Mehrschneidenreibahlen und Senker | Multi-bladed reamers and counterboring tools

Gesamtpreisliste 2022 | Complete price list 2022

BECK
MAPAL GROUP

Gültig ab 01. Januar 2022 | Valid from 1 January 2022

WILLKOMMEN
WELCOME

Gegründet im Jahr 1906 von August Beck, als mechanische Werkstätte für feste Werkzeuge, ist die August BECK Präzisionswerkzeuge GmbH & Co. KG in Winterlingen heute der Spezialist für die Feinbearbeitung von Bohrungen mit Mehrschneidenreibahlen. Senkwerkzeuge komplettieren das Programm.
Mit diesem Portfolio, der langjährigen Erfahrung und dem speziellen Know-how haben wir uns weltweit einen Namen gemacht. BECK steht heute für eine hohe Qualität und Präzision der Produkte.

Für die prozesssichere und wirtschaftliche Fertigung steht unseren Kunden eine breite Auswahl an standardisierten Reib- und Senkwerkzeugen zur Verfügung. Angefangen von genormten Reibahlen nach DIN/ISO aus HSS-E oder Hartmetall, über Hochleistungsreibahlen aus Vollhartmetall oder mit gelöteten Schneiden, bis hin zu einem modernen Wechselkopfsystem, bieten wir eine einzigartige Produktpalette an Standardwerkzeugen. Dadurch ist gewährleistet, dass abhängig vom zu bearbeitenden Werkstoff, der geforderten Toleranz und der geplanten Fertigungsmenge immer die geeigneten Werkzeuge aus unserem vielseitigen Produktprogramm für die anspruchsvollen BECK-Kunden zur Verfügung stehen.

Sämtliche Qualitätsprodukte aus dem Hause BECK sind „Made in Germany“. Wir garantieren für den Großteil unserer Standardprodukte eine Verfügbarkeit ab Lager und selbst Zwischenabmessungen und Sonderpassungen können von unseren Zerspanungsspezialisten in kurzer Zeit geliefert werden.

Darüber hinaus stellt BECK eine Vielzahl von Sonderwerkzeugen her, die besonders bei der Fertigung großer Stückzahlen Vorteile hinsichtlich Wirtschaftlichkeit und Produktivität bieten. Neuentwicklungen ergänzen unser Programm permanent, um den steigenden Anforderungen in der modernen Fertigung gerecht zu werden und Lösungen für die Hochleistungszerspanung und für neue Materialien zu bieten.

Founded in 1906 by August Beck as a mechanical workshop for fixed tools, the August BECK Präzisionswerkzeuge GmbH & Co. KG in Winterlingen is today the specialist for the precision machining of bores with multi-bladed reamers. Countersinking tools complete the range.

With this portfolio, our many years of experience and our special know-how, we have made a name for ourselves worldwide. Today BECK stands for the high quality and the precision of its products.

A broad range of standardised reaming and countersinking tools are available to our customers for reliable and cost-effective production. Starting from standardised reamers in accordance to DIN/ISO made of HSS-E or carbide, through high-performance reamers made of solid carbide or with brazed blades, right up to a modern replaceable head system, we offer a unique range of standard tools.

This ensures that suitable tools, depending on the material to be machined, are always available from our versatile product range for demanding BECK customers to meet the required tolerance and the planned production volume.

All quality products from BECK are "Made in Germany". For majority of our standard products we guarantee availability ex stock and even intermediate sizes and special fits can be supplied in a short time by our machining specialists.

Furthermore, BECK manufactures a wide range of custom tools that offer benefits with respect to cost-effectiveness and productivity, particularly for the production of large quantities. New developments are continuously added to our programme to address the increasing requirements in modern manufacturing and to offer solutions for high-performance machining and for new materials.

INHALT | INDEX

Hinweise
Notes

Produktindex
Product index ____ 06

Bestellinformationen, Gültigkeit
Order information, validity ____ 08

Bohrreibahlen
Drill Reamers

Drill Reamer, 3xD, äußere Kühlmittelzufuhr
Drill Reamer, 3xD, external coolant supply ____ 10

Drill Reamer, 3xD, innere Kühlmittelzufuhr
Drill Reamer, 3xD, internal coolant supply ____ 10

Drill Reamer, 5xD, innere Kühlmittelzufuhr
Drill Reamer, 5xD, internal coolant supply ____ 11

Drill Reamer Pyramid, 5xD, innere Kühlmittelzufuhr
Drill Reamer Pyramid, 5xD, internal coolant supply ____ 12

Drill Reamer, konfigurierbare Baureihen
Drill Reamer, configurable series ____ 13

Hochleistungsreibahlen
High-performance reamers

NEU | Hochleistungsreibahlen HNC-Plus
NEW | High-Performance Reamers HNC-Plus

HNC-Plus PK Vorzugsbaureihe
HNC-Plus PK preferred series ____ 15

HNC-Plus MS Vorzugsbaureihe
HNC-Plus MS preferred series ____ 15

HNC-Plus AL Vorzugsbaureihe
HNC-Plus N preferred series ____ 16

HNC-Plus H Vorzugsbaureihe
HNC-Plus H preferred series ____ 16

HNC-Plus Konfigurierbare Baureihe
HNC-Plus configurable series ____ 16

Hochleistungsreibahlen HNC
High-performance reamers HNC

HNC Vorzugsbaureihen für Durchgangsbohrung
HNC preferred series for through bore ____ 18

HNC konfigurierbare Baureihen für Durchgangsbohrung
HNC configurable series for through bore ____ 22

HNC Vorzugsbaureihen für Grundbohrung
HNC preferred series for blind bore ____ 25

HNC konfigurierbare Baureihen für Grundbohrung
HNC configurable series for blind bore ____ 29

Hochleistungsreibahlen MR
High-performance reamers MR

MR Vorzugsbaureihen für Durchgangsbohrung
MR preferred series for through bore ____ 32

MR konfigurierbare Baureihen für Durchgangsbohrung
MR configurable series for through bore ____ 36

MR Vorzugsbaureihen für Grundbohrung
MR preferred series for blind bore ____ 41

MR konfigurierbare Baureihen für Grundbohrung
MR configurable series for blind bore ____ 45

Hochleistungsreibahlen RR
High-performance reamers RR

RR Vorzugsbaureihen für Durchgangsbohrung
RR preferred series for through bore ____ 50

RR konfigurierbare Baureihen für Durchgangsbohrung
RR configurable series for through bore ____ 51

RR Vorzugsbaureihen für Grundbohrung
RR preferred series for blind bore ____ 52

RR konfigurierbare Baureihen für Grundbohrung
RR configurable series for blind bore ____ 52

Modulares Reiben
Modular reaming

Wechselkopf-Reibahlen XR
Replaceable head reamers XR

XR Vorzugsbaureihen für Durchgangsbohrung
XR preferred series for through bore ____ 53

XR konfigurierbare Baureihen für Durchgangsbohrung
XR configurable series for through bore ____ 56

XR Vorzugsbaureihen für Grundbohrung
XR preferred series for blind bore ____ 60

XR konfigurierbare Baureihen für Grundbohrung
XR configurable series for blind bore ____ 62

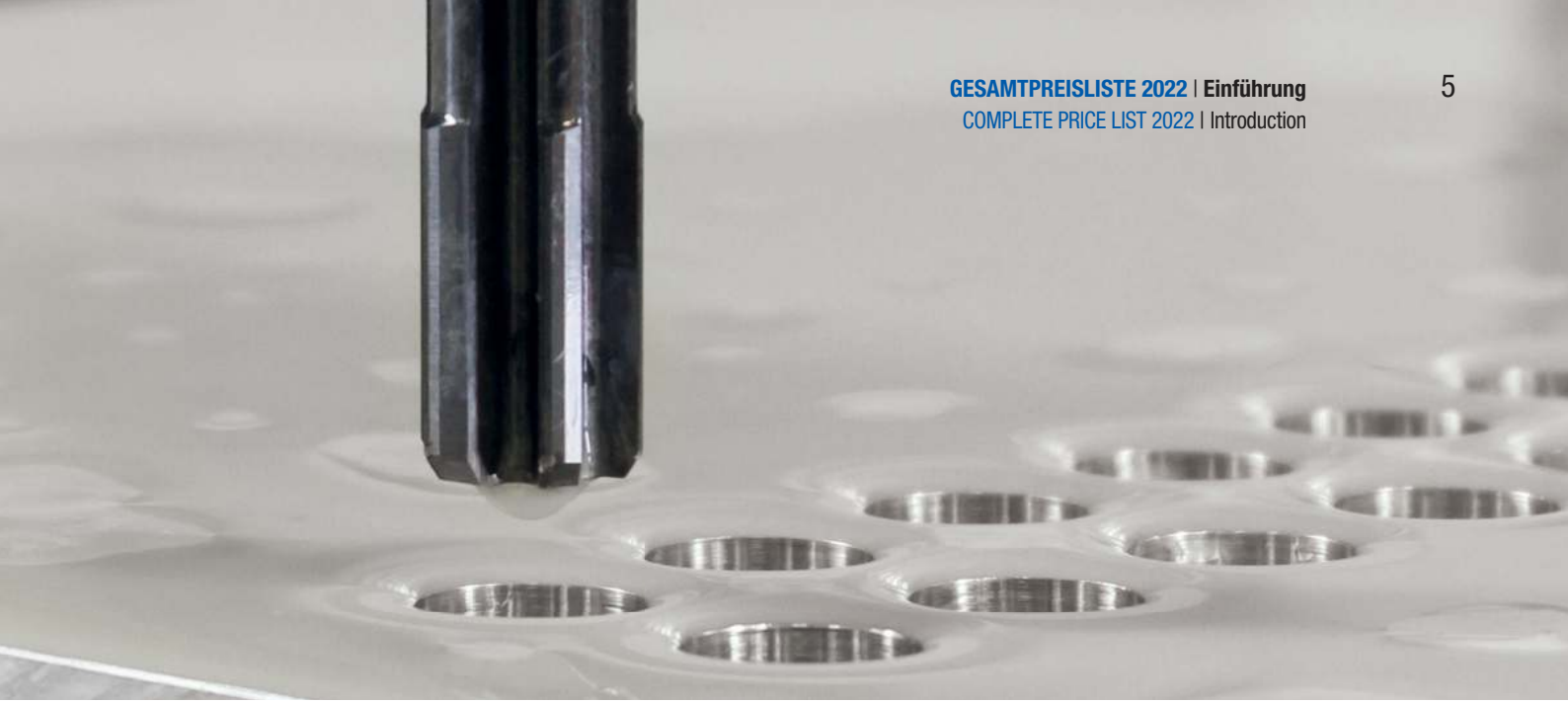
Wechselkopfhalter XR
Replaceable head holders XR ____ 66

Zubehör für Wechselkopfsystem XR
Accessories for replaceable head system XR ____ 66

MultiCut Reibahlen
MultiCut reamers

MultiCut - Schneidringe
MultiCut - cutting rings ____ 67

MultiCut - Halter und Ersatzteile
MultiCut - holders and accessories ____ 70



Aufsteckreibahlen ohne Innenkühlung
Shell reamers without internal cooling

Aufsteckreibahlen nach DIN Vorzugsbaureihen
Shell reamers according to DIN preferred series ____ 76

Aufsteckreibahlen nach DIN konfigurierbare Baureihen
Shell reamers according to DIN configurable series ____ 77

Aufsteckreibahlen - Halter und Ersatzteile
Shell reamers - holders and accessories ____ 78

Reiben ohne Innenkühlung
Reaming without internal cooling

Maschinenreibahlen mit Hartmetallschneiden
Machine reamers with brazed carbide blades

Vorzugsbaureihen
Preferred series ____ 79

Konfigurierbare Baureihen
Configurable series ____ 83

Maschinenreibahlen aus HSS
Machine reamers made of HSS

Vorzugsbaureihen
Preferred series ____ 87

Konfigurierbare Baureihen
Configurable series ____ 102

Manuelles Reiben
Manual reaming

Handreibahlen
Hand reamers

Vorzugsbaureihen
Preferred series ____ 106

Konfigurierbare Baureihen
Configurable series ____ 109

Kegelreibahlen
Taper reamers

Vorzugsbaureihen
Preferred series ____ 111

Senkwerkzeuge
Countersinking tools

Kegelsenker
Countersinking tools

Kegelsenker EUC-Speed 90° und 60°
Countersinks EUC-Speed 90° und 60° ____ 112

Kegelsenker 90°
Countersinks 90° ____ 112

Kegelsenker 60°
Countersinks 60° ____ 114

Flachsenker
Counterboring tools

Flachsenker für Durchgangsbohrung
Counterbores for through bore ____ 115

Flachsenker für Gewindekernloch
Counterbores for thread core bore ____ 115

Flachsenker für auswechselbare Führungszapfen
Counterbores for replaceable pilots ____ 115

Auswechselbare Führungszapfen
Detachable pilots ____ 116

Aufbohrwerkzeuge
Core drills

Core drills
Core drills

Aufbohrer Vorzugsbaureihen
Core drills preferred series ____ 117

Aufbohrer konfigurierbare Baureihen
Core drills configurable series ____ 119

Halter für Aufsteck-Aufbohrer und Ersatzteile
Holders for shell core drills and accessories ____ 120

Übersicht Vorzugsbaureihen und konfigurierbare Baureihen
Overview preferred series and configurable series

Vorzugsbaureihe	Preferred series	
Produkt Code Product code	**Norm/Name** Standard/Name	**Seite** Page
B010010	DIN 206	106
B010011	DIN 206	106
B011010	DIN 859	107
B011011	DIN 859	107
B012011	WN 50	108
B012013	WN 50	108
B012014	WN 50	108
B012015	Set WN 50	108
B012016	Set WN 50	108
B020011	DIN 9	111
B021010	DIN 2179	111
B021011	DIN 2180	111
B024011	DIN 204	111
B030010	DIN 311	87
B030110	DIN 208	87
B030111	DIN 208	87
B030310	DIN 208	88
B030505	DIN 212-3	88
B030507	DIN 212-3	89
B030510	DIN 212-1/2	89
B030511	DIN 212-1/2	90
B030513	DIN 212-1/2	91
B030610	DIN 212-1/2	100
B030716	DIN 8089	101
B030810	WN 141	101
B030811	WN 142	101
B031211	DIN 219	76
B031310	DIN 219	76
B031610	DIN 217	78/120
B031611	DIN 217	78/120
B031612	DIN 217	78/120
B033111	DIN 208	88
B033260	HNC ecoSpeed	21
B033261	HNC ecoSpeed	28
B033511	DIN 212-2	101
B040200	DIN 8093-1	79
B040201	DIN 8093-1	79
B040210	DIN 8093-2	79
B040211	DIN 8093-2	80
B040230	DIN 8090	80
B040240	sDIN 8093	81
B040245	sDIN 8093	81
B040260	HNC	18
B040261	HNC	25
B040311	sDIN 8050	81
B040325	RR 01	50
B040326	RR 01	50
B040327	RR 01	50
B040340	RR 01	52
B040341	RR 01	52
B040356	PcBN	21
B040366	PcBN	28
B040420	DIN 8094	81
B040421	DIN 8094	81
B040422	DIN 8094	81
B040423	DIN 8094	82

Vorzugsbaureihe	Preferred series	
Produkt Code Product code	**Norm/Name** Standard/Name	**Seite** Page
B040511	sDIN 8051	82
B040512	WN 280	82
B040910	DIN 8054	76
B041020	DIN 335	112
B041610	MR 01	32
B041611	MR 01	32
B041612	MR 01	32
B041613	MR 01	33
B041650	MR 01	41
B041651	MR 01	41
B041652	MR 01	41
B041653	MR 01	41
B041710	MR 02	33
B041711	MR 02	33
B041712	MR 02	34
B041713	MR 02	34
B041750	MR 02	42
B041751	MR 02	42
B041752	MR 02	43
B041753	MR 02	43
B041810	MR 03	34
B041811	MR 03	35
B041812	MR 03	35
B041813	MR 03	36
B041850	MR 03	43
B041851	MR 03	44
B041852	MR 03	44
B041853	MR 03	44
B043211	DIN 8093-2	82
B043250	HNC-AL	18
B043251	HNC-AL	25
B043260	HNC-Speed	18
B043261	HNC-Speed	25
B043265	HNC-Short	28
B043270	HNC-VA	19
B043271	HNC-VA	26
B043272	HNC-TI	20
B043273	HNC-TI	27
B043280	HNC-HT	20
B043281	HNC-HT	27
B043290	HNC Diamond	21
B043291	HNC Diamond	28
B043565	HNC-Plus PK	15
B043575	HNC-Plus MS	15
B043555	HNC-Plus AL	16
B043585	HNC-Plus H	16
B044210	EUC-Speed	112
B050010	DIN 344	117
B050011	DIN 344	117
B050110	DIN 343	117
B050111	DIN 343	117
B050310	DIN 222	118
B050311	DIN 222	118
B050610	DIN 334	114
B050810	DIN 335	112
B051010	WN 180	114

Vorzugsbaureihe	Preferred series	
Produkt Code Product code	**Norm/Name** Standard/Name	**Seite** Page
B051011	WN 181	113
B051110	DIN 334	114
B051111	DIN 334	114
B051207	DIN 335	113
B051210	DIN 335	113
B051218	DIN 335	113
B051310	DIN 335	113
B051510	DIN 373	115
B051511	DIN 373	115
B051512	DIN 373	115
B051513	DIN 373	115
B051514	DIN 373	115
B051515	DIN 373	115
B051610	DIN 375	115
B051611	DIN 1868	116
B051710	WN 178	115
B051711	WN 178	115
B053207	DIN 335	113
B053210	DIN 335	113
B053212	DIN 335	114
B053220	DIN 335	114
B053310	DIN 335	114
B053320	DIN 334	114
B053510	DIN 373	115
B053511	DIN 373	115
B054107	EUC-Speed	112
B054110	EUC-Speed	112
B054207	EUC-Speed	112
B054209	EUC-Speed	112
B054210	EUC-Speed	112
B054217	EUC-Speed	112
B054218	EUC-Speed	112
B081605	XR 01	54
B081610	XR 01	55
B081611	XR 01	55
B081612	XR 01	55
B081618	XR 01	55
B081631	XR 06 BSP	53
B081632	XR 06 BVA	53
B081633	XR 06 BTI	53
B081634	XR 06 BAL	54
B081639	XR 06 CVD	54
B081650	XR 01	61
B081651	XR 01	61
B081652	XR 01	61
B081655	XR 01	62
B081659	XR 01	62
B081661	XR 06 BSP	60
B081662	XR 06 BVA	60
B081663	XR 06 BTI	60
B081664	XR 06 BAL	61
B081669	XR 06 CVD	61
B085101	Holder XR	66
B093301	Drill Reamer	10
B093303	Drill Reamer	10
B093305	Drill Reamer	11

Vorzugsbaureihe	Preferred series	
Produkt Code Product code	**Norm/Name** Standard/Name	**Seite** Page
B093505	Drill Reamer Pyramid	12
MN73101	MultiCut	67
MN73102	MultiCut	68
MN73104	MultiCut	69
MN73237	Holder MultiCut	70
MN73238	Holder MultiCut	70
MN75236	Holder MultiCut	70
MN76236	Holder MultiCut	70
MN75247	Holder MultiCut	70
MN73217	Holder MultiCut	70
MN73218	Holder MultiCut	70
MN73227	Holder MultiCut	70
MN73228	Holder MultiCut	70
MN75287	Holder MultiCut	70
MN76286	Holder MultiCut	71
MN75286	Holder MultiCut	71
MN75257	Holder MultiCut	71
MN75267	Holder MultiCut	71
MN75256	Holder MultiCut	72
MN75266	Holder MultiCut	72
MN76256	Holder MultiCut	72
MN76266	Holder MultiCut	72
MN75217	Holder MultiCut	72
MN75227	Holder MultiCut	72
MN76216	Holder MultiCut	73
MN76226	Holder MultiCut	73
MN75216	Holder MultiCut	73
MN75226	Holder MultiCut	73

Konfigurierbare Baureihe	Configurable series	
Produkt Code Product code	**Norm/Name** Standard/Name	**Seite** Page
B010010	DIN 206	109
B010011	DIN 206	109
B011010	DIN 859	110
B011011	DIN 859	110
B030110	DIN 208	10
B030111	DIN 208	102
B030310	DIN 208	103
B030505	DIN 212-3	103
B030510	DIN 212-1/2	103
B030511	DIN 212-1/2	104
B030610	DIN 212-1/2	104
B030716	DIN 8089	104
B030810	WN 141	105
B030811	WN 142	105
B031211	DIN 219	77
B031310	DIN 219	78
B033111	DIN 208	105
B033260	HNC ecoSpeed	24
B033261	HNC ecoSpeed	31
B033511	DIN 212-2	105
B040200	DIN 8093-1	83
B040201	DIN 8093-1	83
B040210	DIN 8093-2	84
B040211	DIN 8093-2	84
B040230	DIN 8090	84
B040245	sDIN 8093	85
B040260	HNC	22
B040261	HNC	29
B040311	sDIN 8050	85
B040325	RR 01	51
B040326	RR 01	51
B040327	RR 01	51
B040340	RR 01	52
B040341	RR 01	52
B040356	PcBN	23
B040366	PcBN	31
B040420	DIN 8094	85
B040421	DIN 8094	85
B040422	DIN 8094	85
B040423	DIN 8094	85
B040511	sDIN 8051	86
B040910	DIN 8054	77
B041610	MR 01	36
B041611	MR 01	36
B041612	MR 01	37
B041613	MR 01	37
B041650	MR 01	45
B041651	MR 01	45
B041652	MR 01	46
B041653	MR 01	46
B041710	MR 02	37
B041711	MR 02	38
B041712	MR 02	38
B041713	MR 02	39
B041750	MR 02	46
B041751	MR 02	47

Konfigurierbare Baureihe	Configurable series	
Produkt Code Product code	**Norm/Name** Standard/Name	**Seite** Page
B041752	MR 02	47
B041753	MR 02	48
B041810	MR 03	39
B041811	MR 03	39
B041812	MR 03	40
B041813	MR 03	40
B041850	MR 03	48
B041851	MR 03	48
B041852	MR 03	49
B041853	MR 03	49
B043211	DIN 8093-2	86
B043250	HNC-AL	22
B043251	HNC-AL	29
B043260	HNC-Speed	22
B043261	HNC-Speed	30
B043265	HNC-Short	31
B043270	HNC-VA	22
B043271	HNC-VA	26
B043272	HNC-TI	23
B043273	HNC-TI	30
B043280	HNC-HT	23
B043281	HNC-HT	30
B043290	HNC Diamond	23
B043291	HNC Diamond	31
B043565	HNC-Plus PK	16
B043575	HNC-Plus MS	17
B043555	HNC-Plus AL	17
B043585	HNC-Plus H	17
B050010	DIN 344	119
B050110	DIN 343	119
B050310	DIN 222	119
B081605	XR 01	57
B081610	XR 01	58
B081611	XR 01	58
B081612	XR 01	59
B081618	XR 01	59
B081631	XR 06 BSP	56
B081632	XR 06 BVA	56
B081633	XR 06 BTI	56
B081634	XR 06 BAL	57
B081639	XR 06 CVD	57
B081650	XR 01	64
B081651	XR 01	64
B081652	XR 01	64
B081655	XR 01	65
B081659	XR 01	65
B081661	XR 06 BSP	62
B081662	XR 06 BVA	62
B081663	XR 06 BTI	63
B081664	XR 06 BAL	63
B081669	XR 06 CVD	63
B093301	Drill Reamer	13
B093303	Drill Reamer	13
B093305	Drill Reamer	14
B093505	Drill Reamer Pyramid	14

Allgemeine Informationen

General information

Preise
Die angegebenen Preise verstehen sich in Euro, pro Stück, zzgl. Mehrwertsteuer, ab Werk, ausschließlich Verpackung.

Gültigkeit
Durch die vorliegende Gesamtpreisliste werden alle bisherigen Preislisten ungültig. Preisänderungen und Irrtümer bleiben vorbehalten.
Änderungen der Lagerhaltigkeit und Zwischenverkauf bleiben vorbehalten. Technische Änderung der Produkte vorbehalten. Änderung des Lieferprogramms vorbehalten. Nachdruck, auch auszugsweise, ohne unsere ausdrückliche Genehmigung nicht gestattet.

Maße
Alle Maßangaben in mm.

Liefer- und Zahlungsbedingungen
Es gelten unsere jeweils aktuellen Liefer- und Zahlungsbedingungen. Diese finden Sie auf unserer Internet-Seite unter www.beck-tools.de.

Rohstoffzuschläge
Der Legierungszuschlag (LZ) auf Werkzeuge aus HSS/HSS-E und der Rohstoffteuerungszuschlag (RTZ) auf Werkzeuge aus Vollhartmetall, Vollcermet sowie Hartmetall-, Cermet- und PKD/PcBN-bestückte Werkeuge ist bereits in die Listenpreise aufgenommen.
Wir behalten uns jedoch vor, unterjährig Preisanpassungen aufgrund der Rohstoffpreisentwicklung vorzunehmen.

Mindermengenzuschlag
Bearbeitungskosten für Kleinstaufträge sind sehr hoch. Deshalb berechnen wir für Aufträge unter einem Bestellwert von Euro 50,00 netto einen Zuschlag von Euro 25,00 für die Abwicklung.

Sonderausführungen
Für Sonderausführungen (besondere Anschnittform, abweichende Längen oder Schaftausführungen, spezielle Beschichtungen, usw.) bitten wir um Ihre Anfrage mit Mengenangabe.

Prüfprotokollkosten auf Anfrage.

Rücksendungen
Gemäß unseren allgemeinen Geschäftsbedingungen kann eine mangelfreie Kaufsache innerhalb von einer Frist von 30 Tagen nach Erhalt retourniert werden, wenn wir die Retoure zuvor schriftlich zugestimmt haben. Ein Anspruch auf Retouren wird hierdurch nicht begründet. Nach Ablauf der Frist ist eine Retoure nicht mehr möglich. In diesem Zusammenhang muss aber im Vorfeld bereits sichergestellt sein, dass die Werkzeuge
1.) nicht im Einsatz waren
2.) originalverpackt und etikettiert bzw. im Originalzustand sind
3.) keine Mängel aufweisen
4.) nicht mit einer kundenspezifischen Beschriftung oder Beschichtung versehen sind (z.B. beschriftet mit Eigenmarke).

Für die Wiedereinlagerung erheben wir eine Aufwandspauschale in Höhe von 20%, mind. Euro 35,--.

Prices
The stated prices are in euros per piece, plus value added tax, ex works, excluding packaging.

Validity
All previous price lists are superseded by this complete price list.
Price changes and errors excepted.
Subject to stock availability and prior sale.
Products subject to technical change.
Product range subject to change.
Reprinting, in whole or in part, is not permitted without our express approval.

Dimensions
All dimensions in mm.

Delivery and payment conditions
Our current terms and conditions of delivery and payment apply. You will find these on our website at www.beck-tools.de.

Raw material surcharges
The alloying surcharge (LZ) on tools made of HSS/HSS-E and the raw material price increase surcharge (RTZ) on tools made of solid carbide, solid cermet as well as carbide, cermet and PCD/CBN-tipped tools are already included the list prices.
However, we reserve the right to alter prices during the year due to changes in raw material prices.

Minimum quantity surcharge
The costs for processing very small orders are very high. For this reason we apply a surcharge of 25.00 Euro for processing orders with an order value of less than 50.00 Euro.

Special designs
For special designs (special lead geometry, different lengths or shank designs, special coatings, etc.) we would ask you to send an enquiry with the quantity required.

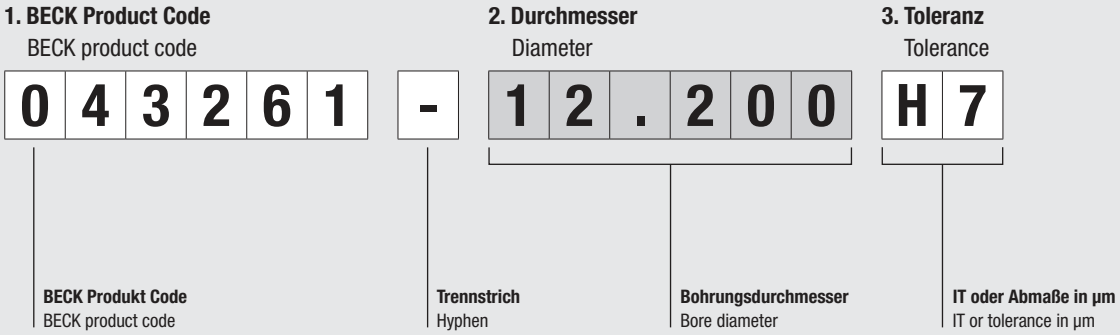
Inspection report costs on request.

Return Shipments
According to our terms of sale any non-defective merchandise can be returned within 30 days from receipt if we previously consented to such return in writing. This does not give rise to a right to return merchandise, and returns are excluded once the above period has lapsed.
In this context should be assured that the tools:
1) have not been used
2) are originally packaged and labelled, i.e. original execution
3) have no defects
4) are not custom labelled or coated (for e.g. labelled with a private brand)

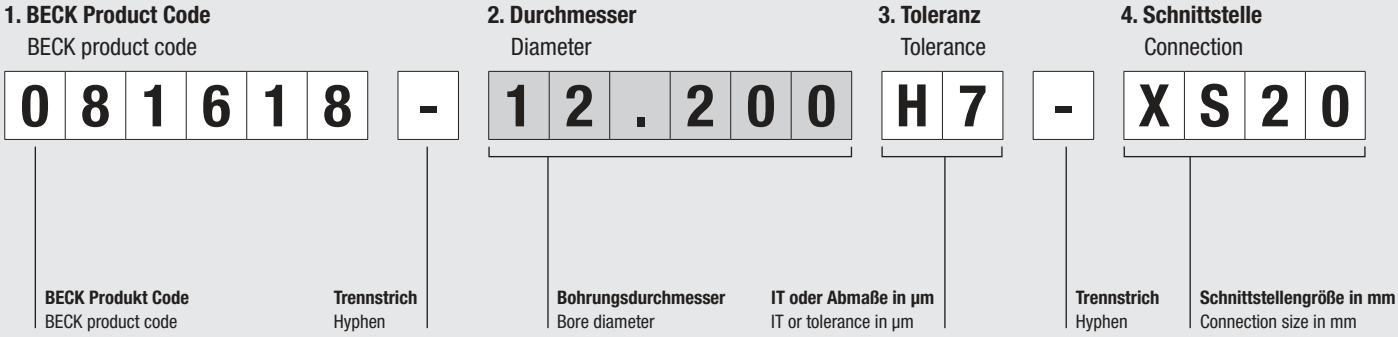
Please note that a 20% expenditure fee, min. Euro 35,--, will be charged for the in-sourcing.

Bestell-Beispiele für konfigurierbare Baureihen
Order examples for configurable series

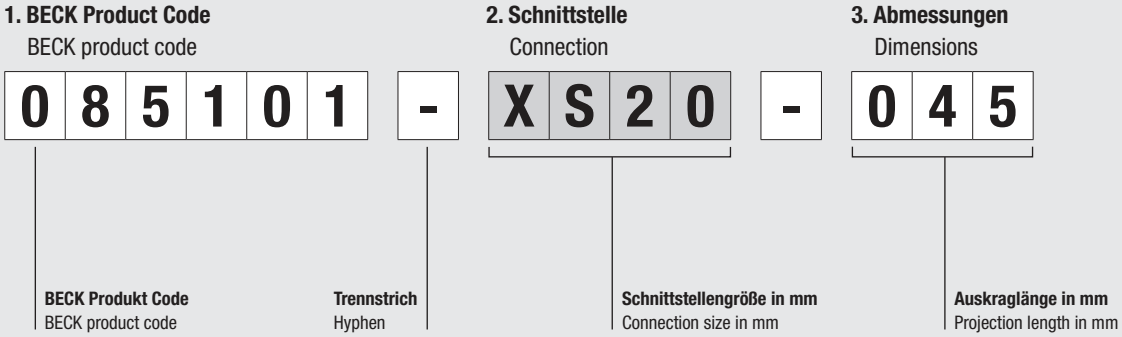
Hochleistungsreibahlen / Reibahlen ohne Innenkühlung / Handreibahlen / Aufbohrer
High-performance reamers / Reamers without internal cooling / Hand reamers / Core drills



Wechselkopfreibahlen XR
Replaceable head reamers XR



Halter für Wechselkopfreibahlen XR
Replaceable head holders



d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €				
					1 Stück 1 piece	**ab 3 Stück** from 1 piece	**ab 5 Stück** from 5 pieces	**ab 10 Stück** from 10 pieces	**ab 20 Stück** from 20 pieces
NEU / Bohrreibahle, Vorzugsbaureihen NEW / Drill Reamers, preferred series									
Drill Reamers I B093301, 3xD, äußere Kühlmittelzufuhr Drill Reamers I B093301, 3xD, external coolant supply									
5,97	±0,003	30179014	MQ	○			157,40	126,00	105,00
5,98	±0,003	30211380	MQ	○			157,40	126,00	105,00
5,99	±0,003	30184711	MQ	●	105,00				
6,00	±0,003	30099666	MQ	●	105,00				
6,01	±0,003	30158303	MQ	○			157,40	126,00	105,00
6,02	±0,003	30219852	MQ	●	105,00				
7,97	±0,003	30218108	MQ	○			157,40	126,00	105,00
7,98	±0,003	30218109	MQ	○			157,40	126,00	105,00
7,99	±0,003	30078182	MQ	○			157,40	126,00	105,00
8,00	±0,003	30175468	MQ	●	105,00				
8,01	±0,003	30209762	MQ	○			157,40	126,00	105,00
8,02	±0,003	30096454	MQ	○			157,40	126,00	105,00
9,97	±0,003	30218110	MQ	○			182,40	145,80	121,60
9,98	±0,003	30174736	MQ	○			182,40	145,80	121,60
9,99	±0,003	30175469	MQ	○			182,40	145,80	121,60
10,00	±0,003	30099665	MQ	●	121,60				
10,01	±0,003	30218111	MQ	○			182,40	145,80	121,60
10,02	±0,003	30218112	MQ	○			182,40	145,80	121,60
11,97	±0,003	30218113	MQ	○		259,80	207,90	173,30	
11,98	±0,003	30151652	MQ	○		259,80	207,90	173,30	
11,99	±0,003	30176856	MQ	○		259,80	207,90	173,30	
12,00	±0,003	30099664	MQ	○		259,80	207,90	173,30	
12,01	±0,003	30214889	MQ	○		259,80	207,90	173,30	
12,02	±0,003	30182014	MQ	○		259,80	207,90	173,30	
Drill Reamers I B093303, 3xD, innere Kühlmittelzufuhr Drill Reamers I B093303, 3xD, internal coolant supply									
4,00	H7	30115438	MQ	●	105,00				
5,00	H7	30095401	MQ	●	105,00				
5,97	±0,003	30120040	MQ	○			157,40	126,00	105,00
5,98	±0,003	30120041	MQ	○			157,40	126,00	105,00
5,99	±0,003	30120042	MQ	○			157,40	126,00	105,00
6,00	±0,003	30119701	MQ	●	105,00				
6,00	H7	30072761	MQ	●	105,00				
6,01	±0,003	30119702	MQ	●	105,00				
6,02	±0,003	30119703	MQ	●	105,00				
6,32	±0,003	30078773	MQ	○			157,40	126,00	105,00
6,33	±0,003	30221632	MQ	○			157,40	126,00	105,00
6,34	±0,003	30221633	MQ	○			157,40	126,00	105,00
6,35	±0,003	30221634	MQ	○			157,40	126,00	105,00
6,36	±0,003	30221635	MQ	○			157,40	126,00	105,00
6,37	±0,003	30221636	MQ	○			157,40	126,00	105,00
7,00	H7	30076509	MQ	●	105,00				
7,97	±0,003	30084334	MQ	○			157,40	126,00	105,00
7,98	±0,003	30119739	MQ	●	105,00				
7,99	±0,003	30093430	MQ	○			157,40	126,00	105,00
8,00	±0,003	30095195	MQ	●	105,00				
8,00	H7	30072737	MQ	●	105,00				
8,01	±0,003	30119740	MQ	●	105,00				
8,02	±0,003	30119741	MQ	●	105,00				
9,00	H7	30076510	MQ	○			182,40	145,80	121,60
9,48	±0,003	30221640	MQ	○			182,40	145,80	121,60
9,49	±0,003	30221638	MQ	○			182,40	145,80	121,60
9,50	±0,003	30119771	MQ	○			182,40	145,80	121,60

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €				
					1 Stück 1 piece	**ab 3 Stück** from 1 piece	**ab 5 Stück** from 5 pieces	**ab 10 Stück** from 10 pieces	**ab 20 Stück** from 20 pieces
9,52	±0,003	30221641	MQ	○			182,40	145,80	121,60
9,53	±0,003	30221642	MQ	○			182,40	145,80	121,60
9,54	±0,003	30221643	MQ	○			182,40	145,80	121,60
9,97	±0,003	30119778	MQ	○			182,40	145,80	121,60
9,98	±0,003	30119779	MQ	○			182,40	145,80	121,60
9,99	±0,003	30119780	MQ	●	121,60				
10,00	±0,003	30119781	MQ	●	121,60				
10,00	H7	30072858	MQ	●	121,60				
10,01	±0,003	30119782	MQ	●	121,60				
10,02	±0,003	30119783	MQ	●	121,60				
11,97	±0,003	30119829	MQ	○		259,80	207,90	173,30	
11,98	±0,003	30119830	MQ	○		259,80	207,90	173,30	
11,99	±0,003	30119831	MQ	○		259,80	207,90	173,30	
12,00	±0,003	30119832	MQ	●	173,30				
12,00	H7	30072857	MQ	●	173,30				
12,01	±0,003	30073018	MQ	○		259,80	207,90	173,30	
12,02	±0,003	30089695	MQ	○		259,80	207,90	173,30	
12,67	±0,003	30221647	MQ	○		343,70	274,90	229,10	
12,68	±0,003	30221646	MQ	○		343,70	274,90	229,10	
12,69	±0,003	30221645	MQ	○		343,70	274,90	229,10	
12,70	±0,003	30119842	MQ	○		343,70	274,90	229,10	
12,71	±0,003	30221650	MQ	○		343,70	274,90	229,10	
12,72	±0,003	30221652	MQ	○		343,70	274,90	229,10	
14,00	H7	30060346	MQ	●	229,10				
16,00	H7	30060347	MQ	●	317,50				

Drill Reamers | B093305, 5xD, innere Kühlmittelzufuhr
Drill Reamers | B093305, 5xD, internal coolant supply

4,00	H7	30134903	MQ	●	125,70				
5,00	H7	30157641	MQ	●	125,70				
5,97	±0,003	30120150	MQ	○			188,50	150,80	125,70
5,98	±0,003	30120151	MQ	○			188,50	150,80	125,70
5,99	±0,003	30089316	MQ	○			188,50	150,80	125,70
6,00	±0,003	30120152	MQ	●	125,70				
6,00	H7	30060348	MQ	●	125,70				
6,01	±0,003	30120153	MQ	●	125,70				
6,02	±0,003	30120154	MQ	●	125,70				
6,32	±0,003	30221676	MQ	○			188,50	150,80	125,70
6,33	±0,003	30221674	MQ	○			188,50	150,80	125,70
6,34	±0,003	30221673	MQ	○			188,50	150,80	125,70
6,35	±0,003	30221672	MQ	○			188,50	150,80	125,70
6,36	±0,003	30221671	MQ	○			188,50	150,80	125,70
6,37	±0,003	30221670	MQ	○			188,50	150,80	125,70
7,00	H7	30076515	MQ	●	125,70				
7,97	±0,003	30120190	MQ	○			188,50	150,80	125,70
7,98	±0,003	30120191	MQ	○			188,50	150,80	125,70
7,99	±0,003	30120192	MQ	○			188,50	150,80	125,70
8,00	±0,003	30099663	MQ	●	125,70				
8,00	H7	30072738	MQ	●	125,70				
8,01	±0,003	30120194	MQ	●	125,70				
8,02	±0,003	30120195	MQ	●	125,70				
9,00	H7	30076516	MQ	○			270,20	216,20	180,20
9,48	±0,003	30221668	MQ	○			270,20	216,20	180,20
9,49	±0,003	30221667	MQ	○			270,20	216,20	180,20
9,50	±0,003	30120223	MQ	○			270,20	216,20	180,20
9,52	±0,003	30221664	MQ	○			270,20	216,20	180,20
9,53	±0,003	30221665	MQ	○			270,20	216,20	180,20
9,54	±0,003	30221666	MQ	○			270,20	216,20	180,20

Dimensions in mm | ● Available from stock in Germany | ○ Available from semi-finished stock at short notice | ➲ On request

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €				
					1 Stück 1 piece	**ab 3 Stück** from 1 piece	**ab 5 Stück** from 5 pieces	**ab 10 Stück** from 10 pieces	**ab 20 Stück** from 20 pieces
9,97	±0,003	30082992	MQ	○			270,20	216,20	180,20
9,98	±0,003	30120231	MQ	○			270,20	216,20	180,20
9,99	±0,003	30089317	MQ	○			270,20	216,20	180,20
10,00	±0,003	30120232	MQ	○			270,20	216,20	180,20
10,00	H7	30072099	MQ	●	180,20				
10,01	±0,003	30120233	MQ	●	180,20				
10,02	±0,003	30120234	MQ	●	180,20				
11,97	±0,003	30120270	MQ	○		383,30	306,50	255,50	
11,98	±0,003	30120271	MQ	○		383,30	306,50	255,50	
11,99	±0,003	30089318	MQ	○		383,30	306,50	255,50	
12,00	±0,003	30120272	MQ	●	255,50				
12,00	H7	30060349	MQ	●	255,50				
12,01	±0,003	30120273	MQ	●	255,50				
12,02	±0,003	30120274	MQ	●	255,50				
12,67	±0,003	30221658	MQ	○		517,50	414,00	345,10	
12,68	±0,003	30221657	MQ	○		517,50	414,00	345,10	
12,69	±0,003	30221656	MQ	○		517,50	414,00	345,10	
12,70	±0,003	30101086	MQ	○		517,50	414,00	345,10	
12,71	±0,003	30221654	MQ	○		517,50	414,00	345,10	
12,72	±0,003	30221655	MQ	○		517,50	414,00	345,10	
14,00	H7	30060350	MQ	●	345,10				
16,00	H7	30060351	MQ	●	430,30				

Drill Reamers Pyramid | B093505, 5xD, innere Kühlmittelzufuhr
Drill Reamers Pyramid | B093505, 5xD, internal coolant supply

4	H7	31178666	MQ	●	125,70				
5	H7	31178667	MQ	●	125,70				
5,97	±0,003	31178564	MQ	○			188,40	150,70	125,70
5,98	±0,003	31178565	MQ	●	125,70				
5,99	±0,003	31178566	MQ	○			188,40	150,70	125,70
6,00	±0,003	31178567	MQ	●	125,70				
6,00	H7	31178668	MQ	●	125,70				
6,01	±0,003	31178568	MQ	●	125,70				
6,02	±0,003	31178569	MQ	●	125,70				
6,32	±0,003	31178630	MQ	○			212,00	169,50	141,30
6,33	±0,003	31178631	MQ	○			212,00	169,50	141,30
6,34	±0,003	31178632	MQ	○			212,00	169,50	141,30
6,35	±0,003	31178633	MQ	○			212,00	169,50	141,30
6,36	±0,003	31178634	MQ	○			212,00	169,50	141,30
6,37	±0,003	31178635	MQ	○			212,00	169,50	141,30
7,00	H7	31178669	MQ	●	141,30				
7,97	±0,003	31178636	MQ	○			212,00	169,50	141,30
7,98	±0,003	31178637	MQ	●	141,30				
7,99	±0,003	31178638	MQ	○			212,00	169,50	141,30
8,00	±0,003	31178639	MQ	●	141,30				
8,00	H7	31178670	MQ	●	141,30				
8,01	±0,003	31178640	MQ	●	141,30				
8,02	±0,003	31178641	MQ	●	141,30				
9,00	H7	31178671	MQ	●	141,30				
9,48	±0,003	31178642	MQ	○			307,90	246,30	205,20
9,49	±0,003	31178643	MQ	○			307,90	246,30	205,20
9,50	±0,003	31178644	MQ	○			307,90	246,30	205,20
9,52	±0,003	31178645	MQ	○			307,90	246,30	205,20
9,53	±0,003	31178646	MQ	○			307,90	246,30	205,20
9,54	±0,003	31178647	MQ	●	205,20				
9,97	±0,003	31178648	MQ	○			307,90	246,30	205,20
9,98	±0,003	31178649	MQ	○			307,90	246,30	205,20
9,99	±0,003	31178650	MQ	○			307,90	246,30	205,20

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €				
					1 Stück 1 piece	**ab 3 Stück** from 1 piece	**ab 5 Stück** from 5 pieces	**ab 10 Stück** from 10 pieces	**ab 20 Stück** from 20 pieces
10,00	±0,003	31178651	MQ	●	205,20				
10,00	H7	31178672	MQ	●	205,20				
10,01	±0,003	31178652	MQ	●	205,20				
10,02	±0,003	31178653	MQ	●	205,20				
11,97	±0,003	31178654	MQ	○		383,40	306,60	255,50	
11,98	±0,003	31178655	MQ	●	255,50				
11,99	±0,003	31178656	MQ	●	255,50				
12,00	±0,003	31178657	MQ	●	255,50				
12,00	H7	31178673	MQ	●	255,50				
12,01	±0,003	31178658	MQ	●	255,50				
12,02	±0,003	31178659	MQ	●	255,50				
12,67	±0,003	31178660	MQ	○		517,60	414,10	345,10	
12,68	±0,003	31178661	MQ	○		517,60	414,10	345,10	
12,69	±0,003	31178662	MQ	○		517,60	414,10	345,10	
12,70	±0,003	31178663	MQ	●	345,10				
12,71	±0,003	31178664	MQ	○		517,60	414,10	345,10	
12,72	±0,003	31178665	MQ	○		517,60	414,10	345,10	
14,00	H7	31178674	MQ	●	345,10				
16,00	H7	31178675	MQ	●	430,30				

Bohrreibahle, konfigurierbare Baureihen
Drill Reamers, configurable series

Drill Reamers | B093301, 3xD, äußere Kühlmittelzufuhr
Drill Reamers | B093301, 3xD, external coolant supply

3,970 - 4,800			MQ	○			157,40	126,00	105,00
4,801 - 5,960			MQ	○			157,40	126,00	105,00
5,961 - 6,050			MQ	○			157,40	126,00	105,00
6,051 - 8,050			MQ	○			157,40	126,00	105,00
8,051 - 10,050			MQ	○			182,40	145,80	121,60
10,051 - 12,050			MQ	○		259,80	207,90	173,30	
12,051 - 14,050			MQ	○		343,60	274,90	229,10	
14,051 - 16,050			MQ	○		476,30	381,10	317,50	

Drill Reamers | B093303, 3xD, innere Kühlmittelzufuhr
Drill Reamers | B093303, 3xD, internal coolant supply

3,970 - 4,800			MQ	○			157,40	126,00	105,00
4,801 - 5,960			MQ	○			157,40	126,00	105,00
5,961 - 6,050			MQ	○			157,40	126,00	105,00
6,051 - 6,999			MQ	○			157,40	126,00	105,00
7,000 - 8,050			MQ	○			157,40	126,00	105,00
8,051 - 9,449			MQ	○			182,40	145,80	121,60
9,450 -10,050			MQ	○			182,40	145,80	121,60
10,051 - 12,050			MQ	○		259,80	207,90	173,30	
12,051 - 14,050			MQ	○		343,70	274,90	229,10	
14,051 - 16,050			MQ	○		476,30	381,10	317,50	

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €				
					1 Stück 1 piece	**ab 3 Stück** from 1 piece	**ab 5 Stück** from 5 pieces	**ab 10 Stück** from 10 pieces	**ab 20 Stück** from 20 pieces
Drill Reamers I B093305, 5xD, innere Kühlmittelzufuhr Drill Reamers I B093305, 5xD, internal coolant supply									
3,970 - 4,800			MQ	○			188,40	150,80	125,70
4,801 - 5,960			MQ	○			188,40	150,80	125,70
5,961 - 6,050			MQ	○			188,40	150,80	125,70
6,051 - 6,999			MQ	○			188,40	150,80	125,70
7,000 - 8,050			MQ	○			188,40	150,80	125,70
8,051 - 9,449			MQ	○			270,20	216,20	180,20
9,450 - 10,050			MQ	○			270,20	216,20	180,20
10,051 - 12,050			MQ	○		383,30	306,60	255,50	
12,051 - 14,050			MQ	○		517,50	414,10	345,10	
14,051 - 16,050			MQ	○		645,30	516,30	430,30	
Drill Reamers Pyramid I B093505, 5xD, innere Kühlmittelzufuhr Drill Reamers Pyramid I B093505, 5xD, internal coolant supply									
3,970 - 4,800			MQ	○			188,40	150,70	125,70
4,801 - 5,960			MQ	○			188,40	150,70	125,70
5,961 - 6,050			MQ	○			188,40	150,70	125,70
6,051 - 6,999			MQ	○			212,00	169,50	141,30
7,000 - 8,050			MQ	○			212,00	169,50	141,30
8,051 - 9,449			MQ	○			270,20	216,20	180,20
9,450 - 10,050			MQ	○			307,90	246,30	205,20
10,051 - 12,050			MQ	○		383,40	306,60	255,50	
12,051 - 14,050			MQ	○		517,60	414,10	345,10	
14,051 - 16,050			MQ	○		645,30	516,20	430,30	

NEU / Hochleistungsreibahlen HNC-Plus, Vorzugsbaureihen mit Zylinderschaft
NEW / High performance reamers HNC-Plus, preferred series with cylindrical shank

HNC-Plus PK | B043565, für Durchgangs- und Grundbohrung, innere Kühlmittelzufuhr
HNC-Plus PK | B043565, for through bore and blind bore, internal coolant supply

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,97	0,005	31174797	XN	●	104,90
3,98	0,005	31174798	XN	●	104,90
3,99	0,005	31174799	XN	●	104,90
4,00	H7	31142699	XN	●	96,20
4,01	0,005	31174800	XN	●	104,90
4,02	0,005	31174801	XN	●	104,90
4,03	0,005	31174802	XN	●	104,90
4,50	H7	31142760	XN	○	129,40
4,97	0,005	31174803	XN	●	107,70
4,98	0,005	31174804	XN	●	107,70
4,99	0,005	31174805	XN	●	107,70
5,00	H7	31142761	XN	●	99,10
5,01	0,005	31174806	XN	●	107,70
5,02	0,005	31174807	XN	●	107,70
5,03	0,005	31174808	XN	●	107,70
5,50	H7	31142762	XN	○	139,60
5,97	0,005	31174809	XN	●	121,90
5,98	0,005	31174810	XN	●	121,90
5,99	0,005	31174811	XN	●	121,90
6,00	H7	31142763	XN	●	112,50
6,01	0,005	31174812	XN	●	121,90
6,02	0,005	31174813	XN	●	121,90
6,03	0,005	31174814	XN	●	121,90
6,50	H7	31142764	XN	○	142,80
7,00	H7	31142765	XN	●	117,00
7,50	H7	31142766	XN	○	151,60
7,97	0,005	31174815	XN	●	132,50
7,98	0,005	31174816	XN	●	132,50
7,99	0,005	31174817	XN	●	132,50
8,00	H7	31142767	XN	●	122,70
8,01	0,005	31174818	XN	●	132,50
8,02	0,005	31174819	XN	●	132,50
8,03	0,005	31174820	XN	●	132,50
8,50	H7	31142768	XN	○	173,10
9,00	H7	31142769	XN	●	139,90
9,50	H7	31142770	XN	○	197,20
9,97	0,005	31174821	XN	●	174,00
9,98	0,005	31174822	XN	●	174,00
9,99	0,005	31174823	XN	●	174,00
10,00	H7	31142771	XN	●	162,50
10,01	0,005	31174824	XN	●	174,00
10,02	0,005	31174825	XN	●	174,00
10,03	0,005	31174826	XN	●	174,00
10,50	H7	31142772	XN	○	238,60
11,00	H7	31142773	XN	●	194,10
11,50	H7	31142774	XN	○	249,40
11,97	0,005	31174827	XN	●	217,90
11,98	0,005	31174828	XN	●	217,90
11,99	0,005	31174829	XN	●	217,90
12,00	H7	31142775	XN	●	205,90
12,01	0,005	31174830	XN	●	217,90
12,02	0,005	31174831	XN	●	217,90
12,03	0,005	31174832	XN	●	217,90
13,00	H7	31142776	XN	●	233,70
14,00	H7	31142777	XN	●	249,20
15,00	H7	31142778	XN	●	254,80
16,00	H7	31142779	XN	●	273,00
17,00	H7	31142780	XN	●	291,90
18,00	H7	31142781	XN	●	311,40
19,00	H7	31142782	XN	●	334,30
20,00	H7	31142783	XN	●	356,00

HNC-Plus MS | B043575, für Durchgangs- und Grundbohrung, innere Kühlmittelzufuhr
HNC-Plus MS | B043575, for through bore and blind bore, internal coolant supply

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,97	0,005	31174833	XN	○	125,70
3,98	0,005	31174834	XN	○	125,70
3,99	0,005	31174835	XN	○	125,70
4,00	H7	31142815	XN	○	125,70
4,01	0,005	31174836	XN	○	125,70
4,02	0,005	31174837	XN	○	125,70
4,03	0,005	31174838	XN	○	125,70
4,50	H7	31142816	XN	○	129,40
4,97	0,005	31174839	XN	○	129,40
4,98	0,005	31174840	XN	○	129,40
4,99	0,005	31174841	XN	○	129,40
5,00	H7	31142817	XN	○	129,40
5,01	0,005	31174842	XN	○	129,40
5,02	0,005	31174843	XN	○	129,40
5,03	0,005	31174844	XN	○	129,40
5,50	H7	31142818	XN	○	139,60
5,97	0,005	31174845	XN	○	139,60
5,98	0,005	31174846	XN	○	139,60
5,99	0,005	31174847	XN	○	139,60
6,00	H7	31142819	XN	○	139,60
6,01	0,005	31174848	XN	○	139,60
6,02	0,005	31174849	XN	○	139,60
6,03	0,005	31174850	XN	○	139,60
6,50	H7	31142820	XN	○	142,80
7,00	H7	31142821	XN	○	142,80
7,50	H7	31142822	XN	○	151,60
7,97	0,005	31174851	XN	○	151,60
7,98	0,005	31174852	XN	○	151,60
7,99	0,005	31174853	XN	○	151,60
8,00	H7	31142823	XN	○	151,60
8,01	0,005	31174854	XN	○	151,60
8,02	0,005	31174855	XN	○	151,60
8,03	0,005	31174856	XN	○	151,60
8,50	H7	31142824	XN	○	173,10
9,00	H7	31142825	XN	○	173,10
9,50	H7	31142826	XN	○	197,20
9,97	0,005	31174857	XN	○	197,20
9,98	0,005	31174858	XN	○	197,20
9,99	0,005	31174859	XN	○	197,20
10,00	H7	31142827	XN	○	197,20
10,01	0,005	31174860	XN	○	197,20
10,02	0,005	31174861	XN	○	197,20
10,03	0,005	31174862	XN	○	197,20
10,50	H7	31142828	XN	○	238,60
11,00	H7	31142829	XN	○	238,60
11,50	H7	31142830	XN	○	249,40
11,97	0,005	31174863	XN	○	251,70

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
11,98	0,005	31174864	XN	○	251,70
11,99	0,005	31174865	XN	○	251,70
12,00	H7	31142831	XN	○	251,70
12,01	0,005	31174866	XN	○	251,70
12,02	0,005	31174867	XN	○	251,70
12,03	0,005	31174868	XN	○	251,70
13,00	H7	31142832	XN	○	282,60
14,00	H7	31142833	XN	○	294,50
15,00	H7	31142834	XN	○	298,50
16,00	H7	31142835	XN	○	303,40
17,00	H7	31142836	XN	○	323,80
18,00	H7	31142837	XN	○	345,10
19,00	H7	31142838	XN	○	370,30
20,00	H7	31142839	XN	○	377,90

HNC-Plus AL I B043555, für Durchgangs- und Grundbohrung, innere Kühlmittelzufuhr
HNC-Plus N I B043555, for through bore and blind bore, internal coolant supply

4,00	H7	31142787	XN	○	140,70
4,50	H7	31142788	XN	○	139,50
5,00	H7	31142789	XN	○	143,20
5,50	H7	31142790	XN	○	150,00
6,00	H7	31142791	XN	○	154,10
6,50	H7	31142792	XN	○	163,80
7,00	H7	31142793	XN	○	166,70
7,50	H7	31142794	XN	○	172,70
8,00	H7	31142795	XN	○	177,50
8,50	H7	31142796	XN	○	206,50
9,00	H7	31142797	XN	○	206,50
9,50	H7	31142798	XN	○	243,20
10,00	H7	31142799	XN	○	230,40
10,50	H7	31142800	XN	○	231,20
11,00	H7	31142801	XN	○	242,90
11,50	H7	31142802	XN	○	266,70
12,00	H7	31142803	XN	○	256,90
13,00	H7	31142804	XN	○	301,00
14,00	H7	31142805	XN	○	322,80
15,00	H7	31142806	XN	○	351,70
16,00	H7	31142807	XN	○	371,30
17,00	H7	31142808	XN	○	419,60
18,00	H7	31142809	XN	○	417,90
19,00	H7	31142810	XN	○	476,10
20,00	H7	31142811	XN	○	483,00

HNC-Plus H I B043585, für Durchgangs- und Grundbohrung, innere Kühlmittelzufuhr
HNC-Plus H I B043585, for through bore and blind bore, internal coolant supply

4,00	H7	31142871	XN	○	125,70
4,50	H7	31142872	XN	○	129,40
5,00	H7	31142873	XN	○	129,40
5,50	H7	31142874	XN	○	139,60
6,00	H7	31142875	XN	○	139,60
6,50	H7	31142876	XN	○	142,80
7,00	H7	31142877	XN	○	142,80
7,50	H7	31142878	XN	○	151,60
8,00	H7	31142879	XN	○	151,60
8,50	H7	31142880	XN	○	173,10
9,00	H7	31142881	XN	○	173,10
9,50	H7	31142882	XN	○	197,20
10,00	H7	31142883	XN	○	197,20

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
10,50	H7	31142884	XN	○	238,60
11,00	H7	31142885	XN	○	238,60
11,50	H7	31142886	XN	○	249,40
12,00	H7	31142887	XN	○	251,70
13,00	H7	31142888	XN	○	282,60
14,00	H7	31142889	XN	○	294,50
15,00	H7	31142890	XN	○	298,50
16,00	H7	31142891	XN	○	303,40
17,00	H7	31142892	XN	○	323,80
18,00	H7	31142893	XN	○	345,10
19,00	H7	31142894	XN	○	370,30
20,00	H7	31142895	XN	○	377,90

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €

NEU / Hochleistungsreibahlen HNC-Plus, konfigurierbare Baureihen mit Zylinderschaft
NEW / High performance reamers HNC-Plus, cofigurable series with cylindrical shank

HNC-Plus PK I B043565, für Durchgangs- und Grundbohrung, innere Kühlmittelzufuhr
HNC-Plus PK I B043565, for through bore and blind bore, internal coolant supply

3,701 - 4,200	XN	○	125,70
4,201 - 4,700	XN	○	129,40
4,701 - 5,200	XN	○	129,40
5,201 - 5,700	XN	○	139,60
5,701 - 6,200	XN	○	139,60
6,201 - 6,700	XN	○	142,80
6,701 - 7,200	XN	○	142,80
7,201 - 7,700	XN	○	151,60
7,701 - 8,200	XN	○	151,60
8,201 - 8,700	XN	○	173,10
8,701 - 9,200	XN	○	173,10
9,201 - 9,700	XN	○	197,20
9,701 - 10,200	XN	○	197,20
10,201 - 10,700	XN	○	238,60
10,701 - 11,200	XN	○	238,60
11,201 - 11,700	XN	○	249,40
11,701 - 12,200	XN	○	251,70
12,201 - 13,200	XN	○	282,60
13,201 - 14,200	XN	○	294,50
14,201 - 15,200	XN	○	298,50
15,201 - 16,200	XN	○	303,40
16,201 - 17,200	XN	○	323,80
17,201 - 18,200	XN	○	345,10
18,201 - 19,200	XN	○	370,30
19,201 - 20,200	XN	○	377,90

HNC-Plus MS I B043575, für Durchgangs- und Grundbohrung, innere Kühlmittelzufuhr
HNC-Plus MS I B043575, for through bore and blind bore, internal coolant supply

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
3,701 - 4,200	XN	○	125,70
4,201 - 4,700	XN	○	129,40
4,701 - 5,200	XN	○	129,40
5,201 - 5,700	XN	○	139,60
5,701 - 6,200	XN	○	139,60
6,201 - 6,700	XN	○	142,80
6,701 - 7,200	XN	○	142,80
7,201 - 7,700	XN	○	151,60
7,701 - 8,200	XN	○	151,60
8,201 - 8,700	XN	○	173,10
8,701 - 9,200	XN	○	173,10
9,201 - 9,700	XN	○	197,20
9,701 - 10,200	XN	○	197,20
10,201 - 10,700	XN	○	238,60
10,701 - 11,200	XN	○	238,60
11,201 - 11,700	XN	○	249,40
11,701 - 12,200	XN	○	251,70
12,201 - 13,200	XN	○	282,60
13,201 - 14,200	XN	○	294,50
14,201 - 15,200	XN	○	298,50
15,201 - 16,200	XN	○	303,40
16,201 - 17,200	XN	○	323,80
17,201 - 18,200	XN	○	345,10
18,201 - 19,200	XN	○	370,30
19,201 - 20,200	XN	○	377,90

HNC-Plus AL I B043555, für Durchgangs- und Grundbohrung, innere Kühlmittelzufuhr
HNC-Plus N I B043555, for through bore and blind bore, internal coolant supply

3,701 - 4,200	XN	○	140,70
4,201 - 4,700	XN	○	139,50
4,701 - 5,200	XN	○	143,20
5,201 - 5,700	XN	○	150,00
5,701 - 6,200	XN	○	154,10
6,201 - 6,700	XN	○	163,80
6,701 - 7,200	XN	○	166,70
7,201 - 7,700	XN	○	172,70
7,701 - 8,200	XN	○	177,50
8,201 - 8,700	XN	○	206,50
8,701 - 9,200	XN	○	206,50
9,201 - 9,700	XN	○	243,20
9,701 - 10,200	XN	○	230,40
10,201 - 10,700	XN	○	231,20
10,701 - 11,200	XN	○	242,90
11,201 - 11,700	XN	○	266,70
11,701 - 12,200	XN	○	256,90
12,201 - 13,200	XN	○	301,00
13,201 - 14,200	XN	○	322,80
14,201 - 15,200	XN	○	351,70
15,201 - 16,200	XN	○	371,30
16,201 - 17,200	XN	○	419,60
17,201 - 18,200	XN	○	417,90
18,201 - 19,200	XN	○	476,10
19,201 - 20,200	XN	○	483,00

HNC-Plus H I B043585, für Durchgangs- und Grundbohrung, innere Kühlmittelzufuhr
HNC-Plus H I B043585, for through bore and blind bore, internal coolant supply

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
3,701 - 4,200	XN	○	125,70
4,201 - 4,700	XN	○	129,40
4,701 - 5,200	XN	○	129,40
5,201 - 5,700	XN	○	139,60
5,701 - 6,200	XN	○	139,60
6,201 - 6,700	XN	○	142,80
6,701 - 7,200	XN	○	142,80
7,201 - 7,700	XN	○	151,60
7,701 - 8,200	XN	○	151,60
8,201 - 8,700	XN	○	173,10
8,701 - 9,200	XN	○	173,10
9,201 - 9,700	XN	○	197,20
9,701 - 10,200	XN	○	197,20
10,201 - 10,700	XN	○	238,60
10,701 - 11,200	XN	○	238,60
11,201 - 11,700	XN	○	249,40
11,701 - 12,200	XN	○	251,70
12,201 - 13,200	XN	○	282,60
13,201 - 14,200	XN	○	294,50
14,201 - 15,200	XN	○	298,50
15,201 - 16,200	XN	○	303,40
16,201 - 17,200	XN	○	323,80
17,201 - 18,200	XN	○	345,10
18,201 - 19,200	XN	○	370,30
19,201 - 20,200	XN	○	377,90

Hochleistungsreibahlen HNC, Vorzugsbaureihen mit Zylinderschaft
High performance reamers HNC, preferred series with cylindrical shank

HNC I B040260, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC I B040260, for through bore, internal coolant supply

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,00	H7	30402429	XN	○	117,70
3,20	H7	30402431	XN	○	117,70
3,50	H7	30402433	XN	○	117,70
3,97	0,004	30131192	XN	●	107,90
3,98	0,004	30131194	XN	●	107,90
3,99	0,004	30131196	XN	●	107,90
4,00	H7	30131198	XN	●	100,30
4,01	0,004	30131200	XN	●	107,90
4,02	0,004	30131202	XN	●	107,90
4,03	0,004	30131204	XN	●	107,90
4,50	H7	30131206	XN	●	112,40
4,97	0,004	30131208	XN	●	112,40
4,98	0,004	30131210	XN	●	112,40
4,99	0,004	30131212	XN	●	112,40
5,00	H7	30131214	XN	●	103,30
5,01	0,004	30131216	XN	●	112,40
5,02	0,004	30131218	XN	●	112,40
5,03	0,004	30131220	XN	●	112,40
5,50	H7	30131222	XN	●	115,70
5,97	0,004	30131224	XN	●	115,70
5,98	0,004	30131226	XN	●	115,70
5,99	0,004	30131228	XN	●	115,70
6,00	H7	30131230	XN	●	106,40
6,01	0,004	30131232	XN	●	115,70
6,02	0,004	30131234	XN	●	115,70
6,03	0,004	30131236	XN	●	115,70
6,50	H7	30131238	XN	●	111,10
7,00	H7	30131240	XN	●	115,70
7,50	H7	30131242	XN	●	121,60
7,97	0,004	30131244	XN	●	121,60
7,98	0,004	30131246	XN	●	121,60
7,99	0,004	30131248	XN	●	121,60
8,00	H7	30131250	XN	●	112,40
8,01	0,004	30131252	XN	●	121,60
8,02	0,004	30131254	XN	●	121,60
8,03	0,004	30131256	XN	●	121,60
8,50	H7	30131258	XN	●	138,70
9,00	H7	30131260	XN	●	131,10
9,50	H7	30131262	XN	●	138,70
9,97	0,004	30131264	XN	●	138,70
9,98	0,004	30131266	XN	●	138,70
9,99	0,004	30131268	XN	●	138,70
10,00	H7	30131270	XN	●	161,80
10,01	0,004	30131272	XN	●	169,50
10,02	0,004	30131274	XN	●	169,50
10,03	0,004	30131276	XN	●	169,50
10,50	H7	30131278	XN	●	209,60
11,00	H7	30131280	XN	●	209,60
11,50	H7	30131282	XN	●	209,60
11,97	0,004	30131284	XN	●	226,50
11,98	0,004	30131286	XN	●	226,50
11,99	0,004	30131288	XN	●	226,50
12,00	H7	30131290	XN	●	215,70
12,01	0,004	30131292	XN	●	226,50
12,02	0,004	30131294	XN	●	226,50
12,03	0,004	30131296	XN	●	226,50
13,00	H7	30131298	XN	●	231,00
14,00	H7	30131300	XN	●	238,90
15,00	H7	30131302	XN	●	238,90
16,00	H7	30131304	XN	●	246,40
17,00	H7	30131306	XN	●	246,40
18,00	H7	30131308	XN	●	284,80
19,00	H7	30131310	XN	●	284,80
20,00	H7	30131312	XN	●	305,00

HNC-AL I B043250, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC-AL I B043250, for through bore, internal coolant supply

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
4,00	H7	30384144	XN	○	156,30
4,50	H7	30384145	XN	○	156,80
5,00	H7	30385390	XN	○	160,90
5,50	H7	30385391	XN	○	161,30
6,00	H7	30385392	XN	○	165,70
6,50	H7	30385393	XN	○	172,40
7,00	H7	30385394	XN	○	175,50
7,50	H7	30385396	XN	○	180,00
8,00	H7	30385397	XN	○	184,90
8,50	H7	30385398	XN	○	215,10
9,00	H7	30385401	XN	○	215,10
9,50	H7	30385403	XN	○	226,90
10,00	H7	30385405	XN	○	242,50
10,50	H7	30385407	XN	○	256,90
11,00	H7	30385408	XN	○	269,90
11,50	H7	30385409	XN	○	283,70
12,00	H7	30385410	XN	○	298,70
13,00	H7	30385411	XN	○	313,50
14,00	H7	30385413	XN	○	332,80
15,00	H7	30385415	XN	○	358,80
16,00	H7	30385416	XN	○	382,70
17,00	H7	30385418	XN	○	407,40
18,00	H7	30385421	XN	○	439,90
19,00	H7	30385423	XN	○	470,10
20,00	H7	30385425	XN	○	497,90

HNC-Speed I B043260, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC-Speed I B043260, for through bore, internal coolant supply

3,00	H7	30402444	XN	○	139,60
3,20	H7	30402446	XN	○	139,60
3,50	H7	30402448	XN	○	139,60
3,97	0,004	30131436	XN	●	129,40
3,98	0,004	30131438	XN	●	129,40
3,99	0,004	30131440	XN	●	129,40
4,00	H7	30131442	XN	●	120,00
4,01	0,004	30131444	XN	●	129,40
4,02	0,004	30131446	XN	●	129,40
4,03	0,004	30131448	XN	●	129,40
4,50	H7	30131450	XN	●	135,00
4,97	0,004	30131452	XN	●	135,00
4,98	0,004	30131454	XN	●	135,00
4,99	0,004	30131456	XN	●	135,00
5,00	H7	30131458	XN	●	123,90
5,01	0,004	30131460	XN	●	135,00
5,02	0,004	30131462	XN	●	135,00

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
5,03	0,004	30131464	XN	●	135,00
5,50	H7	30131466	XN	●	138,70
5,97	0,004	30131468	XN	●	138,70
5,98	0,004	30131470	XN	●	138,70
5,99	0,004	30131472	XN	●	138,70
6,00	H7	30131474	XN	●	127,40
6,01	0,004	30131476	XN	●	138,70
6,02	0,004	30131478	XN	●	138,70
6,03	0,004	30131480	XN	●	138,70
6,50	H7	30131482	XN	●	133,10
7,00	H7	30131484	XN	●	138,70
7,50	H7	30131486	XN	●	146,10
7,97	0,004	30131488	XN	●	146,10
7,98	0,004	30131490	XN	●	146,10
7,99	0,004	30131492	XN	●	146,10
8,00	H7	30131494	XN	●	135,00
8,01	0,004	30131496	XN	●	146,10
8,02	0,004	30131498	XN	●	146,10
8,03	0,004	30131500	XN	●	146,10
8,50	H7	30131502	XN	●	166,30
9,00	H7	30131504	XN	●	157,10
9,50	H7	30131506	XN	●	166,30
9,97	0,004	30131508	XN	●	166,30
9,98	0,004	30131510	XN	●	166,30
9,99	0,004	30131512	XN	●	166,30
10,00	H7	30131514	XN	●	194,20
10,01	0,004	30131516	XN	●	203,30
10,02	0,004	30131518	XN	●	203,30
10,03	0,004	30131520	XN	●	203,30
10,50	H7	30131522	XN	●	251,40
11,00	H7	30131524	XN	●	251,40
11,50	H7	30131526	XN	●	251,40
11,97	0,004	30131528	XN	●	271,70
11,98	0,004	30131530	XN	●	271,70
11,99	0,004	30131532	XN	●	271,70
12,00	H7	30131534	XN	●	259,00
12,01	0,004	30131536	XN	●	271,70
12,02	0,004	30131538	XN	●	271,70
12,03	0,004	30131540	XN	●	271,70
13,00	H7	30131542	XN	●	277,40
14,00	H7	30131544	XN	●	286,60
15,00	H7	30131546	XN	●	286,60
16,00	H7	30131548	XN	●	295,70
17,00	H7	30131550	XN	●	295,70
18,00	H7	30131552	XN	●	342,00
19,00	H7	30131554	XN	●	342,00
20,00	H7	30131556	XN	●	366,00

HNC-VA I B043270, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC-VA I B043270, for through bore, internal coolant supply

3,97	0,004	30195076	XN	○	139,60
3,98	0,004	30195079	XN	○	139,60
3,99	0,004	30195080	XN	○	139,60
4,00	H7	30195082	XN	○	139,60
4,01	0,004	30195083	XN	○	139,60
4,02	0,004	30195085	XN	○	139,60
4,03	0,004	30195086	XN	○	139,60
4,50	H7	30195087	XN	○	145,70

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
4,97	0,004	30195089	XN	○	145,70
4,98	0,004	30195090	XN	○	145,70
4,99	0,004	30195092	XN	○	145,70
5,00	H7	30195094	XN	○	145,70
5,01	0,004	30195095	XN	○	145,70
5,02	0,004	30195097	XN	○	145,70
5,03	0,004	30195098	XN	○	145,70
5,50	H7	30195101	XN	○	149,90
5,97	0,004	30195102	XN	○	149,90
5,98	0,004	30195104	XN	○	149,90
5,99	0,004	30195106	XN	○	149,90
6,00	H7	30195108	XN	○	149,90
6,01	0,004	30195109	XN	○	149,90
6,02	0,004	30195111	XN	○	149,90
6,03	0,004	30195112	XN	○	149,90
6,50	H7	30195113	XN	○	149,90
7,00	H7	30195115	XN	○	149,90
7,50	H7	30195116	XN	○	157,80
7,97	0,004	30195117	XN	○	157,80
7,98	0,004	30195119	XN	○	157,80
7,99	0,004	30195121	XN	○	157,80
8,00	H7	30195122	XN	○	157,80
8,01	0,004	30195123	XN	○	157,80
8,02	0,004	30195124	XN	○	157,80
8,03	0,004	30195125	XN	○	157,80
8,50	H7	30195127	XN	○	179,90
9,00	H7	30195132	XN	○	179,90
9,50	H7	30195133	XN	○	179,90
9,97	0,004	30195134	XN	○	207,60
9,98	0,004	30195135	XN	○	207,60
9,99	0,004	30195136	XN	○	207,60
10,00	H7	30195138	XN	○	207,60
10,01	0,004	30195140	XN	○	207,60
10,02	0,004	30195142	XN	○	207,60
10,03	0,004	30195143	XN	○	207,60
10,50	H7	30195144	XN	○	266,50
11,00	H7	30195146	XN	○	266,50
11,50	H7	30195147	XN	○	266,50
11,97	0,004	30195148	XN	○	293,60
11,98	0,004	30195150	XN	○	293,60
11,99	0,004	30195153	XN	○	293,60
12,00	H7	30195155	XN	○	293,60
12,01	0,004	30195159	XN	○	293,60
12,02	0,004	30195165	XN	○	293,60
12,03	0,004	30195168	XN	○	293,60
13,00	H7	30195169	XN	○	294,00
14,00	H7	30195170	XN	○	303,80
15,00	H7	30195172	XN	○	303,80
16,00	H7	30195175	XN	○	313,50
17,00	H7	30195178	XN	○	313,50
18,00	H7	30195182	XN	○	362,70
19,00	H7	30195185	XN	○	362,70
20,00	H7	30195188	XN	○	387,90

HNC-TI I B043272, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC-TI I B043272, for through bore, internal coolant supply

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,97	0,004	30585253	XN	○	139,60
3,98	0,004	30585254	XN	○	139,60
3,99	0,004	30585255	XN	○	139,60
4,00	H7	30585228	XN	○	139,60
4,01	0,004	30585256	XN	○	139,60
4,02	0,004	30585257	XN	○	139,60
4,03	0,004	30585258	XN	○	139,60
4,50	H7	30585229	XN	○	145,70
4,97	0,004	30585259	XN	○	145,70
4,98	0,004	30585260	XN	○	145,70
4,99	0,004	30585261	XN	○	145,70
5,00	H7	30585230	XN	○	145,70
5,01	0,004	30585262	XN	○	145,70
5,02	0,004	30585263	XN	○	145,70
5,03	0,004	30585264	XN	○	145,70
5,50	H7	30585231	XN	○	149,90
5,97	0,004	30585265	XN	○	149,90
5,98	0,004	30585266	XN	○	149,90
5,99	0,004	30585267	XN	○	149,90
6,00	H7	30585232	XN	○	149,90
6,01	0,004	30585268	XN	○	149,90
6,02	0,004	30585269	XN	○	149,90
6,03	0,004	30585270	XN	○	149,90
6,50	H7	30585233	XN	○	149,90
7,00	H7	30585234	XN	○	149,90
7,50	H7	30585235	XN	○	157,80
7,97	0,004	30585271	XN	○	157,80
7,98	0,004	30585272	XN	○	157,80
7,99	0,004	30585273	XN	○	157,80
8,00	H7	30585236	XN	○	157,80
8,01	0,004	30585274	XN	○	157,80
8,02	0,004	30585275	XN	○	157,80
8,03	0,004	30585276	XN	○	157,80
8,50	H7	30585237	XN	○	179,90
9,00	H7	30585238	XN	○	179,90
9,50	H7	30585239	XN	○	179,90
9,97	0,004	30585277	XN	○	207,60
9,98	0,004	30585278	XN	○	207,60
9,99	0,004	30585279	XN	○	207,60
10,00	H7	30585240	XN	○	207,60
10,01	0,004	30585280	XN	○	207,60
10,02	0,004	30585281	XN	○	207,60
10,03	0,004	30585282	XN	○	207,60
10,50	H7	30585241	XN	○	266,50
11,00	H7	30585242	XN	○	266,50
11,50	H7	30585243	XN	○	266,50
11,97	0,004	30585283	XN	○	293,60
11,98	0,004	30585284	XN	○	293,60
11,99	0,004	30585285	XN	○	293,60
12,00	H7	30585244	XN	○	293,60
12,01	0,004	30585286	XN	○	293,60
12,02	0,004	30585287	XN	○	293,60
12,03	0,004	30585288	XN	○	293,60
13,00	H7	30585245	XN	○	294,00
14,00	H7	30585246	XN	○	303,80
15,00	H7	30585247	XN	○	303,80
16,00	H7	30585248	XN	○	313,50
17,00	H7	30585249	XN	○	313,50
18,00	H7	30585250	XN	○	362,70
19,00	H7	30585251	XN	○	362,70
20,00	H7	30585252	XN	○	387,90

HNC-HT I B043280, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC-HT I B043280, for through bore, internal coolant supply

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,97	0,004	30300822	XN	○	139,60
3,98	0,004	30300837	XN	○	139,60
3,99	0,004	30300838	XN	○	139,60
4,00	H7	30300839	XN	○	139,60
4,01	0,004	30300844	XN	○	139,60
4,02	0,004	30300853	XN	○	139,60
4,03	0,004	30300861	XN	○	139,60
4,50	H7	30300865	XN	○	145,70
4,97	0,004	30300866	XN	○	145,70
4,98	0,004	30300867	XN	○	145,70
4,99	0,004	30300868	XN	○	145,70
5,00	H7	30300869	XN	○	145,70
5,01	0,004	30300871	XN	○	145,70
5,02	0,004	30300873	XN	○	145,70
5,03	0,004	30300875	XN	○	145,70
5,50	H7	30300876	XN	○	149,90
5,97	0,004	30300877	XN	○	149,90
5,98	0,004	30300878	XN	○	149,90
5,99	0,004	30300879	XN	○	149,90
6,00	H7	30300882	XN	○	149,90
6,01	0,004	30300884	XN	○	149,90
6,02	0,004	30300885	XN	○	149,90
6,03	0,004	30300911	XN	○	149,90
6,50	H7	30300912	XN	○	149,90
7,00	H7	30300913	XN	○	149,90
7,50	H7	30300914	XN	○	157,80
7,97	0,004	30300955	XN	○	157,80
7,98	0,004	30300957	XN	○	157,80
7,99	0,004	30300959	XN	○	157,80
8,00	H7	30228276	XN	○	157,80
8,01	0,004	30300960	XN	○	157,80
8,02	0,004	30300961	XN	○	157,80
8,03	0,004	30300962	XN	○	157,80
8,50	H7	30300963	XN	○	179,90
9,00	H7	30300964	XN	○	179,90
9,50	H7	30300965	XN	○	179,90
9,97	0,004	30300966	XN	○	207,60
9,98	0,004	30300967	XN	○	207,60
9,99	0,004	30300968	XN	○	207,60
10,00	H7	30300972	XN	○	207,60
10,01	0,004	30300974	XN	○	207,60
10,02	0,004	30300976	XN	○	207,60
10,03	0,004	30300977	XN	○	207,60
10,50	H7	30300979	XN	○	266,50
11,00	H7	30300980	XN	○	266,50
11,50	H7	30300982	XN	○	266,50
11,97	0,004	30300983	XN	○	293,60
11,98	0,004	30300985	XN	○	293,60
11,99	0,004	30300986	XN	○	293,60
12,00	H7	30228277	XN	○	293,60

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
12,01	0,004	30300994	XN	○	293,60
12,02	0,004	30300995	XN	○	293,60
12,03	0,004	30300996	XN	○	293,60
13,00	H7	30300998	XN	○	294,00
14,00	H7	30300999	XN	○	303,80
15,00	H7	30301001	XN	○	303,80
16,00	H7	30228279	XN	○	313,50
17,00	H7	30301002	XN	○	313,50
18,00	H7	30301003	XN	○	362,70
19,00	H7	30301004	XN	○	362,70
20,00	H7	30301005	XN	○	387,90

HNC-Diamond I B043290, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC-Diamond I B043290, for through bore, internal coolant supply

4,00	H7	30476709	XN	○	197,00
4,50	H7	30476711	XN	○	220,60
5,00	H7	30476714	XN	○	203,10
5,50	H7	30476718	XN	○	222,10
6,00	H7	30476719	XN	○	204,20
6,50	H7	30412526	XN	○	213,80
7,00	H7	30476727	XN	○	222,10
7,50	H7	30476728	XN	○	233,90
8,00	H7	30476729	XN	○	216,90
8,50	H7	30476730	XN	○	245,40
9,00	H7	30412525	XN	○	232,30
9,50	H7	30476732	XN	○	245,40
10,00	H7	30412529	XN	○	275,70
10,50	H7	30476693	XN	○	332,60
11,00	H7	30476694	XN	○	332,60
11,50	H7	30476695	XN	○	332,60
12,00	H7	30412530	XN	○	348,30
13,00	H7	30476696	XN	○	366,50
14,00	H7	30466585	XN	○	369,60
15,00	H7	30476699	XN	○	369,60
16,00	H7	30476702	XN	○	381,40
17,00	H7	30476704	XN	○	381,40
18,00	H7	30476706	XN	○	473,50
19,00	H7	30476707	XN	○	473,50
20,00	H7	30412531	XN	○	506,70

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €

PcBN Reibahle I B040356, für Durchgangsbohrung, innere Kühlmittelzufuhr
PcBN reamer I B040356 for through bore, internal coolant supply

3,00	H7	30601315	XX	➲	369,50
3,50	H7	30601316	XX	➲	375,70
4,00	H7	30556056	XX	➲	447,10
4,50	H7	30601317	XX	➲	450,20
5,00	H7	30601318	XX	➲	461,60
5,50	H7	30601319	XX	➲	466,80
6,00	H7	30591461	XX	➲	568,20
6,50	H7	30601320	XX	➲	574,40
7,00	H7	30601321	XX	➲	577,50
7,50	H7	30601322	XX	➲	592,00
8,00	H7	30589906	XX	➲	731,80
8,50	H7	30601323	XX	➲	732,80
9,00	H7	30601324	XX	➲	736,90
9,50	H7	30601325	XX	➲	746,20
10,00	H7	30601327	XX	➲	884,90

HNC ecoSpeed I B033260, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC ecoSpeed I B033260, for through bore, internal coolant supply

6,00	H7	30730611	XN	●	88,60
7,00	H7	30730616	XN	●	91,60
8,00	H7	30730621	XN	●	92,60
9,00	H7	30730626	XN	●	95,70
10,00	H7	30730631	XN	●	96,80
11,00	H7	30730636	XN	●	101,40
12,00	H7	30730641	XN	●	102,70
13,00	H7	30730645	XN	●	107,90
14,00	H7	30730646	XN	●	115,70
15,00	H7	30730647	XN	●	125,10
16,00	H7	30730648	XN	●	128,10
17,00	H7	30730649	XN	●	154,10
18,00	H7	30730650	XN	●	154,90
19,00	H7	30730651	XN	●	159,70
20,00	H7	30730652	XN	●	161,90
21,00	H7	30730653	XN	○	225,00
22,00	H7	30730654	XN	○	225,70
23,00	H7	30730655	XN	○	235,20
24,00	H7	30730656	XN	○	235,50
25,00	H7	30730657	XN	●	216,70
26,00	H7	30730658	XN	○	243,20
27,00	H7	30730659	XN	○	258,00
28,00	H7	30730660	XN	○	266,00
29,00	H7	30730661	XN	○	273,00
30,00	H7	30730662	XN	●	253,70
31,00	H7	30730663	XN	○	291,40
32,00	H7	30730664	XN	●	264,70
33,00	H7	30730665	XN	○	312,40
34,00	H7	30730666	XN	○	321,80
35,00	H7	30730667	XN	○	322,20
36,00	H7	30730668	XN	●	305,00
37,00	H7	30730669	XN	○	355,10
38,00	H7	30730670	XN	○	368,30
39,00	H7	30730671	XN	○	368,90
40,00	H7	30730672	XN	○	369,50

Hochleistungsreibahlen HNC, konfigurierbare Baureihen mit Zylinderschaft
High-performance reamers HNC, configurable series with cylindrical shank

HNC I B040260, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC I B040260, for through bore, internal coolant supply

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
2,800 - 3,030	XN	○	117,70
3,031 - 3,350	XN	○	117,70
3,351 - 3,700	XN	○	117,70
3,701 - 4,200	XN	○	117,70
4,201 - 4,700	XN	○	122,70
4,701 - 5,200	XN	○	122,70
5,201 - 5,700	XN	○	126,00
5,701 - 6,200	XN	○	126,00
6,201 - 6,700	XN	○	126,00
6,701 - 7,200	XN	○	126,00
7,201 - 7,700	XN	○	132,70
7,701 - 8,200	XN	○	132,70
8,201 - 8,700	XN	○	151,20
8,701 - 9,200	XN	○	151,20
9,201 - 9,700	XN	○	151,20
9,701 - 10,200	XN	○	183,00
10,201 - 10,700	XN	○	224,40
10,701 - 11,200	XN	○	224,40
11,201 - 11,700	XN	○	224,40
11,701 - 12,200	XN	○	242,40
12,201 - 13,200	XN	○	247,10
13,201 - 14,200	XN	○	255,80
14,201 - 15,200	XN	○	255,80
15,201 - 16,200	XN	○	263,80
16,201 - 17,200	XN	○	263,80
17,201 - 18,200	XN	○	304,80
18,201 - 19,200	XN	○	304,80
19,201 - 20,200	XN	○	326,40

HNC-AL I B043250, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC-AL I B043250, for through bore, internal coolant supply

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,701 - 4,200	XN	○	156,30
4,201 - 4,700	XN	○	156,80
4,701 - 5,200	XN	○	160,90
5,201 - 5,700	XN	○	161,30
5,701 - 6,200	XN	○	165,70
6,201 - 6,700	XN	○	172,40
6,701 - 7,200	XN	○	175,50
7,201 - 7,700	XN	○	180,00
7,701 - 8,200	XN	○	184,90
8,201 - 8,700	XN	○	215,10
8,701 - 9,200	XN	○	215,10
9,201 - 9,700	XN	○	226,90
9,701 - 10,200	XN	○	242,50
10,201 - 10,700	XN	○	256,90
10,701 - 11,200	XN	○	269,90
11,201 - 11,700	XN	○	283,70
11,701 - 12,200	XN	○	298,70
12,201 - 13,200	XN	○	313,50
13,201 - 14,200	XN	○	332,80
14,201 - 15,200	XN	○	358,80
15,201 - 16,200	XN	○	382,70
16,201 - 17,200	XN	○	407,40
17,201 - 18,200	XN	○	439,90
18,201 - 19,200	XN	○	470,10
19,201 - 20,200	XN	○	497,90

HNC-Speed I B043260, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC-Speed I B043260, for through bore, internal coolant supply

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
2,800 - 3,030	XN	○	139,60
3,031 - 3,350	XN	○	139,60
3,351 - 3,700	XN	○	139,60
3,701 - 4,200	XN	○	139,60
4,201 - 4,700	XN	○	145,70
4,701 - 5,200	XN	○	145,70
5,201 - 5,700	XN	○	149,90
5,701 - 6,200	XN	○	149,90
6,201 - 6,700	XN	○	149,90
6,701 - 7,200	XN	○	149,90
7,201 - 7,700	XN	○	157,80
7,701 - 8,200	XN	○	157,80
8,201 - 8,700	XN	○	179,90
8,701 - 9,200	XN	○	179,90
9,201 - 9,700	XN	○	179,90
9,701 - 10,200	XN	○	207,60
10,201 - 10,700	XN	○	266,50
10,701 - 11,200	XN	○	266,50
11,201 - 11,700	XN	○	266,50
11,701 - 12,200	XN	○	293,60
12,201 - 13,200	XN	○	294,00
13,201 - 14,200	XN	○	303,80
14,201 - 15,200	XN	○	303,80
15,201 - 16,200	XN	○	313,50
16,201 - 17,200	XN	○	313,50
17,201 - 18,200	XN	○	362,70
18,201 - 19,200	XN	○	362,70
19,201 - 20,200	XN	○	387,90

HNC-VA I B043270, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC-VA I B043270, for through bore, internal coolant supply

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,701 - 4,200	XN	○	139,60
4,201 - 4,700	XN	○	145,70
4,701 - 5,200	XN	○	145,70
5,201 - 5,700	XN	○	149,90
5,701 - 6,200	XN	○	149,90
6,201 - 6,700	XN	○	149,90
6,701 - 7,200	XN	○	149,90
7,201 - 7,700	XN	○	157,80
7,701 - 8,200	XN	○	157,80
8,201 - 8,700	XN	○	179,90
8,701 - 9,200	XN	○	179,90
9,201 - 9,700	XN	○	179,90
9,701 - 10,200	XN	○	207,60
10,201 - 10,700	XN	○	266,50
10,701 - 11,200	XN	○	266,50
11,201 - 11,700	XN	○	266,50
11,701 - 12,200	XN	○	293,60
12,201 - 13,200	XN	○	294,00
13,201 - 14,200	XN	○	303,80
14,201 - 15,200	XN	○	303,80

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
15,201 - 16,200	XN	○	313,50
16,201 - 17,200	XN	○	313,50
17,201 - 18,200	XN	○	362,70
18,201 - 19,200	XN	○	362,70
19,201 - 20,200	XN	○	387,90

HNC-TI I B043272, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC-TI I B043272, for through bore, internal coolant supply

3,701 - 4,200	XN	○	139,60
4,201 - 4,700	XN	○	145,70
4,701 - 5,200	XN	○	145,70
5,201 - 5,700	XN	○	149,90
5,701 - 6,200	XN	○	149,90
6,201 - 6,700	XN	○	149,90
6,701 - 7,200	XN	○	149,90
7,201 - 7,700	XN	○	157,80
7,701 - 8,200	XN	○	157,80
8,201 - 8,700	XN	○	179,90
8,701 - 9,200	XN	○	179,90
9,201 - 9,700	XN	○	179,90
9,701 - 10,200	XN	○	207,60
10,201 - 10,700	XN	○	266,50
10,701 - 11,200	XN	○	266,50
11,201 - 11,700	XN	○	266,50
11,701 - 12,200	XN	○	293,60
12,201 - 13,200	XN	○	294,00
13,201 - 14,200	XN	○	303,80
14,201 - 15,200	XN	○	303,80
15,201 - 16,200	XN	○	313,50
16,201 - 17,200	XN	○	313,50
17,201 - 18,200	XN	○	362,70
18,201 - 19,200	XN	○	362,70
19,201 - 20,200	XN	○	387,90

HNC-HT I B043280, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC-HT I B043280, for through bore, internal coolant supply

3,701 - 4,200	XN	○	139,60
4,201 - 4,700	XN	○	145,70
4,701 - 5,200	XN	○	145,70
5,201 - 5,700	XN	○	149,90
5,701 - 6,200	XN	○	149,90
6,201 - 6,700	XN	○	149,90
6,701 - 7,200	XN	○	149,90
7,201 - 7,700	XN	○	157,80
7,701 - 8,200	XN	○	157,80
8,201 - 8,700	XN	○	179,90
8,701 - 9,200	XN	○	179,90
9,201 - 9,700	XN	○	179,90
9,701 - 10,200	XN	○	207,60
10,201 - 10,700	XN	○	266,50
10,701 - 11,200	XN	○	266,50
11,201 - 11,700	XN	○	266,50
11,701 - 12,200	XN	○	293,60
12,201 - 13,200	XN	○	294,00
13,201 - 14,200	XN	○	303,80
14,201 - 15,200	XN	○	303,80

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
15,201 - 16,200	XN	○	313,50
16,201 - 17,200	XN	○	313,50
17,201 - 18,200	XN	○	362,70
18,201 - 19,200	XN	○	362,70
19,201 - 20,200	XN	○	387,90

HNC-Diamond I B043290, für Durchgangsbohrung, innere Kühlmittelzufuhr
HNC-Diamond I B043290, for through bore, internal coolant supply

3,701 - 4,200	XN	○	197,00
4,201 - 4,700	XN	○	220,60
4,701 - 5,200	XN	○	203,10
5,201 - 5,700	XN	○	222,10
5,701 - 6,200	XN	○	204,20
6,201 - 6,700	XN	○	213,80
6,701 - 7,200	XN	○	222,10
7,201 - 7,700	XN	○	233,90
7,701 - 8,200	XN	○	216,90
8,201 - 8,700	XN	○	245,40
8,701 - 9,200	XN	○	232,30
9,201 - 9,700	XN	○	245,40
9,701 - 10,200	XN	○	275,70
10,201 - 10,700	XN	○	332,60
10,701 - 11,200	XN	○	332,60
11,201 - 11,700	XN	○	332,60
11,701 - 12,200	XN	○	348,30
12,201 - 13,200	XN	○	366,50
13,201 - 14,200	XN	○	369,60
14,201 - 15,200	XN	○	369,60
15,201 - 16,200	XN	○	381,40
16,201 - 17,200	XN	○	381,40
17,201 - 18,200	XN	○	473,50
18,201 - 19,200	XN	○	473,50
19,201 - 20,200	XN	○	506,70

PcBN Reibahle I B040356, für Durchgangsbohrung, innere Kühlmittelzufuhr
PcBN reamer I B040356 for through bore, internal coolant supply

3,001 - 3,210	XX	○	369,50
3,211 - 3,710	XX	○	375,70
3,711 - 4,210	XX	○	447,10
4,211 - 4,710	XX	○	450,20
4,711 - 5,210	XX	○	461,60
5,211 - 5,710	XX	○	466,80
5,711 - 6,210	XX	○	568,20
6,211 - 6,710	XX	➲	574,40
6,711 - 7,210	XX	➲	577,50
7,211 - 7,710	XX	➲	592,00
7,711 - 8,210	XX	➲	731,80
8,211 - 8,710	XX	➲	732,80
8,711 - 9,210	XX	➲	736,90
9,211 - 9,710	XX	➲	746,20
9,711 - 10,200	XX	➲	884,90

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
HNC ecoSpeed I B033260, für Durchgangsbohrung, innere Kühlmittelzufuhr HNC ecoSpeed I B033260, for through bore, internal coolant supply			
6,000 - 6,700	XN	○	103,60
6,701 - 7,200	XN	○	107,00
7,201 - 7,700	XN	○	107,70
7,701 - 8,200	XN	○	108,40
8,201 - 8,700	XN	○	110,40
8,701 - 9,200	XN	○	112,00
9,201 - 9,700	XN	○	112,60
9,701 - 10,200	XN	○	113,10
10,201 - 10,700	XN	○	116,20
10,701 - 11,200	XN	○	118,50
11,201 - 11,700	XN	○	119,30
11,701 - 12,200	XN	○	120,20
12,201 - 13,200	XN	○	126,20
13,201 - 14,200	XN	○	133,90
14,201 - 15,200	XN	○	143,90
15,201 - 16,200	XN	○	147,30
16,201 - 17,200	XN	○	175,60
17,201 - 18,200	XN	○	176,60
18,201 - 19,200	XN	○	180,40
19,201 - 20,200	XN	○	182,90
20,201 - 21,200	XN	○	225,00
21,201 - 22,200	XN	○	225,70
22,201 - 23,200	XN	○	235,20
23,201 - 24,200	XN	○	235,50
24,201 - 25,200	XN	○	242,70
25,201 - 26,200	XN	○	243,20
26,201 - 27,200	XN	○	258,00
27,201 - 28,200	XN	○	266,00
28,201 - 29,200	XN	○	273,00
29,201 - 30,200	XN	○	280,60
30,201 - 31,200	XN	○	291,40
31,201 - 32,200	XN	○	291,80
32,201 - 33,200	XN	○	312,40
33,201 - 34,200	XN	○	321,80
34,201 - 35,200	XN	○	322,20
35,201 - 36,200	XN	○	332,00
36,201 - 37,200	XN	○	355,10
37,201 - 38,200	XN	○	368,30
38,201 - 39,200	XN	○	368,90
39,201 - 40,200	XN	○	369,50

Hochleistungsreibahlen HNC, Vorzugsbaureihen mit Zylinderschaft
High-performance reamers HNC, preferred series with cylindrical shank

HNC | B040261, für Grundbohrung, innere Kühlmittelzufuhr
HNC | B040261, for blind bore, internal coolant supply

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,00	H7	30402436	XN	○	117,70
3,20	H7	30402437	XN	○	117,70
3,50	H7	30402440	XN	○	117,70
3,97	0,004	30131314	XN	●	107,90
3,98	0,004	30131316	XN	●	107,90
3,99	0,004	30131318	XN	●	107,90
4,00	H7	30131320	XN	●	100,30
4,01	0,004	30131322	XN	●	107,90
4,02	0,004	30131324	XN	●	107,90
4,03	0,004	30131326	XN	●	107,90
4,50	H7	30131328	XN	●	112,40
4,97	0,004	30131330	XN	●	112,40
4,98	0,004	30131332	XN	●	112,40
4,99	0,004	30131334	XN	●	112,40
5,00	H7	30131336	XN	●	103,30
5,01	0,004	30131338	XN	●	112,40
5,02	0,004	30131340	XN	●	112,40
5,03	0,004	30131342	XN	●	112,40
5,50	H7	30131344	XN	●	115,70
5,97	0,004	30131346	XN	●	115,70
5,98	0,004	30131348	XN	●	115,70
5,99	0,004	30131350	XN	●	115,70
6,00	H7	30131352	XN	●	106,40
6,01	0,004	30131354	XN	●	115,70
6,02	0,004	30131356	XN	●	115,70
6,03	0,004	30131358	XN	●	115,70
6,50	H7	30131360	XN	●	111,10
7,00	H7	30131362	XN	●	115,70
7,50	H7	30131364	XN	●	121,60
7,97	0,004	30131366	XN	●	121,60
7,98	0,004	30131368	XN	●	121,60
7,99	0,004	30131370	XN	●	121,60
8,00	H7	30131372	XN	●	112,40
8,01	0,004	30131374	XN	●	121,60
8,02	0,004	30131376	XN	●	121,60
8,03	0,004	30131378	XN	●	121,60
8,50	H7	30131380	XN	●	138,70
9,00	H7	30131382	XN	●	131,10
9,50	H7	30131384	XN	●	138,70
9,97	0,004	30131386	XN	●	138,70
9,98	0,004	30131388	XN	●	138,70
9,99	0,004	30131390	XN	●	138,70
10,00	H7	30131392	XN	●	161,80
10,01	0,004	30131394	XN	●	169,50
10,02	0,004	30131396	XN	●	169,50
10,03	0,004	30131398	XN	●	169,50
10,50	H7	30131400	XN	●	209,60
11,00	H7	30131402	XN	●	209,60
11,50	H7	30131404	XN	●	209,60
11,97	0,004	30131406	XN	●	226,50
11,98	0,004	30131408	XN	●	226,50
11,99	0,004	30131410	XN	●	226,50
12,00	H7	30131412	XN	●	215,70
12,01	0,004	30131414	XN	●	226,50
12,02	0,004	30131416	XN	●	226,50
12,03	0,004	30131418	XN	●	226,50
13,00	H7	30131420	XN	●	231,00
14,00	H7	30131422	XN	●	238,90
15,00	H7	30131424	XN	●	238,90
16,00	H7	30131426	XN	●	246,40
17,00	H7	30131428	XN	●	246,40
18,00	H7	30131430	XN	●	284,80
19,00	H7	30131432	XN	●	284,80
20,00	H7	30131434	XN	●	305,00

HNC-AL | B043251, für Grundbohrung, innere Kühlmittelzufuhr
HNC-AL | B043251, for blind bore, internal coolant supply

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
4,00	H7	30385429	XN	○	156,30
4,50	H7	30385431	XN	○	156,80
5,00	H7	30385433	XN	○	160,90
5,50	H7	30385434	XN	○	161,30
6,00	H7	30385436	XN	○	165,70
6,50	H7	30385439	XN	○	172,40
7,00	H7	30385440	XN	○	175,50
7,50	H7	30385441	XN	○	180,00
8,00	H7	30385442	XN	○	184,90
8,50	H7	30385443	XN	○	215,10
9,00	H7	30385444	XN	○	215,10
9,50	H7	30385445	XN	○	226,90
10,00	H7	30385446	XN	○	242,50
10,50	H7	30385447	XN	○	256,90
11,00	H7	30385449	XN	○	269,90
11,50	H7	30385451	XN	○	283,70
12,00	H7	30385452	XN	○	298,70
13,00	H7	30385453	XN	○	313,50
14,00	H7	30385454	XN	○	332,80
15,00	H7	30385455	XN	○	358,80
16,00	H7	30385456	XN	○	382,70
17,00	H7	30385458	XN	○	407,40
18,00	H7	30385460	XN	○	439,90
19,00	H7	30385461	XN	○	470,10
20,00	H7	30385464	XN	○	497,90

HNC-Speed | B043261, für Grundbohrung, innere Kühlmittelzufuhr
HNC-Speed | B043261, for blind bore, internal coolant supply

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,00	H7	30402456	XN	○	139,60
3,20	H7	30402457	XN	○	139,60
3,50	H7	30402458	XN	○	139,60
3,97	0,004	30131558	XN	●	129,40
3,98	0,004	30131560	XN	●	129,40
3,99	0,004	30131562	XN	●	129,40
4,00	H7	30131564	XN	●	120,00
4,01	0,004	30131566	XN	●	129,40
4,02	0,004	30131568	XN	●	129,40
4,03	0,004	30131570	XN	●	129,40
4,50	H7	30131572	XN	●	135,00
4,97	0,004	30131574	XN	●	135,00
4,98	0,004	30131576	XN	●	135,00
4,99	0,004	30131578	XN	●	135,00

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
5,00	H7	30131580	XN	●	123,90
5,01	0,004	30131582	XN	●	135,00
5,02	0,004	30131584	XN	●	135,00
5,03	0,004	30131586	XN	●	135,00
5,50	H7	30131588	XN	●	138,70
5,97	0,004	30131590	XN	●	138,70
5,98	0,004	30131592	XN	●	138,70
5,99	0,004	30131594	XN	●	138,70
6,00	H7	30131596	XN	●	127,40
6,01	0,004	30131598	XN	●	138,70
6,02	0,004	30131600	XN	●	138,70
6,03	0,004	30131602	XN	●	138,70
6,50	H7	30131604	XN	●	133,10
7,00	H7	30131606	XN	●	138,70
7,50	H7	30131608	XN	●	146,10
7,97	0,004	30131610	XN	●	146,10
7,98	0,004	30131612	XN	●	146,10
7,99	0,004	30131614	XN	●	146,10
8,00	H7	30131616	XN	●	135,00
8,01	0,004	30131618	XN	●	146,10
8,02	0,004	30131620	XN	●	146,10
8,03	0,004	30131622	XN	●	146,10
8,50	H7	30131624	XN	●	166,30
9,00	H7	30131626	XN	●	157,10
9,50	H7	30131628	XN	●	166,30
9,97	0,004	30131630	XN	●	166,30
9,98	0,004	30131632	XN	●	166,30
9,99	0,004	30131634	XN	●	166,30
10,00	H7	30131636	XN	●	194,20
10,01	0,004	30131638	XN	●	203,30
10,02	0,004	30131640	XN	●	203,30
10,03	0,004	30131642	XN	●	203,30
10,50	H7	30131644	XN	●	251,40
11,00	H7	30131646	XN	●	251,40
11,50	H7	30131648	XN	●	251,40
11,97	0,004	30131650	XN	●	271,70
11,98	0,004	30131652	XN	●	271,70
11,99	0,004	30131654	XN	●	271,70
12,00	H7	30131656	XN	●	259,00
12,01	0,004	30131658	XN	●	271,70
12,02	0,004	30131660	XN	●	271,70
12,03	0,004	30131662	XN	●	271,70
13,00	H7	30131664	XN	●	277,40
14,00	H7	30131666	XN	●	286,60
15,00	H7	30131668	XN	●	286,60
16,00	H7	30131670	XN	●	295,70
17,00	H7	30131672	XN	●	295,70
18,00	H7	30131674	XN	●	342,00
19,00	H7	30131676	XN	●	342,00
20,00	H7	30131678	XN	●	366,00

HNC-VA I B043271, für Grundbohrung, innere Kühlmittelzufuhr
HNC-VA I B043271, for blind bore, internal coolant supply

3,97	0,004	30131802	XN	○	139,60
3,98	0,004	30131804	XN	○	139,60
3,99	0,004	30131806	XN	○	139,60
4,00	H7	30131808	XN	○	139,60
4,01	0,004	30131810	XN	○	139,60
4,02	0,004	30131812	XN	○	139,60
4,03	0,004	30131814	XN	○	139,60
4,50	H7	30131816	XN	○	145,70
4,97	0,004	30131818	XN	○	145,70
4,98	0,004	30131820	XN	○	145,70
4,99	0,004	30131822	XN	○	145,70
5,00	H7	30131824	XN	○	145,70
5,01	0,004	30131826	XN	○	145,70
5,02	0,004	30131828	XN	○	145,70
5,03	0,004	30131830	XN	○	145,70
5,50	H7	30131832	XN	○	149,90
5,97	0,004	30131834	XN	○	149,90
5,98	0,004	30131836	XN	○	149,90
5,99	0,004	30131838	XN	○	149,90
6,00	H7	30131840	XN	○	149,90
6,01	0,004	30131842	XN	○	149,90
6,02	0,004	30131844	XN	○	149,90
6,03	0,004	30131846	XN	○	149,90
6,50	H7	30131848	XN	○	149,90
7,00	H7	30131850	XN	○	149,90
7,50	H7	30131852	XN	○	157,80
7,97	0,004	30131854	XN	○	157,80
7,98	0,004	30131856	XN	○	157,80
7,99	0,004	30131858	XN	○	157,80
8,00	H7	30131860	XN	○	157,80
8,01	0,004	30131862	XN	○	157,80
8,02	0,004	30131864	XN	○	157,80
8,03	0,004	30131866	XN	○	157,80
8,50	H7	30131868	XN	○	179,90
9,00	H7	30131870	XN	○	179,90
9,50	H7	30131872	XN	○	179,90
9,97	0,004	30131874	XN	○	207,60
9,98	0,004	30131876	XN	○	207,60
9,99	0,004	30131878	XN	○	207,60
10,00	H7	30131880	XN	○	207,60
10,01	0,004	30131882	XN	○	207,60
10,02	0,004	30131884	XN	○	207,60
10,03	0,004	30131886	XN	○	207,60
10,50	H7	30131888	XN	○	266,50
11,00	H7	30131890	XN	○	266,50
11,50	H7	30131892	XN	○	266,50
11,97	0,004	30131894	XN	○	293,60
11,98	0,004	30131896	XN	○	293,60
11,99	0,004	30131898	XN	○	293,60
12,00	H7	30131900	XN	○	293,60
12,01	0,004	30131902	XN	○	293,60
12,02	0,004	30131904	XN	○	293,60
12,03	0,004	30131906	XN	○	293,60
13,00	H7	30131908	XN	○	294,00
14,00	H7	30131910	XN	○	303,80
15,00	H7	30131912	XN	○	303,80
16,00	H7	30131914	XN	○	313,50
17,00	H7	30131916	XN	○	313,50
18,00	H7	30131918	XN	○	362,70
19,00	H7	30131920	XN	○	362,70
20,00	H7	30131922	XN	○	387,90

HNC-TI I B043273, für Grundbohrung, innere Kühlmittelzufuhr
HNC-TI I B043273, for blind bore, internal coolant supply

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,97	0,004	30585314	XN	○	139,60
3,98	0,004	30585315	XN	○	139,60
3,99	0,004	30585316	XN	○	139,60
4,00	H7	30585289	XN	○	139,60
4,01	0,004	30585317	XN	○	139,60
4,02	0,004	30585318	XN	○	139,60
4,03	0,004	30585319	XN	○	139,60
4,50	H7	30585290	XN	○	145,70
4,97	0,004	30585320	XN	○	145,70
4,98	0,004	30585321	XN	○	145,70
4,99	0,004	30585322	XN	○	145,70
5,00	H7	30585291	XN	○	145,70
5,01	0,004	30585323	XN	○	145,70
5,02	0,004	30585324	XN	○	145,70
5,03	0,004	30585325	XN	○	145,70
5,50	H7	30585292	XN	○	149,90
5,97	0,004	30585326	XN	○	149,90
5,98	0,004	30585327	XN	○	149,90
5,99	0,004	30585328	XN	○	149,90
6,00	H7	30585293	XN	○	149,90
6,01	0,004	30585329	XN	○	149,90
6,02	0,004	30585330	XN	○	149,90
6,03	0,004	30585331	XN	○	149,90
6,50	H7	30585294	XN	○	149,90
7,00	H7	30585295	XN	○	149,90
7,50	H7	30585296	XN	○	157,80
7,97	0,004	30585332	XN	○	157,80
7,98	0,004	30585333	XN	○	157,80
7,99	0,004	30585334	XN	○	157,80
8,00	H7	30585297	XN	○	157,80
8,01	0,004	30585335	XN	○	157,80
8,02	0,004	30585336	XN	○	157,80
8,03	0,004	30585337	XN	○	157,80
8,50	H7	30585298	XN	○	179,90
9,00	H7	30585299	XN	○	179,90
9,50	H7	30585300	XN	○	179,90
9,97	0,004	30585338	XN	○	207,60
9,98	0,004	30585339	XN	○	207,60
9,99	0,004	30585340	XN	○	207,60
10,00	H7	30585301	XN	○	207,60
10,01	0,004	30585341	XN	○	207,60
10,02	0,004	30585342	XN	○	207,60
10,03	0,004	30585343	XN	○	207,60
10,50	H7	30585302	XN	○	266,50
11,00	H7	30585303	XN	○	266,50
11,50	H7	30585304	XN	○	266,50
11,97	0,004	30585344	XN	○	293,60
11,98	0,004	30585345	XN	○	293,60
11,99	0,004	30585346	XN	○	293,60
12,00	H7	30585305	XN	○	293,60
12,01	0,004	30585347	XN	○	293,60
12,02	0,004	30585348	XN	○	293,60
12,03	0,004	30585349	XN	○	293,60
13,00	H7	30585306	XN	○	294,00
14,00	H7	30585307	XN	○	303,80
15,00	H7	30585308	XN	○	303,80
16,00	H7	30585309	XN	○	313,50
17,00	H7	30585310	XN	○	313,50
18,00	H7	30585311	XN	○	362,70
19,00	H7	30585312	XN	○	362,70
20,00	H7	30585313	XN	○	387,90

HNC-HT I B043281, für Grundbohrung, innere Kühlmittelzufuhr
HNC-HT I B043281, for blind bore, internal coolant supply

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,97	0,004	30301217	XN	○	139,60
3,98	0,004	30301219	XN	○	139,60
3,99	0,004	30301220	XN	○	139,60
4,00	H7	30301222	XN	○	139,60
4,01	0,004	30301223	XN	○	139,60
4,02	0,004	30301224	XN	○	139,60
4,03	0,004	30301225	XN	○	139,60
4,50	H7	30301226	XN	○	145,70
4,97	0,004	30301227	XN	○	145,70
4,98	0,004	30301228	XN	○	145,70
4,99	0,004	30301229	XN	○	145,70
5,00	H7	30301234	XN	○	145,70
5,01	0,004	30301236	XN	○	145,70
5,02	0,004	30301237	XN	○	145,70
5,03	0,004	30301365	XN	○	145,70
5,50	H7	30301366	XN	○	149,90
5,97	0,004	30301369	XN	○	149,90
5,98	0,004	30301372	XN	○	149,90
5,99	0,004	30301373	XN	○	149,90
6,00	H7	30301374	XN	○	149,90
6,01	0,004	30301375	XN	○	149,90
6,02	0,004	30301376	XN	○	149,90
6,03	0,004	30301377	XN	○	149,90
6,50	H7	30301378	XN	○	149,90
7,00	H7	30301379	XN	○	149,90
7,50	H7	30301380	XN	○	157,80
7,97	0,004	30301381	XN	○	157,80
7,98	0,004	30301382	XN	○	157,80
7,99	0,004	30301383	XN	○	157,80
8,00	H7	30228281	XN	○	157,80
8,01	0,004	30301384	XN	○	157,80
8,02	0,004	30301387	XN	○	157,80
8,03	0,004	30301388	XN	○	157,80
8,50	H7	30301389	XN	○	179,90
9,00	H7	30301390	XN	○	179,90
9,50	H7	30301391	XN	○	179,90
9,97	0,004	30301392	XN	○	207,60
9,98	0,004	30301393	XN	○	207,60
9,99	0,004	30301394	XN	○	207,60
10,00	H7	30301395	XN	○	207,60
10,01	0,004	30301398	XN	○	207,60
10,02	0,004	30301399	XN	○	207,60
10,03	0,004	30301400	XN	○	207,60
10,50	H7	30301401	XN	○	266,50
11,00	H7	30301402	XN	○	266,50
11,50	H7	30301403	XN	○	266,50
11,97	0,004	30301404	XN	○	293,60

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Material-gruppe Material group	Verfüg-barkeit Availa-bility	Preis pro Stück € Price per piece €
11,98	0,004	30301405	XN	○	293,60
11,99	0,004	30301406	XN	○	293,60
12,00	H7	30228282	XN	○	293,60
12,01	0,004	30301452	XN	○	293,60
12,02	0,004	30301453	XN	○	293,60
12,03	0,004	30301455	XN	○	293,60
13,00	H7	30301456	XN	○	294,00
14,00	H7	30301457	XN	○	303,80
15,00	H7	30301465	XN	○	303,80
16,00	H7	30228283	XN	○	313,50
17,00	H7	30301467	XN	○	313,50
18,00	H7	30301470	XN	○	362,70
19,00	H7	30301499	XN	○	362,70
20,00	H7	30301500	XN	○	387,90

HNC-Diamond I B043291, für Grundbohrung, innere Kühlmittelzufuhr
HNC-Diamond I B043291, for blind bore, internal coolant supply

4,00	H7	30601845	XN	○	197,00
4,50	H7	30495398	XN	○	220,60
5,00	H7	30601846	XN	○	203,10
5,50	H7	30601847	XN	○	222,10
6,00	H7	30498850	XN	○	204,20
6,50	H7	30601848	XN	○	213,80
7,00	H7	30601849	XN	○	222,10
7,50	H7	30601850	XN	○	233,90
8,00	H7	30546131	XN	○	216,90
8,50	H7	30601851	XN	○	245,40
9,00	H7	30601852	XN	○	232,30
9,50	H7	30601853	XN	○	245,40
10,00	H7	30419221	XN	○	275,70
10,50	H7	30601854	XN	○	332,60
11,00	H7	30601855	XN	○	332,60
11,50	H7	30601856	XN	○	332,60
12,00	H7	30466230	XN	○	348,30
13,00	H7	30601857	XN	○	366,50
14,00	H7	30601858	XN	○	369,60
15,00	H7	30601859	XN	○	369,60
16,00	H7	30601860	XN	○	381,40
17,00	H7	30601861	XN	○	381,40
18,00	H7	30601862	XN	○	473,50
19,00	H7	30601863	XN	○	473,50
20,00	H7	30497749	XN	○	506,70

HNC-Short I B043265, für Grundbohrung, innere Kühlmittelzufuhr
HNC-Short I B043265, for blind bore, internal coolant supply

3,00	H7	30400036	XN	○	116,60
3,20	H7	30400035	XN	○	116,60
3,50	H7	30400037	XN	○	116,60
4,00	H7	30400038	XN	○	116,60
4,50	H7	30400039	XN	○	121,40
5,00	H7	30357266	XN	○	121,40
5,50	H7	30400040	XN	○	124,80
6,00	H7	30356948	XN	○	124,80
6,50	H7	30395323	XN	○	124,80
7,00	H7	30400043	XN	○	124,80
7,50	H7	30400044	XN	○	131,60
8,00	H7	30356949	XN	○	131,60

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Material-gruppe Material group	Verfüg-barkeit Availa-bility	Preis pro Stück € Price per piece €
8,50	H7	30400046	XN	○	141,60
9,00	H7	30400050	XN	○	149,90
9,50	H7	30400051	XN	○	149,90
10,00	H7	30356951	XN	○	173,20
10,50	H7	30400053	XN	○	222,10
11,00	H7	30400054	XN	○	222,10
11,50	H7	30400055	XN	○	222,10
12,00	H7	30356952	XN	○	228,60
13,00	H7	30400057	XN	○	244,90
14,00	H7	30400058	XN	○	253,10
15,00	H7	30400059	XN	○	253,10
16,00	H7	30400060	XN	○	261,30
17,00	H7	30400061	XN	○	261,30
18,00	H7	30384786	XN	○	302,00
19,00	H7	30400062	XN	○	302,00
20,00	H7	30400063	XN	○	323,20

PcBN Reibahle I B040366, für Grundbohrung, innere Kühlmittelzufuhr
PcBN reamer I B040366, for blind bore, internal coolant supply

3,00	H7	30601813	XX	➲	369,50
3,50	H7	30601814	XX	➲	375,70
4,00	H7	30601815	XX	➲	447,10
4,50	H7	30601816	XX	➲	450,20
5,00	H7	30601817	XX	➲	461,60
5,50	H7	30601818	XX	➲	466,80
6,00	H7	30601819	XX	➲	568,20
6,50	H7	30601820	XX	➲	574,40
7,00	H7	30601821	XX	➲	577,50
7,50	H7	30601822	XX	➲	592,00
8,00	H7	30601823	XX	➲	731,80
8,50	H7	30601824	XX	➲	732,80
9,00	H7	30601825	XX	➲	736,90
9,50	H7	30601826	XX	➲	746,20
10,00	H7	30601827	XX	➲	884,90

HNC ecoSpeed I B033261, für Grundbohrung, innere Kühlmittelzufuhr
HNC ecoSpeed I B033261, for blind bore, internal coolant supply

6,00	H7	30730726	XN	●	79,60
7,00	H7	30730731	XN	●	82,50
8,00	H7	30730736	XN	●	83,60
9,00	H7	30730741	XN	●	87,80
10,00	H7	30730746	XN	●	90,40
11,00	H7	30730751	XN	●	96,20
12,00	H7	30730756	XN	●	97,40
13,00	H7	30730760	XN	●	102,70
14,00	H7	30730761	XN	●	108,80
15,00	H7	30730762	XN	●	118,30
16,00	H7	30730763	XN	●	121,40
17,00	H7	30730764	XN	●	144,00
18,00	H7	30730765	XN	●	144,90
19,00	H7	30730766	XN	●	149,40
20,00	H7	30730767	XN	●	151,90
21,00	H7	30730768	XN	○	212,00
22,00	H7	30730769	XN	○	212,70
23,00	H7	30730770	XN	○	222,10
24,00	H7	30730771	XN	○	222,40
25,00	H7	30730772	XN	●	203,80

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
26,00	H7	30730773	XN	○	219,10
26,00	H7	30730773	XN	○	230,20
27,00	H7	30730774	XN	○	245,10
28,00	H7	30730775	XN	○	253,20
29,00	H7	30730776	XN	○	260,00
30,00	H7	30730777	XN	●	240,60
31,00	H7	30730778	XN	○	278,30
32,00	H7	30730779	XN	●	251,50
33,00	H7	30730780	XN	○	299,20
34,00	H7	30730781	XN	○	307,70
35,00	H7	30730782	XN	○	308,20
36,00	H7	30730783	XN	●	290,90
37,00	H7	30730784	XN	○	341,00
38,00	H7	30730785	XN	○	354,20
39,00	H7	30730786	XN	○	354,80
40,00	H7	30730787	XN	○	355,30

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €

Hochleistungsreibahlen HNC, konfigurierbare Baureihen mit Zylinderschaft
High-performance reamers HNC, configurable series with cylindrical shank

HNC I B040261, für Grundbohrung, innere Kühlmittelzufuhr
HNC I B040261, for blind bore, internal coolant supply

2,800 - 3,030	XN	○	117,70
3,031 - 3,350	XN	○	117,70
3,351 - 3,700	XN	○	117,70
3,701 - 4,200	XN	○	117,70
4,201 - 4,700	XN	○	122,70
4,701 - 5,200	XN	○	122,70
5,201 - 5,700	XN	○	126,00
5,701 - 6,200	XN	○	126,00
6,201 - 6,700	XN	○	126,00
6,701 - 7,200	XN	○	126,00
7,201 - 7,700	XN	○	132,70
7,701 - 8,200	XN	○	132,70
8,201 - 8,700	XN	○	151,20
8,701 - 9,200	XN	○	151,20
9,201 - 9,700	XN	○	151,20
9,701 - 10,200	XN	○	183,00
10,201 - 10,700	XN	○	224,40
10,701 - 11,200	XN	○	224,40
11,201 - 11,700	XN	○	224,40
11,701 - 12,200	XN	○	242,40
12,201 - 13,200	XN	○	247,10
13,201 - 14,200	XN	○	255,80
14,201 - 15,200	XN	○	255,80
15,201 - 16,200	XN	○	263,80
16,201 - 17,200	XN	○	263,80
17,201 - 18,200	XN	○	304,80
18,201 - 19,200	XN	○	304,80
19,201 - 20,200	XN	○	326,40

HNC-AL I B043251, für Grundbohrung, innere Kühlmittelzufuhr
HNC-AL I B043251, for blind bore, internal coolant supply

3,701 - 4,200	XN	○	156,30
4,201 - 4,700	XN	○	156,80
4,701 - 5,200	XN	○	160,90
5,201 - 5,700	XN	○	161,30
5,701 - 6,200	XN	○	165,70
6,201 - 6,700	XN	○	172,40
6,701 - 7,200	XN	○	175,50
7,201 - 7,700	XN	○	180,00
7,701 - 8,200	XN	○	184,90
8,201 - 8,700	XN	○	215,10
8,701 - 9,200	XN	○	215,10
9,201 - 9,700	XN	○	226,90
9,701 - 10,200	XN	○	242,50
10,201 - 10,700	XN	○	256,90
10,701 - 11,200	XN	○	269,90
11,201 - 11,700	XN	○	283,70
11,701 - 12,200	XN	○	298,70
12,201 - 13,200	XN	○	313,50
13,201 - 14,200	XN	○	332,80
14,201 - 15,200	XN	○	358,80
15,201 - 16,200	XN	○	382,70
16,201 - 17,200	XN	○	407,40

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
17,201 - 18,200	XN	○	439,90
18,201 - 19,200	XN	○	470,10
19,201 - 20,200	XN	○	497,90

HNC-Speed I B043261, für Grundbohrung, innere Kühlmittelzufuhr
HNC-Speed I B043261, for blind bore, internal coolant supply

2,800 - 3,030	XN	○	139,60
3,031 - 3,350	XN	○	139,60
3,351 - 3,700	XN	○	139,60
3,701 - 4,200	XN	○	139,60
4,201 - 4,700	XN	○	145,70
4,701 - 5,200	XN	○	145,70
5,201 - 5,700	XN	○	149,90
5,701 - 6,200	XN	○	149,90
6,201 - 6,700	XN	○	149,90
6,701 - 7,200	XN	○	149,90
7,201 - 7,700	XN	○	157,80
7,701 - 8,200	XN	○	157,80
8,201 - 8,700	XN	○	179,90
8,701 - 9,200	XN	○	179,90
9,201 - 9,700	XN	○	179,90
9,701 - 10,200	XN	○	207,60
10,201 - 10,700	XN	○	266,50
10,701 - 11,200	XN	○	266,50
11,201 - 11,700	XN	○	266,50
11,701 - 12,200	XN	○	293,60
12,201 - 13,200	XN	○	294,00
13,201 - 14,200	XN	○	303,80
14,201 - 15,200	XN	○	303,80
15,201 - 16,200	XN	○	313,50
16,201 - 17,200	XN	○	313,50
17,201 - 18,200	XN	○	362,70
18,201 - 19,200	XN	○	362,70
19,201 - 20,200	XN	○	387,90

HNC-VA I B043271, für Grundbohrung, innere Kühlmittelzufuhr
HNC-VA I B043271, for blind bore, internal coolant supply

3,701 - 4,200	XN	○	139,60
4,201 - 4,700	XN	○	145,70
4,701 - 5,200	XN	○	145,70
5,201 - 5,700	XN	○	149,90
5,701 - 6,200	XN	○	149,90
6,201 - 6,700	XN	○	149,90
6,701 - 7,200	XN	○	149,90
7,201 - 7,700	XN	○	157,80
7,701 - 8,200	XN	○	157,80
8,201 - 8,700	XN	○	179,90
8,701 - 9,200	XN	○	179,90
9,201 - 9,700	XN	○	179,90
9,701 - 10,200	XN	○	207,60
10,201 - 10,700	XN	○	266,50
10,701 - 11,200	XN	○	266,50
11,201 - 11,700	XN	○	266,50
11,701 - 12,200	XN	○	293,60
12,201 - 13,200	XN	○	294,00
13,201 - 14,200	XN	○	303,80
14,201 - 15,200	XN	○	303,80
15,201 - 16,200	XN	○	313,50

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
16,201 - 17,200	XN	○	313,50
17,201 - 18,200	XN	○	362,70
18,201 - 19,200	XN	○	362,70
19,201 - 20,200	XN	○	387,90

HNC-TI I B043273, für Grundbohrung, innere Kühlmittelzufuhr
HNC-TI I B043273, for blind bore, internal coolant supply

3,701 - 4,200	XN	○	139,60
4,201 - 4,700	XN	○	145,70
4,701 - 5,200	XN	○	145,70
5,201 - 5,700	XN	○	149,90
5,701 - 6,200	XN	○	149,90
6,201 - 6,700	XN	○	149,90
6,701 - 7,200	XN	○	149,90
7,201 - 7,700	XN	○	157,80
7,701 - 8,200	XN	○	157,80
8,201 - 8,700	XN	○	179,90
8,701 - 9,200	XN	○	179,90
9,201 - 9,700	XN	○	179,90
9,701 - 10,200	XN	○	207,60
10,201 - 10,700	XN	○	266,50
10,701 - 11,200	XN	○	266,50
11,201 - 11,700	XN	○	266,50
11,701 - 12,200	XN	○	293,60
12,201 - 13,200	XN	○	294,00
13,201 - 14,200	XN	○	303,80
14,201 - 15,200	XN	○	303,80
15,201 - 16,200	XN	○	313,50
16,201 - 17,200	XN	○	313,50
17,201 - 18,200	XN	○	362,70
18,201 - 19,200	XN	○	362,70
19,201 - 20,200	XN	○	387,90

HNC-HT I B043281, für Grundbohrung, innere Kühlmittelzufuhr
HNC-HT I B043281, for blind bore, internal coolant supply

3,701 - 4,200	XN	○	139,60
4,201 - 4,700	XN	○	145,70
4,701 - 5,200	XN	○	145,70
5,201 - 5,700	XN	○	149,90
5,701 - 6,200	XN	○	149,90
6,201 - 6,700	XN	○	149,90
6,701 - 7,200	XN	○	149,90
7,201 - 7,700	XN	○	157,80
7,701 - 8,200	XN	○	157,80
8,201 - 8,700	XN	○	179,90
8,701 - 9,200	XN	○	179,90
9,201 - 9,700	XN	○	179,90
9,701 - 10,200	XN	○	207,60
10,201 - 10,700	XN	○	266,50
10,701 - 11,200	XN	○	266,50
11,201 - 11,700	XN	○	266,50
11,701 - 12,200	XN	○	293,60
12,201 - 13,200	XN	○	294,00
13,201 - 14,200	XN	○	303,80
14,201 - 15,200	XN	○	303,80
15,201 - 16,200	XN	○	313,50
16,201 - 17,200	XN	○	313,50
17,201 - 18,200	XN	○	362,70

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
18,201 - 19,200	XN	○	362,70
19,201 - 20,200	XN	○	387,90

HNC-Diamond I B043291, für Grundbohrung, innere Kühlmittelzufuhr
HNC-Diamond I B043291, for blind bore, internal coolant supply

3,701 - 4,200	XN	○	197,00
4,201 - 4,700	XN	○	220,60
4,701 - 5,200	XN	○	203,10
5,201 - 5,700	XN	○	222,10
5,701 - 6,200	XN	○	204,20
6,201 - 6,700	XN	○	213,80
6,701 - 7,200	XN	○	222,10
7,201 - 7,700	XN	○	233,90
7,701 - 8,200	XN	○	216,90
8,201 - 8,700	XN	○	245,40
8,701 - 9,200	XN	○	232,30
9,201 - 9,700	XN	○	245,40
9,701 - 10,200	XN	○	275,70
10,201 - 10,700	XN	○	332,60
10,701 - 11,200	XN	○	332,60
11,201 - 11,700	XN	○	332,60
11,701 - 12,200	XN	○	348,30
12,201 - 13,200	XN	○	366,50
13,201 - 14,200	XN	○	369,60
14,201 - 15,200	XN	○	369,60
15,201 - 16,200	XN	○	381,40
16,201 - 17,200	XN	○	381,40
17,201 - 18,200	XN	○	473,50
18,201 - 19,200	XN	○	473,50
19,201 - 20,200	XN	○	506,70

HNC-Short I B043265, für Grundbohrung, innere Kühlmittelzufuhr
HNC-Short I B043265, for blind bore, internal coolant supply

2,800 - 3,100	XN	○	116,60
3,101 - 3,350	XN	○	116,60
3,351 - 3,700	XN	○	116,60
3,701 - 4,050	XN	○	116,60
4,051 - 4,600	XN	○	121,40
4,601 - 5,100	XN	○	121,40
5,101 - 5,600	XN	○	124,80
5,601 - 6,100	XN	○	124,80
6,101 - 6,600	XN	○	124,80
6,601 - 7,100	XN	○	124,80
7,101 - 7,600	XN	○	131,60
7,601 - 8,100	XN	○	131,60
8,101 - 8,600	XN	○	141,60
8,601 - 9,100	XN	○	149,90
9,101 - 9,600	XN	○	149,90
9,601 - 10,100	XN	○	173,20
10,101 - 10,600	XN	○	222,10
10,601 - 11,100	XN	○	222,10
11,101 - 11,600	XN	○	222,10
11,601 - 12,100	XN	○	228,60
12,101 - 13,100	XN	○	244,90
13,101 - 14,100	XN	○	253,10
14,101 - 15,100	XN	○	253,10
15,101 - 16,100	XN	○	261,30
16,101 - 17,100	XN	○	261,30

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
17,101 - 18,100	XN	○	302,00
18,101 - 19,100	XN	○	302,00
19,101 - 20,100	XN	○	323,20

PcBN Reibahle I B040366, für Grundbohrung, innere Kühlmittelzufuhr
PcBN reamer I B040366, for blind bore, internal coolant supply

3,001 - 3,210	XX	○	369,50
3,211 - 3,710	XX	○	375,70
3,711 - 4,210	XX	○	447,10
4,211 - 4,710	XX	○	450,20
4,711 - 5,210	XX	○	461,60
5,211 - 5,710	XX	○	466,80
5,711 - 6,210	XX	○	568,20
6,211 - 6,710	XX	➲	574,40
6,711 - 7,210	XX	➲	577,50
7,211 - 7,710	XX	➲	592,00
7,711 - 8,210	XX	➲	731,80
8,211 - 8,710	XX	➲	732,80
8,711 - 9,210	XX	➲	736,90
9,211 - 9,710	XX	➲	746,20
9,711 - 10,200	XX	➲	884,90

HNC ecoSpeed I B033261, für Grundbohrung, innere Kühlmittelzufuhr
HNC ecoSpeed I B033261, for blind bore, internal coolant supply

6,000 - 6,700	XN	○	94,60
6,701 - 7,200	XN	○	98,00
7,201 - 7,700	XN	○	98,70
7,701 - 8,200	XN	○	99,40
8,201 - 8,700	XN	○	102,00
8,701 - 9,200	XN	○	104,00
9,201 - 9,700	XN	○	105,60
9,701 - 10,200	XN	○	106,70
10,201 - 10,700	XN	○	110,10
10,701 - 11,200	XN	○	113,20
11,201 - 11,700	XN	○	114,20
11,701 - 12,200	XN	○	114,80
12,201 - 13,200	XN	○	121,00
13,201 - 14,200	XN	○	127,20
14,201 - 15,200	XN	○	137,10
15,201 - 16,200	XN	○	140,70
16,201 - 17,200	XN	○	165,60
17,201 - 18,200	XN	○	166,60
18,201 - 19,200	XN	○	170,30
19,201 - 20,200	XN	○	173,00
20,201 - 21,200	XN	○	212,00
21,201 - 22,200	XN	○	212,70
22,201 - 23,200	XN	○	222,10
23,201 - 24,200	XN	○	222,40
24,201 - 25,200	XN	○	229,70
25,201 - 26,200	XN	○	230,20
26,201 - 27,200	XN	○	245,10
27,201 - 28,200	XN	○	253,20
28,201 - 29,200	XN	○	260,00
29,201 - 30,200	XN	○	267,80
30,201 - 31,200	XN	○	278,30
31,201 - 32,200	XN	○	278,70
32,201 - 33,200	XN	○	299,20
33,201 - 34,200	XN	○	307,70

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
34,201 - 35,200	XN	○	308,20
35,201 - 36,200	XN	○	318,00
36,201 - 37,200	XN	○	341,00
37,201 - 38,200	XN	○	354,20
38,201 - 39,200	XN	○	354,80
39,201 - 40,200	XN	○	355,30

Hochleistungsreibahlen MR, Vorzugsbaureihen mit Zylinderschaft
High-performance reamers MR, preferred series with cylindrical shank

MR 01 I B041610, für Durchgangsbohrung, feste Ausführung
MR 01 I B041610, for through bore, fixed design

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	H7	30480651	XR	○	270,80
8,50	H7	30480652	XR	○	270,80
9,00	H7	30480653	XR	○	270,80
9,50	H7	30480654	XR	○	270,80
10,00	H7	30480655	XR	○	297,70
10,50	H7	30480656	XR	○	297,70
11,00	H7	30480657	XR	○	297,70
11,50	H7	30480658	XR	○	297,70
12,00	H7	30480659	XR	○	303,40
12,50	H7	30480660	XR	○	303,40
13,00	H7	30480661	XR	○	303,40
14,00	H7	30479663	XR	○	303,40
15,00	H7	30480662	XR	○	303,40
16,00	H7	30480663	XR	○	303,40
17,00	H7	30480664	XR	○	303,40
18,00	H7	30480665	XR	○	344,20
19,00	H7	30480666	XR	○	344,20
20,00	H7	30480667	XR	○	344,20
21,00	H7	30480668	XR	○	344,20
22,00	H7	30400729	XR	○	344,20
23,00	H7	30480669	XR	○	344,20
24,00	H7	30480670	XR	○	344,20
25,00	H7	30480671	XR	○	344,20
26,00	H7	30480672	XR	○	344,20
27,00	H7	30400730	XR	○	344,20
28,00	H7	30480673	XR	○	367,60
29,00	H7	30480674	XR	○	367,60
30,00	H7	30480675	XR	○	408,30
31,00	H7	30480676	XR	○	408,30
32,00	H7	30480677	XR	○	408,30
33,00	H7	30480678	XR	○	408,30
34,00	H7	30480679	XR	○	408,30
35,00	H7	30480680	XR	○	408,30
36,00	H7	30480681	XR	○	408,30
37,00	H7	30480682	XR	○	408,30
38,00	H7	30480683	XR	○	408,30
39,00	H7	30480684	XR	○	408,30
40,00	H7	30480685	XR	○	408,30

MR 01 I B041611, für Durchgangsbohrung, feste Ausführung
MR 01 I B041611, for through bore, fixed design

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	H7	30480686	XR	○	285,90
8,50	H7	30480687	XR	○	285,90
9,00	H7	30480688	XR	○	285,90
9,50	H7	30480689	XR	○	285,90
10,00	H7	30480690	XR	○	315,10
10,50	H7	30480691	XR	○	315,10
11,00	H7	30480692	XR	○	315,10
11,50	H7	30480693	XR	○	315,10
12,00	H7	30480694	XR	○	323,10
12,50	H7	30480695	XR	○	323,10
13,00	H7	30480696	XR	○	323,10
14,00	H7	30480697	XR	○	323,10
15,00	H7	30480698	XR	○	323,10
16,00	H7	30480699	XR	○	323,10
17,00	H7	30480700	XR	○	323,10
18,00	H7	30480701	XR	○	367,60
19,00	H7	30480702	XR	○	367,60
20,00	H7	30480703	XR	○	367,60
21,00	H7	30480704	XR	○	367,60
22,00	H7	30480705	XR	○	367,60
23,00	H7	30480706	XR	○	367,60
24,00	H7	30480707	XR	○	367,60
25,00	H7	30480708	XR	○	367,60
26,00	H7	30480709	XR	○	367,60
27,00	H7	30480710	XR	○	367,60
28,00	H7	30480711	XR	○	391,00
29,00	H7	30480712	XR	○	391,00
30,00	H7	30480713	XR	○	437,70
31,00	H7	30480714	XR	○	437,70
32,00	H7	30477650	XR	○	437,70
33,00	H7	30480715	XR	○	437,70
34,00	H7	30480716	XR	○	437,70
35,00	H7	30480717	XR	○	437,70
36,00	H7	30480718	XR	○	437,70
37,00	H7	30480719	XR	○	437,70
38,00	H7	30480720	XR	○	437,70
39,00	H7	30480721	XR	○	437,70
40,00	H7	30480722	XR	○	437,70

MR 01 I B041612, für Durchgangsbohrung, feste Ausführung
MR 01 I B041612, for through bore, fixed design

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	H7	30480723	XR	○	285,90
8,50	H7	30480724	XR	○	285,90
9,00	H7	30480725	XR	○	285,90
9,50	H7	30480726	XR	○	285,90
10,00	H7	30480727	XR	○	315,10
10,50	H7	30480728	XR	○	315,10
11,00	H7	30480729	XR	○	315,10
11,50	H7	30480730	XR	○	315,10
12,00	H7	30480731	XR	○	323,10
12,50	H7	30480732	XR	○	323,10
13,00	H7	30480733	XR	○	323,10
14,00	H7	30480734	XR	○	323,10
15,00	H7	30480735	XR	○	323,10
16,00	H7	30480736	XR	○	323,10
17,00	H7	30480737	XR	○	323,10
18,00	H7	30480738	XR	○	367,60
19,00	H7	30480739	XR	○	367,60
20,00	H7	30480740	XR	○	367,60
21,00	H7	30480741	XR	○	367,60
22,00	H7	30480742	XR	○	367,60
23,00	H7	30480743	XR	○	367,60
24,00	H7	30480744	XR	○	367,60
25,00	H7	30480745	XR	○	367,60

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
26,00	H7	30480746	XR	○	367,60
27,00	H7	30480747	XR	○	367,60
28,00	H7	30480748	XR	○	391,00
29,00	H7	30480749	XR	○	391,00
30,00	H7	30480750	XR	○	437,70
31,00	H7	30480751	XR	○	437,70
32,00	H7	30480752	XR	○	437,70
33,00	H7	30480753	XR	○	437,70
34,00	H7	30480754	XR	○	437,70
35,00	H7	30480755	XR	○	437,70
36,00	H7	30480756	XR	○	437,70
37,00	H7	30480757	XR	○	437,70
38,00	H7	30480758	XR	○	437,70
39,00	H7	30480759	XR	○	437,70
40,00	H7	30480760	XR	○	437,70

MR 01 I B041613, für Durchgangsbohrung, feste Ausführung
MR 01 I B041613, for through bore, fixed design

8,00	H7	30480761	XR	○	303,40
8,50	H7	30480762	XR	○	303,40
9,00	H7	30480763	XR	○	303,40
9,50	H7	30480764	XR	○	303,40
10,00	H7	30480765	XR	○	334,80
10,50	H7	30480766	XR	○	334,80
11,00	H7	30480767	XR	○	334,80
11,50	H7	30480768	XR	○	334,80
12,00	H7	30480769	XR	○	341,90
12,50	H7	30480770	XR	○	341,90
13,00	H7	30480771	XR	○	341,90
14,00	H7	30480772	XR	○	341,90
15,00	H7	30480773	XR	○	341,90
16,00	H7	30480774	XR	○	341,90
17,00	H7	30480775	XR	○	341,90
18,00	H7	30480776	XR	○	389,70
19,00	H7	30480777	XR	○	389,70
20,00	H7	30480778	XR	○	389,70
21,00	H7	30480779	XR	○	389,70
22,00	H7	30480780	XR	○	389,70
23,00	H7	30480781	XR	○	389,70
24,00	H7	30480782	XR	○	389,70
25,00	H7	30480783	XR	○	389,70
26,00	H7	30480784	XR	○	389,70
27,00	H7	30480785	XR	○	389,70
28,00	H7	30480786	XR	○	415,50
29,00	H7	30480787	XR	○	415,50
30,00	H7	30480788	XR	○	464,40
31,00	H7	30480789	XR	○	464,40
32,00	H7	30480790	XR	○	464,40
33,00	H7	30480791	XR	○	464,40
34,00	H7	30480792	XR	○	464,40
35,00	H7	30480793	XR	○	464,40
36,00	H7	30480794	XR	○	464,40
37,00	H7	30480795	XR	○	464,40
38,00	H7	30480796	XR	○	464,40
39,00	H7	30480797	XR	○	464,40
40,00	H7	30480798	XR	○	464,40

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €

MR 02 I B041710, für Durchgangsbohrung, dehnbare Ausführung
MR 02 I B041710, for through bore, expandable design

8,00	H7	30481120	XR	○	320,90
8,50	H7	30481121	XR	○	320,90
9,00	H7	30481122	XR	○	320,90
9,50	H7	30481123	XR	○	320,90
10,00	H7	30481124	XR	○	356,00
10,50	H7	30481125	XR	○	356,00
11,00	H7	30481126	XR	○	356,00
11,50	H7	30481127	XR	○	356,00
12,00	H7	30481128	XR	○	363,00
12,50	H7	30481129	XR	○	363,00
13,00	H7	30481130	XR	○	363,00
14,00	H7	30481131	XR	○	363,00
15,00	H7	30481132	XR	○	363,00
16,00	H7	30481133	XR	○	363,00
17,00	H7	30481134	XR	○	363,00
18,00	H7	30481135	XR	○	408,30
19,00	H7	30481136	XR	○	408,30
20,00	H7	30481137	XR	○	408,30
21,00	H7	30481138	XR	○	408,30
22,00	H7	30481139	XR	○	408,30
23,00	H7	30481140	XR	○	408,30
24,00	H7	30481141	XR	○	408,30
25,00	H7	30481142	XR	○	408,30
26,00	H7	30481143	XR	○	408,30
27,00	H7	30481144	XR	○	408,30
28,00	H7	30481145	XR	○	440,90
29,00	H7	30481146	XR	○	440,90
30,00	H7	30481147	XR	○	490,10
31,00	H7	30481148	XR	○	490,10
32,00	H7	30481149	XR	○	490,10
33,00	H7	30481150	XR	○	490,10
34,00	H7	30481151	XR	○	490,10
35,00	H7	30481152	XR	○	490,10
36,00	H7	30481153	XR	○	490,10
37,00	H7	30481154	XR	○	490,10
38,00	H7	30481155	XR	○	490,10
39,00	H7	30481156	XR	○	490,10
40,00	H7	30481157	XR	○	490,10

MR 02 I B041711, für Durchgangsbohrung, dehnbare Ausführung
MR 02 I B041711, for through bore, expandable design

8,00	H7	30481158	XR	○	334,80
8,50	H7	30481159	XR	○	334,80
9,00	H7	30481160	XR	○	334,80
9,50	H7	30481161	XR	○	334,80
10,00	H7	30481162	XR	○	369,90
10,50	H7	30481163	XR	○	369,90
11,00	H7	30481164	XR	○	369,90
11,50	H7	30481165	XR	○	369,90
12,00	H7	30481166	XR	○	379,20
12,50	H7	30481167	XR	○	379,20
13,00	H7	30481168	XR	○	379,20
14,00	H7	30481169	XR	○	379,20
15,00	H7	30680275	XR	○	379,20

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Material-gruppe Material group	Verfüg-barkeit Availa-bility	Preis pro Stück € Price per piece €
16,00	H7	30481171	XR	○	379,20
17,00	H7	30481172	XR	○	379,20
18,00	H7	30481173	XR	○	431,80
19,00	H7	30481174	XR	○	431,80
20,00	H7	30481175	XR	○	431,80
21,00	H7	30481176	XR	○	431,80
22,00	H7	30481177	XR	○	431,80
23,00	H7	30481178	XR	○	431,80
24,00	H7	30481179	XR	○	431,80
25,00	H7	30481180	XR	○	431,80
26,00	H7	30481181	XR	○	431,80
27,00	H7	30481182	XR	○	431,80
28,00	H7	30481183	XR	○	459,80
29,00	H7	30481184	XR	○	459,80
30,00	H7	30481185	XR	○	514,50
31,00	H7	30481186	XR	○	514,50
32,00	H7	30481187	XR	○	514,50
33,00	H7	30481188	XR	○	514,50
34,00	H7	30481189	XR	○	514,50
35,00	H7	30481190	XR	○	514,50
36,00	H7	30481191	XR	○	514,50
37,00	H7	30481192	XR	○	514,50
38,00	H7	30481193	XR	○	514,50
39,00	H7	30481194	XR	○	514,50
40,00	H7	30481195	XR	○	514,50

MR 02 | B041712, für Durchgangsbohrung, dehnbare Ausführung
MR 02 | B041712, for through bore, expandable design

8,00	H7	30481196	XR	○	334,80
8,50	H7	30481197	XR	○	334,80
9,00	H7	30481198	XR	○	334,80
9,50	H7	30481199	XR	○	334,80
10,00	H7	30481200	XR	○	369,90
10,50	H7	30481201	XR	○	369,90
11,00	H7	30481202	XR	○	369,90
11,50	H7	30481203	XR	○	369,90
12,00	H7	30481204	XR	○	379,20
12,50	H7	30481205	XR	○	379,20
13,00	H7	30481206	XR	○	379,20
14,00	H7	30481207	XR	○	379,20
15,00	H7	30481208	XR	○	379,20
16,00	H7	30481209	XR	○	379,20
17,00	H7	30481210	XR	○	379,20
18,00	H7	30481211	XR	○	431,80
19,00	H7	30481212	XR	○	431,80
20,00	H7	30481213	XR	○	431,80
21,00	H7	30481214	XR	○	431,80
22,00	H7	30481215	XR	○	431,80
23,00	H7	30481216	XR	○	431,80
24,00	H7	30481217	XR	○	431,80
25,00	H7	30481218	XR	○	431,80
26,00	H7	30481219	XR	○	431,80
27,00	H7	30481220	XR	○	431,80
28,00	H7	30481221	XR	○	459,80
29,00	H7	30481222	XR	○	459,80
30,00	H7	30481223	XR	○	514,50
31,00	H7	30481224	XR	○	514,50
32,00	H7	30481225	XR	○	514,50
33,00	H7	30481226	XR	○	514,50
34,00	H7	30481227	XR	○	514,50
35,00	H7	30481228	XR	○	514,50
36,00	H7	30481229	XR	○	514,50
37,00	H7	30481230	XR	○	514,50
38,00	H7	30481231	XR	○	514,50
39,00	H7	30481232	XR	○	514,50
40,00	H7	30481233	XR	○	514,50

MR 02 | B041713, für Durchgangsbohrung, dehnbare Ausführung
MR 02 | B041713, for through bore, expandable design

8,00	H7	30481234	XR	○	353,60
8,50	H7	30481235	XR	○	353,60
9,00	H7	30481236	XR	○	353,60
9,50	H7	30481237	XR	○	353,60
10,00	H7	30481238	XR	○	392,10
10,50	H7	30481239	XR	○	392,10
11,00	H7	30481240	XR	○	392,10
11,50	H7	30481241	XR	○	392,10
12,00	H7	30481242	XR	○	402,60
12,50	H7	30481243	XR	○	402,60
13,00	H7	30481244	XR	○	402,60
14,00	H7	30481245	XR	○	402,60
15,00	H7	30481246	XR	○	402,60
16,00	H7	30481247	XR	○	402,60
17,00	H7	30481248	XR	○	402,60
18,00	H7	30481249	XR	○	457,50
19,00	H7	30481250	XR	○	457,50
20,00	H7	30488593	XR	○	457,50
21,00	H7	30481252	XR	○	457,50
22,00	H7	30481253	XR	○	457,50
23,00	H7	30481254	XR	○	457,50
24,00	H7	30481255	XR	○	457,50
25,00	H7	30481256	XR	○	457,50
26,00	H7	30481257	XR	○	457,50
27,00	H7	30481258	XR	○	457,50
28,00	H7	30481259	XR	○	491,10
29,00	H7	30481260	XR	○	491,10
30,00	H7	30481261	XR	○	546,10
31,00	H7	30481262	XR	○	546,10
32,00	H7	30481263	XR	○	546,10
33,00	H7	30481264	XR	○	546,10
34,00	H7	30481265	XR	○	546,10
35,00	H7	30481266	XR	○	546,10
36,00	H7	30481267	XR	○	546,10
37,00	H7	30481268	XR	○	546,10
38,00	H7	30481269	XR	○	546,10
39,00	H7	30481270	XR	○	546,10
40,00	H7	30481271	XR	○	546,10

MR 03 | B041810, für Durchgangsbohrung, feinjustierbare Ausführung
MR 03 | B041810, for through bore, fine adjustable design

8,00	H7	30481579	XR	○	375,80
8,50	H7	30481580	XR	○	375,80
9,00	H7	30481581	XR	○	375,80
9,50	H7	30481582	XR	○	375,80
10,00	H7	30481583	XR	○	415,50
10,50	H7	30481584	XR	○	415,50

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
11,00	H7	30481585	XR	○	415,50
11,50	H7	30481586	XR	○	415,50
12,00	H7	30481587	XR	○	424,70
12,50	H7	30481588	XR	○	424,70
13,00	H7	30481589	XR	○	424,70
14,00	H7	30481590	XR	○	424,70
15,00	H7	30481591	XR	○	424,70
16,00	H7	30481592	XR	○	424,70
17,00	H7	30481593	XR	○	424,70
18,00	H7	30481594	XR	○	484,30
19,00	H7	30481595	XR	○	484,30
20,00	H7	30481596	XR	○	484,30
21,00	H7	30481597	XR	○	484,30
22,00	H7	30481598	XR	○	484,30
23,00	H7	30481600	XR	○	484,30
24,00	H7	30481601	XR	○	484,30
25,00	H7	30481602	XR	○	484,30
26,00	H7	30481603	XR	○	484,30
27,00	H7	30481604	XR	○	484,30
28,00	H7	30481605	XR	○	520,40
29,00	H7	30481606	XR	○	520,40
30,00	H7	30481607	XR	○	578,80
31,00	H7	30481608	XR	○	578,80
32,00	H7	30481609	XR	○	578,80
33,00	H7	30481610	XR	○	578,80
34,00	H7	30481611	XR	○	578,80
35,00	H7	30481612	XR	○	578,80
36,00	H7	30481613	XR	○	578,80
37,00	H7	30481614	XR	○	578,80
38,00	H7	30481615	XR	○	578,80
39,00	H7	30481616	XR	○	578,80
40,00	H7	30481617	XR	○	578,80

MR 03 I B041811, für Durchgangsbohrung, feinjustierbare Ausführung
MR 03 I B041811, for through bore, fine adjustable design

8,00	H7	30481618	XR	○	394,20
8,50	H7	30481619	XR	○	394,20
9,00	H7	30481620	XR	○	394,20
9,50	H7	30481621	XR	○	394,20
10,00	H7	30481622	XR	○	437,70
10,50	H7	30481623	XR	○	437,70
11,00	H7	30481624	XR	○	437,70
11,50	H7	30481625	XR	○	437,70
12,00	H7	30481626	XR	○	443,30
12,50	H7	30481627	XR	○	443,30
13,00	H7	30481628	XR	○	443,30
14,00	H7	30481629	XR	○	443,30
15,00	H7	30481630	XR	○	443,30
16,00	H7	30481631	XR	○	443,30
17,00	H7	30481632	XR	○	443,30
18,00	H7	30481633	XR	○	508,90
19,00	H7	30481634	XR	○	508,90
20,00	H7	30481635	XR	○	508,90
21,00	H7	30481636	XR	○	508,90
22,00	H7	30481637	XR	○	508,90
23,00	H7	30481638	XR	○	508,90
24,00	H7	30481639	XR	○	508,90
25,00	H7	30481640	XR	○	508,90
26,00	H7	30481641	XR	○	508,90
27,00	H7	30481642	XR	○	508,90
28,00	H7	30481643	XR	○	542,70
29,00	H7	30481644	XR	○	542,70
30,00	H7	30481645	XR	○	603,20
31,00	H7	30481646	XR	○	603,20
32,00	H7	30481647	XR	○	603,20
33,00	H7	30481648	XR	○	603,20
34,00	H7	30481649	XR	○	603,20
35,00	H7	30481650	XR	○	603,20
36,00	H7	30481651	XR	○	603,20
37,00	H7	30481652	XR	○	603,20
38,00	H7	30481653	XR	○	603,20
39,00	H7	30481654	XR	○	603,20
40,00	H7	30481655	XR	○	603,20

MR 03 I B041812, für Durchgangsbohrung, feinjustierbare Ausführung
MR 03 I B041812, for through bore, fine adjustable design

8,00	H7	30481656	XR	○	394,20
8,50	H7	30481657	XR	○	394,20
9,00	H7	30481658	XR	○	394,20
9,50	H7	30481659	XR	○	394,20
10,00	H7	30481660	XR	○	437,70
10,50	H7	30481661	XR	○	437,70
11,00	H7	30481662	XR	○	437,70
11,50	H7	30481663	XR	○	437,70
12,00	H7	30481664	XR	○	443,30
12,50	H7	30481665	XR	○	443,30
13,00	H7	30481666	XR	○	443,30
14,00	H7	30481667	XR	○	443,30
15,00	H7	30481668	XR	○	443,30
16,00	H7	30481669	XR	○	443,30
17,00	H7	30481670	XR	○	443,30
18,00	H7	30481671	XR	○	508,90
19,00	H7	30481672	XR	○	508,90
20,00	H7	30481673	XR	○	508,90
21,00	H7	30481674	XR	○	508,90
22,00	H7	30481675	XR	○	508,90
23,00	H7	30481676	XR	○	508,90
24,00	H7	30481677	XR	○	508,90
25,00	H7	30481678	XR	○	508,90
26,00	H7	30481679	XR	○	508,90
27,00	H7	30481680	XR	○	508,90
28,00	H7	30481681	XR	○	542,70
29,00	H7	30481682	XR	○	542,70
30,00	H7	30481683	XR	○	603,20
31,00	H7	30481684	XR	○	603,20
32,00	H7	30481685	XR	○	603,20
33,00	H7	30481686	XR	○	603,20
34,00	H7	30481687	XR	○	603,20
35,00	H7	30481688	XR	○	603,20
36,00	H7	30481689	XR	○	603,20
37,00	H7	30481690	XR	○	603,20
38,00	H7	30481691	XR	○	603,20
39,00	H7	30481692	XR	○	603,20
40,00	H7	30481693	XR	○	603,20

MR 03 I B041813, für Durchgangsbohrung, feinjustierbare Ausführung
MR 03 I B041813, for through bore, fine adjustable design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group		Verfügbarkeit Availability		Preis pro Stück € Price per piece €
8,00	H7	30481694	XR	○	417,60
8,50	H7	30481695	XR	○	417,60
9,00	H7	30481696	XR	○	417,60
9,50	H7	30481697	XR	○	417,60
10,00	H7	30481698	XR	○	461,90
10,50	H7	30481699	XR	○	461,90
11,00	H7	30481700	XR	○	461,90
11,50	H7	30481701	XR	○	461,90
12,00	H7	30481702	XR	○	471,40
12,50	H7	30481703	XR	○	471,40
13,00	H7	30481704	XR	○	471,40
14,00	H7	30481705	XR	○	471,40
15,00	H7	30481706	XR	○	471,40
16,00	H7	30481707	XR	○	471,40
17,00	H7	30481708	XR	○	471,40
18,00	H7	30481709	XR	○	539,20
19,00	H7	30481710	XR	○	539,20
20,00	H7	30481711	XR	○	539,20
21,00	H7	30481712	XR	○	539,20
22,00	H7	30481713	XR	○	539,20
23,00	H7	30481714	XR	○	539,20
24,00	H7	30481715	XR	○	539,20
25,00	H7	30481716	XR	○	539,20
26,00	H7	30481717	XR	○	539,20
27,00	H7	30481718	XR	○	539,20
28,00	H7	30481719	XR	○	574,10
29,00	H7	30481720	XR	○	574,10
30,00	H7	30481721	XR	○	642,90
31,00	H7	30481722	XR	○	642,90
32,00	H7	30481723	XR	○	642,90
33,00	H7	30481724	XR	○	642,90
34,00	H7	30481725	XR	○	642,90
35,00	H7	30481726	XR	○	642,90
36,00	H7	30481727	XR	○	642,90
37,00	H7	30481728	XR	○	642,90
38,00	H7	30481729	XR	○	642,90
39,00	H7	30481730	XR	○	642,90
40,00	H7	30481731	XR	○	642,90

Hochleistungsreibahlen MR, konfigurierbare Baureihen mit Zylinderschaft
High-performance reamers MR, configurable series with cylindrical shank

MR 01 I B041610, für Durchgangsbohrung, feste Ausführung
MR 01 I B041610, for through bore, fixed design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
7,700 - 8,200	XR	○	270,80
8,201 - 8,700	XR	○	270,80
8,701 - 9,200	XR	○	270,80
9,201 - 9,700	XR	○	270,80
9,701 - 10,200	XR	○	297,70
10,201 - 10,700	XR	○	297,70
10,701 - 11,200	XR	○	297,70
11,201 - 11,700	XR	○	297,70
11,701 - 12,200	XR	○	303,40
12,201 - 12,700	XR	○	303,40
12,701 - 13,200	XR	○	303,40
13,201 - 14,200	XR	○	303,40
14,201 - 15,200	XR	○	303,40
15,201 - 16,200	XR	○	303,40
16,201 - 17,200	XR	○	303,40
17,201 - 18,200	XR	○	344,20
18,201 - 19,200	XR	○	344,20
19,201 - 20,200	XR	○	344,20
20,201 - 21,200	XR	○	344,20
21,201 - 22,200	XR	○	344,20
22,201 - 23,200	XR	○	344,20
23,201 - 24,200	XR	○	344,20
24,201 - 25,200	XR	○	344,20
25,201 - 26,200	XR	○	344,20
26,201 - 27,200	XR	○	344,20
27,201 - 28,200	XR	○	367,60
28,201 - 29,200	XR	○	367,60
29,201 - 30,200	XR	○	408,30
30,201 - 31,200	XR	○	408,30
31,201 - 32,200	XR	○	408,30
32,201 - 33,200	XR	○	408,30
33,201 - 34,200	XR	○	408,30
34,201 - 35,200	XR	○	408,30
35,201 - 36,200	XR	○	408,30
36,201 - 37,200	XR	○	408,30
37,201 - 38,200	XR	○	408,30
38,201 - 39,200	XR	○	408,30
39,201 - 40,200	XR	○	408,30

MR 01 I B041611, für Durchgangsbohrung, feste Ausführung
MR 01 I B041611, for through bore, fixed design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
7,700 - 8,200	XR	○	285,90
8,201 - 8,700	XR	○	285,90
8,701 - 9,200	XR	○	285,90
9,201 - 9,700	XR	○	285,90
9,701 - 10,200	XR	○	315,10
10,201 - 10,700	XR	○	315,10
10,701 - 11,200	XR	○	315,10
11,201 - 11,700	XR	○	315,10
11,701 - 12,200	XR	○	323,10
12,201 - 12,700	XR	○	323,10
12,701 - 13,200	XR	○	323,10
13,201 - 14,200	XR	○	323,10

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
14,201 - 15,200	XR	○	323,10
15,201 - 16,200	XR	○	323,10
16,201 - 17,200	XR	○	323,10
17,201 - 18,200	XR	○	367,60
18,201 - 19,200	XR	○	367,60
19,201 - 20,200	XR	○	367,60
20,201 - 21,200	XR	○	367,60
21,201 - 22,200	XR	○	367,60
22,201 - 23,200	XR	○	367,60
23,201 - 24,200	XR	○	367,60
24,201 - 25,200	XR	○	367,60
25,201 - 26,200	XR	○	367,60
26,201 - 27,200	XR	○	367,60
27,201 - 28,200	XR	○	391,00
28,201 - 29,200	XR	○	391,00
29,201 - 30,200	XR	○	437,70
30,201 - 31,200	XR	○	437,70
31,201 - 32,200	XR	○	437,70
32,201 - 33,200	XR	○	437,70
33,201 - 34,200	XR	○	437,70
34,201 - 35,200	XR	○	437,70
35,201 - 36,200	XR	○	437,70
36,201 - 37,200	XR	○	437,70
37,201 - 38,200	XR	○	437,70
38,201 - 39,200	XR	○	437,70
39,201 - 40,200	XR	○	437,70

MR 01 I B041612, für Durchgangsbohrung, feste Ausführung
MR 01 I B041612, for through bore, fixed design

7,700 - 8,200	XR	○	285,90
8,201 - 8,700	XR	○	285,90
8,701 - 9,200	XR	○	285,90
9,201 - 9,700	XR	○	285,90
9,701 - 10,200	XR	○	315,10
10,201 - 10,700	XR	○	315,10
10,701 - 11,200	XR	○	315,10
11,201 - 11,700	XR	○	315,10
11,701 - 12,200	XR	○	323,10
12,201 - 12,700	XR	○	323,10
12,701 - 13,200	XR	○	323,10
13,201 - 14,200	XR	○	323,10
14,201 - 15,200	XR	○	323,10
15,201 - 16,200	XR	○	323,10
16,201 - 17,200	XR	○	323,10
17,201 - 18,200	XR	○	367,60
18,201 - 19,200	XR	○	367,60
19,201 - 20,200	XR	○	367,60
20,201 - 21,200	XR	○	367,60
21,201 - 22,200	XR	○	367,60
22,201 - 23,200	XR	○	367,60
23,201 - 24,200	XR	○	367,60
24,201 - 25,200	XR	○	367,60
25,201 - 26,200	XR	○	367,60
26,201 - 27,200	XR	○	367,60
27,201 - 28,200	XR	○	391,00
28,201 - 29,200	XR	○	391,00
29,201 - 30,200	XR	○	437,70
30,201 - 31,200	XR	○	437,70

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
31,201 - 32,200	XR	○	437,70
32,201 - 33,200	XR	○	437,70
33,201 - 34,200	XR	○	437,70
34,201 - 35,200	XR	○	437,70
35,201 - 36,200	XR	○	437,70
36,201 - 37,200	XR	○	437,70
37,201 - 38,200	XR	○	437,70
38,201 - 39,200	XR	○	437,70
39,201 - 40,200	XR	○	437,70

MR 01 I B041613, für Durchgangsbohrung, feste Ausführung
MR 01 I B041613, for through bore, fixed design

7,700 - 8,200	XR	○	303,40
8,201 - 8,700	XR	○	303,40
8,701 - 9,200	XR	○	303,40
9,201 - 9,700	XR	○	303,40
9,701 - 10,200	XR	○	334,80
10,201 - 10,700	XR	○	334,80
10,701 - 11,200	XR	○	334,80
11,201 - 11,700	XR	○	334,80
11,701 - 12,200	XR	○	341,90
12,201 - 12,700	XR	○	341,90
12,701 - 13,200	XR	○	341,90
13,201 - 14,200	XR	○	341,90
14,201 - 15,200	XR	○	341,90
15,201 - 16,200	XR	○	341,90
16,201 - 17,200	XR	○	341,90
17,201 - 18,200	XR	○	389,70
18,201 - 19,200	XR	○	389,70
19,201 - 20,200	XR	○	389,70
20,201 - 21,200	XR	○	389,70
21,201 - 22,200	XR	○	389,70
22,201 - 23,200	XR	○	389,70
23,201 - 24,200	XR	○	389,70
24,201 - 25,200	XR	○	389,70
25,201 - 26,200	XR	○	389,70
26,201 - 27,200	XR	○	389,70
27,201 - 28,200	XR	○	415,50
28,201 - 29,200	XR	○	415,50
29,201 - 30,200	XR	○	464,40
30,201 - 31,200	XR	○	464,40
31,201 - 32,200	XR	○	464,40
32,201 - 33,200	XR	○	464,40
33,201 - 34,200	XR	○	464,40
34,201 - 35,200	XR	○	464,40
35,201 - 36,200	XR	○	464,40
36,201 - 37,200	XR	○	464,40
37,201 - 38,200	XR	○	464,40
38,201 - 39,200	XR	○	464,40
39,201 - 40,200	XR	○	464,40

MR 02 I B041710, für Durchgangsbohrung, dehnbare Ausführung
MR 02 I 041710, for through bore, expandable design

7,700 - 8,200	XR	○	320,90
8,201 - 8,700	XR	○	320,90
8,701 - 9,200	XR	○	320,90
9,201 - 9,700	XR	○	320,90
9,701 - 10,200	XR	○	356,00

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
10,201 - 10,700	XR	○	356,00
10,701 - 11,200	XR	○	356,00
11,201 - 11,700	XR	○	356,00
11,701 - 12,200	XR	○	363,00
12,201 - 12,700	XR	○	363,00
12,701 - 13,200	XR	○	363,00
13,201 - 14,200	XR	○	363,00
14,201 - 15,200	XR	○	363,00
15,201 - 16,200	XR	○	363,00
16,201 - 17,200	XR	○	363,00
17,201 - 18,200	XR	○	408,30
18,201 - 19,200	XR	○	408,30
19,201 - 20,200	XR	○	408,30
20,201 - 21,200	XR	○	408,30
21,201 - 22,200	XR	○	408,30
22,201 - 23,200	XR	○	408,30
23,201 - 24,200	XR	○	408,30
24,201 - 25,200	XR	○	408,30
25,201 - 26,200	XR	○	408,30
26,201 - 27,200	XR	○	408,30
27,201 - 28,200	XR	○	440,90
28,201 - 29,200	XR	○	440,90
29,201 - 30,200	XR	○	490,10
30,201 - 31,200	XR	○	490,10
31,201 - 32,200	XR	○	490,10
32,201 - 33,200	XR	○	490,10
33,201 - 34,200	XR	○	490,10
34,201 - 35,200	XR	○	490,10
35,201 - 36,200	XR	○	490,10
36,201 - 37,200	XR	○	490,10
37,201 - 38,200	XR	○	490,10
38,201 - 39,200	XR	○	490,10
39,201 - 40,200	XR	○	490,10

MR 02 I B041711, für Durchgangsbohrung, dehnbare Ausführung
MR 02 I B041711, for through bore, expandable design

7,700 - 8,200	XR	○	334,80
8,201 - 8,700	XR	○	334,80
8,701 - 9,200	XR	○	334,80
9,201 - 9,700	XR	○	334,80
9,701 - 10,200	XR	○	369,90
10,201 - 10,700	XR	○	369,90
10,701 - 11,200	XR	○	369,90
11,201 - 11,700	XR	○	369,90
11,701 - 12,200	XR	○	379,20
12,201 - 12,700	XR	○	379,20
12,701 - 13,200	XR	○	379,20
13,201 - 14,200	XR	○	379,20
14,201 - 15,200	XR	○	379,20
15,201 - 16,200	XR	○	379,20
16,201 - 17,200	XR	○	379,20
17,201 - 18,200	XR	○	431,80
18,201 - 19,200	XR	○	431,80
19,201 - 20,200	XR	○	431,80
20,201 - 21,200	XR	○	431,80
21,201 - 22,200	XR	○	431,80
22,201 - 23,200	XR	○	431,80

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
23,201 - 24,200	XR	○	431,80
24,201 - 25,200	XR	○	431,80
25,201 - 26,200	XR	○	431,80
26,201 - 27,200	XR	○	431,80
27,201 - 28,200	XR	○	459,80
28,201 - 29,200	XR	○	459,80
29,201 - 30,200	XR	○	514,50
30,201 - 31,200	XR	○	514,50
31,201 - 32,200	XR	○	514,50
32,201 - 33,200	XR	○	514,50
33,201 - 34,200	XR	○	514,50
34,201 - 35,200	XR	○	514,50
35,201 - 36,200	XR	○	514,50
36,201 - 37,200	XR	○	514,50
37,201 - 38,200	XR	○	514,50
38,201 - 39,200	XR	○	514,50
39,201 - 40,200	XR	○	514,50

MR 02 I B041712, für Durchgangsbohrung, dehnbare Ausführung
MR 02 I B041712, for through bore, expandable design

7,700 - 8,200	XR	○	334,80
8,201 - 8,700	XR	○	334,80
8,701 - 9,200	XR	○	334,80
9,201 - 9,700	XR	○	334,80
9,701 - 10,200	XR	○	369,90
10,201 - 10,700	XR	○	369,90
10,701 - 11,200	XR	○	369,90
11,201 - 11,700	XR	○	369,90
11,701 - 12,200	XR	○	379,20
12,201 - 12,700	XR	○	379,20
12,701 - 13,200	XR	○	379,20
13,201 - 14,200	XR	○	379,20
14,201 - 15,200	XR	○	379,20
15,201 - 16,200	XR	○	379,20
16,201 - 17,200	XR	○	379,20
17,201 - 18,200	XR	○	431,80
18,201 - 19,200	XR	○	431,80
19,201 - 20,200	XR	○	431,80
20,201 - 21,200	XR	○	431,80
21,201 - 22,200	XR	○	431,80
22,201 - 23,200	XR	○	431,80
23,201 - 24,200	XR	○	431,80
24,201 - 25,200	XR	○	431,80
25,201 - 26,200	XR	○	431,80
26,201 - 27,200	XR	○	431,80
27,201 - 28,200	XR	○	459,80
28,201 - 29,200	XR	○	459,80
29,201 - 30,200	XR	○	514,50
30,201 - 31,200	XR	○	514,50
31,201 - 32,200	XR	○	514,50
32,201 - 33,200	XR	○	514,50
33,201 - 34,200	XR	○	514,50
34,201 - 35,200	XR	○	514,50
35,201 - 36,200	XR	○	514,50
36,201 - 37,200	XR	○	514,50
37,201 - 38,200	XR	○	514,50
38,201 - 39,200	XR	○	514,50
39,201 - 40,200	XR	○	514,50

MR 02 | B041713, für Durchgangsbohrung, dehnbare Ausführung
MR 02 | B041713, for through bore, expandable design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
7,700 - 8,200	XR	○	353,60
8,201 - 8,700	XR	○	353,60
8,701 - 9,200	XR	○	353,60
9,201 - 9,700	XR	○	353,60
9,701 - 10,200	XR	○	392,10
10,201 - 10,700	XR	○	392,10
10,701 - 11,200	XR	○	392,10
11,201 - 11,700	XR	○	392,10
11,701 - 12,200	XR	○	402,60
12,201 - 12,700	XR	○	402,60
12,701 - 13,200	XR	○	402,60
13,201 - 14,200	XR	○	402,60
14,201 - 15,200	XR	○	402,60
15,201 - 16,200	XR	○	402,60
16,201 - 17,200	XR	○	402,60
17,201 - 18,200	XR	○	457,50
18,201 - 19,200	XR	○	457,50
19,201 - 20,200	XR	○	457,50
20,201 - 21,200	XR	○	457,50
21,201 - 22,200	XR	○	457,50
22,201 - 23,200	XR	○	457,50
23,201 - 24,200	XR	○	457,50
24,201 - 25,200	XR	○	457,50
25,201 - 26,200	XR	○	457,50
26,201 - 27,200	XR	○	457,50
27,201 - 28,200	XR	○	491,10
28,201 - 29,200	XR	○	491,10
29,201 - 30,200	XR	○	546,10
30,201 - 31,200	XR	○	546,10
31,201 - 32,200	XR	○	546,10
32,201 - 33,200	XR	○	546,10
33,201 - 34,200	XR	○	546,10
34,201 - 35,200	XR	○	546,10
35,201 - 36,200	XR	○	546,10
36,201 - 37,200	XR	○	546,10
37,201 - 38,200	XR	○	546,10
38,201 - 39,200	XR	○	546,10
39,201 - 40,200	XR	○	546,10

MR 03 | B041810, für Durchgangsbohrung, feinjustierbare Ausführung
MR 03 | B041810, for through bore, fine adjustable design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
7,700 - 8,200	XR	○	375,80
8,201 - 8,700	XR	○	375,80
8,701 - 9,200	XR	○	375,80
9,201 - 9,700	XR	○	375,80
9,701 - 10,200	XR	○	415,50
10,201 - 10,700	XR	○	415,50
10,701 - 11,200	XR	○	415,50
11,201 - 11,700	XR	○	415,50
11,701 - 12,200	XR	○	424,70
12,201 - 12,700	XR	○	424,70
12,701 - 13,200	XR	○	424,70
13,201 - 14,200	XR	○	424,70
14,201 - 15,200	XR	○	424,70
15,201 - 16,200	XR	○	424,70
16,201 - 17,200	XR	○	424,70
17,201 - 18,200	XR	○	484,30
18,201 - 19,200	XR	○	484,30
19,201 - 20,200	XR	○	484,30
20,201 - 21,200	XR	○	484,30
21,201 - 22,200	XR	○	484,30
22,201 - 23,200	XR	○	484,30
23,201 - 24,200	XR	○	484,30
24,201 - 25,200	XR	○	484,30
25,201 - 26,200	XR	○	484,30
26,201 - 27,200	XR	○	484,30
27,201 - 28,200	XR	○	520,40
28,201 - 29,200	XR	○	520,40
29,201 - 30,200	XR	○	578,80
30,201 - 31,200	XR	○	578,80
31,201 - 32,200	XR	○	578,80
32,201 - 33,200	XR	○	578,80
33,201 - 34,200	XR	○	578,80
34,201 - 35,200	XR	○	578,80
35,201 - 36,200	XR	○	578,80
36,201 - 37,200	XR	○	578,80
37,201 - 38,200	XR	○	578,80
38,201 - 39,200	XR	○	578,80
39,201 - 40,200	XR	○	578,80

MR 03 | B041811, für Durchgangsbohrung, feinjustierbare Ausführung
MR 03 | B041811, for through bore, fine adjustable design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
7,700 - 8,200	XR	○	394,20
8,201 - 8,700	XR	○	394,20
8,701 - 9,200	XR	○	394,20
9,201 - 9,700	XR	○	394,20
9,701 - 10,200	XR	○	437,70
10,201 - 10,700	XR	○	437,70
10,701 - 11,200	XR	○	437,70
11,201 - 11,700	XR	○	437,70
11,701 - 12,200	XR	○	443,30
12,201 - 12,700	XR	○	443,30
12,701 - 13,200	XR	○	443,30
13,201 - 14,200	XR	○	443,30
14,201 - 15,200	XR	○	443,30
15,201 - 16,200	XR	○	443,30
16,201 - 17,200	XR	○	443,30
17,201 - 18,200	XR	○	508,90
18,201 - 19,200	XR	○	508,90
19,201 - 20,200	XR	○	508,90
20,201 - 21,200	XR	○	508,90
21,201 - 22,200	XR	○	508,90
22,201 - 23,200	XR	○	508,90
23,201 - 24,200	XR	○	508,90
24,201 - 25,200	XR	○	508,90
25,201 - 26,200	XR	○	508,90
26,201 - 27,200	XR	○	508,90
27,201 - 28,200	XR	○	542,70
28,201 - 29,200	XR	○	542,70
29,201 - 30,200	XR	○	603,20
30,201 - 31,200	XR	○	603,20
31,201 - 32,200	XR	○	603,20
32,201 - 33,200	XR	○	603,20

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
33,201 - 34,200	XR	○	603,20
34,201 - 35,200	XR	○	603,20
35,201 - 36,200	XR	○	603,20
36,201 - 37,200	XR	○	603,20
37,201 - 38,200	XR	○	603,20
38,201 - 39,200	XR	○	603,20
39,201 - 40,200	XR	○	603,20

MR 03 I B041812, für Durchgangsbohrung, feinjustierbare Ausführung
MR 03 I B041812, for through bore, fine adjustable design

7,700 - 8,200	XR	○	394,20
8,201 - 8,700	XR	○	394,20
8,701 - 9,200	XR	○	394,20
9,201 - 9,700	XR	○	394,20
9,701 - 10,200	XR	○	437,70
10,201 - 10,700	XR	○	437,70
10,701 - 11,200	XR	○	437,70
11,201 - 11,700	XR	○	437,70
11,701 - 12,200	XR	○	443,30
12,201 - 12,700	XR	○	443,30
12,701 - 13,200	XR	○	443,30
13,201 - 14,200	XR	○	443,30
14,201 - 15,200	XR	○	443,30
15,201 - 16,200	XR	○	443,30
16,201 - 17,200	XR	○	443,30
17,201 - 18,200	XR	○	508,90
18,201 - 19,200	XR	○	508,90
19,201 - 20,200	XR	○	508,90
20,201 - 21,200	XR	○	508,90
21,201 - 22,200	XR	○	508,90
22,201 - 23,200	XR	○	508,90
23,201 - 24,200	XR	○	508,90
24,201 - 25,200	XR	○	508,90
25,201 - 26,200	XR	○	508,90
26,201 - 27,200	XR	○	508,90
27,201 - 28,200	XR	○	542,70
28,201 - 29,200	XR	○	542,70
29,201 - 30,200	XR	○	603,20
30,201 - 31,200	XR	○	603,20
31,201 - 32,200	XR	○	603,20
32,201 - 33,200	XR	○	603,20
33,201 - 34,200	XR	○	603,20
34,201 - 35,200	XR	○	603,20
35,201 - 36,200	XR	○	603,20
36,201 - 37,200	XR	○	603,20
37,201 - 38,200	XR	○	603,20
38,201 - 39,200	XR	○	603,20
39,201 - 40,200	XR	○	603,20

MR 03 I B041813, für Durchgangsbohrung, feinjustierbare Ausführung
MR 03 I B041813, for through bore, fine adjustable design

7,700 - 8,200	XR	○	417,60
8,201 - 8,700	XR	○	417,60
8,701 - 9,200	XR	○	417,60
9,201 - 9,700	XR	○	417,60
9,701 - 10,200	XR	○	461,90
10,201 - 10,700	XR	○	461,90
10,701 - 11,200	XR	○	461,90

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
11,201 - 11,700	XR	○	461,90
11,701 - 12,200	XR	○	471,40
12,201 - 12,700	XR	○	471,40
12,701 - 13,200	XR	○	471,40
13,201 - 14,200	XR	○	471,40
14,201 - 15,200	XR	○	471,40
15,201 - 16,200	XR	○	471,40
16,201 - 17,200	XR	○	471,40
17,201 - 18,200	XR	○	539,20
18,201 - 19,200	XR	○	539,20
19,201 - 20,200	XR	○	539,20
20,201 - 21,200	XR	○	539,20
21,201 - 22,200	XR	○	539,20
22,201 - 23,200	XR	○	539,20
23,201 - 24,200	XR	○	539,20
24,201 - 25,200	XR	○	539,20
25,201 - 26,200	XR	○	539,20
26,201 - 27,200	XR	○	539,20
27,201 - 28,200	XR	○	574,10
28,201 - 29,200	XR	○	574,10
29,201 - 30,200	XR	○	642,90
30,201 - 31,200	XR	○	642,90
31,201 - 32,200	XR	○	642,90
32,201 - 33,200	XR	○	642,90
33,201 - 34,200	XR	○	642,90
34,201 - 35,200	XR	○	642,90
35,201 - 36,200	XR	○	642,90
36,201 - 37,200	XR	○	642,90
37,201 - 38,200	XR	○	642,90
38,201 - 39,200	XR	○	642,90
39,201 - 40,200	XR	○	642,90

Hochleistungsreibahlen MR, Vorzugsbaureihen mit Zylinderschaft
High-performance reamers MR, preferred series with cylindrical shank

MR 01 | B041650, für Grundbohrung, feste Ausführung
MR 01 | B041650, for blind bore, fixed design

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	H7	30480799	XR	○	270,80
8,50	H7	30480800	XR	○	270,80
9,00	H7	30480801	XR	○	270,80
9,50	H7	30480802	XR	○	270,80
10,00	H7	30480803	XR	○	297,70
10,50	H7	30480804	XR	○	297,70
11,00	H7	30480805	XR	○	297,70
11,50	H7	30480806	XR	○	297,70
12,00	H7	30480807	XR	○	303,40
12,50	H7	30480808	XR	○	303,40
13,00	H7	30480809	XR	○	303,40
14,00	H7	30480810	XR	○	303,40
15,00	H7	30480811	XR	○	303,40
16,00	H7	30480812	XR	○	303,40
17,00	H7	30480813	XR	○	303,40
18,00	H7	30480814	XR	○	344,20
19,00	H7	30480815	XR	○	344,20
20,00	H7	30480816	XR	○	344,20
21,00	H7	30480817	XR	○	344,20
22,00	H7	30480818	XR	○	344,20
23,00	H7	30480819	XR	○	344,20
24,00	H7	30480820	XR	○	344,20
25,00	H7	30480821	XR	○	344,20
26,00	H7	30480822	XR	○	344,20
27,00	H7	30480823	XR	○	344,20
28,00	H7	30480824	XR	○	367,60
29,00	H7	30480825	XR	○	367,60
30,00	H7	30480826	XR	○	408,30
31,00	H7	30480827	XR	○	408,30
32,00	H7	30480828	XR	○	408,30
33,00	H7	30480829	XR	○	408,30
34,00	H7	30480830	XR	○	408,30
35,00	H7	30480831	XR	○	408,30
36,00	H7	30480832	XR	○	408,30
37,00	H7	30480833	XR	○	408,30
38,00	H7	30480834	XR	○	408,30
39,00	H7	30480835	XR	○	408,30
40,00	H7	30480836	XR	○	408,30

MR 01 | B041651, für Grundbohrung, feste Ausführung
MR 01 | B041651, for blind bore, fixed design

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	H7	30480837	XR	○	285,90
8,50	H7	30480838	XR	○	285,90
9,00	H7	30480839	XR	○	285,90
9,50	H7	30480840	XR	○	285,90
10,00	H7	30480841	XR	○	315,10
10,50	H7	30480842	XR	○	315,10
11,00	H7	30480843	XR	○	315,10
11,50	H7	30480844	XR	○	315,10
12,00	H7	30480845	XR	○	323,10
12,50	H7	30480846	XR	○	323,10
13,00	H7	30480847	XR	○	323,10
14,00	H7	30480848	XR	○	323,10
15,00	H7	30480849	XR	○	323,10
16,00	H7	30480850	XR	○	323,10
17,00	H7	30480851	XR	○	323,10
18,00	H7	30480852	XR	○	367,60
19,00	H7	30480853	XR	○	367,60
20,00	H7	30480854	XR	○	367,60
21,00	H7	30480855	XR	○	367,60
22,00	H7	30480856	XR	○	367,60
23,00	H7	30480857	XR	○	367,60
24,00	H7	30480858	XR	○	367,60
25,00	H7	30480859	XR	○	367,60
26,00	H7	30480860	XR	○	367,60
27,00	H7	30480861	XR	○	367,60
28,00	H7	30480862	XR	○	391,00
29,00	H7	30480863	XR	○	391,00
30,00	H7	30480864	XR	○	437,70
31,00	H7	30480865	XR	○	437,70
32,00	H7	30480866	XR	○	437,70
33,00	H7	30480867	XR	○	437,70
34,00	H7	30480868	XR	○	437,70
35,00	H7	30480869	XR	○	437,70
36,00	H7	30480870	XR	○	437,70
37,00	H7	30480871	XR	○	437,70
38,00	H7	30480872	XR	○	437,70
39,00	H7	30480873	XR	○	437,70
40,00	H7	30480874	XR	○	437,70

MR 01 | B041652, für Grundbohrung, feste Ausführung
MR 01 | B041652, for blind bore, fixed design

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	H7	30480875	XR	○	285,90
8,50	H7	30480876	XR	○	285,90
9,00	H7	30480877	XR	○	285,90
9,50	H7	30480878	XR	○	285,90
10,00	H7	30480879	XR	○	315,10
10,50	H7	30480880	XR	○	315,10
11,00	H7	30480881	XR	○	315,10
11,50	H7	30480882	XR	○	315,10
12,00	H7	30480883	XR	○	323,10
12,50	H7	30480884	XR	○	323,10
13,00	H7	30480885	XR	○	323,10
14,00	H7	30480886	XR	○	323,10
15,00	H7	30480887	XR	○	323,10
16,00	H7	30480888	XR	○	323,10
17,00	H7	30480889	XR	○	323,10
18,00	H7	30480890	XR	○	367,60
19,00	H7	30480891	XR	○	367,60
20,00	H7	30480892	XR	○	367,60
21,00	H7	30480893	XR	○	367,60
22,00	H7	30480894	XR	○	367,60
23,00	H7	30480895	XR	○	367,60
24,00	H7	30480896	XR	○	367,60
25,00	H7	30480897	XR	○	367,60
26,00	H7	30480898	XR	○	367,60
27,00	H7	30480899	XR	○	367,60
28,00	H7	30480900	XR	○	391,00
29,00	H7	30480901	XR	○	391,00
30,00	H7	30480902	XR	○	437,70
31,00	H7	30480903	XR	○	437,70

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Material-gruppe Material group	Verfüg-barkeit Availa-bility	Preis pro Stück € Price per piece €
32,00	H7	30480904	XR	○	437,70
33,00	H7	30480905	XR	○	437,70
34,00	H7	30480906	XR	○	437,70
35,00	H7	30480907	XR	○	437,70
36,00	H7	30480908	XR	○	437,70
37,00	H7	30480909	XR	○	437,70
38,00	H7	30480910	XR	○	437,70
39,00	H7	30480911	XR	○	437,70
40,00	H7	30480912	XR	○	437,70

MR 01 I B041653, für Grundbohrung, feste Ausführung
MR 01 I B041653, for blind bore, fixed design

8,00	H7	30480913	XR	○	303,40
8,50	H7	30480914	XR	○	303,40
9,00	H7	30480915	XR	○	303,40
9,50	H7	30480916	XR	○	303,40
10,00	H7	30480917	XR	○	334,80
10,50	H7	30480918	XR	○	334,80
11,00	H7	30480919	XR	○	334,80
11,50	H7	30480920	XR	○	334,80
12,00	H7	30480921	XR	○	341,90
12,50	H7	30480922	XR	○	341,90
13,00	H7	30480923	XR	○	341,90
14,00	H7	30480924	XR	○	341,90
15,00	H7	30480925	XR	○	341,90
16,00	H7	30480926	XR	○	341,90
17,00	H7	30480927	XR	○	341,90
18,00	H7	30480928	XR	○	389,70
19,00	H7	30480929	XR	○	389,70
20,00	H7	30480930	XR	○	389,70
21,00	H7	30480931	XR	○	389,70
22,00	H7	30480932	XR	○	389,70
23,00	H7	30480933	XR	○	389,70
24,00	H7	30480934	XR	○	389,70
25,00	H7	30480935	XR	○	389,70
26,00	H7	30480936	XR	○	389,70
27,00	H7	30480937	XR	○	389,70
28,00	H7	30480938	XR	○	415,50
29,00	H7	30480939	XR	○	415,50
30,00	H7	30480940	XR	○	464,40
31,00	H7	30480941	XR	○	464,40
32,00	H7	30480942	XR	○	464,40
33,00	H7	30480943	XR	○	464,40
34,00	H7	30480944	XR	○	464,40
35,00	H7	30480945	XR	○	464,40
36,00	H7	30480946	XR	○	464,40
37,00	H7	30480947	XR	○	464,40
38,00	H7	30480948	XR	○	464,40
39,00	H7	30480949	XR	○	464,40
40,00	H7	30480950	XR	○	464,40

MR 02 I B041750, für Grundbohrung, dehnbare Ausführung
MR 02 I B041750, for blind bore, expandable design

8,00	H7	30481272	XR	○	320,90
8,50	H7	30481273	XR	○	320,90
9,00	H7	30481274	XR	○	320,90
9,50	H7	30481275	XR	○	320,90
10,00	H7	30481276	XR	○	356,00
10,50	H7	30481277	XR	○	356,00
11,00	H7	30481278	XR	○	356,00
11,50	H7	30481279	XR	○	356,00
12,00	H7	30481280	XR	○	363,00
12,50	H7	30481281	XR	○	363,00
13,00	H7	30481282	XR	○	363,00
14,00	H7	30481283	XR	○	363,00
15,00	H7	30481284	XR	○	363,00
16,00	H7	30481285	XR	○	363,00
17,00	H7	30481286	XR	○	363,00
18,00	H7	30481287	XR	○	408,30
19,00	H7	30481288	XR	○	408,30
20,00	H7	30481289	XR	○	408,30
21,00	H7	30481290	XR	○	408,30
22,00	H7	30481291	XR	○	408,30
23,00	H7	30481292	XR	○	408,30
24,00	H7	30481293	XR	○	408,30
25,00	H7	30481294	XR	○	408,30
26,00	H7	30481295	XR	○	408,30
27,00	H7	30481296	XR	○	408,30
28,00	H7	30481297	XR	○	440,90
29,00	H7	30481298	XR	○	440,90
30,00	H7	30481299	XR	○	490,10
31,00	H7	30481300	XR	○	490,10
32,00	H7	30481301	XR	○	490,10
33,00	H7	30481302	XR	○	490,10
34,00	H7	30481303	XR	○	490,10
35,00	H7	30481304	XR	○	490,10
36,00	H7	30481305	XR	○	490,10
37,00	H7	30481306	XR	○	490,10
38,00	H7	30481307	XR	○	490,10
39,00	H7	30481308	XR	○	490,10
40,00	H7	30481309	XR	○	490,10

MR 02 I B041751, für Grundbohrung, dehnbare Ausführung
MR 02 I B041751, for blind bore, expandable design

8,00	H7	30481310	XR	○	334,80
8,50	H7	30481311	XR	○	334,80
9,00	H7	30481312	XR	○	334,80
9,50	H7	30481313	XR	○	334,80
10,00	H7	30481314	XR	○	369,90
10,50	H7	30481315	XR	○	369,90
11,00	H7	30481316	XR	○	369,90
11,50	H7	30481317	XR	○	369,90
12,00	H7	30481318	XR	○	379,20
12,50	H7	30481319	XR	○	379,20
13,00	H7	30481320	XR	○	379,20
14,00	H7	30481321	XR	○	379,20
15,00	H7	30481322	XR	○	379,20
16,00	H7	30481323	XR	○	379,20
17,00	H7	30481324	XR	○	379,20
18,00	H7	30481325	XR	○	431,80
19,00	H7	30481326	XR	○	431,80
20,00	H7	30481327	XR	○	431,80
21,00	H7	30481328	XR	○	431,80
22,00	H7	30481329	XR	○	431,80
23,00	H7	30481330	XR	○	431,80

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
24,00	H7	30481331	XR	○	431,80
25,00	H7	30481332	XR	○	431,80
26,00	H7	30481333	XR	○	431,80
27,00	H7	30481334	XR	○	431,80
28,00	H7	30481335	XR	○	459,80
29,00	H7	30481336	XR	○	459,80
30,00	H7	30481337	XR	○	514,50
31,00	H7	30481338	XR	○	514,50
32,00	H7	30481339	XR	○	514,50
33,00	H7	30481341	XR	○	514,50
34,00	H7	30481342	XR	○	514,50
35,00	H7	30481343	XR	○	514,50
36,00	H7	30481344	XR	○	514,50
37,00	H7	30481345	XR	○	514,50
38,00	H7	30481346	XR	○	514,50
39,00	H7	30481347	XR	○	514,50
40,00	H7	30481348	XR	○	514,50

MR 02 I B041752, für Grundbohrung, dehnbare Ausführung
MR 02 I B041752, for blind bore, expandable design

8,00	H7	30481349	XR	○	334,80
8,50	H7	30481350	XR	○	334,80
9,00	H7	30481351	XR	○	334,80
9,50	H7	30481352	XR	○	334,80
10,00	H7	30481353	XR	○	369,90
10,50	H7	30481354	XR	○	369,90
11,00	H7	30481355	XR	○	369,90
11,50	H7	30481356	XR	○	369,90
12,00	H7	30481357	XR	○	379,20
12,50	H7	30481358	XR	○	379,20
13,00	H7	30481359	XR	○	379,20
14,00	H7	30481360	XR	○	379,20
15,00	H7	30481361	XR	○	379,20
16,00	H7	30481362	XR	○	379,20
17,00	H7	30481363	XR	○	379,20
18,00	H7	30481364	XR	○	431,80
19,00	H7	30481365	XR	○	431,80
20,00	H7	30481366	XR	○	431,80
21,00	H7	30481367	XR	○	431,80
22,00	H7	30481368	XR	○	431,80
23,00	H7	30481369	XR	○	431,80
24,00	H7	30481370	XR	○	431,80
25,00	H7	30481371	XR	○	431,80
26,00	H7	30481372	XR	○	431,80
27,00	H7	30481373	XR	○	431,80
28,00	H7	30481374	XR	○	459,80
29,00	H7	30481375	XR	○	459,80
30,00	H7	30481376	XR	○	514,50
31,00	H7	30481377	XR	○	514,50
32,00	H7	30481378	XR	○	514,50
33,00	H7	30481379	XR	○	514,50
34,00	H7	30481380	XR	○	514,50
35,00	H7	30481381	XR	○	514,50
36,00	H7	30481382	XR	○	514,50
37,00	H7	30481383	XR	○	514,50
38,00	H7	30481384	XR	○	514,50
39,00	H7	30481385	XR	○	514,50
40,00	H7	30481386	XR	○	514,50

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €

MR 02 I B041753, für Grundbohrung, dehnbare Ausführung
MR 02 I B041753, for blind bore, expandable design

8,00	H7	30481387	XR	○	353,60
8,50	H7	30481388	XR	○	353,60
9,00	H7	30481389	XR	○	353,60
9,50	H7	30481390	XR	○	353,60
10,00	H7	30481391	XR	○	392,10
10,50	H7	30481392	XR	○	392,10
11,00	H7	30481393	XR	○	392,10
11,50	H7	30481394	XR	○	392,10
12,00	H7	30481395	XR	○	402,60
12,50	H7	30481396	XR	○	402,60
13,00	H7	30481397	XR	○	402,60
14,00	H7	30481398	XR	○	402,60
15,00	H7	30481399	XR	○	402,60
16,00	H7	30481400	XR	○	402,60
17,00	H7	30481401	XR	○	402,60
18,00	H7	30481402	XR	○	457,50
19,00	H7	30481403	XR	○	457,50
20,00	H7	30481404	XR	○	457,50
21,00	H7	30481405	XR	○	457,50
22,00	H7	30481406	XR	○	457,50
23,00	H7	30481407	XR	○	457,50
24,00	H7	30481408	XR	○	457,50
25,00	H7	30481409	XR	○	457,50
26,00	H7	30481410	XR	○	457,50
27,00	H7	30481411	XR	○	457,50
28,00	H7	30481412	XR	○	491,10
29,00	H7	30481413	XR	○	491,10
30,00	H7	30481414	XR	○	546,10
31,00	H7	30481415	XR	○	546,10
32,00	H7	30481416	XR	○	546,10
33,00	H7	30481417	XR	○	546,10
34,00	H7	30481418	XR	○	546,10
35,00	H7	30481419	XR	○	546,10
36,00	H7	30481420	XR	○	546,10
37,00	H7	30481421	XR	○	546,10
38,00	H7	30481422	XR	○	546,10
39,00	H7	30481423	XR	○	546,10
40,00	H7	30481424	XR	○	546,10

MR 03 I B041850, für Grundbohrung, feinjustierbare Ausführung
MR 03 I B041850, for blind bore, fine adjustable design

8,00	H7	30481732	XR	○	375,80
8,50	H7	30481733	XR	○	375,80
9,00	H7	30481734	XR	○	375,80
9,50	H7	30481735	XR	○	375,80
10,00	H7	30481736	XR	○	415,50
10,50	H7	30481737	XR	○	415,50
11,00	H7	30481738	XR	○	415,50
11,50	H7	30481739	XR	○	415,50
12,00	H7	30481740	XR	○	424,70
12,50	H7	30481741	XR	○	424,70
13,00	H7	30481742	XR	○	424,70
14,00	H7	30481743	XR	○	424,70
15,00	H7	30481744	XR	○	424,70
16,00	H7	30481745	XR	○	424,70

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
17,00	H7	30481746	XR	○	424,70
18,00	H7	30481747	XR	○	484,30
19,00	H7	30481748	XR	○	484,30
20,00	H7	30481749	XR	○	484,30
21,00	H7	30481750	XR	○	484,30
22,00	H7	30481751	XR	○	484,30
23,00	H7	30481752	XR	○	484,30
24,00	H7	30481753	XR	○	484,30
25,00	H7	30481754	XR	○	484,30
26,00	H7	30481755	XR	○	484,30
27,00	H7	30481756	XR	○	484,30
28,00	H7	30481757	XR	○	520,40
29,00	H7	30481758	XR	○	520,40
30,00	H7	30481759	XR	○	578,80
31,00	H7	30481760	XR	○	578,80
32,00	H7	30481761	XR	○	578,80
33,00	H7	30481762	XR	○	578,80
34,00	H7	30481763	XR	○	578,80
35,00	H7	30481764	XR	○	578,80
36,00	H7	30481765	XR	○	578,80
37,00	H7	30481766	XR	○	578,80
38,00	H7	30481767	XR	○	578,80
39,00	H7	30481768	XR	○	578,80
40,00	H7	30481769	XR	○	578,80

MR 03 I B041851, für Grundbohrung, feinjustierbare Ausführung
MR 03 I B041851, for blind bore, fine adjustable design

8,00	H7	30481770	XR	○	394,20
8,50	H7	30481771	XR	○	394,20
9,00	H7	30481772	XR	○	394,20
9,50	H7	30481773	XR	○	394,20
10,00	H7	30481774	XR	○	437,70
10,50	H7	30481775	XR	○	437,70
11,00	H7	30481776	XR	○	437,70
11,50	H7	30481777	XR	○	437,70
12,00	H7	30481778	XR	○	443,30
12,50	H7	30481779	XR	○	443,30
13,00	H7	30481780	XR	○	443,30
14,00	H7	30481781	XR	○	443,30
15,00	H7	30481782	XR	○	443,30
16,00	H7	30481783	XR	○	443,30
17,00	H7	30481784	XR	○	443,30
18,00	H7	30481785	XR	○	508,90
19,00	H7	30481786	XR	○	508,90
20,00	H7	30481787	XR	○	508,90
21,00	H7	30481788	XR	○	508,90
22,00	H7	30481789	XR	○	508,90
23,00	H7	30481790	XR	○	508,90
24,00	H7	30481791	XR	○	508,90
25,00	H7	30481792	XR	○	508,90
26,00	H7	30481793	XR	○	508,90
27,00	H7	30481794	XR	○	508,90
28,00	H7	30481795	XR	○	542,70
29,00	H7	30481796	XR	○	542,70
30,00	H7	30481797	XR	○	603,20
31,00	H7	30481798	XR	○	603,20
32,00	H7	30481799	XR	○	603,20
33,00	H7	30481800	XR	○	603,20
34,00	H7	30481801	XR	○	603,20
35,00	H7	30481802	XR	○	603,20
36,00	H7	30481803	XR	○	603,20
37,00	H7	30481804	XR	○	603,20
38,00	H7	30481805	XR	○	603,20
39,00	H7	30481806	XR	○	603,20
40,00	H7	30481807	XR	○	603,20

MR 03 I B041852,für Grundbohrung, feinjustierbare Ausführung
MR 03 I B041852, for blind bore, fine adjustable design

8,00	H7	30481808	XR	○	394,20
8,50	H7	30481809	XR	○	394,20
9,00	H7	30481810	XR	○	394,20
9,50	H7	30481811	XR	○	394,20
10,00	H7	30481812	XR	○	437,70
10,50	H7	30481813	XR	○	437,70
11,00	H7	30481814	XR	○	437,70
11,50	H7	30481815	XR	○	437,70
12,00	H7	30481816	XR	○	443,30
12,50	H7	30481817	XR	○	443,30
13,00	H7	30481818	XR	○	443,30
14,00	H7	30481819	XR	○	443,30
15,00	H7	30481820	XR	○	443,30
16,00	H7	30481821	XR	○	443,30
17,00	H7	30481822	XR	○	443,30
18,00	H7	30481823	XR	○	508,90
19,00	H7	30481824	XR	○	508,90
20,00	H7	30481825	XR	○	508,90
21,00	H7	30481826	XR	○	508,90
22,00	H7	30481827	XR	○	508,90
23,00	H7	30481828	XR	○	508,90
24,00	H7	30481829	XR	○	508,90
25,00	H7	30481830	XR	○	508,90
26,00	H7	30481831	XR	○	508,90
27,00	H7	30481832	XR	○	508,90
28,00	H7	30481833	XR	○	542,70
29,00	H7	30481834	XR	○	542,70
30,00	H7	30481835	XR	○	603,20
31,00	H7	30481836	XR	○	603,20
32,00	H7	30481837	XR	○	603,20
33,00	H7	30481838	XR	○	603,20
34,00	H7	30481839	XR	○	603,20
35,00	H7	30481840	XR	○	603,20
36,00	H7	30481841	XR	○	603,20
37,00	H7	30481842	XR	○	603,20
38,00	H7	30481843	XR	○	603,20
39,00	H7	30481844	XR	○	603,20
40,00	H7	30481845	XR	○	603,20

MR 03 I B041853, für Grundbohrung, feinjustierbare Ausführung
MR 03 I B041853, for blind bore, fine adjustable design

8,00	H7	30481846	XR	○	417,60
8,50	H7	30481847	XR	○	417,60
9,00	H7	30481848	XR	○	417,60
9,50	H7	30481849	XR	○	417,60
10,00	H7	30481850	XR	○	461,90
10,50	H7	30481851	XR	○	461,90
11,00	H7	30481853	XR	○	461,90

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
11,50	H7	30481854	XR	○	461,90
12,00	H7	30481855	XR	○	471,40
12,50	H7	30481856	XR	○	471,40
13,00	H7	30481857	XR	○	471,40
14,00	H7	30481858	XR	○	471,40
15,00	H7	30481859	XR	○	471,40
16,00	H7	30481860	XR	○	471,40
17,00	H7	30481861	XR	○	471,40
18,00	H7	30481862	XR	○	539,20
19,00	H7	30481863	XR	○	539,20
20,00	H7	30481864	XR	○	539,20
21,00	H7	30481865	XR	○	539,20
22,00	H7	30481866	XR	○	539,20
23,00	H7	30481867	XR	○	539,20
24,00	H7	30481868	XR	○	539,20
25,00	H7	30481869	XR	○	539,20
26,00	H7	30481870	XR	○	539,20
27,00	H7	30481871	XR	○	539,20
28,00	H7	30481872	XR	○	574,10
29,00	H7	30481873	XR	○	574,10
30,00	H7	30481874	XR	○	642,90
31,00	H7	30481875	XR	○	642,90
32,00	H7	30481876	XR	○	642,90
33,00	H7	30481877	XR	○	642,90
34,00	H7	30481878	XR	○	642,90
35,00	H7	30481879	XR	○	642,90
36,00	H7	30481880	XR	○	642,90
37,00	H7	30481881	XR	○	642,90
38,00	H7	30481882	XR	○	642,90
39,00	H7	30481883	XR	○	642,90
40,00	H7	30481884	XR	○	642,90

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €

Hochleistungsreibahlen MR, konfigurierbare Baureihen mit Zylinderschaft
High-performance reamers MR, configurable series with cylindrical shank

MR 01 I B041650, für Grundbohrung, feste Ausführung
MR 01 I B041650, for blind bore, fixed design

7,700 - 8,200	XR	○	270,80
8,201 - 8,700	XR	○	270,80
8,701 - 9,200	XR	○	270,80
9,201 - 9,700	XR	○	270,80
9,701 - 10,200	XR	○	297,70
10,201 - 10,700	XR	○	297,70
10,701 - 11,200	XR	○	297,70
11,201 - 11,700	XR	○	297,70
11,701 - 12,200	XR	○	303,40
12,201 - 12,700	XR	○	303,40
12,701 - 13,200	XR	○	303,40
13,201 - 14,200	XR	○	303,40
14,201 - 15,200	XR	○	303,40
15,201 - 16,200	XR	○	303,40
16,201 - 17,200	XR	○	303,40
17,201 - 18,200	XR	○	344,20
18,201 - 19,200	XR	○	344,20
19,201 - 20,200	XR	○	344,20
20,201 - 21,200	XR	○	344,20
21,201 - 22,200	XR	○	344,20
22,201 - 23,200	XR	○	344,20
23,201 - 24,200	XR	○	344,20
24,201 - 25,200	XR	○	344,20
25,201 - 26,200	XR	○	344,20
26,201 - 27,200	XR	○	344,20
27,201 - 28,200	XR	○	367,60
28,201 - 29,200	XR	○	367,60
29,201 - 30,200	XR	○	408,30
30,201 - 31,200	XR	○	408,30
31,201 - 32,200	XR	○	408,30
32,201 - 33,200	XR	○	408,30
33,201 - 34,200	XR	○	408,30
34,201 - 35,200	XR	○	408,30
35,201 - 36,200	XR	○	408,30
36,201 - 37,200	XR	○	408,30
37,201 - 38,200	XR	○	408,30
38,201 - 39,200	XR	○	408,30
39,201 - 40,200	XR	○	408,30

MR 01 I B041651, für Grundbohrung, feste Ausführung
MR 01 I B041651, for blind bore, fixed design

7,700 - 8,200	XR	○	285,90
8,201 - 8,700	XR	○	285,90
8,701 - 9,200	XR	○	285,90
9,201 - 9,700	XR	○	285,90
9,701 - 10,200	XR	○	315,10
10,201 - 10,700	XR	○	315,10
10,701 - 11,200	XR	○	315,10
11,201 - 11,700	XR	○	315,10
11,701 - 12,200	XR	○	323,10
12,201 - 12,700	XR	○	323,10
12,701 - 13,200	XR	○	323,10
13,201 - 14,200	XR	○	323,10

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
14,201 - 15,200	XR	○	323,10
15,201 - 16,200	XR	○	323,10
16,201 - 17,200	XR	○	323,10
17,201 - 18,200	XR	○	367,60
18,201 - 19,200	XR	○	367,60
19,201 - 20,200	XR	○	367,60
20,201 - 21,200	XR	○	367,60
21,201 - 22,200	XR	○	367,60
22,201 - 23,200	XR	○	367,60
23,201 - 24,200	XR	○	367,60
24,201 - 25,200	XR	○	367,60
25,201 - 26,200	XR	○	367,60
26,201 - 27,200	XR	○	367,60
27,201 - 28,200	XR	○	391,00
28,201 - 29,200	XR	○	391,00
29,201 - 30,200	XR	○	437,70
30,201 - 31,200	XR	○	437,70
31,201 - 32,200	XR	○	437,70
32,201 - 33,200	XR	○	437,70
33,201 - 34,200	XR	○	437,70
34,201 - 35,200	XR	○	437,70
35,201 - 36,200	XR	○	437,70
36,201 - 37,200	XR	○	437,70
37,201 - 38,200	XR	○	437,70
38,201 - 39,200	XR	○	437,70
39,201 - 40,200	XR	○	437,70

MR 01 I B041652, für Grundbohrung, feste Ausführung
MR 01 I B041652, for blind bore, fixed design

7,700 - 8,200	XR	○	285,90
8,201 - 8,700	XR	○	285,90
8,701 - 9,200	XR	○	285,90
9,201 - 9,700	XR	○	285,90
9,701 - 10,200	XR	○	315,10
10,201 - 10,700	XR	○	315,10
10,701 - 11,200	XR	○	315,10
11,201 - 11,700	XR	○	315,10
11,701 - 12,200	XR	○	323,10
12,201 - 12,700	XR	○	323,10
12,701 - 13,200	XR	○	323,10
13,201 - 14,200	XR	○	323,10
14,201 - 15,200	XR	○	323,10
15,201 - 16,200	XR	○	323,10
16,201 - 17,200	XR	○	323,10
17,201 - 18,200	XR	○	367,60
18,201 - 19,200	XR	○	367,60
19,201 - 20,200	XR	○	367,60
20,201 - 21,200	XR	○	367,60
21,201 - 22,200	XR	○	367,60
22,201 - 23,200	XR	○	367,60
23,201 - 24,200	XR	○	367,60
24,201 - 25,200	XR	○	367,60
25,201 - 26,200	XR	○	367,60
26,201 - 27,200	XR	○	367,60
27,201 - 28,200	XR	○	391,00
28,201 - 29,200	XR	○	391,00
29,201 - 30,200	XR	○	437,70
30,201 - 31,200	XR	○	437,70

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
31,201 - 32,200	XR	○	437,70
32,201 - 33,200	XR	○	437,70
33,201 - 34,200	XR	○	437,70
34,201 - 35,200	XR	○	437,70
35,201 - 36,200	XR	○	437,70
36,201 - 37,200	XR	○	437,70
37,201 - 38,200	XR	○	437,70
38,201 - 39,200	XR	○	437,70
39,201 - 40,200	XR	○	437,70

MR 01 I B041653, für Grundbohrung, feste Ausführung
MR 01 I B041653, for blind bore, fixed design

7,700 - 8,200	XR	○	303,40
8,201 - 8,700	XR	○	303,40
8,701 - 9,200	XR	○	303,40
9,201 - 9,700	XR	○	303,40
9,701 - 10,200	XR	○	334,80
10,201 - 10,700	XR	○	334,80
10,701 - 11,200	XR	○	334,80
11,201 - 11,700	XR	○	334,80
11,701 - 12,200	XR	○	341,90
12,201 - 12,700	XR	○	341,90
12,701 - 13,200	XR	○	341,90
13,201 - 14,200	XR	○	341,90
14,201 - 15,200	XR	○	341,90
15,201 - 16,200	XR	○	341,90
16,201 - 17,200	XR	○	341,90
17,201 - 18,200	XR	○	389,70
18,201 - 19,200	XR	○	389,70
19,201 - 20,200	XR	○	389,70
20,201 - 21,200	XR	○	389,70
21,201 - 22,200	XR	○	389,70
22,201 - 23,200	XR	○	389,70
23,201 - 24,200	XR	○	389,70
24,201 - 25,200	XR	○	389,70
25,201 - 26,200	XR	○	389,70
26,201 - 27,200	XR	○	389,70
27,201 - 28,200	XR	○	415,50
28,201 - 29,200	XR	○	415,50
29,201 - 30,200	XR	○	464,40
30,201 - 31,200	XR	○	464,40
31,201 - 32,200	XR	○	464,40
32,201 - 33,200	XR	○	464,40
33,201 - 34,200	XR	○	464,40
34,201 - 35,200	XR	○	464,40
35,201 - 36,200	XR	○	464,40
36,201 - 37,200	XR	○	464,40
37,201 - 38,200	XR	○	464,40
38,201 - 39,200	XR	○	464,40
39,201 - 40,200	XR	○	464,40

MR 02 I B041750, für Grundbohrung, dehnbare Ausführung
MR 02 I B041750, for blind bore, expandable design

7,700 - 8,200	XR	○	320,90
8,201 - 8,700	XR	○	320,90
8,701 - 9,200	XR	○	320,90
9,201 - 9,700	XR	○	320,90
9,701 - 10,200	XR	○	356,00

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
10,201 - 10,700	XR	○	356,00
10,701 - 11,200	XR	○	356,00
11,201 - 11,700	XR	○	356,00
11,701 - 12,200	XR	○	363,00
12,201 - 12,700	XR	○	363,00
12,701 - 13,200	XR	○	363,00
13,201 - 14,200	XR	○	363,00
14,201 - 15,200	XR	○	363,00
15,201 - 16,200	XR	○	363,00
16,201 - 17,200	XR	○	363,00
17,201 - 18,200	XR	○	408,30
18,201 - 19,200	XR	○	408,30
19,201 - 20,200	XR	○	408,30
20,201 - 21,200	XR	○	408,30
21,201 - 22,200	XR	○	408,30
22,201 - 23,200	XR	○	408,30
23,201 - 24,200	XR	○	408,30
24,201 - 25,200	XR	○	408,30
25,201 - 26,200	XR	○	408,30
26,201 - 27,200	XR	○	408,30
27,201 - 28,200	XR	○	440,90
28,201 - 29,200	XR	○	440,90
29,201 - 30,200	XR	○	490,10
30,201 - 31,200	XR	○	490,10
31,201 - 32,200	XR	○	490,10
32,201 - 33,200	XR	○	490,10
33,201 - 34,200	XR	○	490,10
34,201 - 35,200	XR	○	490,10
35,201 - 36,200	XR	○	490,10
36,201 - 37,200	XR	○	490,10
37,201 - 38,200	XR	○	490,10
38,201 - 39,200	XR	○	490,10
39,201 - 40,200	XR	○	490,10

MR 02 I B041751, für Grundbohrung, dehnbare Ausführung
MR 02 I B041751, for blind bore, expandable design

7,700 - 8,200	XR	○	334,80
8,201 - 8,700	XR	○	334,80
8,701 - 9,200	XR	○	334,80
9,201 - 9,700	XR	○	334,80
9,701 - 10,200	XR	○	369,90
10,201 - 10,700	XR	○	369,90
10,701 - 11,200	XR	○	369,90
11,201 - 11,700	XR	○	369,90
11,701 - 12,200	XR	○	379,20
12,201 - 12,700	XR	○	379,20
12,701 - 13,200	XR	○	379,20
13,201 - 14,200	XR	○	379,20
14,201 - 15,200	XR	○	379,20
15,201 - 16,200	XR	○	379,20
16,201 - 17,200	XR	○	379,20
17,201 - 18,200	XR	○	431,80
18,201 - 19,200	XR	○	431,80
19,201 - 20,200	XR	○	431,80
20,201 - 21,200	XR	○	431,80
21,201 - 22,200	XR	○	431,80
22,201 - 23,200	XR	○	431,80

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
23,201 - 24,200	XR	○	431,80
24,201 - 25,200	XR	○	431,80
25,201 - 26,200	XR	○	431,80
26,201 - 27,200	XR	○	431,80
27,201 - 28,200	XR	○	459,80
28,201 - 29,200	XR	○	459,80
29,201 - 30,200	XR	○	514,50
30,201 - 31,200	XR	○	514,50
31,201 - 32,200	XR	○	514,50
32,201 - 33,200	XR	○	514,50
33,201 - 34,200	XR	○	514,50
34,201 - 35,200	XR	○	514,50
35,201 - 36,200	XR	○	514,50
36,201 - 37,200	XR	○	514,50
37,201 - 38,200	XR	○	514,50
38,201 - 39,200	XR	○	514,50
39,201 - 40,200	XR	○	514,50

MR 02 I B041752, für Grundbohrung, dehnbare Ausführung
MR 02 I B041752, for blind bore, expandable design

7,700 - 8,200	XR	○	334,80
8,201 - 8,700	XR	○	334,80
8,701 - 9,200	XR	○	334,80
9,201 - 9,700	XR	○	334,80
9,701 - 10,200	XR	○	369,90
10,201 - 10,700	XR	○	369,90
10,701 - 11,200	XR	○	369,90
11,201 - 11,700	XR	○	369,90
11,701 - 12,200	XR	○	379,20
12,201 - 12,700	XR	○	379,20
12,701 - 13,200	XR	○	379,20
13,201 - 14,200	XR	○	379,20
14,201 - 15,200	XR	○	379,20
15,201 - 16,200	XR	○	379,20
16,201 - 17,200	XR	○	379,20
17,201 - 18,200	XR	○	431,80
18,201 - 19,200	XR	○	431,80
19,201 - 20,200	XR	○	431,80
20,201 - 21,200	XR	○	431,80
21,201 - 22,200	XR	○	431,80
22,201 - 23,200	XR	○	431,80
23,201 - 24,200	XR	○	431,80
24,201 - 25,200	XR	○	431,80
25,201 - 26,200	XR	○	431,80
26,201 - 27,200	XR	○	431,80
27,201 - 28,200	XR	○	459,80
28,201 - 29,200	XR	○	459,80
29,201 - 30,200	XR	○	514,50
30,201 - 31,200	XR	○	514,50
31,201 - 32,200	XR	○	514,50
32,201 - 33,200	XR	○	514,50
33,201 - 34,200	XR	○	514,50
34,201 - 35,200	XR	○	514,50
35,201 - 36,200	XR	○	514,50
36,201 - 37,200	XR	○	514,50
37,201 - 38,200	XR	○	514,50
38,201 - 39,200	XR	○	514,50
39,201 - 40,200	XR	○	514,50

MR 02 I B041753, für Grundbohrung, dehnbare Ausführung
MR 02 I B041753, for blind bore, expandable design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
7,700 - 8,200	XR	○	353,60
8,201 - 8,700	XR	○	353,60
8,701 - 9,200	XR	○	353,60
9,201 - 9,700	XR	○	353,60
9,701 - 10,200	XR	○	392,10
10,201 - 10,700	XR	○	392,10
10,701 - 11,200	XR	○	392,10
11,201 - 11,700	XR	○	392,10
11,701 - 12,200	XR	○	402,60
12,201 - 12,700	XR	○	402,60
12,701 - 13,200	XR	○	402,60
13,201 - 14,200	XR	○	402,60
14,201 - 15,200	XR	○	402,60
15,201 - 16,200	XR	○	402,60
16,201 - 17,200	XR	○	402,60
17,201 - 18,200	XR	○	457,50
18,201 - 19,200	XR	○	457,50
19,201 - 20,200	XR	○	457,50
20,201 - 21,200	XR	○	457,50
21,201 - 22,200	XR	○	457,50
22,201 - 23,200	XR	○	457,50
23,201 - 24,200	XR	○	457,50
24,201 - 25,200	XR	○	457,50
25,201 - 26,200	XR	○	457,50
26,201 - 27,200	XR	○	457,50
27,201 - 28,200	XR	○	491,10
28,201 - 29,200	XR	○	491,10
29,201 - 30,200	XR	○	546,10
30,201 - 31,200	XR	○	546,10
31,201 - 32,200	XR	○	546,10
32,201 - 33,200	XR	○	546,10
33,201 - 34,200	XR	○	546,10
34,201 - 35,200	XR	○	546,10
35,201 - 36,200	XR	○	546,10
36,201 - 37,200	XR	○	546,10
37,201 - 38,200	XR	○	546,10
38,201 - 39,200	XR	○	546,10
39,201 - 40,200	XR	○	546,10

MR 03 I B041850, für Grundbohrung, feinjustierbare Ausführung
MR 03 I B041850, for blind bore, fine adjustable design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
7,700 - 8,200	XR	○	375,80
8,201 - 8,700	XR	○	375,80
8,701 - 9,200	XR	○	375,80
9,201 - 9,700	XR	○	375,80
9,701 - 10,200	XR	○	415,50
10,201 - 10,700	XR	○	415,50
10,701 - 11,200	XR	○	415,50
11,201 - 11,700	XR	○	415,50
11,701 - 12,200	XR	○	424,70
12,201 - 12,700	XR	○	424,70
12,701 - 13,200	XR	○	424,70
13,201 - 14,200	XR	○	424,70
14,201 - 15,200	XR	○	424,70
15,201 - 16,200	XR	○	424,70
16,201 - 17,200	XR	○	424,70
17,201 - 18,200	XR	○	484,30
18,201 - 19,200	XR	○	484,30
19,201 - 20,200	XR	○	484,30
20,201 - 21,200	XR	○	484,30
21,201 - 22,200	XR	○	484,30
22,201 - 23,200	XR	○	484,30
23,201 - 24,200	XR	○	484,30
24,201 - 25,200	XR	○	484,30
25,201 - 26,200	XR	○	484,30
26,201 - 27,200	XR	○	484,30
27,201 - 28,200	XR	○	520,40
28,201 - 29,200	XR	○	520,40
29,201 - 30,200	XR	○	578,80
30,201 - 31,200	XR	○	578,80
31,201 - 32,200	XR	○	578,80
32,201 - 33,200	XR	○	578,80
33,201 - 34,200	XR	○	578,80
34,201 - 35,200	XR	○	578,80
35,201 - 36,200	XR	○	578,80
36,201 - 37,200	XR	○	578,80
37,201 - 38,200	XR	○	578,80
38,201 - 39,200	XR	○	578,80
39,201 - 40,200	XR	○	578,80

MR 03 I B041851, für Grundbohrung, feinjustierbare Ausführung
MR 03 I B041851, for blind bore, fine adjustable design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
7,700 - 8,200	XR	○	394,20
8,201 - 8,700	XR	○	394,20
8,701 - 9,200	XR	○	394,20
9,201 - 9,700	XR	○	394,20
9,701 - 10,200	XR	○	437,70
10,201 - 10,700	XR	○	437,70
10,701 - 11,200	XR	○	437,70
11,201 - 11,700	XR	○	437,70
11,701 - 12,200	XR	○	443,30
12,201 - 12,700	XR	○	443,30
12,701 - 13,200	XR	○	443,30
13,201 - 14,200	XR	○	443,30
14,201 - 15,200	XR	○	443,30
15,201 - 16,200	XR	○	443,30
16,201 - 17,200	XR	○	443,30
17,201 - 18,200	XR	○	508,90
18,201 - 19,200	XR	○	508,90
19,201 - 20,200	XR	○	508,90
20,201 - 21,200	XR	○	508,90
21,201 - 22,200	XR	○	508,90
22,201 - 23,200	XR	○	508,90
23,201 - 24,200	XR	○	508,90
24,201 - 25,200	XR	○	508,90
25,201 - 26,200	XR	○	508,90
26,201 - 27,200	XR	○	508,90
27,201 - 28,200	XR	○	542,70
28,201 - 29,200	XR	○	542,70
29,201 - 30,200	XR	○	603,20
30,201 - 31,200	XR	○	603,20
31,201 - 32,200	XR	○	603,20
32,201 - 33,200	XR	○	603,20

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
33,201 - 34,200	XR	○	603,20
34,201 - 35,200	XR	○	603,20
35,201 - 36,200	XR	○	603,20
36,201 - 37,200	XR	○	603,20
37,201 - 38,200	XR	○	603,20
38,201 - 39,200	XR	○	603,20
39,201 - 40,200	XR	○	603,20

MR 03 I B041852, für Grundbohrung, feinjustierbare Ausführung
MR 03 I B041852, for blind bore, fine adjustable design

7,700 - 8,200	XR	○	394,20
8,201 - 8,700	XR	○	394,20
8,701 - 9,200	XR	○	394,20
9,201 - 9,700	XR	○	394,20
9,701 - 10,200	XR	○	437,70
10,201 - 10,700	XR	○	437,70
10,701 - 11,200	XR	○	437,70
11,201 - 11,700	XR	○	437,70
11,701 - 12,200	XR	○	443,30
12,201 - 12,700	XR	○	443,30
12,701 - 13,200	XR	○	443,30
13,201 - 14,200	XR	○	443,30
14,201 - 15,200	XR	○	443,30
15,201 - 16,200	XR	○	443,30
16,201 - 17,200	XR	○	443,30
17,201 - 18,200	XR	○	508,90
18,201 - 19,200	XR	○	508,90
19,201 - 20,200	XR	○	508,90
20,201 - 21,200	XR	○	508,90
21,201 - 22,200	XR	○	508,90
22,201 - 23,200	XR	○	508,90
23,201 - 24,200	XR	○	508,90
24,201 - 25,200	XR	○	508,90
25,201 - 26,200	XR	○	508,90
26,201 - 27,200	XR	○	508,90
27,201 - 28,200	XR	○	542,70
28,201 - 29,200	XR	○	542,70
29,201 - 30,200	XR	○	603,20
30,201 - 31,200	XR	○	603,20
31,201 - 32,200	XR	○	603,20
32,201 - 33,200	XR	○	603,20
33,201 - 34,200	XR	○	603,20
34,201 - 35,200	XR	○	603,20
35,201 - 36,200	XR	○	603,20
36,201 - 37,200	XR	○	603,20
37,201 - 38,200	XR	○	603,20
38,201 - 39,200	XR	○	603,20
39,201 - 40,200	XR	○	603,20

MR 03 I B041853, für Grundbohrung, feinjustierbare Ausführung
MR 03 I B041853, for blind bore, fine adjustable design

7,700 - 8,200	XR	○	417,60
8,201 - 8,700	XR	○	417,60
8,701 - 9,200	XR	○	417,60
9,201 - 9,700	XR	○	417,60
9,701 - 10,200	XR	○	461,90
10,201 - 10,700	XR	○	461,90
10,701 - 11,200	XR	○	461,90

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
11,201 - 11,700	XR	○	461,90
11,701 - 12,200	XR	○	471,40
12,201 - 12,700	XR	○	471,40
12,701 - 13,200	XR	○	471,40
13,201 - 14,200	XR	○	471,40
14,201 - 15,200	XR	○	471,40
15,201 - 16,200	XR	○	471,40
16,201 - 17,200	XR	○	471,40
17,201 - 18,200	XR	○	539,20
18,201 - 19,200	XR	○	539,20
19,201 - 20,200	XR	○	539,20
20,201 - 21,200	XR	○	539,20
21,201 - 22,200	XR	○	539,20
22,201 - 23,200	XR	○	539,20
23,201 - 24,200	XR	○	539,20
24,201 - 25,200	XR	○	539,20
25,201 - 26,200	XR	○	539,20
26,201 - 27,200	XR	○	539,20
27,201 - 28,200	XR	○	574,10
28,201 - 29,200	XR	○	574,10
29,201 - 30,200	XR	○	642,90
30,201 - 31,200	XR	○	642,90
31,201 - 32,200	XR	○	642,90
32,201 - 33,200	XR	○	642,90
33,201 - 34,200	XR	○	642,90
34,201 - 35,200	XR	○	642,90
35,201 - 36,200	XR	○	642,90
36,201 - 37,200	XR	○	642,90
37,201 - 38,200	XR	○	642,90
38,201 - 39,200	XR	○	642,90
39,201 - 40,200	XR	○	642,90

Hochleistungsreibahlen RR, Vorzugsbaureihen mit Zylinderschaft
High-performance reamer RR, preferred series with cylindrical shank

RR 01 I B040325, für Durchgangsbohrung, feste Ausführung
RR 01 I B040325, for through bore, fixed design

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
4,00	H7	30109599	XR	●	251,80
4,50	H7	30109601	XR	●	251,80
5,00	H7	30109603	XR	●	251,80
5,50	H7	30109605	XR	●	259,40
6,00	H7	30109607	XR	●	268,20
6,50	H7	30109609	XR	●	300,70
7,00	H7	30109611	XR	●	308,10
7,50	H7	30109613	XR	●	317,00
8,00	H7	30109615	XR	●	324,30
8,50	H7	30109617	XR	●	331,80
9,00	H7	30109619	XR	●	340,70
9,50	H7	30109621	XR	●	348,30
10,00	H7	30109623	XR	●	357,00
10,50	H7	30109625	XR	●	364,40
11,00	H7	30109627	XR	●	373,10
12,00	H7	30109631	XR	●	398,50
13,00	H7	30109633	XR	●	413,50
14,00	H7	30109635	XR	●	429,40
15,00	H7	30109637	XR	●	438,50
16,00	H7	30109639	XR	●	462,00
17,00	H7	30109641	XR	●	471,20
18,00	H7	30109643	XR	●	478,50
19,00	H7	30109645	XR	●	487,30
20,00	H7	30109647	XR	●	487,30

RR 01 I B040326, für Durchgangsbohrung, feste Ausführung
RR 01 I B040326, for through bore, fixed design

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
21,00	H7	30109651	XR	●	494,80
22,00	H7	30109653	XR	●	494,80
23,00	H7	30109655	XR	●	503,60
24,00	H7	30109657	XR	●	503,60
25,00	H7	30109659	XR	●	503,60
26,00	H7	30109661	XR	●	503,60
27,00	H7	30109663	XR	●	511,00
28,00	H7	30109665	XR	●	520,00
29,00	H7	30109667	XR	●	527,30
30,00	H7	30109669	XR	●	527,30
31,00	H7	30109671	XR	●	534,60
32,00	H7	30109673	XR	●	534,60
33,00	H7	30109675	XR	●	534,60
34,00	H7	30109677	XR	●	543,70
35,00	H7	30109679	XR	●	550,90
36,00	H7	30109681	XR	●	550,90
37,00	H7	30109683	XR	●	560,00
38,00	H7	30109685	XR	●	560,00
39,00	H7	30109687	XR	●	567,40
40,00	H7	30109689	XR	●	567,40

RR 01 I B040327, für Durchgangsbohrung, dehnbare Ausführung
RR 01 I B040327, for through bore, expandable design

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	H7	30109691	XR	●	447,20
8,50	H7	30109693	XR	○	455,30
9,00	H7	30109695	XR	●	447,20
9,50	H7	30109697	XR	○	455,30
10,00	H7	30109699	XR	●	447,20
10,50	H7	30242818	XR	○	475,00
11,00	H7	30109701	XR	●	466,70
11,50	H7	30242824	XR	○	506,40
12,00	H7	30109703	XR	●	497,50
12,50	H7	30242825	XR	○	526,30
13,00	H7	30109705	XR	●	517,00
14,00	H7	30109707	XR	●	537,90
15,00	H7	30109709	XR	●	548,00
16,00	H7	30109711	XR	●	577,80
17,00	H7	30109713	XR	●	587,90
18,00	H7	30109715	XR	●	598,50
19,00	H7	30109717	XR	●	608,80
20,00	H7	30109719	XR	●	608,80
21,00	H7	30109721	XR	●	618,90
22,00	H7	30109723	XR	●	618,90
23,00	H7	30109725	XR	●	628,10
24,00	H7	30109727	XR	●	628,10
25,00	H7	30109729	XR	●	628,10
26,00	H7	30109731	XR	●	628,10
27,00	H7	30109733	XR	●	638,30
28,00	H7	30109735	XR	●	650,20
29,00	H7	30109737	XR	●	659,20
30,00	H7	30109739	XR	●	659,20
31,00	H7	30109741	XR	●	669,50
32,00	H7	30109743	XR	●	669,50
33,00	H7	30109745	XR	●	669,50
34,00	H7	30109747	XR	●	680,00
35,00	H7	30109749	XR	●	690,20
36,00	H7	30109751	XR	●	690,20
37,00	H7	30109753	XR	●	700,60
38,00	H7	30109755	XR	●	700,60
39,00	H7	30109757	XR	●	709,50
40,00	H7	30109759	XR	●	709,50

Hochleistungsreibahlen RR, konfigurierbare Baureihen mit Zylinderschaft
High-performance reamer RR, configurable series with cylindrical shank

RR 01 | B040325, für Durchgangsbohrung, feste Ausführung
RR 01 | B040325, for through bore, fixed design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,850 - 4,350	XR	○	258,70
4,351 - 4,900	XR	○	258,70
4,901 - 5,300	XR	○	258,70
5,301 - 5,700	XR	○	266,20
5,701 - 6,200	XR	○	275,40
6,201 - 6,700	XR	○	308,80
6,701 - 7,200	XR	○	316,20
7,201 - 7,700	XR	○	325,80
7,701 - 8,200	XR	○	333,20
8,201 - 8,700	XR	○	340,70
8,701 - 9,200	XR	○	349,90
9,201 - 9,700	XR	○	357,60
9,701 - 10,200	XR	○	366,50
10,201 - 10,700	XR	○	374,10
10,700 - 11,200	XR	○	383,50
11,201 - 12,200	XR	○	409,00
12,201 - 13,200	XR	○	424,60
13,201 - 14,200	XR	○	440,90
14,201 - 15,200	XR	○	450,50
15,201 - 16,200	XR	○	474,70
16,201 - 17,200	XR	○	483,90
17,201 - 18,200	XR	○	491,20
18,201 - 19,200	XR	○	500,50
19,201 - 20,200	XR	○	500,50

RR 01 | B040326, für Durchgangsbohrung, feste Ausführung
RR 01 | B040326, for through bore, fixed design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
20,201 - 21,200	XR	○	508,30
21,201 - 22,200	XR	○	508,30
22,201 - 23,200	XR	○	517,10
23,201 - 24,200	XR	○	517,10
24,201 - 25,200	XR	○	517,10
25,201 - 26,200	XR	○	517,10
26,201 - 27,200	XR	○	524,90
27,201 - 28,200	XR	○	534,00
28,201 - 29,200	XR	○	541,60
29,201 - 30,200	XR	○	541,60
30,201 - 31,200	XR	○	549,00
31,201 - 32,200	XR	○	549,00
32,201 - 33,200	XR	○	549,00
33,201 - 34,200	XR	○	558,50
34,201 - 35,200	XR	○	565,70
35,201 - 36,200	XR	○	565,70
36,201 - 37,200	XR	○	575,10
37,201 - 38,200	XR	○	575,10
38,201 - 39,200	XR	○	582,70
39,201 - 40,200	XR	○	582,70

RR 01 | B040327, für Durchgangsbohrung, dehnbare Ausführung
RR 01 | B040327, for through bore, expandable design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
7,701 - 8,200	XR	○	455,30
8,201 - 8,700	XR	○	455,30
8,701 - 9,200	XR	○	455,30
9,201 - 9,700	XR	○	455,30
9,701 - 10,200	XR	○	455,30
10,201 - 10,700	XR	○	475,00
10,701 - 11,200	XR	○	475,00
11,201 - 11,700	XR	○	506,40
11,701 - 12,200	XR	○	506,40
12,201 - 12,700	XR	○	526,30
12,701 - 13,200	XR	○	526,30
13,201 - 14,200	XR	○	547,40
14,201 - 15,200	XR	○	558,00
15,201 - 16,200	XR	○	588,10
16,201 - 17,200	XR	○	598,60
17,201 - 18,200	XR	○	609,20
18,201 - 19,200	XR	○	619,80
19,201 - 20,200	XR	○	619,80
20,201 - 21,200	XR	○	630,10
21,201 - 22,200	XR	○	630,10
22,201 - 23,200	XR	○	639,30
23,201 - 24,200	XR	○	639,30
24,201 - 25,200	XR	○	639,30
25,201 - 26,200	XR	○	639,30
26,201 - 27,200	XR	○	649,90
27,201 - 28,200	XR	○	662,00
28,201 - 29,200	XR	○	671,30
29,201 - 30,200	XR	○	671,30
30,201 - 31,200	XR	○	681,60
31,201 - 32,200	XR	○	681,60
32,201 - 33,200	XR	○	681,60
33,201 - 34,200	XR	○	692,10
34,201 - 35,200	XR	○	702,70
35,201 - 36,200	XR	○	702,70
36,201 - 37,200	XR	○	713,20
37,201 - 38,200	XR	○	713,20
38,201 - 39,200	XR	○	722,20
39,201 - 40,200	XR	○	722,20

Hochleistungsreibahlen RR, Vorzugsbaureihen mit Zylinderschaft
High-performance reamer RR, preferred series with cylindrical shank

RR 01 | B040340, für Grundbohrung, feste Ausführung
RR 01 | B040340, for blind bore, fixed design

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
4,00	H7	30109761	XR	●	251,80
4,50	H7	30109763	XR	●	251,80
5,00	H7	30109765	XR	●	251,80
5,50	H7	30109767	XR	●	259,40
6,00	H7	30109769	XR	●	268,20
6,50	H7	30109771	XR	●	300,70
7,00	H7	30109773	XR	●	308,10
7,50	H7	30109775	XR	●	317,00
8,00	H7	30109777	XR	●	324,30
8,50	H7	30109779	XR	●	331,80
9,00	H7	30109781	XR	●	340,70
9,50	H7	30109783	XR	●	348,30
10,00	H7	30109785	XR	●	357,00
10,50	H7	30109787	XR	●	364,40
11,00	H7	30109789	XR	●	373,10
12,00	H7	30109793	XR	●	398,50
13,00	H7	30109795	XR	●	413,50
14,00	H7	30109797	XR	●	429,40
15,00	H7	30109799	XR	●	438,50
16,00	H7	30109801	XR	●	462,00
17,00	H7	30109803	XR	●	471,20
18,00	H7	30109805	XR	●	478,50
19,00	H7	30109807	XR	●	487,30
20,00	H7	30109809	XR	●	487,30

RR 01 | B040341, für Grundbohrung, feste Ausführung
RR 01 | B040341, for blind bore, fixed design

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
21,00	H7	30109811	XR	●	494,80
22,00	H7	30109813	XR	●	494,80
23,00	H7	30109815	XR	●	503,60
24,00	H7	30109817	XR	●	503,60
25,00	H7	30109819	XR	●	503,60
26,00	H7	30109821	XR	●	503,60
27,00	H7	30109823	XR	●	511,00
28,00	H7	30109825	XR	●	520,00
29,00	H7	30109827	XR	●	527,30
30,00	H7	30109829	XR	●	527,30
31,00	H7	30109831	XR	●	534,60
32,00	H7	30109833	XR	●	534,60
33,00	H7	30109835	XR	●	534,60
34,00	H7	30109837	XR	●	543,70
35,00	H7	30109839	XR	●	550,90
36,00	H7	30109841	XR	●	550,90
37,00	H7	30109843	XR	●	560,00
38,00	H7	30109845	XR	●	560,00
39,00	H7	30109847	XR	●	567,40
40,00	H7	30109849	XR	●	567,40

Hochleistungsreibahlen RR, konfigurierbare Baureihen mit Zylinderschaft
High-performance reamer RR, configurable series with cylindrical shank

RR 01 | B040340, für Grundbohrung, feste Ausführung
RR 01 | B040340, for blind bore, fixed design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,850 - 4,350	XR	○	258,70
4,351 - 4,900	XR	○	258,70
4,901 - 5,300	XR	○	258,70
5,301 - 5,700	XR	○	266,20
5,701 - 6,200	XR	○	275,40
6,201 - 6,700	XR	○	308,80
6,701 - 7,200	XR	○	316,20
7,201 - 7,700	XR	○	325,80
7,701 - 8,200	XR	○	333,20
8,201 - 8,700	XR	○	340,70
8,701 - 9,200	XR	○	349,90
9,201 - 9,700	XR	○	357,60
9,701 - 10,200	XR	○	366,50
10,201 - 10,700	XR	○	374,10
10,701 - 11,200	XR	○	383,50
11,201 - 12,200	XR	○	409,00
12,201 - 13,200	XR	○	424,60
13,201 - 14,200	XR	○	440,90
14,201 - 15,200	XR	○	450,50
15,201 - 16,200	XR	○	474,70
16,201 - 17,200	XR	○	483,90
17,201 - 18,200	XR	○	491,20
18,201 - 19,200	XR	○	500,50
19,201 - 20,200	XR	○	500,50

RR 01 | B040341, für Grundbohrung, feste Ausführung
RR 01 | B040341, for blind bore, fixed design

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
20,201 - 21,200	XR	○	508,30
21,201 - 22,200	XR	○	508,30
22,201 - 23,200	XR	○	517,10
23,201 - 24,200	XR	○	517,10
24,201 - 25,200	XR	○	517,10
25,201 - 26,200	XR	○	517,10
26,201 - 27,200	XR	○	524,90
27,201 - 28,200	XR	○	534,00
28,201 - 29,200	XR	○	541,60
29,201 - 30,200	XR	○	541,60
30,201 - 31,200	XR	○	549,00
31,201 - 32,200	XR	○	549,00
32,201 - 33,200	XR	○	549,00
33,201 - 34,200	XR	○	558,50
34,201 - 35,200	XR	○	565,70
35,201 - 36,200	XR	○	565,70
36,201 - 37,200	XR	○	575,10
37,201 - 38,200	XR	○	575,10
38,201 - 39,200	XR	○	582,70
39,201 - 40,200	XR	○	582,70

Wechselkopfreibahlen XR, Vorzugsbaureihen
Replaceable head reamers XR, preferred series

XR 06 I B081631, für Durchgangsbohrung Stahl+Guss
XR 06 I B081631, for through bore steel+cast iron

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	H7	30461204	XX	○	197,70
8,50	H7	30461206	XX	○	213,20
9,00	H7	30461208	XX	○	218,40
9,50	H7	30461211	XX	○	224,60
10,00	H7	30461213	XX	○	209,10
10,50	H7	30461225	XX	○	231,80
11,00	H7	30461226	XX	○	238,10
11,50	H7	30461227	XX	○	238,10
12,00	H7	30461229	XX	○	221,50
12,50	H7	30461231	XX	○	247,40
13,00	H7	30461232	XX	○	247,40
14,00	H7	30461237	XX	●	239,10
15,00	H7	30461239	XX	○	259,80
16,00	H7	30461243	XX	●	239,10
17,00	H7	30461244	XX	○	271,20
18,00	H7	30461245	XX	●	249,40
19,00	H7	30461248	XX	○	280,50
20,00	H7	30461249	XX	●	257,70
21,00	H7	30552610	XX	○	280,50
22,00	H7	30552611	XX	●	275,30
23,00	H7	30552612	XX	○	296,00
24,00	H7	30552613	XX	○	282,60
25,00	H7	30552614	XX	●	282,60
26,00	H7	30552615	XX	○	312,60
27,00	H7	30552616	XX	○	321,90
28,00	H7	30552617	XX	○	298,10
29,00	H7	30552618	XX	○	350,90
30,00	H7	30552619	XX	●	324,00
31,00	H7	30552620	XX	○	376,70
32,00	H7	30552621	XX	●	349,80
33,00	H7	30552622	XX	○	384,00
34,00	H7	30552623	XX	○	384,00
35,00	H7	30552624	XX	○	398,50
36,00	H7	30552625	XX	●	369,50
37,00	H7	30552626	XX	○	410,90
38,00	H7	30552627	XX	○	410,90
39,00	H7	30552628	XX	○	424,40
40,00	H7	30540962	XX	○	394,30

XR 06 I B081632, für Durchgangsbohrung VA
XR 06 I B081632, for through bore stainless steel

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	H7	30967156	XX	○	213,20
8,50	H7	30967157	XX	○	213,20
9,00	H7	30967158	XX	○	218,40
9,50	H7	30967159	XX	○	224,60
10,00	H7	30967170	XX	○	224,60
10,50	H7	30967171	XX	○	231,80
11,00	H7	30967172	XX	○	238,10
11,50	H7	30967173	XX	○	238,10
12,00	H7	30967174	XX	○	238,10
12,50	H7	30967175	XX	○	247,40
13,00	H7	30967176	XX	○	247,40
14,00	H7	30967177	XX	○	259,80
15,00	H7	30967178	XX	○	259,80
16,00	H7	30967179	XX	○	259,80
17,00	H7	30967180	XX	○	271,20
18,00	H7	30967181	XX	○	271,20
19,00	H7	30967182	XX	○	280,50
20,00	H7	30967183	XX	○	280,50
21,00	H7	30967184	XX	○	280,50
22,00	H7	30967185	XX	○	296,00
23,00	H7	30967186	XX	○	296,00
24,00	H7	30967187	XX	○	304,30
25,00	H7	30967188	XX	○	304,30
26,00	H7	30967189	XX	○	312,60
27,00	H7	30967190	XX	○	321,90
28,00	H7	30967191	XX	○	321,90
29,00	H7	30967192	XX	○	350,90
30,00	H7	30967193	XX	○	350,90
31,00	H7	30967194	XX	○	376,70
32,00	H7	30967195	XX	○	376,70
33,00	H7	30967196	XX	○	384,00
34,00	H7	30967197	XX	○	384,00
35,00	H7	30967198	XX	○	398,50
36,00	H7	30967199	XX	○	398,50
37,00	H7	30967200	XX	○	410,90
38,00	H7	30967201	XX	○	410,90
39,00	H7	30967202	XX	○	424,40
40,00	H7	30967203	XX	○	424,40

XR 06 I B081633, für Durchgangsbohrung Titan
XR 06 I B081633, for through bore titanium

8,00	H7	30967243	XX	○	213,20
8,50	H7	30967244	XX	○	213,20
9,00	H7	30967245	XX	○	218,40
9,50	H7	30967246	XX	○	224,60
10,00	H7	30967247	XX	○	224,60
10,50	H7	30967248	XX	○	231,80
11,00	H7	30967249	XX	○	238,10
11,50	H7	30967250	XX	○	238,10
12,00	H7	30967251	XX	○	238,10
12,50	H7	30967252	XX	○	247,40
13,00	H7	30967253	XX	○	247,40
14,00	H7	30967254	XX	○	259,80
15,00	H7	30967255	XX	○	259,80
16,00	H7	30967256	XX	○	259,80
17,00	H7	30967257	XX	○	271,20
18,00	H7	30967258	XX	○	271,20
19,00	H7	30967259	XX	○	280,50
20,00	H7	30967260	XX	○	280,50
21,00	H7	30967261	XX	○	280,50
22,00	H7	30967262	XX	○	296,00
23,00	H7	30967263	XX	○	296,00
24,00	H7	30967264	XX	○	304,30
25,00	H7	30967265	XX	○	304,30
26,00	H7	30967266	XX	○	312,60
27,00	H7	30967267	XX	○	321,90
28,00	H7	30967268	XX	○	321,90
29,00	H7	30967269	XX	○	350,90
30,00	H7	30967270	XX	○	350,90
31,00	H7	30967271	XX	○	376,70

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
32,00	H7	30967272	XX	○	376,70
33,00	H7	30967273	XX	○	384,00
34,00	H7	30967274	XX	○	384,00
35,00	H7	30967275	XX	○	398,50
36,00	H7	30967276	XX	○	398,50
37,00	H7	30967277	XX	○	410,90
38,00	H7	30967278	XX	○	410,90
39,00	H7	30967279	XX	○	424,40
40,00	H7	30967280	XX	○	424,40

XR 06 | B081634, für Durchgangsbohrung Aluminium
XR 06 | B081634, for through bore aluminum

8,00	H7	30967281	XX	○	222,50
8,50	H7	30967282	XX	○	222,50
9,00	H7	30967283	XX	○	227,70
9,50	H7	30967284	XX	○	232,90
10,00	H7	30967285	XX	○	233,90
10,50	H7	30967286	XX	○	241,20
11,00	H7	30967287	XX	○	248,40
11,50	H7	30967288	XX	○	248,40
12,00	H7	30967289	XX	○	249,40
12,50	H7	30967290	XX	○	257,70
13,00	H7	30967291	XX	○	257,70
14,00	H7	30967292	XX	○	275,30
15,00	H7	30967293	XX	○	275,30
16,00	H7	30967294	XX	○	280,50
17,00	H7	30967295	XX	○	289,80
18,00	H7	30967296	XX	○	289,80
19,00	H7	30967297	XX	○	299,10
20,00	H7	30967298	XX	○	303,30
21,00	H7	30967299	XX	○	303,30
22,00	H7	30967300	XX	○	320,90
23,00	H7	30967301	XX	○	320,90
24,00	H7	30967302	XX	○	329,10
25,00	H7	30967303	XX	○	329,10
26,00	H7	30967304	XX	○	342,60
27,00	H7	30967305	XX	○	349,80
28,00	H7	30967306	XX	○	349,80
29,00	H7	30967307	XX	○	379,90
30,00	H7	30967308	XX	○	379,90
31,00	H7	30967309	XX	○	405,70
32,00	H7	30967310	XX	○	418,10
33,00	H7	30967311	XX	○	425,40
34,00	H7	30967312	XX	○	425,40
35,00	H7	30967313	XX	○	439,90
36,00	H7	30967314	XX	○	453,30
37,00	H7	30967315	XX	○	467,80
38,00	H7	30967316	XX	○	467,80
39,00	H7	30967317	XX	○	480,20
40,00	H7	30967318	XX	○	480,20

XR 06 | B081639, für Durchgangsbohrung Guss
XR 06 | B081639, for through bore cast iron

8,00	H7	30967528	XX	○	226,70
8,50	H7	30967529	XX	○	226,70
9,00	H7	30967530	XX	○	231,80
9,50	H7	30967531	XX	○	237,00
10,00	H7	30967532	XX	○	236,00

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
10,50	H7	30967533	XX	○	243,20
11,00	H7	30967534	XX	○	250,50
11,50	H7	30967535	XX	○	250,50
12,00	H7	30967536	XX	○	250,50
12,50	H7	30967537	XX	○	258,80
13,00	H7	30967538	XX	○	258,80
14,00	H7	30967539	XX	○	271,20
15,00	H7	30967540	XX	○	277,40
16,00	H7	30967541	XX	○	274,30
17,00	H7	30967542	XX	○	283,60
18,00	H7	30967543	XX	○	283,60
19,00	H7	30967544	XX	○	292,90
20,00	H7	30967545	XX	○	291,90
21,00	H7	30967546	XX	○	291,90
22,00	H7	30967547	XX	○	307,40
23,00	H7	30967548	XX	○	307,40
24,00	H7	30967549	XX	○	316,70
25,00	H7	30967550	XX	○	316,70
26,00	H7	30967551	XX	○	324,00
27,00	H7	30967552	XX	○	331,20
28,00	H7	30967553	XX	○	331,20
29,00	H7	30967554	XX	○	360,20
30,00	H7	30967555	XX	○	374,70
31,00	H7	30967556	XX	○	400,60
32,00	H7	30967557	XX	○	394,30
33,00	H7	30967558	XX	○	401,60
34,00	H7	30967559	XX	○	401,60
35,00	H7	30967560	XX	○	415,00
36,00	H7	30967561	XX	○	407,80
37,00	H7	30967562	XX	○	421,30
38,00	H7	30967563	XX	○	421,30
39,00	H7	30967564	XX	○	433,70
40,00	H7	30967565	XX	○	433,70

XR 01 | B081605, für Durchgangsbohrung
XR 01 | B081605, for through bore

8,00	H7	30383223	XA	○	531,00
10,00	H7	30383224	XA	○	573,00
12,00	H7	30383225	XA	○	592,00
14,00	H7	30383226	XA	○	592,00
16,00	H7	30383227	XA	○	592,00
18,00	H7	30383228	XA	○	629,00
20,00	H7	30383229	XA	○	629,00
22,00	H7	30383230	XA	○	634,00
24,00	H7	30383231	XA	○	634,00
25,00	H7	30383232	XA	○	653,00
26,00	H7	30383233	XA	○	653,00
28,00	H7	30383234	XA	○	653,00
30,00	H7	30383235	XA	○	653,00
32,00	H7	30455232	XA	○	760,00
34,00	H7	30455233	XA	○	760,00
36,00	H7	30455235	XA	○	760,00
38,00	H7	30455236	XA	○	788,00
40,00	H7	30455237	XA	○	788,00

XR 01 I B081610, für Durchgangsbohrung
XR 01 I B081610, for through bore

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	H7	30516058	XX	○	181,10
10,00	H7	30516059	XX	○	199,80
12,00	H7	30516060	XX	○	199,80
14,00	H7	30516061	XX	○	212,20
16,00	H7	30516062	XX	○	212,20
18,00	H7	30516063	XX	○	223,60
20,00	H7	30516064	XX	○	223,60
22,00	H7	30516065	XX	○	229,80
24,00	H7	30516066	XX	○	229,80
25,00	H7	30516067	XX	○	246,30
26,00	H7	30516068	XX	○	246,30
28,00	H7	30516069	XX	○	246,30
30,00	H7	30516070	XX	○	274,30
32,00	H7	30516071	XX	○	301,20
34,00	H7	30516072	XX	○	301,20
36,00	H7	30516073	XX	○	301,20
38,00	H7	30516074	XX	○	315,70
40,00	H7	30516075	XX	○	315,70

XR 01 I B081611, für Durchgangsbohrung
XR 01 I B081611, for through bore

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	H7	30383184	XX	○	198,70
10,00	H7	30383185	XX	○	223,60
12,00	H7	30383186	XX	○	223,60
14,00	H7	30383187	XX	○	236,00
16,00	H7	30383188	XX	○	236,00
18,00	H7	30383189	XX	○	247,40
20,00	H7	30383190	XX	○	247,40
22,00	H7	30383191	XX	○	257,70
24,00	H7	30383192	XX	○	257,70
25,00	H7	30383193	XX	○	276,40
26,00	H7	30383194	XX	○	276,40
28,00	H7	30383195	XX	○	276,40
30,00	H7	30383196	XX	○	303,30
32,00	H7	30455216	XX	○	336,40
34,00	H7	30455217	XX	○	336,40
36,00	H7	30455218	XX	○	336,40
38,00	H7	30455219	XX	○	350,90
40,00	H7	30455220	XX	○	350,90

XR 01 I B081612, für Durchgangsbohrung
XR 01 I B081612, for through bore

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	H7	30383155	XX	○	190,40
10,00	H7	30383172	XX	○	212,20
12,00	H7	30383173	XX	○	212,20
14,00	H7	30383174	XX	○	225,60
16,00	H7	30383175	XX	○	225,60
18,00	H7	30383176	XX	○	235,00
20,00	H7	30383177	XX	○	235,00
22,00	H7	30383178	XX	○	245,30
24,00	H7	30383179	XX	○	245,30
25,00	H7	30383180	XX	○	260,80
26,00	H7	30383181	XX	○	260,80
28,00	H7	30383182	XX	○	260,80
30,00	H7	30383183	XX	○	288,80
32,00	H7	30455211	XX	○	321,90
34,00	H7	30455212	XX	○	321,90
36,00	H7	30455213	XX	○	321,90
38,00	H7	30455214	XX	○	352,90
40,00	H7	30455215	XX	○	352,90

XR 01 I B081618, für Durchgangsbohrung
XR 01 I B081618, for through bore

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	H7	30432555	XX	○	182,20
10,00	H7	30432556	XX	○	206,00
12,00	H7	30432557	XX	○	206,00
14,00	H7	30432558	XX	○	217,40
16,00	H7	30432559	XX	○	217,40
18,00	H7	30432560	XX	○	227,70
20,00	H7	30432561	XX	○	227,70
22,00	H7	30432562	XX	○	236,00
24,00	H7	30432563	XX	○	236,00
25,00	H7	30432564	XX	○	250,50
26,00	H7	30432565	XX	○	250,50
28,00	H7	30432566	XX	○	250,50
30,00	H7	30432567	XX	○	279,50
32,00	H7	30432667	XX	○	309,50
34,00	H7	30432669	XX	○	309,50
36,00	H7	30432670	XX	○	309,50
38,00	H7	30432671	XX	○	341,60
40,00	H7	30432672	XX	○	341,60

Wechselkopfreibahlen XR, konfigurierbare Baureihen
Replaceable head reamers XR, configurable series

XR 06 I B081631, für Durchgangsbohrung Stahl+Guss
XR 06 I B081631, for through bore steel+cast ion

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,000 - 8,200	XX	○	213,20
8,201 - 8,700	XX	○	213,20
8,701 - 9,200	XX	○	218,40
9,201 - 9,700	XX	○	224,60
9,701 - 10,200	XX	○	224,60
10,201 - 10,700	XX	○	231,80
10,701 - 11,200	XX	○	238,10
11,201 - 11,700	XX	○	238,10
11,701 - 12,200	XX	○	238,10
12,201 - 12,700	XX	○	247,40
12,701 - 13,200	XX	○	247,40
13,201 - 14,200	XX	○	259,80
14,201 - 15,200	XX	○	259,80
15,201 - 16,200	XX	○	259,80
16,201 - 17,200	XX	○	271,20
17,201 - 18,200	XX	○	271,20
18,201 - 19,200	XX	○	280,50
19,201 - 20,200	XX	○	280,50
20,201 - 21,200	XX	○	280,50
21,201 - 22,200	XX	○	296,00
22,201 - 23,200	XX	○	296,00
23,201 - 24,200	XX	○	304,30
24,201 - 25,200	XX	○	304,30
25,201 - 26,200	XX	○	312,60
26,201 - 27,200	XX	○	321,90
27,201 - 28,200	XX	○	321,90
28,201 - 29,200	XX	○	350,90
29,201 - 30,200	XX	○	350,90
30,201 - 31,200	XX	○	376,70
31,201 - 32,200	XX	○	376,70
32,201 - 33,200	XX	○	384,00
33,201 - 34,200	XX	○	384,00
34,201 - 35,200	XX	○	398,50
35,201 - 36,200	XX	○	398,50
36,201 - 37,200	XX	○	410,90
37,201 - 38,200	XX	○	410,90
38,201 - 39,200	XX	○	424,40
39,201 - 40,200	XX	○	424,40

XR 06 I B081632, für Durchgangsbohrung VA
XR 06 I B081632, for through bore stainless steel

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,000 - 8,200	XX	○	213,20
8,201 - 8,700	XX	○	213,20
8,701 - 9,200	XX	○	218,40
9,201 - 9,700	XX	○	224,60
9,701 - 10,200	XX	○	224,60
10,201 - 10,700	XX	○	231,80
10,701 - 11,200	XX	○	238,10
11,201 - 11,700	XX	○	238,10
11,701 - 12,200	XX	○	238,10
12,201 - 12,700	XX	○	247,40
12,701 - 13,200	XX	○	247,40
13,201 - 14,200	XX	○	259,80
14,201 - 15,200	XX	○	259,80
15,201 - 16,200	XX	○	259,80
16,201 - 17,200	XX	○	271,20
17,201 - 18,200	XX	○	271,20
18,201 - 19,200	XX	○	280,50
19,201 - 20,200	XX	○	280,50
20,201 - 21,200	XX	○	280,50
21,201 - 22,200	XX	○	296,00
22,201 - 23,200	XX	○	296,00
23,201 - 24,200	XX	○	304,30
24,201 - 25,200	XX	○	304,30
25,201 - 26,200	XX	○	312,60
26,201 - 27,200	XX	○	321,90
27,201 - 28,200	XX	○	321,90
28,201 - 29,200	XX	○	350,90
29,201 - 30,200	XX	○	350,90
30,201 - 31,200	XX	○	376,70
31,201 - 32,200	XX	○	376,70
32,201 - 33,200	XX	○	384,00
33,201 - 34,200	XX	○	384,00
34,201 - 35,200	XX	○	398,50
35,201 - 36,200	XX	○	398,50
36,201 - 37,200	XX	○	410,90
37,201 - 38,200	XX	○	410,90
38,201 - 39,200	XX	○	424,40
39,201 - 40,200	XX	○	424,40

XR 06 I B081633, für Durchgangsbohrung Titan
XR 06 I B081633, for through bore titanium

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,000 - 8,200	XX	○	213,20
8,201 - 8,700	XX	○	213,20
8,701 - 9,200	XX	○	218,40
9,201 - 9,700	XX	○	224,60
9,701 - 10,200	XX	○	224,60
10,201 - 10,700	XX	○	231,80
10,701 - 11,200	XX	○	238,10
11,201 - 11,700	XX	○	238,10
11,701 - 12,200	XX	○	238,10
12,201 - 12,700	XX	○	247,40
12,701 - 13,200	XX	○	247,40
13,201 - 14,200	XX	○	259,80
14,201 - 15,200	XX	○	259,80
15,201 - 16,200	XX	○	259,80
16,201 - 17,200	XX	○	271,20
17,201 - 18,200	XX	○	271,20
18,201 - 19,200	XX	○	280,50
19,201 - 20,200	XX	○	280,50
20,201 - 21,200	XX	○	280,50
21,201 - 22,200	XX	○	296,00
22,201 - 23,200	XX	○	296,00
23,201 - 24,200	XX	○	304,30
24,201 - 25,200	XX	○	304,30
25,201 - 26,200	XX	○	312,60
26,201 - 27,200	XX	○	321,90
27,201 - 28,200	XX	○	321,90
28,201 - 29,200	XX	○	350,90
29,201 - 30,200	XX	○	350,90
30,201 - 31,200	XX	○	376,70

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
31,201 - 32,200	XX	○	376,70
32,201 - 33,200	XX	○	384,00
33,201 - 34,200	XX	○	384,00
34,201 - 35,200	XX	○	398,50
35,201 - 36,200	XX	○	398,50
36,201 - 37,200	XX	○	410,90
37,201 - 38,200	XX	○	410,90
38,201 - 39,200	XX	○	424,40
39,201 - 40,200	XX	○	424,40

XR 06 I B081634, für Durchgangsbohrung Aluminium
XR 06 I B081634, for through bore aluminium

8,000 - 8,200	XX	○	222,50
8,201 - 8,700	XX	○	222,50
8,701 - 9,200	XX	○	227,70
9,201 - 9,700	XX	○	232,90
9,701 - 10,200	XX	○	233,90
10,201 - 10,700	XX	○	241,20
10,701 - 11,200	XX	○	248,40
11,201 - 11,700	XX	○	248,40
11,701 - 12,200	XX	○	249,40
12,201 - 12,700	XX	○	257,70
12,701 - 13,200	XX	○	257,70
13,201 - 14,200	XX	○	275,30
14,201 - 15,200	XX	○	275,30
15,201 - 16,200	XX	○	280,50
16,201 - 17,200	XX	○	289,80
17,201 - 18,200	XX	○	289,80
18,201 - 19,200	XX	○	299,10
19,201 - 20,200	XX	○	303,30
20,201 - 21,200	XX	○	303,30
21,201 - 22,200	XX	○	320,90
22,201 - 23,200	XX	○	320,90
23,201 - 24,200	XX	○	329,10
24,201 - 25,200	XX	○	329,10
25,201 - 26,200	XX	○	342,60
26,201 - 27,200	XX	○	349,80
27,201 - 28,200	XX	○	349,80
28,201 - 29,200	XX	○	379,90
29,201 - 30,200	XX	○	379,90
30,201 - 31,200	XX	○	405,70
31,201 - 32,200	XX	○	418,10
32,201 - 33,200	XX	○	425,40
33,201 - 34,200	XX	○	425,40
34,201 - 35,200	XX	○	439,90
35,201 - 36,200	XX	○	453,30
36,201 - 37,200	XX	○	467,80
37,201 - 38,200	XX	○	467,80
38,201 - 39,200	XX	○	480,20
39,201 - 40,200	XX	○	480,20

XR 06 I B081639, für Durchgangsbohrung Guss
XR 06 I B081639, for through bore molding

8,000 - 8,200	XX	○	226,70
8,201 - 8,700	XX	○	226,70
8,701 - 9,200	XX	○	231,80
9,201 - 9,700	XX	○	237,00
9,701 - 10,200	XX	○	236,00

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
10,201 - 10,700	XX	○	243,20
10,701 - 11,200	XX	○	250,50
11,201 - 11,700	XX	○	250,50
11,701-12,200	XX	○	250,50
12,201-12,700	XX	○	258,80
12,701-13,200	XX	○	258,80
13,201-14,200	XX	○	271,20
14,201-15,200	XX	○	277,40
15,201-16,200	XX	○	274,30
16,201-17,200	XX	○	283,60
17,201-18,200	XX	○	283,60
18,201-19,200	XX	○	292,90
19,201-20,200	XX	○	291,90
20,201-21,200	XX	○	291,90
21,201-22,200	XX	○	307,40
22,201-23,200	XX	○	307,40
23,201-24,200	XX	○	316,70
24,201-25,200	XX	○	316,70
25,201-26,200	XX	○	324,00
26,201-27,200	XX	○	331,20
27,201-28,200	XX	○	331,20
28,201-29,200	XX	○	360,20
29,201-30,200	XX	○	374,70
30,201-31,200	XX	○	400,60
31,201-32,200	XX	○	394,30
32,201-33,200	XX	○	401,60
33,201-34,200	XX	○	401,60
34,201-35,200	XX	○	415,00
35,201-36,200	XX	○	407,80
36,201-37,200	XX	○	421,30
37,201-38,200	XX	○	421,30
38,201-39,200	XX	○	433,70
39,201-40,200	XX	○	433,70

XR 01 I B081605, für Durchgangsbohrung
XR 01 I B081605, for through bore

8,000-8,700	XA	○	531,00
8,701-9,200	XA	○	531,00
9,201-9,600	XA	○	531,00
9,601-9,700	XA	○	531,00
9,701-10,000	XA	○	574,00
10,001-10,200	XA	○	574,00
10,201-10,700	XA	○	574,00
10,701-11,200	XA	○	593,00
11,201-11,700	XA	○	593,00
11,701-12,200	XA	○	593,00
12,201-12,700	XA	○	593,00
12,701-13,200	XA	○	593,00
13,201-14,200	XA	○	593,00
14,201-15,200	XA	○	593,00
15,201-15,600	XA	○	593,00
15,601-16,200	XA	○	593,00
16,201-17,200	XA	○	623,00
17,201-18,200	XA	○	629,00
18,201-19,200	XA	○	629,00
19,201-20,000	XA	○	629,00
20,001-20,200	XA	○	629,00
20,201-21,200	XA	○	635,00

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
21,201 - 21,300	XA	○	635,00
21,301 - 22,200	XA	○	635,00
22,201 - 23,200	XA	○	635,00
23,201 - 24,200	XA	○	635,00
24,201 - 25,200	XA	○	653,00
25,201 - 26,200	XA	○	653,00
26,201 - 27,200	XA	○	653,00
27,201 - 28,200	XA	○	653,00
28,201 - 29,200	XA	○	653,00
29,201 - 30,200	XA	○	653,00
30,201 - 31,200	XA	○	760,00
31,201 - 32,200	XA	○	760,00
32,201 - 33,200	XA	○	760,00
33,201 - 34,200	XA	○	760,00
34,201 - 35,200	XA	○	760,00
35,201 - 36,200	XA	○	760,00
36,201 - 37,200	XA	○	788,00
37,201 - 38,200	XA	○	788,00
38,201 - 39,200	XA	○	788,00
39,201 - 40,200	XA	○	788,00

XR 01 I B081610, für Durchgangsbohrung
XR 01 I B081610, for through bore

8,000 - 8,700	XX	○	181,10
8,701 - 9,200	XX	○	181,10
9,201 - 9,600	XX	○	181,10
9,601 - 9,700	XX	○	181,10
9,701 - 10,000	XX	○	199,80
10,001 - 10,200	XX	○	199,80
10,201 - 10,700	XX	○	199,80
10,701 - 11,200	XX	○	199,80
11,201 - 11,700	XX	○	199,80
11,701 - 12,200	XX	○	199,80
12,201 - 12,700	XX	○	199,80
12,701 - 13,200	XX	○	212,20
13,201 - 14,200	XX	○	212,20
14,201 - 15,200	XX	○	212,20
15,201 - 15,600	XX	○	212,20
15,601 - 16,200	XX	○	212,20
16,201 - 17,200	XX	○	212,20
17,201 - 18,200	XX	○	223,60
18,201 - 19,200	XX	○	223,60
19,201 - 20,000	XX	○	223,60
20,001 - 20,200	XX	○	223,60
20,201 - 21,200	XX	○	229,80
21,201 - 21,300	XX	○	229,80
21,301 - 22,200	XX	○	229,80
22,201 - 23,200	XX	○	229,80
23,201 - 24,200	XX	○	229,80
24,201 - 25,200	XX	○	246,30
25,201 - 26,200	XX	○	246,30
26,201 - 27,200	XX	○	246,30
27,201 - 28,200	XX	○	246,30
28,201 - 29,200	XX	○	274,30
29,201 - 30,200	XX	○	274,30
30,201 - 31,200	XX	○	301,20
31,201 - 32,200	XX	○	301,20
32,201 - 33,200	XX	○	301,20

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
33,201 - 34,200	XX	○	301,20
34,201 - 35,200	XX	○	301,20
35,201 - 36,200	XX	○	301,20
36,201 - 37,200	XX	○	315,70
37,201 - 38,200	XX	○	315,70
38,201 - 39,200	XX	○	315,70
39,201 - 40,000	XX	○	315,70
40,001 - 40,200	XX	○	315,70

XR 01 I B081611, für Durchgangsbohrung
XR 01 I B081611, for through bore

8,000 - 8,700	XX	○	198,70
8,701 - 9,200	XX	○	198,70
9,201 - 9,600	XX	○	198,70
9,601 - 9,700	XX	○	198,70
9,701 - 10,000	XX	○	223,60
10,001 - 10,200	XX	○	223,60
10,201 - 10,700	XX	○	223,60
10,701 - 11,200	XX	○	223,60
11,201 - 11,700	XX	○	223,60
11,701 - 12,200	XX	○	223,60
12,201 - 12,700	XX	○	223,60
12,701 - 13,200	XX	○	236,00
13,201 - 14,200	XX	○	236,00
14,201 - 15,200	XX	○	236,00
15,201 - 15,600	XX	○	236,00
15,601 - 16,200	XX	○	236,00
16,201 - 17,200	XX	○	236,00
17,201 - 18,200	XX	○	247,40
18,201 - 19,200	XX	○	247,40
19,201 - 20,000	XX	○	247,40
20,001 - 20,200	XX	○	247,40
20,201 - 21,200	XX	○	257,70
21,201 - 21,300	XX	○	257,70
21,301 - 22,200	XX	○	257,70
22,201 - 23,200	XX	○	257,70
23,201 - 24,200	XX	○	257,70
24,201 - 25,200	XX	○	276,40
25,201 - 26,200	XX	○	276,40
26,201 - 27,200	XX	○	276,40
27,201 - 28,200	XX	○	276,40
28,201 - 29,200	XX	○	303,30
29,201 - 30,200	XX	○	303,30
30,201 - 31,200	XX	○	336,40
31,201 - 32,200	XX	○	336,40
32,201 - 33,200	XX	○	336,40
33,201 - 34,200	XX	○	336,40
34,201 - 35,200	XX	○	336,40
35,201 - 36,200	XX	○	336,40
36,201 - 37,200	XX	○	350,90
37,201 - 38,200	XX	○	350,90
38,201 - 39,200	XX	○	350,90
39,201 - 40,000	XX	○	350,90
40,001 - 40,200	XX	○	350,90

XR 01 I B081612, für Durchgangsbohrung
XR 01 I B081612, for through bore

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
8,000 - 8,700	XX	○	206,00
8,701 - 9,200	XX	○	206,00
9,201 - 9,700	XX	○	206,00
9,701 - 10,000	XX	○	230,80
10,001 - 10,200	XX	○	230,80
10,201 - 10,700	XX	○	230,80
10,701 - 11,200	XX	○	230,80
11,201 - 11,700	XX	○	230,80
11,701 - 12,200	XX	○	230,80
12,201 - 12,700	XX	○	230,80
12,701 - 13,200	XX	○	245,30
13,201 - 14,200	XX	○	245,30
14,201 - 15,200	XX	○	245,30
15,201 - 16,200	XX	○	245,30
16,201 - 17,200	XX	○	245,30
17,201 - 18,200	XX	○	257,70
18,201 - 19,200	XX	○	257,70
19,201 - 20,000	XX	○	257,70
20,001 - 20,200	XX	○	257,70
20,201 - 21,200	XX	○	267,00
21,201 - 22,200	XX	○	267,00
22,201 - 23,200	XX	○	267,00
23,201 - 24,200	XX	○	267,00
24,201 - 25,200	XX	○	285,70
25,201 - 26,200	XX	○	285,70
26,201 - 27,200	XX	○	285,70
27,201 - 28,200	XX	○	285,70
28,201 - 29,200	XX	○	313,60
29,201 - 30,200	XX	○	313,60
30,201 - 31,200	XX	○	347,80
31,201 - 32,200	XX	○	347,80
32,201 - 33,200	XX	○	347,80
33,201 - 34,200	XX	○	347,80
34,201 - 35,200	XX	○	347,80
35,201 - 36,200	XX	○	347,80
36,201 - 37,200	XX	○	363,30
37,201 - 38,200	XX	○	363,30
38,201 - 39,200	XX	○	363,30
39,201 - 40,000	XX	○	363,30
40,001 - 40,200	XX	○	363,30

XR 01 I B081618, für Durchgangsbohrung
XR 01 I B081618, for through bore

8,000 - 8,700	XX	○	198,70
8,701 - 9,200	XX	○	198,70
9,201 - 9,700	XX	○	198,70
9,701 - 10,000	XX	○	223,60
10,001 - 10,200	XX	○	223,60
10,201 - 10,700	XX	○	223,60
10,701- 11,200	XX	○	223,60
11,201 - 11,700	XX	○	223,60
11,701 - 12,200	XX	○	223,60
12,201 - 12,700	XX	○	223,60
12,701 - 13,200	XX	○	236,00
13,201 - 14,200	XX	○	236,00
14,201 - 15,200	XX	○	236,00
15,201 - 16,200	XX	○	236,00
16,201 - 17,200	XX	○	236,00
17,201 - 18,200	XX	○	247,40
18,201 - 19,200	XX	○	247,40
19,201 - 20,000	XX	○	247,40
20,001 - 20,200	XX	○	247,40
20,201 - 21,200	XX	○	257,70
21,201 - 22,200	XX	○	257,70
22,201 - 23,200	XX	○	257,70
23,201 - 24,200	XX	○	257,70
24,201 - 25,200	XX	○	276,40
25,201 - 26,200	XX	○	276,40
26,201 - 27,200	XX	○	276,40
27,201 - 28,200	XX	○	276,40
28,201 - 29,200	XX	○	303,30
29,201 - 30,200	XX	○	303,30
30,201 - 31,200	XX	○	336,40
31,201 - 32,200	XX	○	336,40
32,201 - 33,200	XX	○	336,40
33,201 - 34,200	XX	○	336,40
34,201 - 35,200	XX	○	336,40
35,201 - 36,200	XX	○	336,40
36,201 - 37,200	XX	○	350,90
37,201 - 38,200	XX	○	350,90
38,201 - 39,200	XX	○	350,90
39,201 - 40,000	XX	○	350,90
40,001 - 40,200	XX	○	350,90

Wechselkopfreibahlen XR, Vorzugsbaureihen
Replaceable head reamers XR, preferred series

XR 06 | B081661, für Grundbohrung Stahl+Guss
XR 06 | B081661, for blind bore steel+cast iron

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
10,00	H7	30461250	XX	○	224,60
10,50	H7	30461259	XX	○	231,80
11,00	H7	30461261	XX	○	238,10
11,50	H7	30461263	XX	○	238,10
12,00	H7	30461267	XX	○	238,10
12,50	H7	30461271	XX	○	247,40
13,00	H7	30461273	XX	○	247,40
14,00	H7	30461274	XX	○	259,80
15,00	H7	30461275	XX	○	259,80
16,00	H7	30461276	XX	●	239,10
17,00	H7	30461278	XX	○	271,20
18,00	H7	30461279	XX	○	271,20
19,00	H7	30461281	XX	○	280,50
20,00	H7	30461283	XX	●	257,70
21,00	H7	30552644	XX	○	280,50
22,00	H7	30552645	XX	●	275,30
23,00	H7	30552646	XX	○	296,00
24,00	H7	30552648	XX	○	304,30
25,00	H7	30552649	XX	●	282,60
26,00	H7	30552650	XX	○	312,60
27,00	H7	30552651	XX	○	321,90
28,00	H7	30552652	XX	○	321,90
29,00	H7	30552653	XX	○	350,90
30,00	H7	30552654	XX	●	324,00
31,00	H7	30552655	XX	○	376,70
32,00	H7	30552656	XX	○	349,80
33,00	H7	30552657	XX	○	384,00
34,00	H7	30552658	XX	○	384,00
35,00	H7	30552659	XX	○	398,50
36,00	H7	30552660	XX	○	398,50
37,00	H7	30552661	XX	○	410,90
38,00	H7	30552662	XX	○	410,90
39,00	H7	30552663	XX	○	424,40
40,00	H7	30552664	XX	○	394,30

XR 06 | B081662, für Grundbohrung VA
XR 06 | B081662, for blind bore stainless steel

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
10,00	H7	30967391	XX	○	224,60
10,50	H7	30967392	XX	○	231,80
11,00	H7	30967393	XX	○	238,10
11,50	H7	30967394	XX	○	238,10
12,00	H7	30967395	XX	○	238,10
12,50	H7	30967396	XX	○	247,40
13,00	H7	30967397	XX	○	247,40
14,00	H7	30967398	XX	○	259,80
15,00	H7	30967399	XX	○	259,80
16,00	H7	30967400	XX	○	259,80
17,00	H7	30967401	XX	○	271,20
18,00	H7	30967402	XX	○	271,20
19,00	H7	30967403	XX	○	280,50
20,00	H7	30967404	XX	○	280,50
21,00	H7	30967405	XX	○	280,50
22,00	H7	30967406	XX	○	296,00
23,00	H7	30967407	XX	○	296,00
24,00	H7	30967408	XX	○	304,30
25,00	H7	30967409	XX	○	304,30
26,00	H7	30967410	XX	○	312,60
27,00	H7	30967411	XX	○	321,90
28,00	H7	30967412	XX	○	321,90
29,00	H7	30967413	XX	○	350,90
30,00	H7	30967414	XX	○	350,90
31,00	H7	30967415	XX	○	376,70
32,00	H7	30967416	XX	○	376,70
33,00	H7	30967417	XX	○	384,00
34,00	H7	30967418	XX	○	384,00
35,00	H7	30967419	XX	○	398,50
36,00	H7	30967420	XX	○	398,50
37,00	H7	30967421	XX	○	410,90
38,00	H7	30967422	XX	○	410,90
39,00	H7	30967423	XX	○	424,40
40,00	H7	30967424	XX	○	424,40

XR 06 | B081663, für Grundbohrung Titan
XR 06 | B081663, for blind bore titanium

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
10,00	H7	30967425	XX	○	224,60
10,50	H7	30967426	XX	○	231,80
11,00	H7	30967427	XX	○	238,10
11,50	H7	30967428	XX	○	238,10
12,00	H7	30967429	XX	○	238,10
12,50	H7	30967430	XX	○	247,40
13,00	H7	30967431	XX	○	247,40
14,00	H7	30967432	XX	○	259,80
15,00	H7	30967433	XX	○	259,80
16,00	H7	30967434	XX	○	259,80
17,00	H7	30967435	XX	○	271,20
18,00	H7	30967436	XX	○	271,20
19,00	H7	30967437	XX	○	280,50
20,00	H7	30967438	XX	○	280,50
21,00	H7	30967439	XX	○	280,50
22,00	H7	30967440	XX	○	296,00
23,00	H7	30967441	XX	○	296,00
24,00	H7	30967442	XX	○	304,30
25,00	H7	30967443	XX	○	304,30
26,00	H7	30967444	XX	○	312,60
27,00	H7	30967445	XX	○	321,90
28,00	H7	30967446	XX	○	321,90
29,00	H7	30967447	XX	○	350,90
30,00	H7	30967448	XX	○	350,90
31,00	H7	30967449	XX	○	376,70
32,00	H7	30967450	XX	○	376,70
33,00	H7	30967451	XX	○	384,00
34,00	H7	30967452	XX	○	384,00
35,00	H7	30967453	XX	○	398,50
36,00	H7	30967454	XX	○	398,50
37,00	H7	30967455	XX	○	410,90
38,00	H7	30967456	XX	○	410,90
39,00	H7	30967457	XX	○	424,40
40,00	H7	30967458	XX	○	424,40

XR 06 I B081664, für Grundbohrung Aluminium
XR 06 I B081664, for blind bore aluminum

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
10,00	H7	30967459	XX	○	233,90
10,50	H7	30967460	XX	○	241,20
11,00	H7	30967461	XX	○	248,40
11,50	H7	30967462	XX	○	248,40
12,00	H7	30967463	XX	○	249,40
12,50	H7	30967464	XX	○	257,70
13,00	H7	30967465	XX	○	257,70
14,00	H7	30967466	XX	○	275,30
15,00	H7	30967467	XX	○	275,30
16,00	H7	30967468	XX	○	280,50
17,00	H7	30967469	XX	○	289,80
18,00	H7	30967470	XX	○	289,80
19,00	H7	30967471	XX	○	299,10
20,00	H7	30967472	XX	○	303,30
21,00	H7	30967473	XX	○	303,30
22,00	H7	30967474	XX	○	320,90
23,00	H7	30967475	XX	○	320,90
24,00	H7	30967476	XX	○	329,10
25,00	H7	30967477	XX	○	329,10
26,00	H7	30967478	XX	○	342,60
27,00	H7	30967479	XX	○	349,80
28,00	H7	30967480	XX	○	349,80
29,00	H7	30967481	XX	○	379,90
30,00	H7	30967482	XX	○	379,90
31,00	H7	30967483	XX	○	405,70
32,00	H7	30967484	XX	○	418,10
33,00	H7	30967485	XX	○	425,40
34,00	H7	30967486	XX	○	425,40
35,00	H7	30967487	XX	○	439,90
36,00	H7	30967488	XX	○	453,30
37,00	H7	30967489	XX	○	467,80
38,00	H7	30967491	XX	○	467,80
39,00	H7	30967492	XX	○	480,20
40,00	H7	30967493	XX	○	480,20

XR 06 I B081669, für Grundbohrung Guss
XR 06 I B081669, for blind bore cast iron

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
10,00	H7	30998244	XX	○	236,00
10,50	H7	30998245	XX	○	243,20
11,00	H7	30998246	XX	○	250,50
11,50	H7	30998247	XX	○	250,50
12,00	H7	30998248	XX	○	250,50
12,50	H7	30998249	XX	○	258,80
13,00	H7	30998250	XX	○	258,80
14,00	H7	30998251	XX	○	271,20
15,00	H7	30998252	XX	○	277,40
16,00	H7	30998253	XX	○	274,30
17,00	H7	30998254	XX	○	283,60
18,00	H7	30998255	XX	○	283,60
19,00	H7	30998256	XX	○	292,90
20,00	H7	30998257	XX	○	291,90
21,00	H7	30998258	XX	○	291,90
22,00	H7	30998259	XX	○	307,40
23,00	H7	30998260	XX	○	307,40
24,00	H7	30998261	XX	○	316,70
25,00	H7	30998262	XX	○	316,70
26,00	H7	30998263	XX	○	324,00
27,00	H7	30998264	XX	○	331,20
28,00	H7	30998265	XX	○	331,20
29,00	H7	30998266	XX	○	360,20
30,00	H7	30998267	XX	○	374,70
31,00	H7	30998268	XX	○	400,60
32,00	H7	30998269	XX	○	394,30
33,00	H7	30998280	XX	○	401,60
34,00	H7	30998281	XX	○	401,60
35,00	H7	30998282	XX	○	415,00
36,00	H7	30998283	XX	○	407,80
37,00	H7	30998284	XX	○	421,30
38,00	H7	30998285	XX	○	421,30
39,00	H7	30998286	XX	○	433,70
40,00	H7	30998291	XX	○	433,70

XR 01 I B081650, für Grundbohrung
XR 01 I B081650, for blind bore

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
14,00	H7	30383271	XX	○	212,20
16,00	H7	30383272	XX	○	212,20
18,00	H7	30383273	XX	○	223,60
20,00	H7	30383274	XX	○	223,60
22,00	H7	30383275	XX	○	229,80
24,00	H7	30383276	XX	○	229,80
25,00	H7	30383277	XX	○	246,30
26,00	H7	30383278	XX	○	246,30
28,00	H7	30383279	XX	○	246,30
30,00	H7	30383280	XX	○	275,30
32,00	H7	30455254	XX	○	300,20
34,00	H7	30455256	XX	○	300,20
36,00	H7	30455257	XX	○	300,20
38,00	H7	30455258	XX	○	313,60
40,00	H7	30455259	XX	○	313,60

XR 01 I B081651, für Grundbohrung
XR 01 I B081651, for blind bore

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
14,00	H7	30383259	XX	○	217,40
16,00	H7	30383260	XX	○	217,40
18,00	H7	30383261	XX	○	227,70
20,00	H7	30383262	XX	○	227,70
22,00	H7	30383263	XX	○	236,00
24,00	H7	30383264	XX	○	236,00
25,00	H7	30383265	XX	○	250,50
26,00	H7	30383267	XX	○	250,50
28,00	H7	30383268	XX	○	250,50
30,00	H7	30383269	XX	○	279,50
32,00	H7	30455248	XX	○	309,50
34,00	H7	30455250	XX	○	309,50
36,00	H7	30455251	XX	○	309,50
38,00	H7	30455252	XX	○	341,60
40,00	H7	30455253	XX	○	341,60

XR 01 I B081652, für Grundbohrung
XR 01 I B081652, for blind bore

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
14,00	H7	30383237	XX	○	225,60
16,00	H7	30383238	XX	○	225,60
18,00	H7	30383239	XX	○	235,00

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
20,00	H7	30383240	XX	○	235,00
22,00	H7	30383241	XX	○	245,30
24,00	H7	30383242	XX	○	245,30
25,00	H7	30383243	XX	○	260,80
26,00	H7	30383244	XX	○	260,80
28,00	H7	30383245	XX	○	260,80
30,00	H7	30383246	XX	○	288,80
32,00	H7	30455238	XX	○	321,90
34,00	H7	30455239	XX	○	321,90
36,00	H7	30455240	XX	○	321,90
38,00	H7	30455241	XX	○	352,90
40,00	H7	30455242	XX	○	352,90

XR 01 I B081655, für Grundbohrung
XR 01 I B081655, for blind bore

14,00	H7	30383282	XA	○	592,00
16,00	H7	30383283	XA	○	592,00
18,00	H7	30383284	XA	○	623,00
20,00	H7	30383285	XA	○	623,00
22,00	H7	30383286	XA	○	634,00
24,00	H7	30383287	XA	○	635,00
25,00	H7	30383288	XA	○	635,00
26,00	H7	30383289	XA	○	635,00
28,00	H7	30383290	XA	○	654,00
30,00	H7	30383291	XA	○	692,00
32,00	H7	30455260	XA	○	760,00
34,00	H7	30455261	XA	○	760,00
36,00	H7	30455262	XA	○	760,00
38,00	H7	30455263	XA	○	788,00
40,00	H7	30455264	XA	○	788,00

XR 01 I B081659, für Grundbohrung
XR 01 I B081659, for blind bore

14,00	H7	30383248	XX	○	236,00
16,00	H7	30383249	XX	○	236,00
18,00	H7	30383250	XX	○	247,40
20,00	H7	30383251	XX	○	247,40
22,00	H7	30383252	XX	○	257,70
24,00	H7	30383253	XX	○	257,70
25,00	H7	30383254	XX	○	276,40
26,00	H7	30383255	XX	○	276,40
28,00	H7	30383256	XX	○	276,40
30,00	H7	30383257	XX	○	303,30
32,00	H7	30455243	XX	○	336,40
34,00	H7	30455244	XX	○	336,40
36,00	H7	30455245	XX	○	336,40
38,00	H7	30455246	XX	○	350,90
40,00	H7	30455247	XX	○	350,90

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €

Wechselkopfreibahlen XR, konfigurierbare Baureihen
Replaceable head reamers XR, configurable series

XR 06 I B081661, für Grundbohrung Stahl+Guss
XR 06 I B081661, for blind bore steel+cast iron

9,701 - 10,200	XX	○	224,60
10,201 - 10,700	XX	○	231,80
10,701 - 11,200	XX	○	238,10
11,201 - 11,700	XX	○	238,10
11,701 - 12,200	XX	○	238,10
12,201 - 12,700	XX	○	247,40
12,701 - 13,200	XX	○	247,40
13,201 - 14,200	XX	○	259,80
14,201 - 15,200	XX	○	259,80
15,201 - 16,200	XX	○	259,80
16,201 - 17,200	XX	○	271,20
17,201 - 18,200	XX	○	271,20
18,201 - 19,200	XX	○	280,50
19,201 - 20,200	XX	○	280,50
20,201 - 21,200	XX	○	280,50
21,201 - 22,200	XX	○	296,00
22,201 - 23,200	XX	○	296,00
23,201 - 24,200	XX	○	304,30
24,201 - 25,200	XX	○	304,30
25,201 - 26,200	XX	○	312,60
26,201 - 27,200	XX	○	321,90
27,201 - 28,200	XX	○	321,90
28,201 - 29,200	XX	○	350,90
29,201 - 30,200	XX	○	350,90
30,201 - 31,200	XX	○	376,70
31,201 - 32,200	XX	○	376,70
32,201 - 33,200	XX	○	384,00
33,201 - 34,200	XX	○	384,00
34,201 - 35,200	XX	○	398,50
35,201 - 36,200	XX	○	398,50
36,201 - 37,200	XX	○	410,90
37,201 - 38,200	XX	○	410,90
38,201 - 39,200	XX	○	424,40
39,201 - 40,200	XX	○	424,40

XR 06 I B081662, für Grundbohrung VA
XR 06 I B081662, for blind bore stainless steel

9,701 - 10,200	XX	○	224,60
10,201 - 10,700	XX	○	231,80
10,701 - 11,200	XX	○	238,10
11,201 -11,700	XX	○	238,10
11,701 - 12,200	XX	○	238,10
12,201 - 12,700	XX	○	247,40
12,701 - 13,200	XX	○	247,40
13,201 - 14,200	XX	○	259,80
14,201 - 15,200	XX	○	259,80
15,201 - 16,200	XX	○	259,80
16,201 - 17,200	XX	○	271,20
17,201 - 18,200	XX	○	271,20
18,201 - 19,200	XX	○	280,50
19,201 - 20,200	XX	○	280,50
20,201 - 21,200	XX	○	280,50
21,201 - 22,200	XX	○	296,00

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
22,201 - 23,200	XX	○	296,00
23,201 - 24,200	XX	○	304,30
24,201 - 25,200	XX	○	304,30
25,201 - 26,200	XX	○	312,60
26,201 - 27,200	XX	○	321,90
27,201 - 28,200	XX	○	321,90
28,201 - 29,200	XX	○	350,90
29,201 - 30,200	XX	○	350,90
30,201 - 31,200	XX	○	376,70
31,201 - 32,200	XX	○	376,70
32,201 - 33,200	XX	○	384,00
33,201 - 34,200	XX	○	384,00
34,201 - 35,200	XX	○	398,50
35,201 - 36,200	XX	○	398,50
36,201 - 37,200	XX	○	410,90
37,201 - 38,200	XX	○	410,90
38,201 - 39,200	XX	○	424,40
39,201 - 40,200	XX	○	424,40

XR 06 I B081663, für Grundbohrung Titan
XR 06 I B081663, for blind bore titanium

9,701 - 10,200	XX	○	224,60
10,201 - 10,700	XX	○	231,80
10,701 - 11,200	XX	○	238,10
11,201 - 11,700	XX	○	238,10
11,701 - 12,200	XX	○	238,10
12,201 - 12,700	XX	○	247,40
12,701 - 13,200	XX	○	247,40
13,201 - 14,200	XX	○	259,80
14,201 - 15,200	XX	○	259,80
15,201 - 16,200	XX	○	259,80
16,201 - 17,200	XX	○	271,20
17,201 - 18,200	XX	○	271,20
18,201 - 19,200	XX	○	280,50
19,201 - 20,200	XX	○	280,50
20,201 - 21,200	XX	○	280,50
21,201 - 22,200	XX	○	296,00
22,201 - 23,200	XX	○	296,00
23,201 - 24,200	XX	○	304,30
24,201 - 25,200	XX	○	304,30
25,201 - 26,200	XX	○	312,60
26,201 - 27,200	XX	○	321,90
27,201 - 28,200	XX	○	321,90
28,201 - 29,200	XX	○	350,90
29,201 - 30,200	XX	○	350,90
30,201 - 31,200	XX	○	376,70
31,201 - 32,200	XX	○	376,70
32,201 - 33,200	XX	○	384,00
33,201 - 34,200	XX	○	384,00
34,201 - 35,200	XX	○	398,50
35,201 - 36,200	XX	○	398,50
36,201 - 37,200	XX	○	410,90
37,201-38,200	XX	○	410,90
38,201 - 39,200	XX	○	424,40
39,201 - 40,200	XX	○	424,40

XR 06 I B081664, für Grundbohrung Aluminium
XR 06 I B081664, for blind bore aluminium

9,701 - 10,200	XX	○	233,90
10,201 - 10,700	XX	○	241,20
10,701 - 11,200	XX	○	248,40
11,201 - 11,700	XX	○	248,40
11,701 - 12,200	XX	○	249,40
12,201 - 12,700	XX	○	257,70
12,701 - 13,200	XX	○	257,70
13,201 - 14,200	XX	○	275,30
14,201 - 15,200	XX	○	275,30
15,201 - 16,200	XX	○	280,50
16,201 - 17,200	XX	○	289,80
17,201 - 18,200	XX	○	289,80
18,201 - 19,200	XX	○	299,10
19,201 - 20,200	XX	○	303,30
20,201 - 21,200	XX	○	303,30
21,201 - 22,200	XX	○	320,90
22,201 - 23,200	XX	○	320,90
23,201 - 24,200	XX	○	329,10
24,201 - 25,200	XX	○	329,10
25,201 - 26,200	XX	○	342,60
26,201 - 27,200	XX	○	349,80
27,201 - 28,200	XX	○	349,80
28,201 - 29,200	XX	○	379,90
29,201 - 30,200	XX	○	379,90
30,201 - 31,200	XX	○	405,70
31,201- 32,200	XX	○	418,10
32,201 - 33,200	XX	○	425,40
33,201 - 34,200	XX	○	425,40
34,201 - 35,200	XX	○	439,90
35,201 - 36,200	XX	○	453,30
36,201 - 37,200	XX	○	467,80
37,201 - 38,200	XX	○	467,80
38,201 - 39,200	XX	○	480,20
39,201 - 40,200	XX	○	480,20

XR 06 I B081669, für Grundbohrung Guss
XR 06 I B081669, for blind bore cast iron

9,701 - 10,200	XX	○	236,00
10,201 - 10,700	XX	○	243,20
10,701 - 11,200	XX	○	250,50
11,201 - 11,700	XX	○	250,50
11,701 - 12,200	XX	○	250,50
12,201 - 12,700	XX	○	258,80
12,701 - 13,200	XX	○	258,80
13,201 - 14,200	XX	○	271,20
14,201 - 15,200	XX	○	277,40
15,201 - 16,200	XX	○	274,30
16,201 - 17,200	XX	○	283,60
17,201 - 18,200	XX	○	283,60
18,201 - 19,200	XX	○	292,90
19,201 - 20,200	XX	○	291,90
20,201 - 21,200	XX	○	291,90
21,201 - 22,200	XX	○	307,40
22,201 - 23,200	XX	○	307,40
23,201 - 24,200	XX	○	316,70

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
24,201 - 25,200	XX	○	316,70
25,201 - 26,200	XX	○	324,00
26,201 - 27,200	XX	○	331,20
27,201 - 28,200	XX	○	331,20
28,201 - 29,200	XX	○	360,20
29,201 - 30,200	XX	○	374,70
30,201 - 31,200	XX	○	400,60
31,201 - 32,200	XX	○	394,30
32,201 - 33,200	XX	○	401,60
33,201 - 34,200	XX	○	401,60
34,201 - 35,200	XX	○	415,00
35,201 - 36,200	XX	○	407,80
36,201 - 37,200	XX	○	421,30
37,201 - 38,200	XX	○	421,30
38,201 - 39,200	XX	○	433,70
39,201 - 40,200	XX	○	433,70

XR 01 I B081650, für Grundbohrung
XR 01 I B081650, for blind bore

12,201 - 12,700	XX	○	200,80
12,701 - 13,200	XX	○	212,20
13,201 - 14,200	XX	○	212,20
14,201 - 15,200	XX	○	212,20
15,201 - 15,600	XX	○	212,20
15,601 - 16,200	XX	○	212,20
16,201 - 17,200	XX	○	212,20
17,201 - 18,200	XX	○	223,60
18,201 - 19,200	XX	○	223,60
19,201 - 20,000	XX	○	223,60
20,001 - 20,200	XX	○	223,60
20,201 - 21,200	XX	○	229,80
21,201 - 21,300	XX	○	229,80
21,301 - 22,200	XX	○	229,80
22,201 - 23,200	XX	○	229,80
23,201 - 24,200	XX	○	229,80
24,201 - 25,200	XX	○	246,30
25,201 - 26,200	XX	○	246,30
26,201 - 27,200	XX	○	246,30
27,201 - 28,200	XX	○	246,30
28,201 - 29,200	XX	○	275,30
29,201 - 30,200	XX	○	275,30
30,201 - 31,200	XX	○	300,20
31,201 - 32,200	XX	○	300,20
32,201 - 33,200	XX	○	300,20
33,201 - 34,200	XX	○	300,20
34,201 - 35,200	XX	○	300,20
35,201 - 36,200	XX	○	300,20
36,201 - 37,200	XX	○	313,60
37,201 - 38,200	XX	○	313,60
38,201 - 39,200	XX	○	313,60
39,201 - 40,000	XX	○	313,60
40,001 - 40,200	XX	○	313,60

XR 01 I B081651, für Grundbohrung
XR 01 I B081651, for blind bore

12,201 - 12,700	XX	○	223,60
12,701 - 13,200	XX	○	236,00
13,201 - 14,200	XX	○	236,00

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
14,201 - 15,200	XX	○	236,00
15,201 - 15,600	XX	○	236,00
15,601 - 16,200	XX	○	236,00
16,201 - 17,200	XX	○	236,00
17,201 - 18,200	XX	○	247,40
18,201 - 19,200	XX	○	247,40
19,201 - 20,000	XX	○	247,40
20,001 - 20,200	XX	○	247,40
20,201 - 21,200	XX	○	257,70
21,201 - 21,300	XX	○	257,70
21,301 - 22,200	XX	○	257,70
22,201 - 23,200	XX	○	257,70
23,201 - 24,200	XX	○	257,70
24,201 - 25,200	XX	○	276,40
25,201 - 26,200	XX	○	276,40
26,201 - 27,200	XX	○	276,40
27,201 - 28,200	XX	○	276,40
28,201 - 29,200	XX	○	303,30
29,201 - 30,200	XX	○	303,30
30,201 - 31,200	XX	○	336,40
31,201 - 32,200	XX	○	336,40
32,201 - 33,200	XX	○	336,40
33,201 - 34,200	XX	○	336,40
34,201 - 35,200	XX	○	336,40
35,201 - 36,200	XX	○	336,40
36,201 - 37,200	XX	○	350,90
37,201 - 38,200	XX	○	350,90
38,201 - 39,200	XX	○	350,90
39,201 - 40,000	XX	○	350,90
40,001 - 40,200	XX	○	350,90

XR 01 I B081652, für Grundbohrung
XR 01 I B081652, for blind bore

12,201 - 12,700	XX	○	230,80
12,701 - 13,200	XX	○	245,30
13,201 - 14,200	XX	○	245,30
14,201 - 15,200	XX	○	245,30
15,201 - 15,600	XX	○	245,30
15,601 - 16,200	XX	○	245,30
16,201 - 17,200	XX	○	245,30
17,201 - 18,200	XX	○	257,70
18,201-19,200	XX	○	257,70
19,201 - 20,000	XX	○	257,70
20,001 - 20,200	XX	○	257,70
20,201 - 21,200	XX	○	267,00
21,201 - 21,300	XX	○	267,00
21,301 - 22,200	XX	○	267,00
22,201 - 23,200	XX	○	267,00
23,201 - 24,200	XX	○	267,00
24,201 - 25,200	XX	○	285,70
25,201 - 26,200	XX	○	285,70
26,201 - 27,200	XX	○	285,70
27,201 - 28,200	XX	○	285,70
28,201 - 29,200	XX	○	313,60
29,201 - 30,200	XX	○	313,60
30,201 - 31,200	XX	○	347,80
31,201 - 32,200	XX	○	347,80
32,201 - 33,200	XX	○	347,80

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
33,201 - 34,200	XX	○	347,80
34,201 - 35,200	XX	○	347,80
35,201 - 36,200	XX	○	347,80
36,201 - 37,200	XX	○	363,30
37,201 - 38,200	XX	○	363,30
38,201 - 39,200	XX	○	363,30
39,201 - 40,000	XX	○	363,30
40,001 - 40,200	XX	○	363,30

XR 01 I B081655, für Grundbohrung
XR 01 I B081655, for blind bore

12,201 - 12,700	XA	○	593,00
12,701 - 13,200	XA	○	593,00
13,201 - 14,200	XA	○	593,00
14,201 - 15,200	XA	○	593,00
15,201 - 15,600	XA	○	593,00
15,601 - 16,200	XA	○	593,00
16,201 - 17,200	XA	○	623,00
17,201 - 18,200	XA	○	623,00
18,201 - 19,200	XA	○	623,00
19,201 - 20,000	XA	○	623,00
20,001 - 20,200	XA	○	623,00
20,201 - 21,200	XA	○	636,00
21,201 - 21,300	XA	○	636,00
21,301 - 22,200	XA	○	636,00
22,201 - 23,200	XA	○	636,00
23,201 - 24,200	XA	○	636,00
24,201 - 25,200	XA	○	636,00
25,201 - 26,200	XA	○	636,00
26,201 - 27,200	XA	○	655,00
27,201 - 28,200	XA	○	655,00
28,201 - 29,200	XA	○	692,00
29,201 - 30,200	XX	○	692,00
30,201 - 31,200	XA	○	760,00
31,201 - 32,200	XA	○	760,00
32,201 - 33,200	XA	○	760,00
33,201 - 34,200	XA	○	760,00
34,201 - 35,200	XA	○	760,00
35,201 - 36,200	XA	○	760,00
36,201 - 37,200	XA	○	788,00
37,201 - 38,200	XA	○	788,00
38,201 - 39,200	XA	○	788,00
39,201 - 40,000	XA	○	788,00
40,001 - 40,200	XA	○	788,00

XR 01 I B081659, für Grundbohrung
XR 01 I B081659, for blind bore

12,201 - 12,700	XX	○	223,60
12,701 - 13,200	XX	○	236,00
13,201 - 14,200	XX	○	236,00
14,201 - 15,200	XX	○	236,00
15,201 - 15,600	XX	○	236,00
15,601 - 16,200	XX	○	236,00
16,201 - 17,200	XX	○	236,00
17,201 - 18,200	XX	○	247,40
18,201 - 19,200	XX	○	247,40
19,201 - 20,000	XX	○	247,40
20,001 - 20,200	XX	○	247,40

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
20,201 - 21,200	XX	○	257,70
21,201 - 21,300	XX	○	257,70
21,301 - 22,200	XX	○	257,70
22,201 - 23,200	XX	○	257,70
23,201 - 24,200	XX	○	257,70
24,201 - 25,200	XX	○	276,40
25,201 - 26,200	XX	○	276,40
26,201 - 27,200	XX	○	276,40
27,201 - 28,200	XX	○	276,40
28,201 - 29,200	XX	○	303,30
29,201 - 30,200	XX	○	303,30
30,201 - 31,200	XX	○	336,40
31,201 - 32,200	XX	○	336,40
32,201 - 33,200	XX	○	336,40
33,201 - 34,200	XX	○	336,40
34,201 - 35,200	XX	○	336,40
35,201 - 36,200	XX	○	336,40
36,201 - 37,200	XX	○	350,90
37,201 - 38,200	XX	○	350,90
38,201 - 39,200	XX	○	350,90
39,201 - 40,000	XX	○	350,90
40,001 - 40,200	XX	○	350,90

Produktbeschreibung Product description	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
XR-Wechselkopf-Halter I B085101, mit innerer Kühlmittelzufuhr XR replaceable head holder I B085101, with internal coolant supply				
kurz / short / d1 = 7,8 mm	30350736	M7	○	100,00
kurz / short / d1 = 9,8 mm	30350742	M7	○	101,00
kurz / short / d1 = 11,8 mm	30350747	M7	○	116,00
kurz / short / d1 = 15,8 mm	30350752	M7	○	123,00
kurz / short / d1 = 19,8 mm	30350758	M7	○	144,00
kurz / short / d1 = 27,8 mm	30371461	M7	○	196,00
kurz / short / d1 = 26,0 mm	30839581	M7	○	215,00
lang / long / d1 = 7,8 mm	30350738	M7	○	166,00
lang / long / d1 = 9,8 mm	30350744	M7	○	169,00
lang / long / d1 = 11,8 mm	30350749	M7	○	173,00
lang / long / d1 = 15,8 mm	30350754	M7	○	209,00
lang / long / d1 = 19,8 mm	30350760	M7	○	243,00
lang / long / d1 = 27,8 mm	30371467	M7	○	269,00
lang / long / d1 = 26,0 mm	30839583	M7	○	410,00
Standard / d1 = 7,8 mm	30350737	M7	○	120,00
Standard / d1 = 9,8 mm	30350743	M7	○	122,00
Standard / d1 = 11,8 mm	30350748	M7	○	124,00
Standard / d1 = 15,8 mm	30350753	M7	○	149,00
Standard / d1 = 19,8 mm	30350759	M7	○	173,00
Standard / d1 = 27,8 mm	30371464	M7	○	229,00
Standard / d1 = 26,0 mm	30839582	M7	○	262,00
überlang / extra long / d1 = 15,8 mm	30350755	M7	○	377,00
überlang / extra long / d1 = 19,8 mm	30350761	M7	○	421,00
überlang / extra long / d1 = 26,0 mm	30839584	M7	○	632,00
Montageschlüssel Installation wrench				
sw = 6	30352660	IA	○	6,30
sw = 8	30352661	IA	○	6,40
sw = 10	30352662	IA	○	7,10
sw = 13	30352663	IA	○	7,50
sw = 16	30352667	IA	○	10,50
sw = 19	30394085	IA	○	13,30
sw = 21	30352668	IA	○	14,60
sw = 24	30352669	IA	○	15,50
sw = 27	30394086	IA	○	16,30
sw = 30	30394087	IA	○	17,60
Mauleinsteckschlüssel Combination wrench				
sw = 6	30376387	IA	○	43,90
sw = 8	30376388	IA	○	43,90
sw = 10	30376390	IA	○	43,90
sw = 13	30376392	IA	○	43,90
sw = 16	30376394	IA	○	43,90
sw = 19	30394090	IA	○	61,20
sw = 21	30376395	IA	○	57,60
sw = 24	30376396	IA	○	77,00
sw = 27	30394091	IA	○	79,50
sw = 30	30394092	IA	○	84,60
Drehmomentschlüssel für Mauleinsteckschlüssel Torque wrench for combination wrench				
14x18	30386736	IA	○	234,90
9x12	30386735	IA	○	186,90

MultiCut - Schneidringe
MultiCut - cutting rings

MN73101, nachstellbarer Schneidring, gerade Durchmesser mit Toleranz H7
MN73101, adjustable cutting ring, rounded diameter with tolerance H7

Spezifikation Specification	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
22,00 - 25,59	NL	○	173,00
25,60 - 28,59	NL	○	188,00
28,60 - 32,59	NL	○	200,00
32,60 - 36,59	NL	○	215,00
36,60 - 40,59	NL	○	232,00
40,60 - 45,59	NL	○	247,00
45,60 - 50,59	NL	○	265,00
50,60 - 55,59	NL	○	282,00
55,60 - 60,59	NL	○	299,00
60,60 - 65,59	NL	○	318,00
65,60 - 70,59	NL	○	337,00
70,60 - 75,59	NL	○	356,00
75,60 - 79,59	NL	○	376,00
79,60 - 85,59	NL	○	415,00
85,60 - 90,59	NL	○	435,00
90,60 - 95,59	NL	○	453,00
95,60 - 100,59	NL	○	476,00
100,60 - 110,59	NL	○	508,00
110,60 - 115,59	NL	○	550,00
115,60 - 120,59	NL	○	570,00
120,60 - 125,59	NL	○	589,00
125,60 - 139,59	NL	○	610,00
139,60 - 145,59	NL	○	642,00
145,60 - 155,59	NL	○	674,00
155,60 - 165,59	NL	○	708,00
165,60 - 175,59	NL	○	745,00
175,60 - 185,59	NL	○	784,00
185,60 - 195,59	NL	○	822,00
195,60 - 200,59	NL	○	861,00

Andere Durchmesser und Toleranzen
Other diameters and tolerances

Spezifikation Specification	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €	**Preis pro Stück € (Abnahmemenge 2-4 Stk.)** Price per piece € (quantity ordered 2-4 pc.)	**Preis pro Stück € (Abnahmemenge 5-9 Stk.)** Price per piece € (quantity ordered 5-9 pc.)
22,00 - 25,59	NL	○	240,00	214,00	196,00
25,60 - 28,59	NL	○	253,00	227,00	207,00
28,60 - 32,59	NL	○	271,00	241,00	221,00
32,60 - 36,59	NL	○	285,00	258,00	238,00
36,60 - 40,59	NL	○	300,00	276,00	254,00
40,60 - 45,59	NL	○	318,00	293,00	274,00
45,60 - 50,59	NL	○	335,00	307,00	290,00
50,60 - 55,59	NL	○	373,00	333,00	309,00
55,60 - 60,59	NL	○	390,00	351,00	328,00
60,60 - 65,59	NL	○	411,00	373,00	350,00
65,60 - 70,59	NL	○	431,00	392,00	370,00
70,60 - 75,59	NL	○	450,00	413,00	389,00
75,60 - 79,59	NL	○	472,00	433,00	410,00
79,60 - 85,59	NL	○	513,00	474,00	451,00
85,60 - 90,59	NL	○	534,00	497,00	472,00
90,60 - 95,59	NL	○	554,00	516,00	495,00
95,60 - 100,59	NL	○	574,00	537,00	513,00
100,60 - 110,59	NL	○	611,00	573,00	550,00
110,60 - 115,59	NL	○	654,00	617,00	592,00
115,60 - 120,59	NL	○	676,00	639,00	614,00
120,60 - 125,59	NL	○	697,00	657,00	637,00
125,60 - 139,59	NL	○	719,00	679,00	655,00
139,60 - 145,59	NL	○	749,00	713,00	689,00
145,60 - 155,59	NL	○	784,00	745,00	722,00
155,60 - 165,59	NL	○	822,00	781,00	758,00
165,60 - 175,59	NL	○	861,00	823,00	798,00
175,60 - 185,59	NL	○	898,00	863,00	838,00
185,60 - 195,59	NL	○	939,00	899,00	879,00
195,60 - 200,59	NL	○	980,00	942,00	919,00

MN73102, nachstellbarer Schneidring, gerade Durchmesser mit Toleranz H7
MN73102, adjustable cutting ring, rounded diameter with tolerance H7

Spezifikation Specification	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €	**Aufschlag TiAlN-Beschichtung €** Extra charge TiAlN coating €
22,00 - 25,59	NL	○	254,00	4,20
25,60 - 28,59	NL	○	260,00	4,20
28,60 - 32,59	NL	○	280,00	4,20
32,60 - 36,59	NL	○	301,00	6,20
36,60 - 40,59	NL	○	323,00	6,20
40,60 - 45,59	NL	○	348,00	13,50
45,60 - 50,59	NL	○	366,00	13,50
50,60 - 55,59	NL	○	390,00	13,50
55,60 - 60,59	NL	○	418,00	13,50
60,60 - 65,59	NL	○	444,00	13,50
65,60 - 70,59	NL	○	470,00	13,50
70,60 - 75,59	NL	○	497,00	13,50
75,60 - 79,59	NL	○	524,00	13,50
79,60 - 85,59	NL	○	580,00	13,50
85,60 - 90,59	NL	○	608,00	27,00
90,60 - 95,59	NL	○	637,00	27,00
95,60 - 100,59	NL	○	666,00	27,00
100,60 - 110,59	NL	○	712,00	27,00
110,60 - 115,59	NL	○	768,00	27,00
115,60 - 120,59	NL	○	796,00	27,00
120,60 - 125,59	NL	○	826,00	27,00
125,60 - 139,59	NL	○	854,00	27,00
139,60 - 145,59	NL	○	896,00	27,00
145,60 - 155,59	NL	○	942,00	27,00
155,60 - 165,59	NL	○	991,00	42,50
165,60 - 175,59	NL	○	1.043,00	42,50
175,60 - 185,59	NL	○	1.095,00	42,50
185,60 - 195,59	NL	○	1.147,00	42,50
195,60 - 200,59	NL	○	1.202,00	42,50

Andere Durchmesser und Toleranzen
Other diameters and tolerances

Spezifikation Specification	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €	**Preis pro Stück € (Abnahmemenge 2-4 Stk.)** Price per piece € (quantity ordered 2-4 pc.)	**Preis pro Stück € (Abnahmemenge 5-9 Stk.)** Price per piece € (quantity ordered 5-9 pc.)
22,00 - 25,59	NL	○	312,00	287,00	267,00
25,60 - 28,59	NL	○	331,00	304,00	284,00
28,60 - 32,59	NL	○	351,00	325,00	304,00
32,60 - 36,59	NL	○	374,00	349,00	327,00
36,60 - 40,59	NL	○	396,00	371,00	350,00
40,60 - 45,59	NL	○	421,00	395,00	375,00
45,60 - 50,59	NL	○	445,00	419,00	397,00
50,60 - 55,59	NL	○	490,00	449,00	427,00
55,60 - 60,59	NL	○	513,00	474,00	451,00
60,60 - 65,59	NL	○	542,00	504,00	483,00
65,60 - 70,59	NL	○	571,00	532,00	508,00
70,60 - 75,59	NL	○	598,00	559,00	537,00
75,60 - 79,59	NL	○	628,00	589,00	567,00
79,60 - 85,59	NL	○	687,00	649,00	626,00
85,60 - 90,59	NL	○	716,00	677,00	654,00
90,60 - 95,59	NL	○	744,00	706,00	683,00
95,60 - 100,59	NL	○	773,00	736,00	713,00
100,60 - 110,59	NL	○	825,00	785,00	763,00
110,60 - 115,59	NL	○	884,00	846,00	824,00
115,60 - 120,59	NL	○	914,00	876,00	851,00
120,60 - 125,59	NL	○	944,00	904,00	882,00
125,60 - 139,59	NL	○	973,00	934,00	910,00
139,60 - 145,59	NL	○	1.021,00	980,00	956,00
145,60 - 155,59	NL	○	1.066,00	1.027,00	1.004,00
155,60 - 165,59	NL	○	1.117,00	1.077,00	1.054,00
165,60 - 175,59	NL	○	1.173,00	1.132,00	1.110,00
175,60 - 185,59	NL	○	1.229,00	1.189,00	1.167,00
185,60 - 195,59	NL	○	1.281,00	1.244,00	1.221,00
195,60 - 200,59	NL	○	1.340,00	1.302,00	1.277,00

MN73104, nachstellbarer Schneidring, gerade Durchmesser mit Toleranz H7
MN73104, adjustable cutting ring, rounded diameter with tolerance H7

Spezifikation Specification	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
22,00 - 25,59	NL	○	233,00
25,60 - 28,59	NL	○	249,00
28,60 - 32,59	NL	○	269,00
32,60 - 36,59	NL	○	291,00
36,60 - 40,59	NL	○	309,00
40,60 - 45,59	NL	○	335,00
45,60 - 50,59	NL	○	355,00
50,60 - 55,59	NL	○	378,00
55,60 - 60,59	NL	○	400,00
60,60 - 65,59	NL	○	428,00
65,60 - 70,59	NL	○	452,00
70,60 - 75,59	NL	○	479,00
75,60 - 79,59	NL	○	493,00
79,60 - 85,59	NL	○	561,00
85,60 - 90,59	NL	○	586,00
90,60 - 95,59	NL	○	612,00
95,60 - 100,59	NL	○	641,00
100,60 - 110,59	NL	○	686,00
110,60 - 115,59	NL	○	741,00
115,60 - 120,59	NL	○	766,00
120,60 - 125,59	NL	○	796,00
125,60 - 139,59	NL	○	823,00
139,60 - 145,59	NL	○	865,00
145,60 - 155,59	NL	○	906,00
155,60 - 165,59	NL	○	953,00
165,60 - 175,59	NL	○	1.005,00
175,60 - 185,59	NL	○	1.055,00
185,60 - 195,59	NL	○	1.107,00
195,60 - 200,59	NL	○	1.161,00

Andere Durchmesser und Toleranzen
Other diameters and tolerances

Spezifikation Specification	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €	**Preis pro Stück € (Abnahmemenge 2-4 Stk.)** Price per piece € (quantity ordered 2-4 pc.)	**Preis pro Stück € (Abnahmemenge 5-9 Stk.)** Price per piece € (quantity ordered 5-9 pc.)
22,00 - 25,59	NL	○	302,00	278,00	256,00
25,60 - 28,59	NL	○	322,00	295,00	276,00
28,60 - 32,59	NL	○	342,00	314,00	294,00
32,60 - 36,59	NL	○	362,00	336,00	316,00
36,60 - 40,59	NL	○	383,00	358,00	339,00
40,60 - 45,59	NL	○	409,00	381,00	362,00
45,60 - 50,59	NL	○	430,00	404,00	382,00
50,60 - 55,59	NL	○	473,00	434,00	413,00
55,60 - 60,59	NL	○	499,00	460,00	435,00
60,60 - 65,59	NL	○	528,00	490,00	465,00
65,60 - 70,59	NL	○	553,00	514,00	492,00
70,60 - 75,59	NL	○	580,00	540,00	519,00
75,60 - 79,59	NL	○	591,00	554,00	531,00
79,60 - 85,59	NL	○	667,00	626,00	602,00
85,60 - 90,59	NL	○	692,00	654,00	632,00
90,60 - 95,59	NL	○	721,00	681,00	657,00
95,60 - 100,59	NL	○	747,00	709,00	687,00
100,60 - 110,59	NL	○	798,00	758,00	736,00
110,60 - 115,59	NL	○	856,00	818,00	794,00
115,60 - 120,59	NL	○	883,00	845,00	823,00
120,60 - 125,59	NL	○	914,00	876,00	850,00
125,60 - 139,59	NL	○	940,00	900,00	880,00
139,60 - 145,59	NL	○	984,00	947,00	922,00
145,60 - 155,59	NL	○	1.031,00	992,00	969,00
155,60 - 165,59	NL	○	1.078,00	1.040,00	1.019,00
165,60 - 175,59	NL	○	1.132,00	1.094,00	1.070,00
175,60 - 185,59	NL	○	1.187,00	1.147,00	1.123,00
185,60 - 195,59	NL	○	1.240,00	1.200,00	1.178,00
195,60 - 200,59	NL	○	1.294,00	1.256,00	1.234,00

Bestellbezeichnung + Durchmesser + Haltergröße Order designation + diameter + holder size	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
Halter für Schneidringe Holder for cutting rings				
Halter für Schneidringe-MN73237 Holder for cutting ringsMN73237				
MN73237.021.6	30008875	CH	○	➲
MN73237.025.6	30008876	CH	○	➲
MN73237.032.6	30008877	CH	○	➲
MN73237.040.6	30022400	CH	○	➲
MN73237.045.6	30006305	CH	○	➲
MN73237.060.6	30022401	CH	○	➲
MN73237.079.6	30183686	CH	○	➲
Halter für Schneidringe - MN73238 Holder for cutting rings - MN73238				
MN73238.021.6	30008882	CH	○	➲
MN73238.025.6	30008883	CH	○	➲
MN73238.032.6	30008884	CH	○	➲
MN73238.040.6	30028685	CH	○	➲
MN73238.045.6	30183680	CH	○	➲
MN73238.060.6	30183681	CH	○	➲
MN73238.079.6	30183682	CH	○	➲
Halter für Schneidringe - MN75236 Holder for cutting rings - MN75236				
MN75236.021.6	30008889	CH	○	➲
MN75236.025.6	30008900	CH	○	➲
MN75236.032.6	30008901	CH	○	➲
MN75236.036.6	30023642	CH	○	➲
MN75236.040.6	30016440	CH	○	➲
MN75236.045.6	30183643	CH	○	➲
MN75236.050.6	30023643	CH	○	➲
MN75236.060.6	30023644	CH	○	➲
MN75236.070.6	30023645	CH	○	➲
MN75236.079.6	30023646	CH	○	➲
MN75236.090.6	30023647	CH	○	➲
Halter für Schneidringe - MN76236 Holder for cutting rings - MN76236				
MN76236.021.6	30183632	CH	○	➲
MN76236.025.6	30183633	CH	○	➲
MN76236.032.6	30183634	CH	○	➲
MN76236.036.6	30183635	CH	○	➲
MN76236.040.6	30183636	CH	○	➲
MN76236.045.6	30183637	CH	○	➲
MN76236.050.6	30183638	CH	○	➲
MN76236.060.6	30183639	CH	○	➲
MN76236.070.6	30183640	CH	○	➲
MN76236.079.6	30183641	CH	○	➲
MN76236.090.6	30183642	CH	○	➲
Halter für Schneidringe - MN75247 Holder for cutting rings - MN75247				
MN75247.021.6	30008872	CH	○	➲
MN75247.025.6	30008873	CH	○	➲
MN75247.032.6	30008874	CH	○	➲
MN75247.036.6	30183644	CH	○	➲
MN75247.040.6	30011658	CH	○	➲
MN75247.045.6	30101615	CH	○	➲
MN75247.050.6	30014625	CH	○	➲
MN75247.060.6	30183645	CH	○	➲
MN75247.070.6	30183646	CH	○	➲
MN75247.079.6	30159444	CH	○	➲
MN75247.090.6	30183647	CH	○	➲
Halter für Schneidringe - MN73217 Holder for cutting rings - MN73217				
MN73217.021.6	30183663	CH	○	➲
MN73217.025.6	30032438	CH	○	➲
MN73217.032.6	30183664	CH	○	➲
MN73217.040.6	30183666	CH	○	➲
MN73217.045.6	30018476	CH	○	➲
MN73217.060.6	30183668	CH	○	➲
MN73217.079.6	30183670	CH	○	➲
Halter für Schneidringe - MN73218 Holder for cutting rings - MN73218				
MN73218.021.6	30183649	CH	○	➲
MN73218.025.6	30183650	CH	○	➲
MN73218.032.6	30183651	CH	○	➲
MN73218.040.6	30183652	CH	○	➲
MN73218.045.6	30183653	CH	○	➲
MN73218.060.6	30183654	CH	○	➲
MN73218.079.6	30183655	CH	○	➲
Halter für Schneidringe - MN73227 Holder for cutting rings - MN73227				
MN73227.021.6	30183671	CH	○	➲
MN73227.025.6	30183672	CH	○	➲
MN73227.032.6	30011768	CH	○	➲
MN73227.040.6	30183674	CH	○	➲
MN73227.045.6	30183675	CH	○	➲
MN73227.060.6	30183677	CH	○	➲
MN73227.079.6	30183679	CH	○	➲
Halter für Schneidringe - MN73228 Holder for cutting rings - MN73228				
MN73228.021.6	30032509	CH	○	➲
MN73228.025.6	30183657	CH	○	➲
MN73228.032.6	30009573	CH	○	➲
MN73228.040.6	30183659	CH	○	➲
MN73228.045.6	30046300	CH	○	➲
MN73228.060.6	30159446	CH	○	➲
MN73228.079.6	30159445	CH	○	➲
Halter für Schneidringe - MN75287 Holder for cutting rings - MN75287				
MN75287.021.6	30183584	CH	○	➲
MN75287.025.6	30183586	CH	○	➲
MN75287.032.6	30032760	CH	○	➲
MN75287.036.6	30183588	CH	○	➲
MN75287.040.6	30183600	CH	○	➲
MN75287.045.6	30020589	CH	○	➲
MN75287.050.6	30096638	CH	○	➲
MN75287.060.6	30009234	CH	○	➲
MN75287.070.6	30009236	CH	○	➲

Bestellbezeichnung + Durchmesser + Haltergröße Order designation + diameter + holder size	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
MN75287.079.6	30087508	CH	○	➲
MN75287.090.6	30183602	CH	○	➲
MN75287.100.6	30183605	CH	○	➲
MN75287.110.6	30183607	CH	○	➲
MN75287.115.6	30183608	CH	○	➲
MN75287.120.6	30183609	CH	○	➲
MN75287.125.6	30183610	CH	○	➲
MN75287.132.6	30183611	CH	○	➲
MN75287.139.6	30183612	CH	○	➲
MN75287.145.6	30183613	CH	○	➲
MN75287.155.6	30183614	CH	○	➲
MN75287.165.6	30183615	CH	○	➲
MN75287.175.6	30183616	CH	○	➲
MN75287.185.6	30183617	CH	○	➲
MN75287.195.6	30183618	CH	○	➲

Halter für Schneidringe - MN76286
Holder for cutting rings - MN76286

MN76286.021.6	30183540	CH	○	➲
MN76286.025.6	30183542	CH	○	➲
MN76286.032.6	30183544	CH	○	➲
MN76286.036.6	30183546	CH	○	➲
MN76286.040.6	30183548	CH	○	➲
MN76286.045.6	30183550	CH	○	➲
MN76286.050.6	30183552	CH	○	➲
MN76286.060.6	30183554	CH	○	➲
MN76286.070.6	30183556	CH	○	➲
MN76286.079.6	30183558	CH	○	➲
MN76286.090.6	30183560	CH	○	➲

Halter für Schneidringe - MN75286
Holder for cutting rings - MN75286

MN75286.021.6	30183564	CH	○	➲
MN75286.025.6	30183566	CH	○	➲
MN75286.032.6	30183568	CH	○	➲
MN75286.036.6	30183570	CH	○	➲
MN75286.040.6	30183572	CH	○	➲
MN75286.045.6	30183574	CH	○	➲
MN75286.050.6	30018640	CH	○	➲
MN75286.060.6	30018490	CH	○	➲
MN75286.070.6	30183576	CH	○	➲
MN75286.079.6	30183578	CH	○	➲
MN75286.090.6	30183580	CH	○	➲

Halter für Schneidringe - MN75257
Holder for cutting rings - MN75257

MN75257.021.6	30183334	CH	○	➲
MN75257.025.6	30183335	CH	○	➲
MN75257.032.6	30183336	CH	○	➲
MN75257.036.6	30183337	CH	○	➲
MN75257.040.6	30183338	CH	○	➲
MN75257.045.6	30183339	CH	○	➲
MN75257.050.6	30183340	CH	○	➲
MN75257.060.6	30183341	CH	○	➲
MN75257.070.6	30183342	CH	○	➲
MN75257.079.6	30183343	CH	○	➲
MN75257.090.6	30183344	CH	○	➲
MN75257.100.6	30183345	CH	○	➲

Bestellbezeichnung + Durchmesser + Haltergröße Order designation + diameter + holder size	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
MN75257.110.6	30183346	CH	○	➲
MN75257.115.6	30183347	CH	○	➲
MN75257.120.6	30183348	CH	○	➲
MN75257.125.6	30183349	CH	○	➲
MN75257.132.6	30183350	CH	○	➲
MN75257.139.6	30183351	CH	○	➲
MN75257.145.6	30183352	CH	○	➲
MN75257.155.6	30183353	CH	○	➲
MN75257.165.6	30183354	CH	○	➲
MN75257.175.6	30183355	CH	○	➲
MN75257.185.6	30183356	CH	○	➲
MN75257.195.6	30183357	CH	○	➲
MN75257.200.6	30183358	CH	○	➲
MN75257.205.6	30183359	CH	○	➲
MN75257.210.6	30183360	CH	○	➲
MN75257.215.6	30183361	CH	○	➲
MN75257.225.6	30183362	CH	○	➲
MN75257.235.6	30183363	CH	○	➲
MN75257.245.6	30183364	CH	○	➲
MN75257.255.6	30183365	CH	○	➲
MN75257.265.6	30183366	CH	○	➲
MN75257.275.6	30183367	CH	○	➲
MN75257.285.6	30183368	CH	○	➲
MN75257.295.6	30183369	CH	○	➲

Halter für Schneidringe - MN75267
Holder for cutting rings - MN75267

MN75267.021.6	30183383	CH	○	➲
MN75267.025.6	30183384	CH	○	➲
MN75267.032.6	30183385	CH	○	➲
MN75267.036.6	30183386	CH	○	➲
MN75267.040.6	30183387	CH	○	➲
MN75267.045.6	30183388	CH	○	➲
MN75267.050.6	30183389	CH	○	➲
MN75267.060.6	30183390	CH	○	➲
MN75267.070.6	30183391	CH	○	➲
MN75267.079.6	30183392	CH	○	➲
MN75267.090.6	30183393	CH	○	➲
MN75267.100.6	30183394	CH	○	➲
MN75267.110.6	30183395	CH	○	➲
MN75267.115.6	30183396	CH	○	➲
MN75267.120.6	30183397	CH	○	➲
MN75267.125.6	30183398	CH	○	➲
MN75267.132.6	30183399	CH	○	➲
MN75267.139.6	30183400	CH	○	➲
MN75267.145.6	30183401	CH	○	➲
MN75267.155.6	30183402	CH	○	➲
MN75267.165.6	30183403	CH	○	➲
MN75267.175.6	30183404	CH	○	➲
MN75267.185.6	30183405	CH	○	➲
MN75267.195.6	30183406	CH	○	➲
MN75267.200.6	30183407	CH	○	➲
MN75267.205.6	30183408	CH	○	➲
MN75267.210.6	30183409	CH	○	➲
MN75267.215.6	30183410	CH	○	➲
MN75267.225.6	30183411	CH	○	➲
MN75267.235.6	30183412	CH	○	➲
MN75267.245.6	30183413	CH	○	➲

Bestellbezeichnung + Durchmesser + Haltergröße Order designation + diameter + holder size	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
MN75267.255.6	30183414	CH	○	➲
MN75267.265.6	30183415	CH	○	➲
MN75267.275.6	30183416	CH	○	➲
MN75267.285.6	30183417	CH	○	➲
MN75267.295.6	30183418	CH	○	➲

Halter für Schneidringe - MN75256
Holder for cutting rings - MN75256

MN75256.021.6	30183322	CH	○	➲
MN75256.025.6	30183323	CH	○	➲
MN75256.032.6	30183324	CH	○	➲
MN75256.036.6	30183325	CH	○	➲
MN75256.040.6	30183326	CH	○	➲
MN75256.045.6	30183327	CH	○	➲
MN75256.050.6	30183328	CH	○	➲
MN75256.060.6	30183329	CH	○	➲
MN75256.070.6	30183330	CH	○	➲
MN75256.079.6	30183331	CH	○	➲
MN75256.090.6	30183332	CH	○	➲

Halter für Schneidringe - MN75266
Holder for cutting rings - MN75266

MN75266.021.6	30183371	CH	○	➲
MN75266.025.6	30183372	CH	○	➲
MN75266.032.6	30183373	CH	○	➲
MN75266.036.6	30183374	CH	○	➲
MN75266.040.6	30183375	CH	○	➲
MN75266.045.6	30183376	CH	○	➲
MN75266.050.6	30183377	CH	○	➲
MN75266.060.6	30183378	CH	○	➲
MN75266.070.6	30183379	CH	○	➲
MN75266.079.6	30183380	CH	○	➲
MN75266.090.6	30183381	CH	○	➲

Halter für Schneidringe - MN76256
Holder for cutting rings - MN76256

MN76256.021.6	30183299	CH	○	➲
MN76256.025.6	30183300	CH	○	➲
MN76256.032.6	30183301	CH	○	➲
MN76256.036.6	30183302	CH	○	➲
MN76256.040.6	30183303	CH	○	➲
MN76256.045.6	30183304	CH	○	➲
MN76256.050.6	30183305	CH	○	➲
MN76256.060.6	30183306	CH	○	➲
MN76256.070.6	30244049	CH	○	➲
MN76256.079.6	30183307	CH	○	➲
MN76256.090.6	30183308	CH	○	➲

Halter für Schneidringe - MN76266
Holder for cutting rings - MN76266

MN76266.021.6	30183310	CH	○	➲
MN76266.025.6	30183311	CH	○	➲
MN76266.032.6	30183312	CH	○	➲
MN76266.036.6	30183313	CH	○	➲
MN76266.040.6	30183314	CH	○	➲
MN76266.045.6	30183315	CH	○	➲
MN76266.050.6	30183316	CH	○	➲
MN76266.060.6	30183317	CH	○	➲

Bestellbezeichnung + Durchmesser + Haltergröße Order designation + diameter + holder size	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
MN76266.070.6	30183318	CH	○	➲
MN76266.079.6	30183319	CH	○	➲
MN76266.090.6	30183320	CH	○	➲

Halter für Schneidringe - MN75217
Holder for cutting rings - MN75217

MN75217.021.6	30183484	CH	○	➲
MN75217.025.6	30183485	CH	○	➲
MN75217.032.6	30183486	CH	○	➲
MN75217.036.6	30082419	CH	○	➲
MN75217.040.6	30183487	CH	○	➲
MN75217.045.6	30183488	CH	○	➲
MN75217.050.6	30082417	CH	○	➲
MN75217.060.6	30057566	CH	○	➲
MN75217.070.6	30183489	CH	○	➲
MN75217.079.6	30183490	CH	○	➲
MN75217.090.6	30077763	CH	○	➲
MN75217.100.6	30183491	CH	○	➲
MN75217.110.6	30058626	CH	○	➲
MN75217.115.6	30076909	CH	○	➲
MN75217.120.6	30183492	CH	○	➲
MN75217.125.6	30183493	CH	○	➲
MN75217.132.6	30183494	CH	○	➲
MN75217.139.6	30183495	CH	○	➲
MN75217.145.6	30058627	CH	○	➲
MN75217.155.6	30077764	CH	○	➲
MN75217.165.6	30183496	CH	○	➲
MN75217.175.6	30183497	CH	○	➲
MN75217.185.6	30243815	CH	○	➲
MN75217.195.6	30183498	CH	○	➲
MN75217.200.6	30077765	CH	○	➲
MN75217.205.6	30183499	CH	○	➲
MN75217.210.6	30183500	CH	○	➲
MN75217.215.6	30183501	CH	○	➲
MN75217.225.6	30183502	CH	○	➲
MN75217.235.6	30183503	CH	○	➲
MN75217.245.6	30183504	CH	○	➲
MN75217.255.6	30183505	CH	○	➲
MN75217.265.6	30183506	CH	○	➲
MN75217.275.6	30183507	CH	○	➲
MN75217.285.6	30183508	CH	○	➲
MN75217.295.6	30183509	CH	○	➲

Halter für Schneidringe - MN75227
Holder for cutting rings - MN75227

MN75227.021.6	30183525	CH	○	➲
MN75227.025.6	30183527	CH	○	➲
MN75227.032.6	30183529	CH	○	➲
MN75227.036.6	30183530	CH	○	➲
MN75227.040.6	30183532	CH	○	➲
MN75227.045.6	30183535	CH	○	➲
MN75227.050.6	30183536	CH	○	➲
MN75227.060.6	30183422	CH	○	➲
MN75227.070.6	30183423	CH	○	➲
MN75227.079.6	30183424	CH	○	➲
MN75227.090.6	30183425	CH	○	➲
MN75227.100.6	30183426	CH	○	➲
MN75227.110.6	30183427	CH	○	➲

Bestellbezeichnung + Durchmesser + Haltergröße Order designation + diameter + holder size	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
MN75227.115.6	30033907	CH	○	➲
MN75227.120.6	30183428	CH	○	➲
MN75227.125.6	30183429	CH	○	➲
MN75227.132.6	30183430	CH	○	➲
MN75227.139.6	30183431	CH	○	➲
MN75227.145.6	30183432	CH	○	➲
MN75227.155.6	30183433	CH	○	➲
MN75227.165.6	30183434	CH	○	➲
MN75227.175.6	30183435	CH	○	➲
MN75227.185.6	30183436	CH	○	➲
MN75227.195.6	30183437	CH	○	➲
MN75227.200.6	30183438	CH	○	➲
MN75227.205.6	30183439	CH	○	➲
MN75227.210.6	30183440	CH	○	➲
MN75227.215.6	30183441	CH	○	➲
MN75227.225.6	30183442	CH	○	➲
MN75227.235.6	30183443	CH	○	➲
MN75227.245.6	30183444	CH	○	➲
MN75227.255.6	30183445	CH	○	➲
MN75227.265.6	30183446	CH	○	➲
MN75227.275.6	30183447	CH	○	➲
MN75227.285.6	30183448	CH	○	➲
MN75227.295.6	30183449	CH	○	➲

Halter für Schneidringe - MN76216
Holder for cutting rings - MN76216

MN76216.021.6	30183451	CH	○	➲
MN76216.025.6	30183452	CH	○	➲
MN76216.032.6	30183453	CH	○	➲
MN76216.036.6	30183454	CH	○	➲
MN76216.040.6	30183455	CH	○	➲
MN76216.045.6	30183456	CH	○	➲
MN76216.050.6	30183457	CH	○	➲
MN76216.060.6	30183458	CH	○	➲
MN76216.070.6	30183459	CH	○	➲
MN76216.079.6	30183460	CH	○	➲
MN76216.090.6	30183461	CH	○	➲

Halter für Schneidringe - MN76226
Holder for cutting rings - MN76226

MN76226.021.6	30183463	CH	○	➲
MN76226.025.6	30183464	CH	○	➲
MN76226.032.6	30183465	CH	○	➲
MN76226.036.6	30183466	CH	○	➲
MN76226.040.6	30183467	CH	○	➲
MN76226.045.6	30183468	CH	○	➲
MN76226.050.6	30206526	CH	○	➲
MN76226.060.6	30183469	CH	○	➲
MN76226.070.6	30243944	CH	○	➲
MN76226.079.6	30183470	CH	○	➲
MN76226.090.6	30183471	CH	○	➲

Halter für Schneidringe - MN75216
Holder for cutting rings - MN75216

MN75216.021.6	30183473	CH	○	➲
MN75216.025.6	30183474	CH	○	➲
MN75216.032.6	30183475	CH	○	➲
MN75216.036.6	30183476	CH	○	➲

Bestellbezeichnung + Durchmesser + Haltergröße Order designation + diameter + holder size	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
MN75216.040.6	30183477	CH	○	➲
MN75216.045.6	30183478	CH	○	➲
MN75216.050.6	30183479	CH	○	➲
MN75216.060.6	30036894	CH	○	➲
MN75216.070.6	30183480	CH	○	➲
MN75216.079.6	30183481	CH	○	➲
MN75216.090.6	30183482	CH	○	➲

Halter für Schneidringe - MN75226
Holder for cutting rings - MN75226

MN75226.021.6	30183511	CH	○	➲
MN75226.025.6	30183512	CH	○	➲
MN75226.032.6	30183513	CH	○	➲
MN75226.036.6	30183514	CH	○	➲
MN75226.040.6	30183516	CH	○	➲
MN75226.045.6	30183518	CH	○	➲
MN75226.050.6	30183520	CH	○	➲
MN75226.060.6	30092179	CH	○	➲
MN75226.070.6	30183419	CH	○	➲
MN75226.079.6	30183420	CH	○	➲
MN75226.090.6	30183421	CH	○	➲

Zubehör und Ersatzteile sind nach der Bestellnummer aufsteigend sortiert.
The order numbers of accessories and spare parts are sorted in ascending order.

Zubehör und Ersatzteile für Halter von Schneidringen
Accessories and spare parts for cutting ring holders

Bestell-Nr. Order No.	**Bestellbezeichnung** Order designation	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
10003601	ISO 4762-M5x16-12.9	28	●	➲
10003619	ISO 4762-M6X20-12.9	28	●	➲
10006233	6-kt SW 2.5x100 Quergr.	28	●	➲
10006234	6-kt SW 3.0x100 Quergr.	28	●	➲
10006235	6-kt SW 4.0x100 Quergr.	28	●	➲
10006236	6-kt SW 5.0x100 Quergr.	28	●	➲
10013350	6-kt SW 5.0x200 Quergr.	28	●	➲
10018010	6-kt SW 4.0x200 Quergr.	28	●	➲
10024720	MN 618-B M5X0.5LH/RHX20	28	●	➲
10024721	MN 618-B M6X0.5LH/RHX22	28	●	➲
10024722	MN 618-B M8X1LH/RHX32	28	●	➲
10024723	MN 618-B M10x1LH/RHx37	28	●	➲
10025194	MN 618-BD M5x0.5LH/RHx20	28	●	➲
10025195	MN 618-BD M6X0.5LH/RHX22	28	●	➲
10025196	MN 618-BD M8X1LH/RHX32	28	●	➲
10025198	MN 618-BD M10X1LH/RHX37	28	●	➲
10025313	6-kt SW 3.0x200 Quergr.	28	●	➲
10029989	HANDTOOL-HFS10	Q	●	➲
10029990	HANDTOOL-HFS12	Q	●	➲
10030002	HANDTOOL-HFS14	Q	●	➲
10030003	HANDTOOL-HFS16	Q	●	➲
10030004	HANDTOOL-HFS20	Q	●	➲
10030005	HANDTOOL-HFS24	Q	●	➲
10032722	6-kt SW 2.5X200 Quergr.	28	●	➲
10040108	Ø10.6x5	28	●	➲
10040109	M8x1x8-KLR	28	●	➲
10040110	MAT-HSK-A063-1	IA	●	➲
10040122	MN5215-31	IA	●	➲
10040123	MN5215-07	IA	●	➲
10040124	MN5215-08	IA	●	➲
10040125	MN5215-30	IA	●	➲
10040126	MN5215-01	IA	●	➲
10044839	WRENCH-SW2.5	Q	○	➲
10044842	NM-Wrench-HFS10/SW2.5	IA	○	➲
10045282	MN75297.017.6.111 max-Ø25.59	28	○	➲
10045285	MN75297.025.6.111 max-Ø32.59	28	○	➲
10045286	MN75297.032.6.111 max-Ø40.59	28	○	➲
10045287	MN75297.040.6.111 max-Ø45.59	28	○	➲
10045288	MN75297.045.6.121 max-Ø60.59	28	○	➲
10045289	MN75297.060.6.121 max-Ø79.59	28	○	➲
10045290	MN75297.079.6.121 max-Ø100.59	28	○	➲
10045291	MN75297.100.6.121 max-Ø155.59	28	○	➲
10045292	MN75297.155.6.121 max-Ø255.59	28	○	➲
10045293	MN75297.017.6.35 max-Ø25.59	28	○	➲
10045294	MN75297.025.6.35 max-Ø32.59	28	○	➲
10045295	MN75297.032.6.35 max-Ø40.59	28	○	➲
10045296	MN75297.040.6.35 max-Ø45.59	28	○	➲
10045297	MN75297.045.6.35 max-Ø60.59	28	○	➲
10045298	MN75297.060.6.35 max-Ø79.59	28	○	➲
10045299	MN75297.079.6.35 max-Ø100.59	28	○	➲
10045300	MN75297.100.6.35 max-Ø110.59	28	○	➲
10045301	MN75297.110.6.35 max-Ø115.59	28	○	➲
10045302	MN75297.115.6.35 max-Ø125.59	28	○	➲
10045303	MN75297.125.6.35 max-Ø139.59	28	○	➲
10045304	MN75297.139.6.35 max-Ø145.59	28	○	➲
10045305	MN75297.145.6.35 max-Ø155.59	28	○	➲
10045306	MN75297.155.6.35 max-Ø165.59	28	○	➲
10045307	MN75297.165.6.35 max-Ø175.59	28	○	➲
10045308	MN75297.175.6.35 max-Ø185.59	28	○	➲
10045309	MN75297.185.6.35 max-Ø195.59	28	○	➲
10045310	MN75297.195.6.35 max-Ø205.59	28	○	➲
10045311	MN75297.205.6.35 max-Ø215.59	28	○	➲
10045312	MN75297.215.6.35 max-Ø225.59	28	○	➲
10045313	MN75297.225.6.35 max-Ø235.59	28	○	➲
10045314	MN75297.235.6.35 max-Ø245.59	28	○	➲
10045315	MN75297.245.6.35 max-Ø255.59	28	○	➲
10045316	MN75297.255.6.35 max-Ø265.59	28	○	➲
10045317	MN75297.265.6.35 max-Ø275.59	28	○	➲
10045318	MN75297.275.6.35 max-Ø285.59	28	○	➲
10045319	MN75297.285.6.35 max-Ø295.59	28	○	➲
10045320	MN75297.295.6.35	30	○	➲
10045321	MN75297.017.6.25 max-Ø25.59	28	○	➲
10045322	MN75297.025.6.25 max-Ø32.59	28	○	➲
10045323	MN75297.032.6.25 max-Ø40.59	28	○	➲
10045324	MN75297.040.6.25 max-Ø45.59	28	○	➲
10045325	MN75297.045.6.25 max-Ø60.59	28	○	➲
10045326	MN75297.060.6.25 max-Ø79.59	28	○	➲
10045327	MN75297.079.6.25 max-Ø125.59	28	○	➲
10045328	MN75297.125.6.25 max-Ø145.59	28	○	➲
10045329	MN75297.145.6.25 max-Ø225.59	28	○	➲
10045332	MN73297.021.6.33 max-Ø25.59	NV3	○	➲
10045333	MN73297.025.6.33 max-Ø32.59	NV3	○	➲
10045334	MN73297.032.6.33 max-Ø36.59	NV3	○	➲
10045335	MN73297.040.6.33 max-Ø45.59	NV3	○	➲
10045342	MN73297.021.6.453 max-Ø25.59	28	○	➲
10045343	MN73297.025.6.453 max-Ø32.59	28	○	➲
10045344	MN73297.032.6.453 max-Ø40.59	28	○	➲
10045345	MN73297.040.6.453 max-Ø45.59	28	○	➲
10045347	MN73298.021.6.453 max-Ø25.59	28	○	➲
10045348	MN73298.025.6.453 max-Ø32.59	28	○	➲
10045349	MN73298.032.6.453 max-Ø40.59	28	○	➲
10045350	MN73298.040.6.453 max-Ø45.59	28	○	➲
10045352	MN73298.021.6.454 max-Ø25.59	28	○	➲
10045353	MN73298.025.6.454 max-Ø32.59	28	○	➲
10045354	MN73298.032.6.454 max-Ø40.59	28	○	➲
10045355	MN73298.040.6.454 max-Ø45.59	28	○	➲
10045357	MN73298.021.6.455 max-Ø25.59	28	○	➲
10045358	MN73298.025.6.455 max-Ø32.59	28	○	➲
10045359	MN73298.032.6.455 max-Ø40.59	28	○	➲
10045360	MN73298.040.6.455 max-Ø45.59	28	○	➲
10045361	MN73297.045.6.33 max-Ø50.59	NV3	○	➲
10045362	MN73297.060.6.33 max-Ø70.59	NV3	○	➲
10045363	MN73297.079.6.33 max-Ø90.59	NV3	○	➲
10045364	MN73297.045.6.122 max-Ø60.59	28	○	➲
10045365	MN73297.060.6.122 max-Ø79.59	28	○	➲
10045366	MN73297.079.6.122	30	○	➲
10045368	MN75296.021.6.33 max-Ø25.59	NV3	○	➲
10045369	MN75296.025.6.33 max-Ø32.59	NV3	○	➲
10045370	MN75296.032.6.33 max-Ø36.70	NV3	○	➲
10045371	MN75296.036.6.33 max-Ø40.59	NV3	○	➲
10045372	MN75296.040.6.33 max-Ø45.70	NV3	○	➲

Bestell-Nr. Order No.	**Bestellbezeichnung** Order designation	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
10045373	MN75296.045.6.33 max-Ø50.59	NV3	○	➲
10045374	MN75296.050.6.33 max-Ø60.59	NV3	○	➲
10045375	MN75296.060.6.33 max-Ø70.59	NV3	○	➲
10045376	MN75296.070.6.33 max-Ø79.59	NV3	○	➲
10045377	MN75296.079.6.33 max-Ø90.59	NV3	○	➲
10045378	MN75296.090.6.33 max-Ø100.59	NV3	○	➲
10045392	MN73297.021.6.112 max-Ø25.59	28	○	➲
10045393	MN73297.025.6.112 max-Ø32.59	28	○	➲
10045394	MN73297.032.6.112 max-Ø40.59	28	○	➲
10045395	MN73297.040.6.112 max-Ø45.59	28	○	➲
10045400	MN75296.021.6.453 max-Ø25.59	28	○	➲
10045401	MN75296.025.6.453 max-Ø32.59	28	○	➲
10045402	MN75296.032.6.453 max-Ø36.70	28	○	➲
10045403	MN75296.040.6.453 max-Ø45.70	28	○	➲
10045404	MN75296.045.6.453 max-Ø60.59	28	○	➲
10045405	MN75296.060.6.453 max-Ø79.59	28	○	➲
10045406	MN75296.079.6.453 max-Ø100.59	28	○	➲
10045408	MN75296.021.6.454 max-Ø25.59	28	○	➲
10045409	MN75296.025.6.454 max-Ø32.59	28	○	➲
10045410	MN75296.032.6.454 max-Ø40.59	28	○	➲
10045411	MN75296.040.6.454 max-Ø45.59	28	○	➲
10045412	MN75296.045.6.454 max-Ø60.59	28	○	➲
10045413	MN75296.060.6.454 max-Ø79.59	28	○	➲
10045414	MN75296.079.6.454 max-Ø100.59	28	○	➲
10045416	MN75296.021.6.455 max-Ø25.59	28	○	➲
10045417	MN75296.025.6.455 max-Ø32.59	28	○	➲
10045418	MN75296.032.6.455 max-Ø40.59	28	○	➲
10045419	MN75296.040.6.455 max-Ø45.59	28	○	➲
10045420	MN75296.045.6.455 max-Ø60.59	28	○	➲
10045421	MN75296.060.6.455 max-Ø79.59	28	○	➲
10045422	MN75296.079.6.455 max-Ø100.59	28	○	➲
10045432	MN76296.021.6.454 max-Ø25.59	28	○	➲
10045433	MN76296.025.6.454 max-Ø32.59	28	○	➲
10045434	MN76296.032.6.454 max-Ø40.59	28	○	➲
10045435	MN76296.040.6.454 max-Ø45.59	28	○	➲
10045436	MN76296.045.6.454 max-Ø60.59	28	○	➲
10045437	MN76296.060.6.454 max-Ø79.59	28	○	➲
10045438	MN76296.079.6.454 max-Ø90.59	28	○	➲
10045440	MN76296.021.6.455 max-Ø25.59	28	○	➲
10045441	MN76296.025.6.455 max-Ø32.59	28	○	➲
10045442	MN76296.032.6.455 max-Ø40.59	28	○	➲
10045443	MN76296.040.6.455 max-Ø45.59	28	○	➲
10045444	MN76296.045.6.455 max-Ø60.59	28	○	➲
10045445	MN76296.060.6.455 max-Ø79.59	28	○	➲
10045446	MN76296.079.6.455 max-Ø90.59	28	○	➲
10059113	MN637 HFS-12/14	28	●	➲
10059117	MN637 HFS-16/20	28	●	➲
10059273	MN637 HFS-12/14-D	28	●	➲
10059279	MN637 HFS-16/20-D	28	●	➲
10075074	M8x1x11.5-KLR	28	●	➲
30036468	HFS-10 MN624-10	IA	○	➲
30036469	MN624-12 HFS12/Ø20/A=80	IA	○	➲
30036470	MN624-14 HFS14/Ø20.5/A=80	IA	●	➲
30036471	MN624-16 HFS16/Ø23.2/A=80	IA	○	➲
30036472	MN624-20 HFS20/Ø29.3/A=80	IA	○	➲
30036473	MN624-24 HFS24/Ø39/A=80	IA	○	➲
30326006	s.DIN 69895-KSR-63	IA	●	➲
30326078	M18x1.0x11.5 SB63-08R	28	●	➲

Bestell-Nr. Order No.	**Bestellbezeichnung** Order designation	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
30352660	Wrench SW6 / 2.3x75 (für / for CFS)	IA	●	➲
30352661	Wrench SW8 / 2.8x92 (für / for CFS)	IA	●	➲
30352662	Wrench SW10 / 3.8x100 (für / for CFS)	IA	●	➲
30352663	Wrench SW13 / 3.8x135 (für / for CFS)	IA	●	➲
30352667	Wrench SW16 / 4.8x145 (für / for CFS)	IA	●	➲
30352668	Wrench SW21 / 4.8x195 (für / for CFS)	IA	●	➲
50034482	MN73297.036.6.33 max-Ø40.59	NV3	○	➲
50034483	MN76296.021.6.33 max-Ø25.59	NV3	○	➲
50034484	MN76296.025.6.33 max-Ø32.59	NV3	○	➲
50034485	MN76296.032.6.33 max-Ø40.59	NV3	○	➲
50034486	MN76296.040.6.33 max-Ø45.59	NV3	○	➲
50034487	MN76296.045.6.33 max-Ø50.59	NV3	○	➲
50034488	MN76296.050.6.33 max-Ø60.59	NV3	○	➲
50034489	MN76296.060.6.33 max-Ø70.59	NV3	○	➲
50034490	MN76296.070.6.33 max-Ø79.59	NV3	○	➲
50034491	MN76296.079.6.33 max-Ø90.59	NV3	○	➲
50034492	MN76296.090.6.33 max-Ø100.59	NV3	○	➲
50034493	MN75297.060.6.122 max-Ø79.59	28	○	➲
50034494	MN75297.079.6.122 max-Ø100.59	28	○	➲
50034536	MN76296.021.6.453 max-Ø25.59	28	○	➲
50034537	MN76296.025.6.453 max-Ø32.59	28	○	➲
50034538	MN76296.032.6.453 max-Ø40.59	28	○	➲
50034539	MN76296.040.6.453 max-Ø45.59	28	○	➲
50034540	MN76296.045.6.453 max-Ø60.59	28	○	➲
50034541	MN76296.060.6.453 max-Ø79.59	28	○	➲
50037875	MN75297.255.6.121 max-Ø300.59	28	○	➲

Aufsteckreibahlen, Vorzugsbaureihen
Shell reamers, preferred series

Aufsteckreibahle I B040910
Shell reamer I B040910

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
25,00	H7	30110217	X4	●	168,00
26,00	H7	30168898	X4	○	201,30
28,00	H7	30200123	X4	○	201,30
30,00	H7	30110218	X4	●	168,00
31,00	H7	30264144	X4	○	226,00
32,00	H7	30110219	X4	●	192,60
33,00	H7	30271654	X4	○	226,00
34,00	H7	30110220	X4	●	192,60
35,00	H7	30110221	X4	●	192,60
36,00	H7	30110222	X4	●	214,10
37,00	H7	30110223	X4	○	215,70
38,00	H7	30110224	X4	○	214,10
40,00	H7	30110225	X4	●	214,10
41,00	H7	30284755	X4	○	247,40
42,00	H7	30110226	X4	○	214,10
43,00	H7	30250677	X4	○	278,40
44,00	H7	30110227	X4	●	245,00
45,00	H7	30110228	X4	○	245,00
46,00	H7	30263750	X4	○	281,40
47,00	H7	30241053	X4	○	281,40
48,00	H7	30110229	X4	○	247,90
50,00	H7	30110230	X4	●	245,00
52,00	H7	30110231	X4	○	281,40
55,00	H7	30110232	X4	○	269,60
58,00	H7	30110233	X4	○	335,70
60,00	H7	30110234	X4	●	335,70
62,00	H7	30217739	X4	○	445,00
65,00	H7	30205920	X4	○	480,20
70,00	H7	30110236	X4	○	411,40
72,00	H7	30110237	X4	○	480,20
75,00	H7	30110238	X4	○	446,70

Aufsteckreibahle I B031211
Shell reamer I B031211

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
25,00	H7	30107691	X3	●	141,80
26,00	H7	30107693	X3	○	146,70
27,00	H7	30107695	X3	○	177,00
28,00	H7	30107697	X3	○	151,60
29,00	H7	30107699	X3	○	174,50
30,00	H7	30107701	X3	●	150,10
31,00	H7	30107703	X3	○	191,30
32,00	H7	30107705	X3	●	167,60
33,00	H7	30107707	X3	○	180,20
34,00	H7	30107709	X3	●	180,20
35,00	H7	30107711	X3	●	180,20
36,00	H7	30107713	X3	○	189,80
37,00	H7	30107715	X3	○	224,90
38,00	H7	30107717	X3	●	197,70
39,00	H7	30331334	X3	○	225,40
40,00	H7	30107720	X3	●	197,70
41,00	H7	30331335	X3	○	236,30
42,00	H7	30107722	X3	●	207,30
43,00	H7	30243223	X3	○	308,00
44,00	H7	30107724	X3	○	277,50
45,00	H7	30107726	X3	●	277,50
46,00	H7	30107728	X3	●	277,50
47,00	H7	30107730	X3	○	277,50
48,00	H7	30107732	X3	○	266,10
49,00	H7	30331336	X3	○	308,00
50,00	H7	30107734	X3	●	266,10
51,00	H7	30331337	X3	○	387,60
52,00	H7	30107736	X3	○	355,60
53,00	H7	30209556	X3	○	387,60
54,00	H7	30306651	X3	○	387,60
55,00	H7	30107738	X3	●	341,30
56,00	H7	30209557	X3	○	438,00
57,00	H7	30331338	X3	○	438,00
58,00	H7	30107740	X3	●	401,80
59,00	H7	30562201	X3	○	438,00
60,00	H7	30107742	X3	●	360,50
61,00	H7	30331432	X3	○	528,70
62,00	H7	30107744	X3	○	489,60
63,00	H7	30331433	X3	○	537,30
64,00	H7	30331434	X3	○	537,30
65,00	H7	30107746	X3	●	497,40
66,00	H7	30528877	X3	○	623,30
67,00	H7	30562204	X3	○	623,30
68,00	H7	30107748	X3	○	577,20
69,00	H7	30331441	X3	○	623,30
70,00	H7	30107750	X3	●	551,80
72,00	H7	30107752	X3	○	738,20
73,00	H7	30331443	X3	○	790,00
74,00	H7	30331444	X3	○	790,00
75,00	H7	30107754	X3	●	738,20
76,00	H7	30216490	X3	○	902,50
78,00	H7	30107756	X3	○	843,40
80,00	H7	30107758	X3	●	843,40
82,00	H7	30107760	X3	○	1014,30
83,00	H7	30331446	X3	○	1085,20
84,00	H7	30331447	X3	○	1085,20
85,00	H7	30107762	X3	○	1014,30
86,00	H7	30331449	X3	○	1122,70
87,00	H7	30331450	X3	○	1122,70
88,00	H7	30107764	X3	○	1205,60
90,00	H7	30107766	X3	●	1049,50
92,00	H7	30107768	X3	●	1387,30
94,00	H7	30403707	X3	○	1446,90
95,00	H7	30107770	X3	○	1352,10
96,00	H7	30331451	X3	○	1540,80
98,00	H7	30107772	X3	○	1439,90
100,00	H7	30107774	X3	○	1439,90

Aufsteckschälreibahle I B031310
Helical shell reamer I B031310

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
25,00	H7	30107776	X3	○	159,50
26,00	H7	30107778	X3	○	159,50
27,00	H7	30107780	X3	●	199,40
28,00	H7	30107782	X3	○	161,10
29,00	H7	30107784	X3	●	223,40
30,00	H7	30107786	X3	○	161,10
31,00	H7	30107788	X3	●	220,10

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
32,00	H7	30107790	X3	○	172,20
34,00	H7	30107794	X3	○	185,10
35,00	H7	30107796	X3	○	185,10
36,00	H7	30107798	X3	○	215,20
37,00	H7	30107800	X3	●	253,50
38,00	H7	30107802	X3	○	215,20
40,00	H7	30107804	X3	○	215,20
42,00	H7	30107806	X3	○	220,10
44,00	H7	30107808	X3	○	304,60
45,00	H7	30107810	X3	○	264,70
46,00	H7	30107812	X3	○	319,10
47,00	H7	30107814	X3	○	319,10
48,00	H7	30107816	X3	○	310,90
50,00	H7	30107818	X3	○	310,90
52,00	H7	30107820	X3	○	392,30
55,00	H7	30107822	X3	●	392,30
58,00	H7	30134726	X3	○	480,00
60,00	H7	30107825	X3	○	406,80
62,00	H7	30107827	X3	●	515,00
65,00	H7	30107829	X3	○	515,00
68,00	H7	30107831	X3	○	559,80
70,00	H7	30107833	X3	○	559,80
72,00	H7	30107835	X3	○	703,20
75,00	H7	30107837	X3	○	703,20
78,00	H7	30107839	X3	●	908,90
80,00	H7	30107841	X3	○	711,20
82,00	H7	30107843	X3	○	1010,80
85,00	H7	30107845	X3	○	893,00
90,00	H7	30107849	X3	○	1087,70
95,00	H7	30107853	X3	○	1207,10
100,00	H7	30107857	X3	○	1222,90

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €

Aufsteckreibahlen, konfigurierbare Baureihen
Shell reamers, configurable series

Aufsteckreibahle I B040910
Shell reamer I B040910

24,800 - 26,200	X4	○	201,30
26,500 - 28,200	X4	○	201,30
29,500 - 32,200	X4	○	226,00
32,500 - 35,200	X4	○	226,00
35,500 - 38,200	X4	○	247,40
39,500 - 42,200	X4	○	247,40
42,500 - 45,200	X4	○	278,40
45,500 - 48,200	X4	○	281,40
49,500 - 52,200	X4	○	281,40
52,500 - 55,200	X4	○	303,10
55,500 - 58,200	X4	○	369,30
59,500 - 62,200	X4	○	445,00
62,500 - 65,200	X4	○	480,20
69,500 - 72,200	X4	○	480,20
72,200 - 75,200	X4	○	480,20

Aufsteckreibahle I B031211
Shell reamer I B031211

24,200 - 25,200	X3	○	163,00
25,201 - 26,200	X3	○	168,70
26,201 - 28,200	X3	○	174,50
28,200 - 30,200	X3	○	174,50
30,201 - 32,200	X3	○	190,90
32,201 - 34,200	X3	○	205,50
34,201 - 35,200	X3	○	205,50
35,201 - 36,200	X3	○	216,30
36,201 - 38,200	X3	○	225,40
38,201 - 40,200	X3	○	225,40
40,201 - 42,200	X3	○	236,30
42,201 - 44,200	X3	○	308,00
44,201 - 45,200	X3	○	308,00
45,201 - 46,200	X3	○	308,00
46,201 - 48,200	X3	○	308,00
48,201 - 50,200	X3	○	308,00
50,201 - 52,200	X3	○	387,60
52,201 - 55,200	X3	○	387,60
55,201 - 58,200	X3	○	438,00
58,201 - 60,200	X3	○	438,00
60,201 - 62,200	X3	○	528,70
62,201 - 65,200	X3	○	537,30
65,201 - 68,200	X3	○	623,30
68,201 - 70,200	X3	○	623,30
71,201 - 72,200	X3	○	790,00
72,201 - 75,200	X3	○	790,00
75,201 - 78,200	X3	○	902,50
78,201 - 80,200	X3	○	902,50
80,201 - 82,200	X3	○	1085,20
82,201 - 85,200	X3	○	1085,20
86,000 - 90,200	X3	○	1122,70
91,000 - 95,200	X3	○	1446,90
96,000 - 100,200	X3	○	1540,80

Aufsteckschälreibahle I B031310
Helical shell reamer I B031310

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
24,200 - 25,200	X3	○	183,20
25,201 - 26,200	X3	○	183,20
27,000 - 28,200	X3	○	185,10
29,000 - 30,200	X3	○	185,10
31,000 - 32,200	X3	○	196,30
33,000 - 34,200	X3	○	211,10
34,201 - 35,200	X3	○	211,10
35,201 - 36,200	X3	○	245,40
37,000 - 38,200	X3	○	245,40
39,000 - 40,200	X3	○	245,40
41,000 - 42,200	X3	○	250,90
43,000 - 44,200	X3	○	338,10
44,201 - 45,200	X3	○	338,10
45,201 - 46,200	X3	○	354,20
47,000 - 48,200	X3	○	354,20
49,000 - 50,200	X3	○	354,20
51,000 - 52,200	X3	○	427,70
54,000 - 55,200	X3	○	427,70
57,000 - 58,200	X3	○	523,30
59,000 - 60,200	X3	○	523,30
61,000 - 62,200	X3	○	556,10
64,000 - 65,200	X3	○	556,10
67,000 - 68,200	X3	○	604,40
69,000 - 70,200	X3	○	604,40
71,000 - 72,200	X3	○	759,60
74,000 - 75,200	X3	○	812,10
77,000 - 78,200	X3	○	972,60
79,000 - 80,200	X3	○	972,60
81,000 - 82,200	X3	○	1103,10
84,000 - 85,200	X3	○	1103,10
89,000 - 90,200	X3	○	1163,70
94,000 - 95,200	X3	○	1466,60
99,000 - 100,200	X3	○	1569,70

Zubehör für Aufsteckreibahlen
Accessories for shell reamers

Aufsteckhalter I B031610, B031611, B031612
Core drill holder I B031610, B031611, B031612

d_1	**Produkt-parameter** Product-parameter	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
13,00	MK3	30107905	X3	●	78,60
16,00	MK3	30107907	X3	●	88,00
19,00	MK4	30107909	X3	●	104,00
22,00	MK4	30107911	X3	●	129,80
27,00	MK5	30107913	X3	●	191,80
32,00	MK5	30107915	X3	●	229,80
40,00	MK5	30107917	X3	●	291,90
50,00	MK5	30107919	X3	●	424,30
19,00	MK3	30107921	X3	●	101,40
22,00	MK3	30107923	X3	●	132,90
27,00	MK4	30107925	X3	●	189,40
32,00	MK4	30107927	X3	●	227,70

Mitnahmeringe I B031511
Driving rings I B031511

f.D.13 mm		10071606	28	●	23,60
f.D.16 mm		10071607	28	●	26,50
f.D.19 mm		10071608	28	●	30,40
f.D.22 mm		10071609	28	●	37,10
f.D.27 mm		10071610	28	●	45,00
f.D.32 mm		10073078	28	●	52,50
f.D.40 mm		10073077	28	●	90,00
f.D.50 mm		10071611	28	●	119,80

Abdrückmuttern I B031512
Release nuts I B031512

f.D.13 mm		10071612	28	●	7,30
f.D.16 mm		10071613	28	●	9,60
f.D.19 mm		10071614	28	●	10,70
f.D.22 mm		10071615	28	●	14,80
f.D.27 mm		10071616	28	●	21,70
f.D.32 mm		10071617	28	●	25,30
f.D.40 mm		10071618	28	●	26,50
f.D.50 mm		10071619	28	●	50,50

Scheibenfedern I B031513
Washers I B031513

f.D.13 mm		10004044	28	●	1,20
f.D.16 mm		10070184	28	●	1,20
f.D.19 mm		10002907	28	●	1,20
f.D.22u.27 mm		10070185	28	●	1,20
f.D.32 mm		10070186	28	●	2,10
f.D.40u.50 mm		10002911	28	●	4,30

Maschinenreibahlen aus Hartmetall, ohne Innenkühlung, Vorzugsbaureihen
Machine reamers made of carbide, without internal coolant supply, preferred series

Maschinenreibahle I B040200
Machine reamer I B040200

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
1,00	H7	30612359	X4	●	48,70
1,20	H7	30612360	X4	●	49,50
1,50	H7	30612361	X4	●	43,30
1,60	H7	30612362	X4	●	46,20
1,80	H7	30612363	X4	●	50,80
2,00	H7	30612364	X4	●	41,00
2,20	H7	30612365	X4	●	49,50
2,50	H7	30612366	X4	●	44,60
3,00	H7	30612367	X4	●	50,80
3,20	H7	30612368	X4	●	59,30
3,50	H7	30612369	X4	●	57,10
4,00	H7	30612370	X4	●	59,30
4,50	H7	30612371	X4	●	70,80
5,00	H7	30612372	X4	●	71,60
5,50	H7	30612373	X4	●	86,40
6,00	H7	30612374	X4	●	83,10
6,50	H7	30612375	X4	●	100,30
7,00	H7	30612376	X4	●	101,70
7,50	H7	30612377	X4	●	111,10
8,00	H7	30612378	X4	●	106,40
8,50	H7	30612379	X4	●	120,00
9,00	H7	30612618	X4	●	123,40
9,50	H7	30612380	X4	●	143,10
10,00	H7	30612381	X4	●	132,50
10,50	H7	30612382	X4	●	151,10
11,00	H7	30612383	X4	●	155,60
12,00	H7	30612384	X4	●	158,70
13,00	H7	30612385	X4	●	180,20
14,00	H7	30612386	X4	●	201,90
15,00	H7	30612387	X4	●	228,00
16,00	H7	30612388	X4	●	246,40
17,00	H7	30612389	X4	●	174,20
18,00	H7	30612390	X4	●	157,10
19,00	H7	30612391	X4	●	201,90
20,00	H7	30612392	X4	●	175,60

Maschinenreibahle I B040201
Machine reamer I B040201

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
1,00	H7	30612393	X4	●	46,20
1,20	H7	30612394	X4	●	47,80
1,50	H7	30612395	X4	●	42,40
1,60	H7	30612396	X4	●	41,70
1,80	H7	30612397	X4	●	50,80
2,00	H7	30612398	X4	●	41,00
2,20	H7	30612399	X4	●	53,90
2,50	H7	30612400	X4	●	44,60
3,00	H7	30612401	X4	●	50,80
3,20	H7	30612402	X4	●	59,30
3,50	H7	30612403	X4	●	56,30
4,00	H7	30612404	X4	●	57,80
4,50	H7	30612405	X4	●	68,50
5,00	H7	30612406	X4	●	68,50
5,50	H7	30612407	X4	●	84,80
6,00	H7	30612408	X4	●	81,80
6,50	H7	30612409	X4	●	100,30
7,00	H7	30612410	X4	●	101,70
7,50	H7	30612411	X4	●	111,10
8,00	H7	30612412	X4	●	107,90
8,50	H7	30612413	X4	●	120,00
9,00	H7	30612619	X4	●	123,40
9,50	H7	30612414	X4	●	143,10
10,00	H7	30612415	X4	●	132,50
10,50	H7	30612416	X4	●	151,10
11,00	H7	30612417	X4	●	155,60
12,00	H7	30612418	X4	●	158,70
13,00	H7	30612419	X4	●	180,20
14,00	H7	30612420	X4	●	201,90
15,00	H7	30612421	X4	●	228,00
16,00	H7	30612422	X4	●	246,40
17,00	H7	30612423	X4	●	169,50
18,00	H7	30612424	X4	●	157,10
19,00	H7	30612425	X4	●	194,20
20,00	H7	30612426	X4	●	175,60

NC-Maschinenreibahle I B040210
NC machine reamer I B040210

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
1,00	H7	30670539	X4	●	57,10
1,10	H7	30670540	X4	●	73,10
1,20	H7	30670541	X4	●	73,10
1,50	H7	30670543	X4	●	57,10
1,60	H7	30670544	X4	●	73,10
1,80	H7	30670545	X4	●	73,10
2,00	H7	30670546	X4	●	57,10
2,20	H7	30670547	X4	●	73,10
2,50	H7	30670548	X4	●	57,10
3,00	H7	30670549	X4	●	60,00
3,20	H7	30670550	X4	●	60,00
3,50	H7	30670551	X4	●	60,00
4,00	H7	30612427	X4	●	71,60
4,50	H7	30612428	X4	●	71,60
5,00	H7	30612429	X4	●	80,30
5,50	H7	30612430	X4	●	80,30
6,00	H7	30612431	X4	●	86,40
6,50	H7	30612432	X4	●	86,40
7,00	H7	30612433	X4	●	95,40
7,50	H7	30612434	X4	●	95,40
8,00	H7	30612435	X4	●	111,10
8,50	H7	30612436	X4	●	111,10
9,00	H7	30612437	X4	●	121,60
9,50	H7	30612438	X4	●	121,60
10,00	H7	30612439	X4	●	131,10
10,50	H7	30612440	X4	●	131,10
11,00	H7	30612441	X4	●	168,00
12,00	H7	30612442	X4	●	168,00
13,00	H7	30612443	X4	●	164,90
14,00	H7	30612444	X4	●	164,90
15,00	H7	30612445	X4	●	175,60
16,00	H7	30612446	X4	●	180,20
17,00	H7	30612447	X4	●	185,00

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
18,00	H7	30612448	X4	●	186,50
19,00	H7	30612449	X4	●	194,20
20,00	H7	30612450	X4	●	197,20

NC-Maschinenreibahle I B040211
NC machine reamer I B040211

0,98	0,004	30612451	X4	●	65,40
0,99	0,004	30612452	X4	●	65,40
1,00	H7	30612453	X4	●	57,10
1,01	0,004	30612454	X4	●	65,40
1,02	0,004	30612455	X4	●	65,40
1,03	0,004	30612456	X4	●	65,40
1,10	H7	30612457	X4	○	73,10
1,20	H7	30612458	X4	○	73,10
1,48	0,004	30612459	X4	●	66,50
1,49	0,004	30612460	X4	●	66,50
1,50	H7	30612461	X4	●	57,10
1,51	0,004	30612462	X4	●	66,50
1,52	0,004	30612463	X4	●	66,50
1,53	0,004	30612464	X4	●	66,50
1,60	H7	30612465	X4	○	73,10
1,80	H7	30612466	X4	○	73,10
1,98	0,004	30612467	X4	●	66,50
1,99	0,004	30612468	X4	●	66,50
2,00	H7	30612469	X4	●	57,10
2,01	0,004	30612470	X4	●	66,50
2,02	0,004	30612471	X4	●	66,50
2,03	0,004	30612472	X4	●	66,50
2,20	H7	30612473	X4	○	73,10
2,48	0,004	30612474	X4	●	66,50
2,49	0,004	30612475	X4	●	66,50
2,50	H7	30612476	X4	●	57,10
2,51	0,004	30612477	X4	●	66,50
2,52	0,004	30612478	X4	●	66,50
2,53	0,004	30612479	X4	●	66,50
2,97	0,004	30612480	X4	●	68,50
2,98	0,004	30612481	X4	●	68,50
2,99	0,004	30612482	X4	●	68,50
3,00	H7	30612483	X4	●	60,00
3,01	0,004	30612484	X4	●	68,50
3,02	0,004	30612485	X4	●	68,50
3,03	0,004	30612486	X4	●	68,50
3,20	H7	30612487	X4	●	60,00
3,50	H7	30612488	X4	●	60,00
3,97	0,004	30612489	X4	●	80,30
3,98	0,004	30612490	X4	●	80,30
3,99	0,004	30612491	X4	●	80,30
4,00	H7	30612492	X4	●	71,60
4,01	0,004	30612493	X4	●	80,30
4,02	0,004	30612494	X4	●	80,30
4,03	0,004	30612495	X4	●	80,30
4,50	H7	30612496	X4	●	71,60
4,97	0,004	30612497	X4	●	88,00
4,98	0,004	30612498	X4	●	88,00
4,99	0,004	30612499	X4	●	88,00
5,00	H7	30612500	X4	●	80,30
5,01	0,004	30612501	X4	●	88,00
5,02	0,004	30612502	X4	●	88,00
5,03	0,004	30612503	X4	●	88,00
5,50	H7	30612504	X4	●	80,30
5,97	0,004	30612505	X4	●	95,40
5,98	0,004	30612506	X4	●	95,40
5,99	0,004	30612507	X4	●	95,40
6,00	H7	30612508	X4	●	86,40
6,01	0,004	30612509	X4	●	95,40
6,02	0,004	30612510	X4	●	95,40
6,03	0,004	30612511	X4	●	95,40
6,50	H7	30612512	X4	●	86,40
7,00	H7	30612513	X4	●	95,40
7,50	H7	30612514	X4	●	95,40
7,97	0,004	30612515	X4	●	120,00
7,98	0,004	30612516	X4	●	120,00
7,99	0,004	30612517	X4	●	120,00
8,00	H7	30612518	X4	●	111,10
8,01	0,004	30612519	X4	●	120,00
8,02	0,004	30612520	X4	●	120,00
8,03	0,004	30612521	X4	●	120,00
8,04	0,004	30612522	X4	●	120,00
8,50	H7	30612523	X4	●	111,10
9,00	H7	30612524	X4	●	121,60
9,50	H7	30612525	X4	●	121,60
9,97	0,004	30612526	X4	●	140,10
9,98	0,004	30612527	X4	●	140,10
9,99	0,004	30612528	X4	●	140,10
10,00	H7	30612529	X4	●	131,10
10,01	0,004	30612530	X4	●	140,10
10,02	0,004	30612531	X4	●	140,10
10,03	0,004	30612532	X4	●	140,10
10,04	0,004	30612533	X4	●	140,10
10,05	0,004	30612534	X4	●	140,10
10,50	H7	30612535	X4	●	131,10
11,00	H7	30612536	X4	●	168,00
11,97	0,004	30612537	X4	●	168,00
11,98	0,004	30612538	X4	●	168,00
11,99	0,004	30612539	X4	●	168,00
12,00	H7	30612540	X4	●	168,00
12,01	0,004	30612541	X4	●	168,00
12,02	0,004	30612542	X4	●	168,00
12,03	0,004	30612543	X4	●	168,00
12,04	0,004	30612544	X4	●	168,00
12,05	0,004	30612545	X4	●	168,00
13,00	H7	30612546	X4	●	164,90
14,00	H7	30612547	X4	●	164,90
15,00	H7	30612548	X4	●	175,60
16,00	H7	30612549	X4	●	180,20
17,00	H7	30612550	X4	●	185,00
18,00	H7	30612551	X4	●	186,50
19,00	H7	30612552	X4	●	194,20
20,00	H7	30612553	X4	●	197,20

Automatenreibahle I B040230, kurze Ausführung
Automatic lathe reamer I B040230, short design

3,00	H7	30109291	X4	○	73,10
3,20	H7	30109292	X4	○	87,80
3,50	H7	30109293	X4	○	87,80
4,00	H7	30109294	X4	○	87,80

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
4,50	H7	30109295	X4	○	91,80
5,00	H7	30109296	X4	○	94,70
5,50	H7	30109297	X4	○	101,50
6,00	H7	30109298	X4	○	101,50
6,50	H7	30109299	X4	○	108,00
7,00	H7	30109300	X4	○	116,60
7,50	H7	30109301	X4	○	123,10
8,00	H7	30109302	X4	○	123,10
8,50	H7	30109303	X4	○	126,50
9,00	H7	30109304	X4	○	143,60
9,50	H7	30109305	X4	○	151,00
10,00	H7	30109306	X4	○	151,00
10,50	H7	30109307	X4	○	154,70
11,00	H7	30109308	X4	○	189,40
11,50	H7	30109309	X4	○	200,20
12,00	H7	30109310	X4	○	201,90

Mikro-Maschinenreibahle I B040240
Micro machine reamer I B040240

0,60	0,004	30274506	X4	●	109,60
0,70	0,004	30274507	X4	●	109,60
0,80	0,004	30274508	X4	●	109,60
0,90	0,004	30274509	X4	●	109,60

NC-Maschinenreibahle I B040245
NC machine reamer I B040245

21,00	H7	30215791	X4	○	216,80
22,00	H7	30215792	X4	●	197,20
23,00	H7	30242804	X4	○	262,80
24,00	H7	30109462	X4	●	238,90
25,00	H7	30109464	X4	●	238,90
26,00	H7	30109466	X4	●	268,10
27,00	H7	30242816	X4	○	310,00
28,00	H7	30109468	X4	●	281,80
29,00	H7	30242817	X4	○	320,20
30,00	H7	30109470	X4	●	291,20

Maschinen-Dehnreibahle I B040311
Expandable machine reamer I B040311

8,00	H7	30109517	X4	●	100,30
8,50	H7	30310349	X4	○	128,70
9,00	H7	30109519	X4	●	111,10
9,50	H7	30310350	X4	○	128,70
10,00	H7	30109521	X4	●	106,40
10,50	H7	30310352	X4	○	133,90
11,00	H7	30109523	X4	●	115,70
11,50	H7	30310354	X4	○	133,90
12,00	H7	30109525	X4	●	111,10
12,50	H7	30310361	X4	○	171,70
13,00	H7	30109527	X4	●	147,90
14,00	H7	30109529	X4	●	151,10
15,00	H7	30109531	X4	●	172,50
16,00	H7	30109533	X4	●	178,70
17,00	H7	30310362	X4	○	217,90
18,00	H7	30109535	X4	●	188,00
19,00	H7	30310364	X4	○	230,60
20,00	H7	30109537	X4	●	198,70

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €

Maschinenreibahle I B040420
Machine reamer I B040420

5,00	H7	30109892	X4	●	106,40
5,50	H7	30312290	X4	○	124,10
6,00	H7	30109894	X4	●	107,90
6,50	H7	30312291	X4	○	141,70
7,00	H7	30109896	X4	●	129,40
7,50	H7	30312292	X4	○	148,60
8,00	H7	30109898	X4	●	123,40
8,50	H7	30312293	X4	○	164,80
9,00	H7	30109900	X4	●	152,60
9,50	H7	30312294	X4	○	175,40
10,00	H7	30109902	X4	●	143,10
10,50	H7	30312295	X4	○	186,20
11,00	H7	30109904	X4	●	161,80
11,50	H7	30312296	X4	○	196,80
12,00	H7	30109906	X4	●	171,00
13,00	H7	30109908	X4	●	186,50
14,00	H7	30109910	X4	●	220,50
15,00	H7	30109912	X4	●	238,90
16,00	H7	30109914	X4	●	257,30

Maschinenreibahle I B040421
Machine reamer I B040421

17,00	H7	30109922	X4	●	144,90
18,00	H7	30109924	X4	●	135,70
19,00	H7	30109926	X4	●	160,30
20,00	H7	30109928	X4	●	151,10
21,00	H7	30109930	X4	●	172,50
22,00	H7	30109932	X4	●	169,50
23,00	H7	30109934	X4	●	212,60
24,00	H7	30109936	X4	●	215,70
25,00	H7	30109938	X4	●	212,60
26,00	H7	30109940	X4	●	232,60
27,00	H7	30109942	X4	●	301,90
28,00	H7	30109944	X4	●	271,20
30,00	H7	30109946	X4	●	278,80
32,00	H7	30109948	X4	●	317,30
34,00	H7	30109950	X4	●	363,60
35,00	H7	30109952	X4	●	368,40
36,00	H7	30109954	X4	●	406,80
38,00	H7	30109956	X4	●	406,80
40,00	H7	30109958	X4	●	425,20

Maschinenreibahle I B040422
Machine reamer I B040422

5,00	H7	30109960	X4	●	106,40
5,50	H7	30312307	X4	○	124,10
6,00	H7	30109962	X4	●	107,90
6,50	H7	30312309	X4	○	141,70
7,00	H7	30109964	X4	●	132,50
7,50	H7	30312310	X4	○	148,60
8,00	H7	30109966	X4	●	127,80
8,50	H7	30312312	X4	○	164,80
9,00	H7	30109968	X4	●	152,60
9,50	H7	30312313	X4	○	175,40
10,00	H7	30109970	X4	●	141,70

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
10,50	H7	30312316	X4	○	186,20
11,00	H7	30109972	X4	●	161,80
11,50	H7	30312317	X4	○	196,80
12,00	H7	30109974	X4	●	171,00
13,00	H7	30109976	X4	●	186,50
14,00	H7	30109978	X4	●	220,50
15,00	H7	30109980	X4	●	238,90
16,00	H7	30109982	X4	●	257,30

Maschinenreibahle I B040423
Machine reamer I B040423

10,00	H7	30109984	X4	●	97,10
10,50	H7	30312621	X4	○	125,80
11,00	H7	30109986	X4	●	104,70
11,50	H7	30312622	X4	○	116,60
12,00	H7	30109988	X4	●	97,10
13,00	H7	30109990	X4	●	106,40
14,00	H7	30109992	X4	●	114,00
15,00	H7	30109994	X4	●	126,20
16,00	H7	30109996	X4	●	131,10
17,00	H7	30109998	X4	●	141,70
18,00	H7	30110000	X4	●	133,90
19,00	H7	30110002	X4	●	160,30
20,00	H7	30110004	X4	●	149,30
21,00	H7	30110006	X4	●	203,30
22,00	H7	30110008	X4	●	169,50
23,00	H7	30110010	X4	●	211,10
24,00	H7	30110012	X4	●	211,10
25,00	H7	30110014	X4	●	211,10
26,00	H7	30110016	X4	●	231,00
27,00	H7	30110018	X4	●	272,70
28,00	H7	30110020	X4	●	269,60
29,00	H7	30312623	X4	○	306,10
30,00	H7	30110022	X4	●	272,70
31,00	H7	30312624	X4	○	343,20
32,00	H7	30110024	X4	●	309,70
34,00	H7	30110026	X4	●	358,70
35,00	H7	30110028	X4	●	366,60
36,00	H7	30110030	X4	●	405,20
38,00	H7	30110032	X4	●	405,20
40,00	H7	30110034	X4	●	420,60

Maschinen-Dehnreibahle I B040511
Expandable machine reamer I B040511

8,00	H7	30110098	X4	●	120,00
8,50	H7	30316589	X4	○	148,30
9,00	H7	30110100	X4	●	127,80
9,50	H7	30316591	X4	○	148,30
10,00	H7	30110102	X4	●	126,20
10,50	H7	30316597	X4	○	159,20
11,00	H7	30110104	X4	●	137,30
11,50	H7	30316598	X4	○	159,20
12,00	H7	30110106	X4	●	126,20
12,50	H7	30316599	X4	○	184,10
13,00	H7	30110108	X4	●	158,70
14,00	H7	30110110	X4	●	151,10
15,00	H7	30110112	X4	●	178,70
16,00	H7	30110114	X4	●	183,20

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
17,00	H7	30110116	X4	●	194,20
18,00	H7	30110118	X4	●	188,00
19,00	H7	30110120	X4	●	198,70
20,00	H7	30110122	X4	●	189,60
21,00	H7	30316603	X4	○	232,20
22,00	H7	30110124	X4	●	200,20
23,00	H7	30316605	X4	○	276,90
24,00	H7	30110126	X4	●	243,50
25,00	H7	30110128	X4	●	243,50
26,00	H7	30110130	X4	●	272,70
27,00	H7	30316607	X4	○	320,00
28,00	H7	30110132	X4	●	286,60
30,00	H7	30110134	X4	●	295,70
32,00	H7	30110136	X4	●	338,80
34,00	H7	30110138	X4	●	406,80
35,00	H7	30110140	X4	●	406,80
36,00	H7	30110142	X4	●	417,50
38,00	H7	30110144	X4	●	428,30
40,00	H7	30110146	X4	●	429,80

Maschinenreibahle WN 280 I B040512
Machine reamer WN 280 I B040512

5,00	H7	30110148	X4	●	235,80
6,00	H7	30110149	X4	●	245,00
7,00	H7	30110150	X4	●	245,00
8,00	H7	30110151	X4	●	241,90
9,00	H7	30110152	X4	●	246,40
10,00	H7	30110153	X4	●	251,10
11,00	H7	30110154	X4	●	265,00
12,00	H7	30110155	X4	●	256,00
13,00	H7	30110156	X4	➲	➲
14,00	H7	30110157	X4	●	260,30
15,00	H7	30110158	X4	●	263,60
16,00	H7	30110159	X4	●	265,00
17,00	H7	30341963	X4	➲	➲
18,00	H7	30110160	X4	●	271,20
19,00	H7	30110161	X4	●	281,80
20,00	H7	30110162	X4	●	272,70
22,00	H7	30110163	X4	●	295,70
24,00	H7	30110164	X4	●	311,10
25,00	H7	30110165	X4	●	319,00
26,00	H7	30110166	X4	➲	➲
28,00	H7	30110167	X4	➲	➲
30,00	H7	30110168	X4	●	397,50
32,00	H7	30137424	X4	➲	➲
34,00	H7	30110169	X4	➲	➲
35,00	H7	30110170	X4	●	542,10
36,00	H7	30110171	X4	➲	➲
38,00	H7	30110172	X4	➲	➲
40,00	H7	30110173	X4	●	551,60

NC-Maschinenreibahle I B043211
NC machine reamer I B043211

1,00	H7	30612554	X4	○	84,20
1,20	H7	30612555	X4	○	84,20
1,50	H7	30612556	X4	○	84,20
1,60	H7	30612557	X4	○	84,20
1,80	H7	30612558	X4	○	84,20

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
2,00	H7	30612559	X4	●	68,40
2,20	H7	30612560	X4	○	84,20
2,50	H7	30612561	X4	○	84,20
3,00	H7	30612562	X4	●	72,20
3,20	H7	30612563	X4	○	88,80
3,50	H7	30612564	X4	○	88,80
4,00	H7	30612565	X4	●	86,10
4,50	H7	30612566	X4	○	103,20
5,00	H7	30612567	X4	●	96,30
5,50	H7	30612568	X4	○	124,30
6,00	H7	30612569	X4	●	103,60
6,50	H7	30612570	X4	○	124,30
7,00	H7	30612571	X4	○	136,50
7,50	H7	30612572	X4	○	136,50
8,00	H7	30612573	X4	●	133,10
8,50	H7	30612574	X4	○	158,40
9,00	H7	30612575	X4	○	172,40
9,50	H7	30612576	X4	○	172,40
10,00	H7	30612577	X4	●	157,10
10,50	H7	30612578	X4	○	183,70
11,00	H7	30612579	X4	○	231,20
12,00	H7	30612580	X4	●	201,50
13,00	H7	30612581	X4	○	235,00
14,00	H7	30612582	X4	●	197,70
15,00	H7	30612583	X4	○	244,20
16,00	H7	30612584	X4	●	216,30
17,00	H7	30612585	X4	○	255,40
18,00	H7	30612586	X4	○	257,30
19,00	H7	30612587	X4	○	266,20
20,00	H7	30612588	X4	○	270,00

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €

Maschinenreibahlen aus Hartmetall ohne Innenkühlung, konfigurierbare Baureihen
Machine reamers made of carbide, without internal coolant supply, configurable series

Maschinenreibahle I B040200
Machine reamer I B040200

0,950 - 1,060	X4	○	64,10
1,061 - 1,180	X4	○	65,20
1,181 - 1,320	X4	○	65,20
1,321 - 1,500	X4	○	65,20
1,501 - 1,700	X4	○	65,20
1,701 - 1,900	X4	○	67,30
1,901 - 2,120	X4	○	67,30
2,121 - 2,360	X4	○	67,30
2,361 - 2,650	X4	○	67,30
2,651 - 2,800	X4	○	67,30
2,801 - 3,030	X4	○	67,30
3,031 - 3,350	X4	○	78,50
3,351 - 3,750	X4	○	78,50
3,751 - 4,250	X4	○	78,50
4,251 - 4,750	X4	○	90,50
4,751 - 5,300	X4	○	91,70
5,301 - 6,030	X4	○	106,50
6,031 - 6,700	X4	○	125,30
6,701 - 7,500	X4	○	126,90
7,501 - 8,040	X4	○	133,00
8,041 - 8,500	X4	○	147,60
8,501 - 9,040	X4	○	151,60
9,041 - 9,500	X4	○	173,30
9,501 - 10,050	X4	○	173,30
10,051 - 10,600	X4	○	182,70
10,601 - 11,800	X4	○	188,20
11,801 - 12,500	X4	○	192,00
12,501 - 13,200	X4	○	213,60
13,201 - 14,000	X4	○	235,30
14,001 - 15,000	X4	○	261,40
15,001 - 16,000	X4	○	279,90
16,001 - 17,000	X4	○	207,40
17,001 - 18,000	X4	○	207,40
18,001 - 19,000	X4	○	235,30
19,001 - 20,000	X4	○	235,30

Maschinenreibahle I B040201
Machine reamer I B040201

0,950 - 1,060	X4	○	64,10
1,061 - 1,180	X4	○	65,20
1,181 - 1,320	X4	○	65,20
1,321 - 1,500	X4	○	65,20
1,501 - 1,700	X4	○	65,20
1,701 - 1,900	X4	○	67,30
1,901 - 2,120	X4	○	67,30
2,121 - 2,360	X4	○	67,30
2,361 - 2,650	X4	○	67,30
2,651 - 2,800	X4	○	67,30
2,801 - 3,030	X4	○	67,30
3,031 - 3,350	X4	○	78,50
3,351 - 3,750	X4	○	78,50
3,751 - 4,250	X4	○	78,50
4,251 - 4,750	X4	○	90,50

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
4,751 - 5,300	X4	○	91,70
5,301 - 6,030	X4	○	106,50
6,031 - 6,700	X4	○	125,30
6,701 - 7,500	X4	○	126,90
7,501 - 8,040	X4	○	133,00
8,041 - 8,500	X4	○	147,60
8,501 - 9,040	X4	○	151,60
9,041 - 9,500	X4	○	173,30
9,501 - 10,050	X4	○	173,30
10,051 - 10,600	X4	○	182,70
10,601 - 11,800	X4	○	188,20
11,801 - 12,500	X4	○	192,00
12,501 - 13,200	X4	○	213,60
13,201 - 14,000	X4	○	235,30
14,001 - 15,000	X4	○	261,40
15,001 - 16,000	X4	○	279,90
16,001 - 17,000	X4	○	207,40
17,001 - 18,000	X4	○	207,40
18,001 - 19,000	X4	○	235,30
19,001 - 20,000	X4	○	235,30

NC-Maschinenreibahle I B040210
NC machine reamer I B040210

0,950 - 1,060	X4	○	73,10
1,061 - 1,180	X4	○	73,10
1,181 - 1,320	X4	○	73,10
1,321 - 1,500	X4	○	73,10
1,501 - 1,700	X4	○	73,10
1,701 - 1,900	X4	○	73,10
1,901 - 2,120	X4	○	73,10
2,121 - 2,360	X4	○	73,10
2,361 - 2,650	X4	○	73,10
2,651 - 2,800	X4	○	76,80
2,801 - 3,030	X4	○	76,80
3,031 - 3,350	X4	○	76,80
3,351 - 3,750	X4	○	76,80
3,751 - 4,250	X4	○	89,40
4,251 - 4,750	X4	○	89,40
4,751 - 5,300	X4	○	100,30
5,301 - 6,030	X4	○	108,00
6,031 - 6,700	X4	○	108,00
6,701 - 7,500	X4	○	117,60
7,501 - 8,040	X4	○	134,20
8,041 - 8,500	X4	○	134,20
8,501 - 9,040	X4	○	147,20
9,041 - 9,500	X4	○	147,20
9,501 - 10,050	X4	○	156,00
10,051 - 10,600	X4	○	156,00
10,601 - 11,800	X4	○	198,00
11,801 - 12,500	X4	○	198,00
12,501 - 13,200	X4	○	198,20
13,201 - 14,000	X4	○	198,20
14,001 - 15,000	X4	○	209,10
15,001 - 16,000	X4	○	213,60
16,001 - 17,000	X4	○	218,40
17,001 - 18,000	X4	○	219,80
18,001 - 19,000	X4	○	227,50
19,001 - 20,000	X4	○	230,70

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €

NC-Maschinenreibahle I B040211
NC machine reamer I B040211

0,951 - 1,060	X4	○	73,10
1,061 - 1,180	X4	○	73,10
1,181 - 1,320	X4	○	73,10
1,321 - 1,500	X4	○	73,10
1,501 - 1,700	X4	○	73,10
1,701 - 1,900	X4	○	73,10
1,901 - 2,120	X4	○	73,10
2,121 - 2,360	X4	○	73,10
2,361 - 2,650	X4	○	73,10
2,651 - 2,800	X4	○	76,80
2,801 - 3,030	X4	○	76,80
3,031 - 3,350	X4	○	76,80
3,351 - 3,750	X4	○	76,80
3,751 - 4,250	X4	○	89,40
4,251 - 4,750	X4	○	89,40
4,751 - 5,300	X4	○	100,30
5,301 - 6,030	X4	○	108,00
6,031 - 6,700	X4	○	108,00
6,701 - 7,500	X4	○	117,60
7,501 - 8,040	X4	○	134,20
8,041 - 8,500	X4	○	134,20
8,501 - 9,040	X4	○	147,20
9,041 - 9,500	X4	○	147,20
9,501 - 10,050	X4	○	156,00
10,051 - 10,600	X4	○	156,00
10,601 - 11,800	X4	○	194,60
11,801 - 12,500	X4	○	194,60
12,501 - 13,200	X4	○	198,00
13,201 - 14,000	X4	○	198,00
14,001 - 15,000	X4	○	209,10
15,001 - 16,000	X4	○	213,60
16,001 - 17,000	X4	○	218,40
17,001 - 18,000	X4	○	219,80
18,001 - 19,000	X4	○	227,50
19,001 - 20,000	X4	○	230,70

Automatenreibahle I B040230, kurze Ausführung
Automatic lathe reamer I B040230, short design

2,890 - 3,100	X4	○	73,10
3,101 - 3,300	X4	○	87,80
3,301 - 3,700	X4	○	87,80
3,701 - 4,250	X4	○	87,80
4,251 - 4,600	X4	○	91,80
4,601 - 4,950	X4	○	94,70
4,951 - 5,300	X4	○	94,70
5,301 - 5,700	X4	○	101,50
5,701 - 6,200	X4	○	101,50
6,201 - 6,700	X4	○	108,00
6,701 - 7,200	X4	○	116,60
7,201 - 7,700	X4	○	123,10
7,701 - 8,200	X4	○	123,10
8,201 - 8,700	X4	○	126,50
8,701 - 9,200	X4	○	143,60
9,201 - 9,700	X4	○	151,00
9,701 - 10,200	X4	○	151,00

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
10,201 - 10,600	X4	○	154,70
10,601 - 11,200	X4	○	189,40
11,201 - 11,700	X4	○	200,20
11,701 - 12,200	X4	○	201,90

NC-Maschinenreibahle I B040245
NC machine reamer I B040245

20,001 - 21,200	X4	○	216,80
21,201 - 22,200	X4	○	216,80
22,201 - 23,200	X4	○	262,80
23,201 - 24,200	X4	○	262,80
24,201 - 25,200	X4	○	262,80
25,201 - 26,200	X4	○	294,90
26,201 - 27,200	X4	○	310,00
27,201 - 28,200	X4	○	310,00
28,201 - 29,200	X4	○	320,20
29,201 - 30,200	X4	○	320,20

Maschinen-Dehnreibahle I B040311
Expandable machine reamer I B040311

7,700 - 8,200	X4	○	116,40
8,201 - 8,700	X4	○	128,70
8,701 - 9,200	X4	○	128,70
9,201 - 9,700	X4	○	128,70
9,701 - 10,200	X4	○	128,70
10,201 - 10,700	X4	○	133,90
10,701 - 11,200	X4	○	133,90
11,201 - 11,700	X4	○	133,90
11,701 - 12,200	X4	○	133,90
12,201 - 12,700	X4	○	171,70
12,701 - 13,200	X4	○	171,70
13,201 - 14,200	X4	○	175,20
14,201 - 15,200	X4	○	200,20
15,201 - 16,200	X4	○	207,30
16,201 - 17,200	X4	○	217,90
17,201 - 18,200	X4	○	217,90
18,201 - 19,200	X4	○	230,60
19,201 - 20,200	X4	○	230,60

Maschinenreibahle I B040420
Machine reamer I B040420

4,750 - 5,300	X4	○	122,40
5,301 - 5,700	X4	○	124,10
5,701 - 6,110	X4	○	124,10
6,111 - 6,700	X4	○	141,70
6,701 - 7,200	X4	○	141,70
7,201 - 7,700	X4	○	148,60
7,701 - 8,200	X4	○	148,60
8,201 - 8,700	X4	○	164,80
8,701 - 9,200	X4	○	164,80
9,201 - 9,700	X4	○	175,40
9,701 - 10,200	X4	○	175,40
10,201 - 10,700	X4	○	186,20
10,701 - 11,700	X4	○	196,80
11,701 - 12,200	X4	○	196,80
12,201 - 13,200	X4	○	214,40
13,201 - 14,200	X4	○	253,40
14,201 - 15,200	X4	○	272,20

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
15,201 - 16,200	X4	○	290,70

Maschinenreibahle I B040421
Machine reamer I B040421

16,141 - 17,140	X4	○	178,00
17,141 - 18,140	X4	○	178,00
18,141 - 19,160	X4	○	193,70
19,161 - 20,160	X4	○	193,70
20,161 - 21,200	X4	○	206,00
21,201 - 22,200	X4	○	206,00
22,201 - 23,200	X4	○	246,00
23,201 - 24,200	X4	○	249,20
24,201 - 25,160	X4	○	249,20
25,161 - 26,200	X4	○	266,00
26,201 - 27,200	X4	○	304,60
27,201 - 28,160	X4	○	304,60
29,201 - 30,160	X4	○	312,40
31,201 - 32,200	X4	○	350,90
33,201 - 34,200	X4	○	397,00
34,201 - 35,200	X4	○	401,70
35,201 - 36,200	X4	○	440,10
37,201 - 38,200	X4	○	440,10
39,201 - 40,160	X4	○	458,60

Maschinenreibahle I B040422
Machine reamer I B040422

4,750 - 5,300	X4	○	122,40
5,301 - 5,700	X4	○	124,10
5,701 - 6,110	X4	○	124,10
6,111 - 6,700	X4	○	141,70
6,701 - 7,200	X4	○	141,70
7,201 - 7,700	X4	○	148,60
7,701 - 8,200	X4	○	148,60
8,201 - 8,700	X4	○	164,80
8,701 - 9,200	X4	○	164,80
9,201 - 9,700	X4	○	175,40
9,701 - 10,200	X4	○	175,40
10,201 - 10,700	X4	○	186,20
10,701 - 11,700	X4	○	196,80
11,701 - 12,200	X4	○	196,80
12,201 - 13,200	X4	○	214,40
13,201 - 14,200	X4	○	253,40
14,201 - 15,200	X4	○	272,20
15,201 - 16,200	X4	○	290,70

Maschinenreibahle I B040423
Machine reamer I B040423

9,640 - 10,200	X4	○	116,60
10,201 - 10,640	X4	○	125,80
10,641 - 11,140	X4	○	125,80
11,141 - 11,800	X4	○	116,60
11,801 - 12,200	X4	○	116,60
12,201 - 13,200	X4	○	127,60
13,201 - 14,140	X4	○	136,80
14,141 - 15,140	X4	○	151,50
15,141 - 16,140	X4	○	157,30
16,141 - 17,140	X4	○	178,00
17,141 - 18,140	X4	○	178,00

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
18,141 - 19,160	X4	○	193,70
19,161 - 20,160	X4	○	193,70
20,161 - 21,200	X4	○	206,00
21,201 - 22,200	X4	○	206,00
22,201 - 23,200	X4	○	246,00
23,201 - 24,200	X4	○	249,20
24,201 - 25,160	X4	○	249,20
25,161 - 26,200	X4	○	266,00
26,201 - 27,200	X4	○	304,60
27,201 - 28,160	X4	○	304,60
28,160 - 29,200	X4	○	306,10
29,201 - 30,160	X4	○	312,40
30,161 - 31,200	X4	○	343,20
31,201 - 32,200	X4	○	350,90
33,201 - 34,200	X4	○	397,00
34,201 - 35,200	X4	○	401,70
35,201 - 36,200	X4	○	440,10
37,201 - 38,200	X4	○	440,10
39,201 - 40,160	X4	○	458,60

Maschinen-Dehnreibahle I B040511
Expandable machine reamer I B040511

7,700 - 8,200	X4	○	139,30
8,201 - 8,700	X4	○	148,30
8,701 - 9,200	X4	○	148,30
9,201 - 9,700	X4	○	148,30
9,701 - 10,200	X4	○	148,30
10,201 - 10,700	X4	○	159,20
10,701 - 11,200	X4	○	159,20
11,201 - 11,700	X4	○	159,20
11,701 - 12,200	X4	○	159,20
12,201 - 12,700	X4	○	184,10
12,700 - 13,200	X4	○	184,10
13,201 - 14,200	X4	○	184,10
14,201 - 15,200	X4	○	207,30
15,201 - 16,200	X4	○	212,60
16,201 - 17,200	X4	○	225,10
17,201 - 18,200	X4	○	225,10
18,201 - 19,200	X4	○	230,60
19,201 - 20,200	X4	○	230,60
20,201 - 21,200	X4	○	232,20
21,201 - 22,200	X4	○	232,20
22,201 - 23,200	X4	○	276,90
23,201 - 24,200	X4	○	276,90
24,201 - 25,200	X4	○	276,90
25,201 - 26,200	X4	○	306,10
26,201 - 27,200	X4	○	320,00
27,201 - 28,200	X4	○	320,00
29,201 - 30,200	X4	○	329,00
31,200 - 32,200	X4	○	372,20
33,201 - 34,200	X4	○	440,10
34,201 - 35,200	X4	○	440,10
35,201 - 36,200	X4	○	451,10
37,201 - 38,200	X4	○	461,60
39,201 - 40,200	X4	○	463,30

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €

NC-Maschinenreibahle I B043211
NC machine reamer I B043211

0,951 - 1,060	X4	○	84,20
1,061 - 1,180	X4	○	84,20
1,181 - 1,320	X4	○	84,20
1,321 - 1,500	X4	○	84,20
1,501 - 1,700	X4	○	84,20
1,701 - 1,900	X4	○	84,20
1,901 - 2,120	X4	○	84,20
2,121 - 2,360	X4	○	84,20
2,361 - 2,650	X4	○	84,20
2,651 - 2,800	X4	○	88,80
2,801 - 3,030	X4	○	88,80
3,031 - 3,350	X4	○	88,80
3,351 - 3,750	X4	○	88,80
3,751 - 4,250	X4	○	103,20
4,251 - 4,750	X4	○	103,20
4,751 - 5,300	X4	○	115,60
5,301 - 6,030	X4	○	124,30
6,031 - 6,700	X4	○	124,30
6,701 - 7,500	X4	○	136,50
7,501 - 8,040	X4	○	158,40
8,041 - 8,500	X4	○	158,40
8,501 - 9,040	X4	○	172,40
9,041 - 9,500	X4	○	172,40
9,501 - 10,050	X4	○	183,70
10,051 - 10,600	X4	○	183,70
10,601 - 11,800	X4	○	231,20
11,801 - 12,500	X4	○	231,20
12,501 - 13,200	X4	○	235,00
13,201 - 14,000	X4	○	235,00
14,001 - 15,000	X4	○	244,20
15,001 - 16,000	X4	○	249,90
16,001 - 17,000	X4	○	255,40
17,001 - 18,000	X4	○	257,30
18,001 - 19,000	X4	○	266,20
19,001 - 20,000	X4	○	270,00

Maschinenreibahlen aus HSS-E, ohne Innenkühlung, Vorzugsbaureihen
Machine reamers made of HSS-E, without internal coolant supply, preferred series

Nietlochreibahle I B030010
Bridge reamer I B030010

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
6,40	k11	30102602	X3	●	70,20
7,40	k11	30102604	X3	●	73,50
8,40	k11	30102606	X3	●	73,50
9,50	k11	30102608	X3	●	73,50
10,00	k11	30102610	X3	●	73,50
11,00	k11	30102612	X3	●	73,50
12,00	k11	30102614	X3	●	79,00
13,00	k11	30102616	X3	●	79,00
14,00	k11	30102618	X3	●	79,90
15,00	k11	30102620	X3	●	84,50
16,00	k11	30102622	X3	●	89,20
17,00	k11	30102624	X3	●	105,20
18,00	k11	30102626	X3	●	113,10
19,00	k11	30102628	X3	●	125,90
20,00	k11	30102630	X3	●	127,40
21,00	k11	30102632	X3	●	132,40
22,00	k11	30102634	X3	●	140,40
23,00	k11	30102636	X3	●	148,20
24,00	k11	30102638	X3	●	157,90
25,00	k11	30102640	X3	●	159,50
26,00	k11	30102642	X3	●	173,80
27,00	k11	30102644	X3	●	193,00
28,00	k11	30102646	X3	●	193,00
30,00	k11	30102648	X3	●	221,70
31,00	k11	30102650	X3	●	253,50
32,00	k11	30102652	X3	●	298,30
33,00	k11	30102654	X3	●	320,30
34,00	k11	30102656	X3	●	336,30
37,00	k11	30102658	X3	●	381,10
40,00	k11	30102660	X3	●	419,40

Maschinenreibahle I B030110
Machine reamer I B030110

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
5,00	H7	30102665	X3	●	55,80
6,00	H7	30102667	X3	●	55,80
7,00	H7	30102669	X3	○	58,90
8,00	H7	30102671	X3	●	58,90
9,00	H7	30102673	X3	○	67,80
10,00	H7	30102675	X3	●	50,20
11,00	H7	30102677	X3	○	55,80
12,00	H7	30102679	X3	●	55,10
13,00	H7	30102681	X3	○	57,40
14,00	H7	30102683	X3	●	58,20
15,00	H7	30102685	X3	●	71,70
16,00	H7	30102687	X3	●	72,70
17,00	H7	30102689	X3	○	77,30
18,00	H7	30102691	X3	●	79,90
19,00	H7	30102693	X3	○	84,50
20,00	H7	30102695	X3	●	84,50
21,00	H7	30102697	X3	○	95,70
22,00	H7	30102699	X3	●	95,70
23,00	H7	30102701	X3	●	110,00
24,00	H7	30102703	X3	○	111,70
25,00	H7	30102705	X3	●	116,50
26,00	H7	30102707	X3	○	125,90
27,00	H7	30102709	X3	○	138,80
28,00	H7	30102711	X3	○	138,80
29,00	H7	30102713	X3	○	154,80
30,00	H7	30102715	X3	○	143,60
31,00	H7	30102717	X3	○	183,30
32,00	H7	30102719	X3	○	185,10

Maschinenreibahle I B030111
Machine reamer I B030111

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,00	H7	30102748	X3	●	58,90
4,00	H7	30102750	X3	●	55,80
5,00	H7	30102752	X3	●	55,80
6,00	H7	30102754	X3	●	55,80
7,00	H7	30102756	X3	●	58,90
8,00	H7	30102758	X3	●	58,90
9,00	H7	30102760	X3	●	67,80
10,00	H7	30102762	X3	●	50,20
11,00	H7	30102764	X3	●	55,80
12,00	H7	30102766	X3	●	55,10
13,00	H7	30102768	X3	●	57,40
14,00	H7	30102770	X3	●	58,20
15,00	H7	30102772	X3	●	71,70
16,00	H7	30102774	X3	●	72,70
17,00	H7	30102776	X3	●	77,30
18,00	H7	30102778	X3	●	79,90
19,00	H7	30102780	X3	●	84,50
20,00	H7	30102782	X3	●	84,50
21,00	H7	30102784	X3	●	95,70
22,00	H7	30102786	X3	●	95,70
23,00	H7	30102788	X3	●	110,00
24,00	H7	30102790	X3	●	111,70
25,00	H7	30102792	X3	●	116,50
26,00	H7	30102794	X3	●	125,90
27,00	H7	30102796	X3	●	138,80
28,00	H7	30102798	X3	●	138,80
29,00	H7	30102800	X3	●	154,80
30,00	H7	30102802	X3	●	143,60
31,00	H7	30102804	X3	●	183,30
32,00	H7	30102806	X3	●	185,10
33,00	H7	30102808	X3	●	210,40
34,00	H7	30102810	X3	●	210,40
35,00	H7	30102812	X3	●	210,40
36,00	H7	30102814	X3	●	228,20
37,00	H7	30102816	X3	●	250,30
38,00	H7	30102818	X3	●	250,30
40,00	H7	30102820	X3	●	251,90
42,00	H7	30102822	X3	●	274,50
44,00	H7	30102824	X3	●	325,50
45,00	H7	30102826	X3	●	328,40
46,00	H7	30102828	X3	●	387,50
47,00	H7	30102830	X3	●	409,90
48,00	H7	30102832	X3	●	413,00
50,00	H7	30102834	X3	●	413,00

Maschinenreibahle I B033111
Maschinenreibahle I B033111

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
10,00	H7	30107929	X3	●	100,60
11,00	H7	30107931	X3	●	111,70
12,00	H7	30107933	X3	●	110,00
13,00	H7	30107935	X3	●	114,90
14,00	H7	30107937	X3	●	116,50
15,00	H7	30107939	X3	●	141,80
16,00	H7	30107941	X3	●	145,10
17,00	H7	30107943	X3	●	162,60
18,00	H7	30107945	X3	●	161,10
19,00	H7	30107947	X3	●	178,50
20,00	H7	30107949	X3	●	178,50

Maschinen-Schälreibahle I B030310
Helical machine reamer I B030310

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
5,00	H7	30102871	X3	○	70,20
6,00	H7	30102873	X3	●	66,30
7,00	H7	30102875	X3	●	74,20
8,00	H7	30102877	X3	○	70,20
9,00	H7	30102879	X3	○	84,50
10,00	H7	30102881	X3	○	58,90
11,00	H7	30102883	X3	●	67,00
12,00	H7	30102885	X3	○	62,30
13,00	H7	30102887	X3	●	71,00
14,00	H7	30102889	X3	●	71,00
15,00	H7	30102891	X3	●	77,30
16,00	H7	30102893	X3	●	77,30
17,00	H7	30102895	X3	●	84,50
18,00	H7	30102897	X3	●	84,50
19,00	H7	30102899	X3	○	95,70
20,00	H7	30102901	X3	●	87,90
21,00	H7	30102903	X3	●	106,80
22,00	H7	30102905	X3	●	100,60
23,00	H7	30102907	X3	●	127,40
24,00	H7	30102909	X3	●	127,40
25,00	H7	30102911	X3	●	127,40
26,00	H7	30102913	X3	○	135,70
27,00	H7	30102915	X3	○	157,90
28,00	H7	30102917	X3	○	150,10
29,00	H7	30102919	X3	●	181,90
30,00	H7	30102921	X3	○	157,90
31,00	H7	30102923	X3	○	256,90
32,00	H7	30102925	X3	○	212,20

NC-Maschinenreibahle I B030505
NC machine reamer I B030505

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
1,00	H7	30330779	X3	○	30,10
1,01	0,004	30103146	X3	●	23,70
1,02	0,004	30103147	X3	●	23,70
1,10	H7	10082114	X3	○	30,10
1,20	H7	30330781	X3	○	30,10
1,40	H7	30330783	X3	○	30,10
1,50	H7	30102976	X3	●	16,30
1,51	0,004	30103149	X3	●	20,80
1,52	0,004	30103150	X3	●	20,80
1,60	H7	30102977	X3	●	18,40
1,70	H7	30102978	X3	●	18,40
1,80	H7	30102979	X3	●	18,40
1,90	H7	30102980	X3	●	18,40
1,97	0,004	30103151	X3	●	20,80
1,98	0,004	30103152	X3	●	20,80
1,99	0,004	30103153	X3	●	20,80
2,00	H7	30102981	X3	●	15,80
2,01	0,004	30103155	X3	●	19,50
2,02	0,004	30103156	X3	●	19,50
2,10	H7	30102982	X3	●	19,30
2,20	H7	30102983	X3	●	19,30
2,30	H7	30102984	X3	●	19,30
2,40	H7	30102985	X3	●	19,30
2,48	0,004	30103157	X3	●	22,60
2,49	0,004	30103158	X3	●	22,60
2,50	H7	30102986	X3	●	15,80
2,51	0,004	30103160	X3	●	19,30
2,52	0,004	30103161	X3	●	19,30
2,60	H7	30102987	X3	●	20,40
2,70	H7	30102988	X3	●	20,40
2,80	H7	30102989	X3	●	20,40
2,90	H7	30102990	X3	●	20,40
2,97	0,004	30103162	X3	●	23,00
2,98	0,004	30103163	X3	●	23,00
2,99	0,004	30103164	X3	●	23,00
3,00	H7	30102991	X3	●	14,50
3,01	0,004	30103166	X3	●	17,00
3,02	0,004	30103167	X3	●	17,00
3,10	H7	30102992	X3	●	19,30
3,20	H7	30102993	X3	●	19,30
3,30	H7	30102994	X3	●	19,30
3,40	H7	30102995	X3	●	19,30
3,50	H7	30102996	X3	●	17,00
3,60	H7	30102997	X3	●	21,20
3,70	H7	30102998	X3	●	21,20
3,80	H7	30103000	X3	●	21,20
3,90	H7	30103002	X3	●	15,50
3,97	0,004	30103169	X3	●	18,80
3,98	0,004	30103171	X3	●	18,80
3,99	0,004	30103173	X3	●	18,80
4,00	H7	30103004	X3	●	15,80
4,01	0,004	30103177	X3	●	18,80
4,02	0,004	30103179	X3	●	18,80
4,10	H7	30103006	X3	●	20,00
4,20	H7	30103008	X3	●	20,00
4,30	H7	30103010	X3	●	20,00
4,40	H7	30103012	X3	●	20,00
4,50	H7	30103014	X3	●	17,00
4,60	H7	30103016	X3	●	21,70
4,70	H7	30103018	X3	●	21,70
4,80	H7	30103020	X3	●	21,70
4,90	H7	30103022	X3	●	21,70
4,97	0,004	30103181	X3	●	20,40
4,98	0,004	30103183	X3	●	20,40
4,99	0,004	30103185	X3	●	20,40
5,00	H7	30103024	X3	●	16,30
5,01	0,004	30103189	X3	●	20,40
5,02	0,004	30103191	X3	●	20,40

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
5,10	H7	30103026	X3	●	21,70
5,20	H7	30103028	X3	●	21,70
5,30	H7	30103030	X3	●	21,70
5,40	H7	30103032	X3	●	21,70
5,50	H7	30103034	X3	●	20,00
5,60	H7	30103036	X3	●	21,70
5,70	H7	30103038	X3	●	21,70
5,80	H7	30103040	X3	●	21,70
5,90	H7	30103042	X3	●	21,70
5,97	0,005	30103193	X3	●	22,60
5,98	0,005	30103195	X3	●	22,60
5,99	0,005	30103197	X3	●	22,60
6,00	H7	30103044	X3	●	17,40
6,01	0,005	30103201	X3	●	22,60
6,02	0,005	30103203	X3	●	22,60
6,10	H7	30103046	X3	●	21,70
6,20	H7	30103048	X3	●	21,70
6,30	H7	30103050	X3	●	21,70
6,40	H7	30103052	X3	●	21,70
6,50	H7	30103054	X3	●	20,80
6,60	H7	30103056	X3	●	21,70
6,70	H7	30103058	X3	●	21,70
6,80	H7	30103060	X3	●	21,70
6,90	H7	30103062	X3	●	21,70
7,00	H7	30103064	X3	●	20,80
7,10	H7	30103066	X3	●	24,20
7,20	H7	30103068	X3	●	24,20
7,30	H7	30103070	X3	●	24,20
7,40	H7	30103072	X3	●	24,20
7,50	H7	30103074	X3	●	23,70
7,60	H7	30103076	X3	●	25,50
7,70	H7	30103078	X3	●	25,50
7,80	H7	30103080	X3	●	25,50
7,90	H7	30103082	X3	●	25,50
7,97	0,005	30103205	X3	●	24,20
7,98	0,005	30103207	X3	●	24,20
7,99	0,005	30103209	X3	●	24,20
8,00	H7	30103084	X3	●	21,70
8,01	0,005	30103213	X3	●	24,20
8,02	0,005	30103215	X3	●	24,20
8,10	H7	30103086	X3	●	29,80
8,20	H7	30103088	X3	●	29,80
8,30	H7	30103090	X3	●	29,80
8,40	H7	30103092	X3	●	29,80
8,50	H7	30103094	X3	●	27,20
8,60	H7	30103096	X3	●	27,60
8,70	H7	30103098	X3	●	27,60
8,80	H7	30103100	X3	●	27,60
8,90	H7	30103102	X3	●	27,60
9,00	H7	30103104	X3	●	24,80
9,01	0,005	30103219	X3	●	30,60
9,02	0,005	30103221	X3	●	30,60
9,10	H7	30103106	X3	●	28,70
9,20	H7	30103108	X3	●	28,70
9,30	H7	30103110	X3	●	28,70
9,40	H7	30103112	X3	●	28,70
9,50	H7	30103114	X3	●	28,10
9,60	H7	30103116	X3	●	29,40
9,70	H7	30103118	X3	●	29,40
9,80	H7	30103120	X3	●	29,40
9,90	H7	30103122	X3	●	29,40
9,97	0,005	30103223	X3	●	30,60
9,98	0,005	30103225	X3	●	30,60
9,99	0,005	30103227	X3	●	30,60
10,00	H7	30103124	X3	●	25,50
10,01	0,005	30103231	X3	●	30,60
10,02	0,005	30103233	X3	●	30,60
10,50	H7	30310463	X3	○	57,30
11,00	H7	30103126	X3	●	35,80
11,50	H7	30310464	X3	○	60,00
11,97	0,005	30103235	X3	●	43,90
11,98	0,005	30103237	X3	●	43,90
11,99	0,005	30103239	X3	●	43,90
12,00	H7	30103128	X3	●	37,50
13,00	H7	30103130	X3	●	41,60
14,00	H7	30103132	X3	●	43,10
15,00	H7	30103134	X3	●	43,90
16,00	H7	30103136	X3	●	45,40
17,00	H7	30103138	X3	●	54,10
18,00	H7	30103140	X3	●	55,80
19,00	H7	30103142	X3	●	65,40
20,00	H7	30103144	X3	●	63,10

Satz NC-Maschinenreibahlen I B030507, 10-teilig
Set NC machine reamers I B030507, 10 pieces

ø 1,50/2/3/4/5/6/7/8/10/12	30134724	X3	●	253,50

Maschinenreibahle I B030510
Machine reamer I B030510

1,00	H7	30103244	X3	●	30,20
1,10	H7	30103245	X3	○	45,40
1,20	H7	30103246	X3	○	44,90
1,40	H7	30103248	X3	○	39,40
1,50	H7	30103249	X3	●	25,50
1,60	H7	30103250	X3	○	38,60
1,80	H7	30103252	X3	○	42,00
2,00	H7	30103254	X3	●	23,70
2,20	H7	30103256	X3	○	43,60
2,50	H7	30103259	X3	●	23,40
3,00	H7	30103264	X3	●	20,40
3,20	H7	30103266	X3	○	43,60
3,50	H7	30103269	X3	●	24,80
4,00	H7	30103277	X3	●	23,70
4,50	H7	30103287	X3	●	25,50
5,00	H7	30103297	X3	●	23,70
5,50	H7	30103307	X3	●	29,40
6,00	H7	30103317	X3	●	24,60
6,50	H7	30103327	X3	●	31,00
7,00	H7	30103337	X3	●	30,20
7,50	H7	30103347	X3	●	37,50
8,00	H7	30103357	X3	●	30,60
8,50	H7	30103367	X3	●	40,80
9,00	H7	30103377	X3	●	37,50
9,50	H7	30103385	X3	●	42,40
10,00	H7	30103395	X3	●	36,70
10,50	H7	30103405	X3	●	50,20

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
11,00	H7	30103411	X3	●	51,00
11,50	H7	30103417	X3	●	61,50
12,00	H7	30103427	X3	●	53,50
13,00	H7	30103429	X3	●	58,90
14,00	H7	30103431	X3	●	59,70
15,00	H7	30103433	X3	●	63,10
16,00	H7	30103435	X3	●	67,80
17,00	H7	30103437	X3	●	81,50
18,00	H7	30103439	X3	●	79,90
19,00	H7	30103441	X3	●	97,40
20,00	H7	30103443	X3	●	87,90

Maschinenreibahle I B030511
Machine reamer I B030511

1,00	H7	30103444	X3	●	29,30
1,10	H7	30103445	X3	●	30,40
1,20	H7	30103446	X3	●	28,30
1,30	H7	30103447	X3	●	31,30
1,40	H7	30103448	X3	●	26,60
1,50	H7	30103449	X3	●	23,80
1,60	H7	30103450	X3	●	27,10
1,70	H7	30103451	X3	●	27,10
1,80	H7	30103452	X3	●	27,10
1,90	H7	30103453	X3	●	27,10
2,00	H7	30103454	X3	●	21,60
2,10	H7	30103455	X3	●	27,10
2,20	H7	30103456	X3	●	27,10
2,30	H7	30103457	X3	●	27,10
2,40	H7	30103458	X3	●	27,10
2,50	H7	30103459	X3	●	21,70
2,60	H7	30103460	X3	●	28,30
2,70	H7	30103461	X3	●	28,30
2,80	H7	30103462	X3	●	28,30
2,90	H7	30103463	X3	●	28,30
3,00	H7	30103464	X3	●	20,00
3,10	H7	30103465	X3	●	26,60
3,20	H7	30103466	X3	●	26,60
3,30	H7	30103467	X3	●	26,60
3,40	H7	30103468	X3	●	26,60
3,50	H7	30103469	X3	●	23,40
3,60	H7	30103470	X3	●	29,50
3,70	H7	30103471	X3	●	29,50
3,80	H7	30103473	X3	●	29,50
3,90	H7	30103475	X3	●	22,70
4,00	H7	30103477	X3	●	21,70
4,10	H7	30103479	X3	●	27,70
4,20	H7	30103481	X3	●	27,70
4,30	H7	30103483	X3	●	27,70
4,40	H7	30103485	X3	●	27,70
4,50	H7	30103487	X3	●	23,40
4,60	H7	30103489	X3	●	30,00
4,70	H7	30103491	X3	●	30,00
4,80	H7	30103493	X3	●	30,00
4,90	H7	30103495	X3	●	30,00
5,00	H7	30103497	X3	●	22,70
5,10	H7	30103499	X3	●	30,00
5,20	H7	30103501	X3	●	30,00
5,30	H7	30103503	X3	●	30,00
5,40	H7	30103505	X3	●	30,00
5,50	H7	30103507	X3	●	27,70
5,60	H7	30103509	X3	●	30,00
5,70	H7	30103511	X3	●	30,00
5,80	H7	30103513	X3	●	30,00
5,90	H7	30103515	X3	●	30,00
6,00	H7	30103517	X3	●	23,80
6,10	H7	30103519	X3	●	30,00
6,20	H7	30103521	X3	●	30,00
6,30	H7	30103523	X3	●	30,00
6,40	H7	30103525	X3	●	30,00
6,50	H7	30103527	X3	●	29,30
6,60	H7	30103529	X3	●	30,00
6,70	H7	30103531	X3	●	30,00
6,80	H7	30103533	X3	●	30,40
6,90	H7	30103535	X3	●	30,40
7,00	H7	30103537	X3	●	29,30
7,10	H7	30103539	X3	●	34,50
7,20	H7	30103541	X3	●	34,50
7,30	H7	30103543	X3	●	34,50
7,40	H7	30103545	X3	●	34,50
7,50	H7	30103547	X3	●	33,60
7,60	H7	30103549	X3	●	35,20
7,70	H7	30103551	X3	●	35,20
7,80	H7	30103553	X3	●	35,20
7,90	H7	30103555	X3	●	35,20
8,00	H7	30103557	X3	●	30,00
8,10	H7	30103559	X3	●	41,60
8,20	H7	30103561	X3	●	41,60
8,30	H7	30103563	X3	●	41,60
8,40	H7	30103565	X3	●	41,60
8,50	H7	30103567	X3	●	37,50
8,60	H7	30103569	X3	●	38,30
8,70	H7	30103571	X3	●	38,30
8,80	H7	30103573	X3	●	38,30
8,90	H7	30103575	X3	●	38,30
9,00	H7	30103577	X3	●	35,20
9,10	H7	30103579	X3	●	39,60
9,20	H7	30103581	X3	●	39,60
9,30	H7	30103583	X3	●	39,60
9,40	H7	30103585	X3	●	39,60
9,50	H7	30103587	X3	●	38,30
9,60	H7	30103589	X3	●	40,80
9,70	H7	30103591	X3	●	40,80
9,80	H7	30103593	X3	●	40,80
9,90	H7	30103595	X3	●	40,80
10,00	H7	30103597	X3	●	35,20
10,10	H7	30103599	X3	●	49,60
10,20	H7	30103601	X3	●	49,60
10,30	H7	30103603	X3	●	49,60
10,40	H7	30103605	X3	●	49,60
10,50	H7	30103607	X3	●	46,20
10,60	H7	30103609	X3	●	52,70
10,70	H7	30103611	X3	●	52,70
10,80	H7	30103613	X3	●	52,70
10,90	H7	30103615	X3	●	55,10
11,00	H7	30103617	X3	●	49,60
11,10	H7	30103619	X3	●	59,70

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
11,20	H7	30103621	X3	●	59,70
11,30	H7	30103623	X3	●	59,70
11,40	H7	30103625	X3	●	63,10
11,50	H7	30103627	X3	●	57,40
11,60	H7	30103629	X3	●	62,30
11,70	H7	30103631	X3	●	65,40
11,80	H7	30103633	X3	●	62,30
11,90	H7	30103635	X3	●	62,30
12,00	H7	30103637	X3	●	51,00
13,00	H7	30103639	X3	●	57,40
14,00	H7	30103641	X3	●	59,70
15,00	H7	30103643	X3	●	62,30
16,00	H7	30103645	X3	●	63,90
17,00	H7	30103647	X3	●	75,60
18,00	H7	30103649	X3	●	77,30
19,00	H7	30103651	X3	●	90,80
20,00	H7	30103653	X3	●	86,20

Maschinenreibahle I B030513
Machine reamer I B030513

0,95	0,004	30103654	X3	●	29,80
0,96	0,004	30103655	X3	●	29,80
0,97	0,004	30103656	X3	●	29,80
0,98	0,004	30103657	X3	●	29,80
0,99	0,004	30103658	X3	●	29,80
1,00	0,004	30103659	X3	●	29,80
1,01	0,004	30103660	X3	●	29,80
1,02	0,004	30103661	X3	●	29,80
1,03	0,004	30103662	X3	●	29,80
1,04	0,004	30103663	X3	●	29,80
1,05	0,004	30103664	X3	●	29,80
1,06	0,004	30103665	X3	●	29,80
1,07	0,004	30103666	X3	●	29,80
1,08	0,004	30103667	X3	●	29,80
1,09	0,004	30103668	X3	●	29,80
1,10	0,004	30103669	X3	●	29,80
1,11	0,004	30103670	X3	●	29,80
1,12	0,004	30103671	X3	●	29,80
1,13	0,004	30103672	X3	●	29,80
1,14	0,004	30103673	X3	●	29,80
1,15	0,004	30103674	X3	●	29,80
1,16	0,004	30103675	X3	●	29,80
1,17	0,004	30103676	X3	●	29,80
1,18	0,004	30103677	X3	●	29,80
1,19	0,004	30103678	X3	●	29,80
1,20	0,004	30103679	X3	●	29,80
1,21	0,004	30103680	X3	●	29,80
1,22	0,004	30103681	X3	●	29,80
1,23	0,004	30103682	X3	●	29,80
1,24	0,004	30103683	X3	●	29,80
1,25	0,004	30103684	X3	●	29,80
1,26	0,004	30103685	X3	●	29,80
1,27	0,004	30103686	X3	●	29,80
1,28	0,004	30103687	X3	●	29,80
1,29	0,004	30103688	X3	●	29,80
1,30	0,004	30103689	X3	●	29,80
1,31	0,004	30103690	X3	●	29,80
1,32	0,004	30103691	X3	●	29,80
1,33	0,004	30103692	X3	●	29,80
1,34	0,004	30103693	X3	●	29,80
1,35	0,004	30103694	X3	●	29,80
1,36	0,004	30103695	X3	●	29,80
1,37	0,004	30103696	X3	●	29,80
1,38	0,004	30103697	X3	●	29,80
1,39	0,004	30103698	X3	●	29,80
1,40	0,004	30103699	X3	●	27,60
1,41	0,004	30103700	X3	●	27,60
1,42	0,004	30103701	X3	●	27,60
1,43	0,004	30103702	X3	●	27,60
1,44	0,004	30103703	X3	●	27,60
1,45	0,004	30103704	X3	●	27,60
1,46	0,004	30103705	X3	●	27,60
1,47	0,004	30103706	X3	●	27,60
1,48	0,004	30103707	X3	●	27,60
1,49	0,004	30103708	X3	●	27,60
1,50	0,004	30103709	X3	●	26,10
1,51	0,004	30103710	X3	●	26,10
1,52	0,004	30103711	X3	●	26,10
1,53	0,004	30103712	X3	●	26,10
1,54	0,004	30103713	X3	●	26,10
1,55	0,004	30103714	X3	●	26,10
1,56	0,004	30103715	X3	●	26,10
1,57	0,004	30103716	X3	●	26,10
1,58	0,004	30103717	X3	●	26,10
1,59	0,004	30103718	X3	●	26,10
1,60	0,004	30103719	X3	●	26,10
1,61	0,004	30103720	X3	●	26,10
1,62	0,004	30103721	X3	●	26,10
1,63	0,004	30103722	X3	●	26,10
1,64	0,004	30103723	X3	●	26,10
1,65	0,004	30103724	X3	●	26,10
1,66	0,004	30103725	X3	●	26,10
1,67	0,004	30103726	X3	●	26,10
1,68	0,004	30103727	X3	●	26,10
1,69	0,004	30103728	X3	●	26,10
1,70	0,004	30103729	X3	●	26,10
1,71	0,004	30103730	X3	●	26,10
1,72	0,004	30103731	X3	●	26,10
1,73	0,004	30103732	X3	●	26,10
1,74	0,004	30103733	X3	●	26,10
1,75	0,004	30103734	X3	●	26,10
1,76	0,004	30103735	X3	●	26,10
1,77	0,004	30103736	X3	●	26,10
1,78	0,004	30103737	X3	●	26,10
1,79	0,004	30103738	X3	●	26,10
1,80	0,004	30103739	X3	●	26,10
1,81	0,004	30103740	X3	●	26,10
1,82	0,004	30103741	X3	●	26,10
1,83	0,004	30103742	X3	●	26,10
1,84	0,004	30103743	X3	●	26,10
1,85	0,004	30103744	X3	●	26,10
1,86	0,004	30103745	X3	●	26,10
1,87	0,004	30103746	X3	●	26,10
1,88	0,004	30103747	X3	●	26,10
1,89	0,004	30103748	X3	●	26,10
1,90	0,004	30103749	X3	●	26,10

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
1,91	0,004	30103750	X3	●	26,10
1,92	0,004	30103751	X3	●	26,10
1,93	0,004	30103752	X3	●	26,10
1,94	0,004	30103753	X3	●	26,10
1,95	0,004	30103754	X3	●	26,10
1,96	0,004	30103755	X3	●	26,10
1,97	0,004	30103756	X3	●	26,10
1,98	0,004	30103757	X3	●	26,10
1,99	0,004	30103758	X3	●	26,10
2,00	0,004	30103759	X3	●	24,60
2,01	0,004	30103760	X3	●	24,60
2,02	0,004	30103761	X3	●	24,60
2,03	0,004	30103762	X3	●	24,60
2,04	0,004	30103763	X3	●	24,60
2,05	0,004	30103764	X3	●	24,60
2,06	0,004	30103765	X3	●	24,60
2,07	0,004	30103766	X3	●	24,60
2,08	0,004	30103767	X3	●	24,60
2,09	0,004	30103768	X3	●	24,60
2,10	0,004	30103769	X3	●	28,10
2,11	0,004	30103770	X3	●	28,10
2,12	0,004	30103771	X3	●	28,10
2,13	0,004	30103772	X3	●	28,10
2,14	0,004	30103773	X3	●	28,10
2,15	0,004	30103774	X3	●	28,10
2,16	0,004	30103775	X3	●	28,10
2,17	0,004	30103776	X3	●	28,10
2,18	0,004	30103777	X3	●	28,10
2,19	0,004	30103778	X3	●	28,10
2,20	0,004	30103779	X3	●	28,10
2,21	0,004	30103780	X3	●	28,10
2,22	0,004	30103781	X3	●	28,10
2,23	0,004	30103782	X3	●	28,10
2,24	0,004	30103783	X3	●	28,10
2,25	0,004	30103784	X3	●	28,10
2,26	0,004	30103785	X3	●	28,10
2,27	0,004	30103786	X3	●	28,10
2,28	0,004	30103787	X3	●	28,10
2,29	0,004	30103788	X3	●	28,10
2,30	0,004	30103789	X3	●	28,10
2,31	0,004	30103790	X3	●	28,10
2,32	0,004	30103791	X3	●	28,10
2,33	0,004	30103792	X3	●	28,10
2,34	0,004	30103793	X3	●	28,10
2,35	0,004	30103794	X3	●	28,10
2,36	0,004	30103795	X3	●	28,10
2,37	0,004	30103796	X3	●	28,10
2,38	0,004	30103797	X3	●	28,10
2,39	0,004	30103798	X3	●	28,10
2,40	0,004	30103799	X3	●	28,10
2,41	0,004	30103800	X3	●	28,10
2,42	0,004	30103801	X3	●	28,10
2,43	0,004	30103802	X3	●	28,10
2,44	0,004	30103803	X3	●	28,10
2,45	0,004	30103804	X3	●	28,10
2,46	0,004	30103805	X3	●	28,10
2,47	0,004	30103806	X3	●	28,10
2,48	0,004	30103807	X3	●	28,10
2,49	0,004	30103808	X3	●	28,10
2,50	0,004	30103809	X3	●	24,20
2,51	0,004	30103810	X3	●	24,20
2,52	0,004	30103811	X3	●	24,20
2,53	0,004	30103812	X3	●	24,20
2,54	0,004	30103813	X3	●	24,20
2,55	0,004	30103814	X3	●	24,20
2,56	0,004	30103815	X3	●	24,20
2,57	0,004	30103816	X3	●	24,20
2,58	0,004	30103817	X3	●	24,20
2,59	0,004	30103818	X3	●	24,20
2,60	0,004	30103819	X3	●	29,10
2,61	0,004	30103820	X3	●	29,10
2,62	0,004	30103821	X3	●	29,10
2,63	0,004	30103822	X3	●	29,10
2,64	0,004	30103823	X3	●	29,10
2,65	0,004	30103824	X3	●	29,10
2,66	0,004	30103825	X3	●	29,10
2,67	0,004	30103826	X3	●	29,10
2,68	0,004	30103827	X3	●	29,10
2,69	0,004	30103828	X3	●	29,10
2,70	0,004	30103829	X3	●	29,10
2,71	0,004	30103830	X3	●	29,10
2,72	0,004	30103831	X3	●	29,10
2,73	0,004	30103832	X3	●	29,10
2,74	0,004	30103833	X3	●	29,10
2,75	0,004	30103834	X3	●	29,10
2,76	0,004	30103835	X3	●	29,10
2,77	0,004	30103836	X3	●	29,10
2,78	0,004	30103837	X3	●	29,10
2,79	0,004	30103838	X3	●	29,10
2,80	0,004	30103839	X3	●	29,10
2,81	0,004	30103840	X3	●	29,10
2,82	0,004	30103841	X3	●	29,10
2,83	0,004	30103842	X3	●	29,10
2,84	0,004	30103843	X3	●	29,10
2,85	0,004	30103844	X3	●	29,10
2,86	0,004	30103845	X3	●	29,10
2,87	0,004	30103846	X3	●	29,10
2,88	0,004	30103847	X3	●	29,10
2,89	0,004	30103848	X3	●	29,10
2,90	0,004	30103849	X3	●	29,10
2,91	0,004	30103850	X3	●	29,10
2,92	0,004	30103851	X3	●	29,10
2,93	0,004	30103852	X3	●	29,10
2,94	0,004	30103853	X3	●	29,10
2,95	0,004	30103854	X3	●	29,10
2,96	0,004	30103855	X3	●	29,10
2,97	0,004	30103856	X3	●	29,10
2,98	0,004	30103857	X3	●	29,10
2,99	0,004	30103858	X3	●	29,10
3,00	0,004	30103859	X3	●	21,20
3,01	0,004	30103860	X3	●	21,20
3,02	0,004	30103861	X3	●	21,20
3,03	0,004	30103862	X3	●	21,20
3,04	0,004	30103863	X3	●	21,20
3,05	0,004	30103864	X3	●	21,20
3,06	0,004	30103865	X3	●	21,20

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
3,07	0,004	30103866	X3	●	21,20
3,08	0,004	30103867	X3	●	21,20
3,09	0,004	30103868	X3	●	21,20
3,10	0,004	30103869	X3	●	27,60
3,11	0,004	30103870	X3	●	27,60
3,12	0,004	30103871	X3	●	27,60
3,13	0,004	30103872	X3	●	27,60
3,14	0,004	30103873	X3	●	27,60
3,15	0,004	30103874	X3	●	27,60
3,16	0,004	30103875	X3	●	27,60
3,17	0,004	30103876	X3	●	27,60
3,18	0,004	30103877	X3	●	27,60
3,19	0,004	30103878	X3	●	27,60
3,20	0,004	30103879	X3	●	27,60
3,21	0,004	30103880	X3	●	27,60
3,22	0,004	30103881	X3	●	27,60
3,23	0,004	30103882	X3	●	27,60
3,24	0,004	30103883	X3	●	27,60
3,25	0,004	30103884	X3	●	27,60
3,26	0,004	30103885	X3	●	27,60
3,27	0,004	30103886	X3	●	27,60
3,28	0,004	30103887	X3	●	27,60
3,29	0,004	30103888	X3	●	27,60
3,30	0,004	30103889	X3	●	27,60
3,31	0,004	30103890	X3	●	27,60
3,32	0,004	30103891	X3	●	27,60
3,33	0,004	30103892	X3	●	27,60
3,34	0,004	30103893	X3	●	27,60
3,35	0,004	30103894	X3	●	27,60
3,36	0,004	30103895	X3	●	27,60
3,37	0,004	30103896	X3	●	27,60
3,38	0,004	30103897	X3	●	27,60
3,39	0,004	30103898	X3	●	27,60
3,40	0,004	30103899	X3	●	27,60
3,41	0,004	30103900	X3	●	27,60
3,42	0,004	30103901	X3	●	27,60
3,43	0,004	30103902	X3	●	27,60
3,44	0,004	30103903	X3	●	27,60
3,45	0,004	30103904	X3	●	27,60
3,46	0,004	30103905	X3	●	27,60
3,47	0,004	30103906	X3	●	27,60
3,48	0,004	30103907	X3	●	27,60
3,49	0,004	30103908	X3	●	27,60
3,50	0,004	30103909	X3	●	24,20
3,51	0,004	30103910	X3	●	24,20
3,52	0,004	30103911	X3	●	24,20
3,53	0,004	30103912	X3	●	24,20
3,54	0,004	30103913	X3	●	24,20
3,55	0,004	30103914	X3	●	24,20
3,56	0,004	30103915	X3	●	24,20
3,57	0,004	30103916	X3	●	24,20
3,58	0,004	30103917	X3	●	24,20
3,59	0,004	30103918	X3	●	24,20
3,60	0,004	30103919	X3	●	30,20
3,61	0,004	30103920	X3	●	30,20
3,62	0,004	30103921	X3	●	30,20
3,63	0,004	30103922	X3	●	30,20
3,64	0,004	30103923	X3	●	30,20
3,65	0,004	30103924	X3	●	30,20
3,66	0,004	30103925	X3	●	30,20
3,67	0,004	30103926	X3	●	30,20
3,68	0,004	30103927	X3	●	30,20
3,69	0,004	30103928	X3	●	30,20
3,70	0,004	30103929	X3	●	30,20
3,71	0,004	30103930	X3	●	30,20
3,72	0,004	30103931	X3	●	30,20
3,73	0,004	30103932	X3	●	30,20
3,74	0,004	30103933	X3	●	30,20
3,75	0,004	30103934	X3	●	30,20
3,76	0,004	30103936	X3	●	30,20
3,77	0,004	30103938	X3	●	30,20
3,78	0,004	30103940	X3	●	30,20
3,79	0,004	30103942	X3	●	30,20
3,80	0,004	30103944	X3	●	30,20
3,81	0,004	30103946	X3	●	30,20
3,82	0,004	30103948	X3	●	23,70
3,83	0,004	30103950	X3	●	23,70
3,84	0,004	30103952	X3	●	23,70
3,85	0,004	30103954	X3	●	23,70
3,86	0,004	30103956	X3	●	23,70
3,87	0,004	30103958	X3	●	23,70
3,88	0,004	30103960	X3	●	23,70
3,89	0,004	30103962	X3	●	23,70
3,90	0,004	30103964	X3	●	23,70
3,91	0,004	30103966	X3	●	23,70
3,92	0,004	30103968	X3	●	23,70
3,93	0,004	30103970	X3	●	23,70
3,94	0,004	30103972	X3	●	23,70
3,95	0,004	30103974	X3	●	23,70
3,96	0,004	30103976	X3	●	23,70
3,97	0,004	30103978	X3	●	23,70
3,98	0,004	30103980	X3	●	23,70
3,99	0,004	30103982	X3	●	23,70
4,00	0,004	30103984	X3	●	23,70
4,01	0,004	30103986	X3	●	23,70
4,02	0,004	30103988	X3	●	23,70
4,03	0,004	30103990	X3	●	23,70
4,04	0,004	30103992	X3	●	23,70
4,05	0,004	30103994	X3	●	23,70
4,06	0,004	30103996	X3	●	23,70
4,07	0,004	30103998	X3	●	23,70
4,08	0,004	30104000	X3	●	23,70
4,09	0,004	30104002	X3	●	23,70
4,10	0,004	30104004	X3	●	23,70
4,11	0,004	30104006	X3	●	23,70
4,12	0,004	30104008	X3	●	23,70
4,13	0,004	30104010	X3	●	23,70
4,14	0,004	30104012	X3	●	23,70
4,15	0,004	30104014	X3	●	23,70
4,16	0,004	30104016	X3	●	23,70
4,17	0,004	30104018	X3	●	23,70
4,18	0,004	30104020	X3	●	23,70
4,19	0,004	30104022	X3	●	23,70
4,20	0,004	30104024	X3	●	23,70
4,21	0,004	30104026	X3	●	28,70
4,22	0,004	30104028	X3	●	28,70

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
4,23	0,004	30104030	X3	●	28,70
4,24	0,004	30104032	X3	●	28,70
4,25	0,004	30104034	X3	●	28,70
4,26	0,004	30104036	X3	●	28,70
4,27	0,004	30104038	X3	●	28,70
4,28	0,004	30104040	X3	●	28,70
4,29	0,004	30104042	X3	●	28,70
4,30	0,004	30104044	X3	●	28,70
4,31	0,004	30104046	X3	●	28,70
4,32	0,004	30104048	X3	●	28,70
4,33	0,004	30104050	X3	●	28,70
4,34	0,004	30104052	X3	●	28,70
4,35	0,004	30104054	X3	●	28,70
4,36	0,004	30104056	X3	●	28,70
4,37	0,004	30104058	X3	●	28,70
4,38	0,004	30104060	X3	●	28,70
4,39	0,004	30104062	X3	●	28,70
4,40	0,004	30104064	X3	●	28,70
4,41	0,004	30104066	X3	●	28,70
4,42	0,004	30104068	X3	●	28,70
4,43	0,004	30104070	X3	●	28,70
4,44	0,004	30104072	X3	●	28,70
4,45	0,004	30104074	X3	●	28,70
4,46	0,004	30104076	X3	●	28,70
4,47	0,004	30104078	X3	●	28,70
4,48	0,004	30104080	X3	●	28,70
4,49	0,004	30104082	X3	●	28,70
4,50	0,004	30104084	X3	●	28,70
4,51	0,004	30104086	X3	●	28,70
4,52	0,004	30104088	X3	●	28,70
4,53	0,004	30104090	X3	●	28,70
4,54	0,004	30104092	X3	●	28,70
4,55	0,004	30104094	X3	●	28,70
4,56	0,004	30104096	X3	●	28,70
4,57	0,004	30104098	X3	●	28,70
4,58	0,004	30104100	X3	●	28,70
4,59	0,004	30104102	X3	●	28,70
4,60	0,004	30104104	X3	●	28,70
4,61	0,004	30104106	X3	●	28,70
4,62	0,004	30104108	X3	●	28,70
4,63	0,004	30104110	X3	●	28,70
4,64	0,004	30104112	X3	●	28,70
4,65	0,004	30104114	X3	●	28,70
4,66	0,004	30104116	X3	●	28,70
4,67	0,004	30104118	X3	●	28,70
4,68	0,004	30104120	X3	●	28,70
4,69	0,004	30104122	X3	●	28,70
4,70	0,004	30104124	X3	●	28,70
4,71	0,004	30104126	X3	●	28,70
4,72	0,004	30104128	X3	●	28,70
4,73	0,004	30104130	X3	●	28,70
4,74	0,004	30104132	X3	●	28,70
4,75	0,004	30104134	X3	●	28,70
4,76	0,004	30104136	X3	●	25,50
4,77	0,004	30104138	X3	●	25,50
4,78	0,004	30104140	X3	●	25,50
4,79	0,004	30104142	X3	●	25,50
4,80	0,004	30104144	X3	●	25,50

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
4,81	0,004	30104146	X3	●	25,50
4,82	0,004	30104148	X3	●	25,50
4,83	0,004	30104150	X3	●	25,50
4,84	0,004	30104152	X3	●	25,50
4,85	0,004	30104154	X3	●	25,50
4,86	0,004	30104156	X3	●	25,50
4,87	0,004	30104158	X3	●	25,50
4,88	0,004	30104160	X3	●	25,50
4,89	0,004	30104162	X3	●	25,50
4,90	0,004	30104164	X3	●	25,50
4,91	0,004	30104166	X3	●	25,50
4,92	0,004	30104168	X3	●	25,50
4,93	0,004	30104170	X3	●	25,50
4,94	0,004	30104172	X3	●	25,50
4,95	0,004	30104174	X3	●	25,50
4,96	0,004	30104176	X3	●	25,50
4,97	0,004	30104178	X3	●	25,50
4,98	0,004	30104180	X3	●	25,50
4,99	0,004	30104182	X3	●	25,50
5,00	0,004	30104184	X3	●	25,50
5,01	0,004	30104186	X3	●	25,50
5,02	0,004	30104188	X3	●	25,50
5,03	0,004	30104190	X3	●	25,50
5,04	0,004	30104192	X3	●	25,50
5,05	0,004	30104194	X3	●	25,50
5,06	0,004	30104196	X3	●	25,50
5,07	0,004	30104198	X3	●	25,50
5,08	0,004	30104200	X3	●	25,50
5,09	0,004	30104202	X3	●	25,50
5,10	0,004	30104204	X3	●	25,50
5,11	0,004	30104206	X3	●	25,50
5,12	0,004	30104208	X3	●	25,50
5,13	0,004	30104210	X3	●	25,50
5,14	0,004	30104212	X3	●	25,50
5,15	0,004	30104214	X3	●	25,50
5,16	0,004	30104216	X3	●	25,50
5,17	0,004	30104218	X3	●	25,50
5,18	0,004	30104220	X3	●	25,50
5,19	0,004	30104222	X3	●	25,50
5,20	0,004	30104224	X3	●	25,50
5,21	0,004	30104226	X3	●	28,10
5,22	0,004	30104228	X3	●	28,10
5,23	0,004	30104230	X3	●	28,10
5,24	0,004	30104232	X3	●	28,10
5,25	0,004	30104234	X3	●	28,10
5,26	0,004	30104236	X3	●	28,10
5,27	0,004	30104238	X3	●	28,10
5,28	0,004	30104240	X3	●	28,10
5,29	0,004	30104242	X3	●	28,10
5,30	0,004	30104244	X3	●	28,10
5,31	0,004	30104246	X3	●	28,10
5,32	0,004	30104248	X3	●	28,10
5,33	0,004	30104250	X3	●	28,10
5,34	0,004	30104252	X3	●	28,10
5,35	0,004	30104254	X3	●	28,10
5,36	0,004	30104256	X3	●	28,10
5,37	0,004	30104258	X3	●	28,10
5,38	0,004	30104260	X3	●	28,10

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
5,39	0,004	30104262	X3	●	28,10
5,40	0,004	30104264	X3	●	28,10
5,41	0,004	30104266	X3	●	28,10
5,42	0,004	30104268	X3	●	28,10
5,43	0,004	30104270	X3	●	28,10
5,44	0,004	30104272	X3	●	28,10
5,45	0,004	30104274	X3	●	28,10
5,46	0,004	30104276	X3	●	28,10
5,47	0,004	30104278	X3	●	28,10
5,48	0,004	30104280	X3	●	28,10
5,49	0,004	30104282	X3	●	28,10
5,50	0,004	30104284	X3	●	28,10
5,51	0,004	30104286	X3	●	28,10
5,52	0,005	30104288	X3	●	28,10
5,53	0,005	30104290	X3	●	28,10
5,54	0,005	30104292	X3	●	28,10
5,55	0,005	30104294	X3	●	28,10
5,56	0,005	30104296	X3	●	28,10
5,57	0,005	30104298	X3	●	28,10
5,58	0,005	30104300	X3	●	28,10
5,59	0,005	30104302	X3	●	28,10
5,60	0,005	30104304	X3	●	28,10
5,61	0,005	30104306	X3	●	28,10
5,62	0,005	30104308	X3	●	28,10
5,63	0,005	30104310	X3	●	28,10
5,64	0,005	30104312	X3	●	28,10
5,65	0,005	30104314	X3	●	28,10
5,66	0,005	30104316	X3	●	28,10
5,67	0,005	30104318	X3	●	28,10
5,68	0,005	30104320	X3	●	28,10
5,69	0,005	30104322	X3	●	28,10
5,70	0,005	30104324	X3	●	28,10
5,71	0,005	30104326	X3	●	28,10
5,72	0,005	30104328	X3	●	28,10
5,73	0,005	30104330	X3	●	28,10
5,74	0,005	30104332	X3	●	28,10
5,75	0,005	30104334	X3	●	28,10
5,76	0,005	30104336	X3	●	28,10
5,77	0,005	30104338	X3	●	28,10
5,78	0,005	30104340	X3	●	28,10
5,79	0,005	30104342	X3	●	28,10
5,80	0,005	30104344	X3	●	28,10
5,81	0,005	30104346	X3	●	28,10
5,82	0,005	30104348	X3	●	28,10
5,83	0,005	30104350	X3	●	28,10
5,84	0,005	30104352	X3	●	28,10
5,85	0,005	30104354	X3	●	28,10
5,86	0,005	30104356	X3	●	28,10
5,87	0,005	30104358	X3	●	28,10
5,88	0,005	30104360	X3	●	28,10
5,89	0,005	30104362	X3	●	28,10
5,90	0,005	30104364	X3	●	28,10
5,91	0,005	30104366	X3	●	28,10
5,92	0,005	30104368	X3	●	28,10
5,93	0,005	30104370	X3	●	28,10
5,94	0,005	30104372	X3	●	28,10
5,95	0,005	30104374	X3	●	28,10
5,96	0,005	30104376	X3	●	28,10

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
5,97	0,005	30104378	X3	●	28,10
5,98	0,005	30104380	X3	●	28,10
5,99	0,005	30104382	X3	●	28,10
6,00	0,005	30104384	X3	●	28,10
6,01	0,005	30104386	X3	●	28,10
6,02	0,005	30104388	X3	●	28,10
6,03	0,005	30104390	X3	●	28,10
6,04	0,005	30104392	X3	●	28,10
6,05	0,005	30104394	X3	●	28,10
6,06	0,005	30104396	X3	●	28,10
6,07	0,005	30104398	X3	●	28,10
6,08	0,005	30104400	X3	●	28,10
6,09	0,005	30104402	X3	●	28,10
6,10	0,005	30104404	X3	●	28,10
6,11	0,005	30104406	X3	●	28,10
6,12	0,005	30104408	X3	●	30,20
6,13	0,005	30104410	X3	●	30,20
6,14	0,005	30104412	X3	●	30,20
6,15	0,005	30104414	X3	●	30,20
6,16	0,005	30104416	X3	●	30,20
6,17	0,005	30104418	X3	●	30,20
6,18	0,005	30104420	X3	●	30,20
6,19	0,005	30104422	X3	●	30,20
6,20	0,005	30104424	X3	●	30,20
6,21	0,005	30104426	X3	●	30,20
6,22	0,005	30104428	X3	●	30,20
6,23	0,005	30104430	X3	●	30,20
6,24	0,005	30104432	X3	●	30,20
6,25	0,005	30104434	X3	●	30,20
6,26	0,005	30104436	X3	●	30,20
6,27	0,005	30104438	X3	●	30,20
6,28	0,005	30104440	X3	●	30,20
6,29	0,005	30104442	X3	●	30,20
6,30	0,005	30104444	X3	●	30,20
6,31	0,005	30104446	X3	●	30,20
6,32	0,005	30104448	X3	●	30,20
6,33	0,005	30104450	X3	●	30,20
6,34	0,005	30104452	X3	●	30,20
6,35	0,005	30104454	X3	●	30,20
6,36	0,005	30104456	X3	●	30,20
6,37	0,005	30104458	X3	●	30,20
6,38	0,005	30104460	X3	●	30,20
6,39	0,005	30104462	X3	●	30,20
6,40	0,005	30104464	X3	●	30,20
6,41	0,005	30104466	X3	●	30,20
6,42	0,005	30104468	X3	●	30,20
6,43	0,005	30104470	X3	●	30,20
6,44	0,005	30104472	X3	●	30,20
6,45	0,005	30104474	X3	●	30,20
6,46	0,005	30104476	X3	●	30,20
6,47	0,005	30104478	X3	●	30,20
6,48	0,005	30104480	X3	●	30,20
6,49	0,005	30104482	X3	●	30,20
6,50	0,005	30104484	X3	●	30,20
6,51	0,005	30104486	X3	●	30,20
6,52	0,005	30104488	X3	●	30,20
6,53	0,005	30104490	X3	●	30,20
6,54	0,005	30104492	X3	●	30,20

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
6,55	0,005	30104494	X3	●	30,20
6,56	0,005	30104496	X3	●	30,20
6,57	0,005	30104498	X3	●	30,20
6,58	0,005	30104500	X3	●	30,20
6,59	0,005	30104502	X3	●	30,20
6,60	0,005	30104504	X3	●	30,20
6,61	0,005	30104506	X3	●	30,20
6,62	0,005	30104508	X3	●	30,20
6,63	0,005	30104510	X3	●	30,20
6,64	0,005	30104512	X3	●	30,20
6,65	0,005	30104514	X3	●	30,20
6,66	0,005	30104516	X3	●	30,20
6,67	0,005	30104518	X3	●	30,20
6,68	0,005	30104520	X3	●	30,20
6,69	0,005	30104522	X3	●	30,20
6,70	0,005	30104524	X3	●	30,20
6,71	0,005	30104526	X3	●	30,20
6,72	0,005	30104528	X3	●	30,20
6,73	0,005	30104530	X3	●	30,20
6,74	0,005	30104532	X3	●	30,20
6,75	0,005	30104534	X3	●	30,20
6,76	0,005	30104536	X3	●	30,20
6,77	0,005	30104538	X3	●	30,20
6,78	0,005	30104540	X3	●	30,20
6,79	0,005	30104542	X3	●	30,20
6,80	0,005	30104544	X3	●	30,20
6,81	0,005	30104546	X3	●	30,20
6,82	0,005	30104548	X3	●	30,20
6,83	0,005	30104550	X3	●	30,20
6,84	0,005	30104552	X3	●	30,20
6,85	0,005	30104554	X3	●	30,20
6,86	0,005	30104556	X3	●	30,20
6,87	0,005	30104558	X3	●	30,20
6,88	0,005	30104560	X3	●	30,20
6,89	0,005	30104562	X3	●	30,20
6,90	0,005	30104564	X3	●	30,20
6,91	0,005	30104566	X3	●	30,20
6,92	0,005	30104568	X3	●	30,20
6,93	0,005	30104570	X3	●	30,20
6,94	0,005	30104572	X3	●	30,20
6,95	0,005	30104574	X3	●	30,20
6,96	0,005	30104576	X3	●	30,20
6,97	0,005	30104578	X3	●	30,20
6,98	0,005	30104580	X3	●	30,20
6,99	0,005	30104582	X3	●	30,20
7,00	0,005	30104584	X3	●	30,20
7,01	0,005	30104586	X3	●	30,20
7,02	0,005	30104588	X3	●	30,20
7,03	0,005	30104590	X3	●	30,20
7,04	0,005	30104592	X3	●	30,20
7,05	0,005	30104594	X3	●	30,20
7,06	0,005	30104596	X3	●	30,20
7,07	0,005	30104598	X3	●	30,20
7,08	0,005	30104600	X3	●	30,20
7,09	0,005	30104602	X3	●	30,20
7,10	0,005	30104604	X3	●	30,20
7,11	0,005	30104606	X3	●	30,20
7,12	0,005	30104608	X3	●	30,20

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
7,13	0,005	30104610	X3	●	30,20
7,14	0,005	30104612	X3	●	30,20
7,15	0,005	30104614	X3	●	30,20
7,16	0,005	30104616	X3	●	30,20
7,17	0,005	30104618	X3	●	30,20
7,18	0,005	30104620	X3	●	30,20
7,19	0,005	30104622	X3	●	30,20
7,20	0,005	30104624	X3	●	30,20
7,21	0,005	30104626	X3	●	30,20
7,22	0,005	30104628	X3	●	30,20
7,23	0,005	30104630	X3	●	30,20
7,24	0,005	30104632	X3	●	30,20
7,25	0,005	30104634	X3	●	30,20
7,26	0,005	30104636	X3	●	30,20
7,27	0,005	30104638	X3	●	30,20
7,28	0,005	30104640	X3	●	30,20
7,29	0,005	30104642	X3	●	30,20
7,30	0,005	30104644	X3	●	30,20
7,31	0,005	30104646	X3	●	30,20
7,32	0,005	30104648	X3	●	30,20
7,33	0,005	30104650	X3	●	30,20
7,34	0,005	30104652	X3	●	30,20
7,35	0,005	30104654	X3	●	30,20
7,36	0,005	30104656	X3	●	30,20
7,37	0,005	30104658	X3	●	30,20
7,38	0,005	30104660	X3	●	30,20
7,39	0,005	30104662	X3	●	30,20
7,40	0,005	30104664	X3	●	30,20
7,41	0,005	30104666	X3	●	30,20
7,42	0,005	30104668	X3	●	30,20
7,43	0,005	30104670	X3	●	30,20
7,44	0,005	30104672	X3	●	30,20
7,45	0,005	30104674	X3	●	30,20
7,46	0,005	30104676	X3	●	30,20
7,47	0,005	30104678	X3	●	30,20
7,48	0,005	30104680	X3	●	30,20
7,49	0,005	30104682	X3	●	30,20
7,50	0,005	30104684	X3	●	30,20
7,51	0,005	30104686	X3	●	30,20
7,52	0,005	30104688	X3	●	30,20
7,53	0,005	30104690	X3	●	30,20
7,54	0,005	30104692	X3	●	30,20
7,55	0,005	30104694	X3	●	30,20
7,56	0,005	30104696	X3	●	30,20
7,57	0,005	30104698	X3	●	30,20
7,58	0,005	30104700	X3	●	30,20
7,59	0,005	30104702	X3	●	30,20
7,60	0,005	30104704	X3	●	30,20
7,61	0,005	30104706	X3	●	30,20
7,62	0,005	30104708	X3	●	30,20
7,63	0,005	30104710	X3	●	30,20
7,64	0,005	30104712	X3	●	30,20
7,65	0,005	30104714	X3	●	30,20
7,66	0,005	30104716	X3	●	30,20
7,67	0,005	30104718	X3	●	30,20
7,68	0,005	30104720	X3	●	30,20
7,69	0,005	30104722	X3	●	30,20
7,70	0,005	30104724	X3	●	30,20

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
7,71	0,005	30104726	X3	●	30,20
7,72	0,005	30104728	X3	●	30,20
7,73	0,005	30104730	X3	●	30,20
7,74	0,005	30104732	X3	●	30,20
7,75	0,005	30104734	X3	●	30,20
7,76	0,005	30104736	X3	●	30,20
7,77	0,005	30104738	X3	●	30,20
7,78	0,005	30104740	X3	●	30,20
7,79	0,005	30104742	X3	●	30,20
7,80	0,005	30104744	X3	●	30,20
7,81	0,005	30104746	X3	●	30,20
7,82	0,005	30104748	X3	●	30,20
7,83	0,005	30104750	X3	●	30,20
7,84	0,005	30104752	X3	●	30,20
7,85	0,005	30104754	X3	●	30,20
7,86	0,005	30104756	X3	●	30,20
7,87	0,005	30104758	X3	●	30,20
7,88	0,005	30104760	X3	●	30,20
7,89	0,005	30104762	X3	●	30,20
7,90	0,005	30104764	X3	●	30,20
7,91	0,005	30104766	X3	●	30,20
7,92	0,005	30104768	X3	●	30,20
7,93	0,005	30104770	X3	●	30,20
7,94	0,005	30104772	X3	●	30,20
7,95	0,005	30104774	X3	●	30,20
7,96	0,005	30104776	X3	●	30,20
7,97	0,005	30104778	X3	●	30,20
7,98	0,005	30104780	X3	●	30,20
7,99	0,005	30104782	X3	●	30,20
8,00	0,005	30104784	X3	●	30,20
8,01	0,005	30104786	X3	●	30,20
8,02	0,005	30104788	X3	●	30,20
8,03	0,005	30104790	X3	●	30,20
8,04	0,005	30104792	X3	●	30,20
8,05	0,005	30104794	X3	●	30,20
8,06	0,005	30104796	X3	●	30,20
8,07	0,005	30104798	X3	●	30,20
8,08	0,005	30104800	X3	●	30,20
8,09	0,005	30104802	X3	●	30,20
8,10	0,005	30104804	X3	●	30,20
8,11	0,005	30104806	X3	●	30,20
8,12	0,005	30104808	X3	●	30,20
8,13	0,005	30104810	X3	●	30,20
8,14	0,005	30104812	X3	●	30,20
8,15	0,005	30104814	X3	●	30,20
8,16	0,005	30104816	X3	●	30,20
8,17	0,005	30104818	X3	●	30,20
8,18	0,005	30104820	X3	●	30,20
8,19	0,005	30104822	X3	●	30,20
8,20	0,005	30104824	X3	●	30,20
8,21	0,005	30104826	X3	●	39,00
8,22	0,005	30104828	X3	●	39,00
8,23	0,005	30104830	X3	●	39,00
8,24	0,005	30104832	X3	●	39,00
8,25	0,005	30104834	X3	●	39,00
8,26	0,005	30104836	X3	●	39,00
8,27	0,005	30104838	X3	●	39,00
8,28	0,005	30104840	X3	●	39,00

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
8,29	0,005	30104842	X3	●	39,00
8,30	0,005	30104844	X3	●	39,00
8,31	0,005	30104846	X3	●	39,00
8,32	0,005	30104848	X3	●	39,00
8,33	0,005	30104850	X3	●	39,00
8,34	0,005	30104852	X3	●	39,00
8,35	0,005	30104854	X3	●	39,00
8,36	0,005	30104856	X3	●	39,00
8,37	0,005	30104858	X3	●	39,00
8,38	0,005	30104860	X3	●	39,00
8,39	0,005	30104862	X3	●	39,00
8,40	0,005	30104864	X3	●	39,00
8,41	0,005	30104866	X3	●	39,00
8,42	0,005	30104868	X3	●	39,00
8,43	0,005	30104870	X3	●	39,00
8,44	0,005	30104872	X3	●	39,00
8,45	0,005	30104874	X3	●	39,00
8,46	0,005	30104876	X3	●	39,00
8,47	0,005	30104878	X3	●	39,00
8,48	0,005	30104880	X3	●	39,00
8,49	0,005	30104882	X3	●	39,00
8,50	0,005	30104884	X3	●	39,00
8,51	0,005	30104886	X3	●	39,00
8,52	0,005	30104888	X3	●	39,00
8,53	0,005	30104890	X3	●	39,00
8,54	0,005	30104892	X3	●	39,00
8,55	0,005	30104894	X3	●	39,00
8,56	0,005	30104896	X3	●	39,00
8,57	0,005	30104898	X3	●	39,00
8,58	0,005	30104900	X3	●	39,00
8,59	0,005	30104902	X3	●	39,00
8,60	0,005	30104904	X3	●	39,00
8,61	0,005	30104906	X3	●	39,00
8,62	0,005	30104908	X3	●	39,00
8,63	0,005	30104910	X3	●	39,00
8,64	0,005	30104912	X3	●	39,00
8,65	0,005	30104914	X3	●	39,00
8,66	0,005	30104916	X3	●	39,00
8,67	0,005	30104918	X3	●	39,00
8,68	0,005	30104920	X3	●	39,00
8,69	0,005	30104922	X3	●	39,00
8,70	0,005	30104924	X3	●	39,00
8,71	0,005	30104926	X3	●	39,00
8,72	0,005	30104928	X3	●	39,00
8,73	0,005	30104930	X3	●	39,00
8,74	0,005	30104932	X3	●	39,00
8,75	0,005	30104934	X3	●	39,00
8,76	0,005	30104936	X3	●	39,00
8,77	0,005	30104938	X3	●	39,00
8,78	0,005	30104940	X3	●	39,00
8,79	0,005	30104942	X3	●	39,00
8,80	0,005	30104944	X3	●	39,00
8,81	0,005	30104946	X3	●	39,00
8,82	0,005	30104948	X3	●	39,00
8,83	0,005	30104950	X3	●	39,00
8,84	0,005	30104952	X3	●	39,00
8,85	0,005	30104954	X3	●	39,00
8,86	0,005	30104956	X3	●	39,00

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
8,87	0,005	30104958	X3	●	39,00
8,88	0,005	30104960	X3	●	39,00
8,89	0,005	30104962	X3	●	39,00
8,90	0,005	30104964	X3	●	39,00
8,91	0,005	30104966	X3	●	39,00
8,92	0,005	30104968	X3	●	39,00
8,93	0,005	30104970	X3	●	39,00
8,94	0,005	30104972	X3	●	39,00
8,95	0,005	30104974	X3	●	39,00
8,96	0,005	30104976	X3	●	39,00
8,97	0,005	30104978	X3	●	39,00
8,98	0,005	30104980	X3	●	39,00
8,99	0,005	30104982	X3	●	39,00
9,00	0,005	30104984	X3	●	39,00
9,01	0,005	30104986	X3	●	39,00
9,02	0,005	30104988	X3	●	39,00
9,03	0,005	30104990	X3	●	39,00
9,04	0,005	30104992	X3	●	39,00
9,05	0,005	30104994	X3	●	39,00
9,06	0,005	30104996	X3	●	39,00
9,07	0,005	30104998	X3	●	39,00
9,08	0,005	30105000	X3	●	39,00
9,09	0,005	30105002	X3	●	39,00
9,10	0,005	30105004	X3	●	39,00
9,11	0,005	30105006	X3	●	39,00
9,12	0,005	30105008	X3	●	39,00
9,13	0,005	30105010	X3	●	39,00
9,14	0,005	30105012	X3	●	39,00
9,15	0,005	30105014	X3	●	39,00
9,16	0,005	30105016	X3	●	39,00
9,17	0,005	30105018	X3	●	39,00
9,18	0,005	30105020	X3	●	39,00
9,19	0,005	30105022	X3	●	39,00
9,20	0,005	30105024	X3	●	39,00
9,21	0,005	30105026	X3	●	39,00
9,22	0,005	30105028	X3	●	39,00
9,23	0,005	30105030	X3	●	39,00
9,24	0,005	30105032	X3	●	39,00
9,25	0,005	30105034	X3	●	39,00
9,26	0,005	30105036	X3	●	39,00
9,27	0,005	30105038	X3	●	39,00
9,28	0,005	30105040	X3	●	39,00
9,29	0,005	30105042	X3	●	39,00
9,30	0,005	30105044	X3	●	39,00
9,31	0,005	30105046	X3	●	39,00
9,32	0,005	30105048	X3	●	39,00
9,33	0,005	30105050	X3	●	39,00
9,34	0,005	30105052	X3	●	39,00
9,35	0,005	30105054	X3	●	39,00
9,36	0,005	30105056	X3	●	39,00
9,37	0,005	30105058	X3	●	39,00
9,38	0,005	30105060	X3	●	39,00
9,39	0,005	30105062	X3	●	39,00
9,40	0,005	30105064	X3	●	39,00
9,41	0,005	30105066	X3	●	39,00
9,42	0,005	30105068	X3	●	39,00
9,43	0,005	30105070	X3	●	39,00
9,44	0,005	30105072	X3	●	39,00
9,45	0,005	30105074	X3	●	39,00
9,46	0,005	30105076	X3	●	39,00
9,47	0,005	30105078	X3	●	39,00
9,48	0,005	30105090	X3	●	39,00
9,49	0,005	30105092	X3	●	39,00
9,50	0,005	30105094	X3	●	39,00
9,51	0,005	30105096	X3	●	39,00
9,52	0,005	30105098	X3	●	39,00
9,53	0,005	30105100	X3	●	39,00
9,54	0,005	30105102	X3	●	39,00
9,55	0,005	30105104	X3	●	39,00
9,56	0,005	30105106	X3	●	39,00
9,57	0,005	30105108	X3	●	39,00
9,58	0,005	30105110	X3	●	39,00
9,59	0,005	30105112	X3	●	39,00
9,60	0,005	30105114	X3	●	39,00
9,61	0,005	30105116	X3	●	39,00
9,62	0,005	30105118	X3	●	39,00
9,63	0,005	30105120	X3	●	39,00
9,64	0,005	30105122	X3	●	39,00
9,65	0,005	30105124	X3	●	39,00
9,66	0,005	30105126	X3	●	39,00
9,67	0,005	30105128	X3	●	39,00
9,68	0,005	30105130	X3	●	39,00
9,69	0,005	30105132	X3	●	39,00
9,70	0,005	30105134	X3	●	39,00
9,71	0,005	30105136	X3	●	39,00
9,72	0,005	30105138	X3	●	39,00
9,73	0,005	30105140	X3	●	39,00
9,74	0,005	30105142	X3	●	39,00
9,75	0,005	30105144	X3	●	39,00
9,76	0,005	30105146	X3	●	39,00
9,77	0,005	30105148	X3	●	39,00
9,78	0,005	30105150	X3	●	39,00
9,79	0,005	30105152	X3	●	39,00
9,80	0,005	30105154	X3	●	39,00
9,81	0,005	30105156	X3	●	39,00
9,82	0,005	30105158	X3	●	39,00
9,83	0,005	30105160	X3	●	39,00
9,84	0,005	30105162	X3	●	39,00
9,85	0,005	30105164	X3	●	39,00
9,86	0,005	30105166	X3	●	39,00
9,87	0,005	30105168	X3	●	39,00
9,88	0,005	30105170	X3	●	39,00
9,89	0,005	30105172	X3	●	39,00
9,90	0,005	30105174	X3	●	39,00
9,91	0,005	30105176	X3	●	39,00
9,92	0,005	30105178	X3	●	39,00
9,93	0,005	30105180	X3	●	39,00
9,94	0,005	30105182	X3	●	39,00
9,95	0,005	30105184	X3	●	39,00
9,96	0,005	30105186	X3	●	39,00
9,97	0,005	30105188	X3	●	39,00
9,98	0,005	30105190	X3	●	39,00
9,99	0,005	30105192	X3	●	39,00
10,00	0,005	30105194	X3	●	39,00
10,01	0,005	30105196	X3	●	39,00
10,02	0,005	30105198	X3	●	39,00

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
10,03	0,005	30105200	X3	●	39,00
10,04	0,005	30105202	X3	●	39,00
10,05	0,005	30105204	X3	●	39,00
10,06	0,005	30105206	X3	●	39,00
10,07	0,005	30105208	X3	●	39,00
10,08	0,005	30105210	X3	●	39,00
10,09	0,005	30105212	X3	●	39,00
10,10	0,005	30105214	X3	●	39,00
10,11	0,005	30105216	X3	●	39,00
10,12	0,005	30105218	X3	●	39,00
10,13	0,005	30105220	X3	●	39,00
10,14	0,005	30105222	X3	●	39,00
10,15	0,005	30105224	X3	●	39,00
10,16	0,005	30105226	X3	●	39,00
10,17	0,005	30105228	X3	●	39,00
10,18	0,005	30105230	X3	●	39,00
10,19	0,005	30105232	X3	●	39,00
10,20	0,005	30105234	X3	●	39,00
10,21	0,005	30105236	X3	●	48,90
10,22	0,005	30105238	X3	●	48,90
10,23	0,005	30105240	X3	●	48,90
10,24	0,005	30105242	X3	●	48,90
10,25	0,005	30105244	X3	●	48,90
10,26	0,005	30105246	X3	●	48,90
10,27	0,005	30105248	X3	●	48,90
10,28	0,005	30105250	X3	●	48,90
10,29	0,005	30105252	X3	●	48,90
10,30	0,005	30105254	X3	●	48,90
10,31	0,005	30105256	X3	●	48,90
10,32	0,005	30105258	X3	●	48,90
10,33	0,005	30105260	X3	●	48,90
10,34	0,005	30105262	X3	●	48,90
10,35	0,005	30105264	X3	●	48,90
10,36	0,005	30105266	X3	●	48,90
10,37	0,005	30105268	X3	●	48,90
10,38	0,005	30105270	X3	●	48,90
10,39	0,005	30105272	X3	●	48,90
10,40	0,005	30105274	X3	●	48,90
10,41	0,005	30105276	X3	●	48,90
10,42	0,005	30105278	X3	●	48,90
10,43	0,005	30105280	X3	●	48,90
10,44	0,005	30105282	X3	●	48,90
10,45	0,005	30105284	X3	●	48,90
10,46	0,005	30105286	X3	●	48,90
10,47	0,005	30105288	X3	●	48,90
10,48	0,005	30105290	X3	●	48,90
10,49	0,005	30105292	X3	●	48,90
10,50	0,005	30105294	X3	●	48,90
10,51	0,005	30105296	X3	●	48,90
10,52	0,005	30105298	X3	●	48,90
10,53	0,005	30105300	X3	●	48,90
10,54	0,005	30105302	X3	●	48,90
10,55	0,005	30105304	X3	●	48,90
10,56	0,005	30105306	X3	●	48,90
10,57	0,005	30105308	X3	●	48,90
10,58	0,005	30105310	X3	●	48,90
10,59	0,005	30105312	X3	●	48,90
10,60	0,005	30105314	X3	●	48,90

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
10,61	0,005	30105316	X3	●	48,90
10,62	0,005	30105318	X3	●	48,90
10,63	0,005	30105320	X3	●	48,90
10,64	0,005	30105322	X3	●	48,90
10,65	0,005	30105324	X3	●	48,90
10,66	0,005	30105326	X3	●	48,90
10,67	0,005	30105328	X3	●	48,90
10,68	0,005	30105330	X3	●	48,90
10,69	0,005	30105332	X3	●	48,90
10,70	0,005	30105334	X3	●	48,90
10,71	0,005	30105336	X3	●	48,90
10,72	0,005	30105338	X3	●	48,90
10,73	0,005	30105340	X3	●	48,90
10,74	0,005	30105342	X3	●	48,90
10,75	0,005	30105344	X3	●	48,90
10,76	0,005	30105346	X3	●	48,90
10,77	0,005	30105348	X3	●	48,90
10,78	0,005	30105350	X3	●	48,90
10,79	0,005	30105352	X3	●	48,90
10,80	0,005	30105354	X3	●	48,90
10,81	0,005	30105356	X3	●	48,90
10,82	0,005	30105358	X3	●	48,90
10,83	0,005	30105360	X3	●	48,90
10,84	0,005	30105362	X3	●	48,90
10,85	0,005	30105364	X3	●	48,90
10,86	0,005	30105366	X3	●	48,90
10,87	0,005	30105368	X3	●	48,90
10,88	0,005	30105370	X3	●	48,90
10,89	0,005	30105372	X3	●	48,90
10,90	0,005	30105374	X3	●	48,90
10,91	0,005	30105376	X3	●	48,90
10,92	0,005	30105378	X3	●	48,90
10,93	0,005	30105380	X3	●	48,90
10,94	0,005	30105382	X3	●	48,90
10,95	0,005	30105384	X3	●	48,90
10,96	0,005	30105386	X3	●	48,90
10,97	0,005	30105388	X3	●	48,90
10,98	0,005	30105390	X3	●	48,90
10,99	0,005	30105392	X3	●	48,90
11,00	0,005	30105394	X3	●	48,90
11,01	0,005	30105396	X3	●	48,90
11,02	0,005	30105398	X3	●	48,90
11,03	0,005	30105400	X3	●	48,90
11,04	0,005	30105402	X3	●	48,90
11,05	0,005	30105404	X3	●	48,90
11,06	0,005	30105406	X3	●	48,90
11,07	0,005	30105408	X3	●	48,90
11,08	0,005	30105410	X3	●	48,90
11,09	0,005	30105412	X3	●	48,90
11,10	0,005	30105414	X3	●	48,90
11,11	0,005	30105416	X3	●	48,90
11,12	0,005	30105418	X3	●	48,90
11,13	0,005	30105420	X3	●	48,90
11,14	0,005	30105422	X3	●	48,90
11,15	0,005	30105424	X3	●	48,90
11,16	0,005	30105426	X3	●	48,90
11,17	0,005	30105428	X3	●	48,90
11,18	0,005	30105430	X3	●	48,90

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
11,19	0,005	30105432	X3	●	48,90
11,20	0,005	30105434	X3	●	48,90
11,21	0,005	30105436	X3	●	55,10
11,22	0,005	30105438	X3	●	55,10
11,23	0,005	30105440	X3	●	55,10
11,24	0,005	30105442	X3	●	55,10
11,25	0,005	30105444	X3	●	55,10
11,26	0,005	30105446	X3	●	55,10
11,27	0,005	30105448	X3	●	55,10
11,28	0,005	30105450	X3	●	55,10
11,29	0,005	30105452	X3	●	55,10
11,30	0,005	30105454	X3	●	55,10
11,31	0,005	30105456	X3	●	55,10
11,32	0,005	30105458	X3	●	55,10
11,33	0,005	30105460	X3	●	55,10
11,34	0,005	30105462	X3	●	55,10
11,35	0,005	30105464	X3	●	55,10
11,36	0,005	30105466	X3	●	55,10
11,37	0,005	30105468	X3	●	55,10
11,38	0,005	30105470	X3	●	55,10
11,39	0,005	30105472	X3	●	55,10
11,40	0,005	30105474	X3	●	55,10
11,41	0,005	30105476	X3	●	55,10
11,42	0,005	30105478	X3	●	55,10
11,43	0,005	30105480	X3	●	55,10
11,44	0,005	30105482	X3	●	55,10
11,45	0,005	30105484	X3	●	55,10
11,46	0,005	30105486	X3	●	55,10
11,47	0,005	30105488	X3	●	55,10
11,48	0,005	30105490	X3	●	55,10
11,49	0,005	30105492	X3	●	55,10
11,50	0,005	30105494	X3	●	55,10
11,51	0,005	30105496	X3	●	55,10
11,52	0,005	30105498	X3	●	55,10
11,53	0,005	30105500	X3	●	55,10
11,54	0,005	30105502	X3	●	55,10
11,55	0,005	30105504	X3	●	55,10
11,56	0,005	30105506	X3	●	55,10
11,57	0,005	30105508	X3	●	55,10
11,58	0,005	30105510	X3	●	55,10
11,59	0,005	30105512	X3	●	55,10
11,60	0,005	30105514	X3	●	55,10
11,61	0,005	30105516	X3	●	55,10
11,62	0,005	30105518	X3	●	55,10
11,63	0,005	30105520	X3	●	55,10
11,64	0,005	30105522	X3	●	55,10
11,65	0,005	30105524	X3	●	55,10
11,66	0,005	30105526	X3	●	55,10
11,67	0,005	30105528	X3	●	55,10
11,68	0,005	30105530	X3	●	55,10
11,69	0,005	30105532	X3	●	55,10
11,70	0,005	30105534	X3	●	55,10
11,71	0,005	30105536	X3	●	55,10
11,72	0,005	30105538	X3	●	55,10
11,73	0,005	30105540	X3	●	55,10
11,74	0,005	30105542	X3	●	55,10
11,75	0,005	30105544	X3	●	55,10
11,76	0,005	30105546	X3	●	55,10
11,77	0,005	30105548	X3	●	55,10
11,78	0,005	30105550	X3	●	55,10
11,79	0,005	30105552	X3	●	55,10
11,80	0,005	30105554	X3	●	55,10
11,81	0,005	30105556	X3	●	55,10
11,82	0,005	30105558	X3	●	55,10
11,83	0,005	30105560	X3	●	55,10
11,84	0,005	30105562	X3	●	55,10
11,85	0,005	30105564	X3	●	55,10
11,86	0,005	30105566	X3	●	55,10
11,87	0,005	30105568	X3	●	55,10
11,88	0,005	30105570	X3	●	55,10
11,89	0,005	30105572	X3	●	55,10
11,90	0,005	30105574	X3	●	55,10
11,91	0,005	30105576	X3	●	55,10
11,92	0,005	30105578	X3	●	55,10
11,93	0,005	30105580	X3	●	55,10
11,94	0,005	30105582	X3	●	55,10
11,95	0,005	30105584	X3	●	55,10
11,96	0,0 05	30105586	X3	●	55,10
11,97	0,005	30105588	X3	●	55,10
11,98	0,005	30105590	X3	●	55,10
11,99	0,005	30105592	X3	●	55,10
12,00	0,005	30105594	X3	●	55,10
12,01	0,005	30105596	X3	●	55,10
12,02	0,005	30105598	X3	●	55,10
12,03	0,005	30105600	X3	●	55,10
12,04	0,005	30105602	X3	●	55,10
12,05	0,005	30105604	X3	●	55,10

Maschinen-Schälreibahle I B030610
Helical machine reamer I B030610

1,00	H7	30105682	X3	●	32,70
1,10	H7	30310927	X3	○	51,90
1,20	H7	30105683	X3	●	35,80
1,40	H7	30105684	X3	●	31,00
1,50	H7	30105685	X3	●	24,80
1,60	H7	30105686	X3	●	32,70
1,80	H7	30105687	X3	●	29,80
2,00	H7	30105688	X3	●	25,50
2,20	H7	30105689	X3	●	38,30
2,50	H7	30105700	X3	●	27,20
3,00	H7	30105702	X3	●	30,20
3,20	H7	30105703	X3	●	44,60
3,50	H7	30105704	X3	●	35,80
4,00	H7	30105705	X3	●	30,20
4,50	H7	30105707	X3	●	35,80
5,00	H7	30105709	X3	●	33,60
5,50	H7	30105711	X3	●	35,80
6,00	H7	30105713	X3	●	31,00
6,50	H7	30105715	X3	●	39,60
7,00	H7	30105717	X3	●	36,70
7,50	H7	30105719	X3	●	46,20
8,00	H7	30105721	X3	●	35,20
8,50	H7	30105723	X3	●	51,00
9,00	H7	30105725	X3	●	46,20

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
9,50	H7	30105727	X3	●	57,40
10,00	H7	30105729	X3	●	43,90
11,00	H7	30105731	X3	●	56,70
12,00	H7	30105733	X3	●	53,50
13,00	H7	30105735	X3	●	75,60
14,00	H7	30105737	X3	●	71,00
15,00	H7	30105739	X3	●	71,70
16,00	H7	30105741	X3	●	75,60
17,00	H7	30105743	X3	●	111,70
18,00	H7	30105745	X3	●	102,20
19,00	H7	30105747	X3	●	124,40
20,00	H7	30105749	X3	●	111,70

Automatenreibahle I B030716
Automatic lathe reamer I B030716

4,00	H7	30105762	X3	○	36,00
4,50	H7	30105764	X3	○	39,40
5,00	H7	30105766	X3	○	39,40
5,50	H7	30105768	X3	○	42,80
6,00	H7	30105770	X3	○	42,80
6,50	H7	30105772	X3	○	44,90
7,00	H7	30105774	X3	○	44,90
7,50	H7	30105776	X3	○	50,30
8,00	H7	30105778	X3	○	50,30
8,50	H7	30105780	X3	○	53,70
9,00	H7	30105782	X3	○	53,70
9,50	H7	30105784	X3	○	57,40
10,00	H7	30105786	X3	○	57,40
10,50	H7	30105788	X3	○	67,10
11,00	H7	30105790	X3	○	71,70
11,50	H7	30105792	X3	○	82,20
12,00	H7	30105794	X3	○	82,20
13,00	H7	30105796	X3	○	82,20
14,00	H7	30105798	X3	○	83,20
15,00	H7	30105800	X3	○	85,60
16,00	H7	30105802	X3	○	90,10
17,00	H7	30105804	X3	○	103,10
18,00	H7	30105806	X3	○	107,10
19,00	H7	30105808	X3	○	122,40
20,00	H7	30105810	X3	○	122,40

Maschinenreibahle WN 141 I B030810
Machine reamer WN 141 I B030810

2,50	H7	30107503	X3	●	52,70
3,00	H7	30107504	X3	●	42,40
3,50	H7	30107505	X3	●	43,10
4,00	H7	30107506	X3	●	43,10
4,50	H7	30107508	X3	●	46,20
5,00	H7	30107510	X3	●	43,90
5,50	H7	30312212	X3	○	68,50
6,00	H7	30107512	X3	●	45,40
6,50	H7	30312214	X3	○	76,70
7,00	H7	30107514	X3	●	58,90
7,50	H7	30312215	X3	○	76,70
8,00	H7	30107516	X3	●	57,40
8,50	H7	30312216	X3	○	87,50
9,00	H7	30107518	X3	●	67,80
9,50	H7	30312232	X3	○	87,50
10,00	H7	30107520	X3	●	63,10
11,00	H7	30107522	X3	●	79,90
12,00	H7	30107524	X3	●	78,10

Maschinenreibahle WN 142 I B030811
Machine reamer WN 142 I B030811

3,00	H7	30107526	X3	○	90,80
3,50	H7	30107527	X3	●	105,20
4,00	H7	30107528	X3	○	98,80
4,50	H7	30107530	X3	●	116,50
5,00	H7	30107532	X3	○	78,10
5,50	H7	30316948	X3	○	102,00
6,00	H7	30107534	X3	○	87,90
6,50	H7	30316951	X3	○	111,10
7,00	H7	30107536	X3	○	95,70
7,50	H7	30316954	X3	○	111,10
8,00	H7	30107538	X3	●	86,20
8,50	H7	30316955	X3	○	122,10
9,00	H7	30107540	X3	○	105,20
9,50	H7	30316957	X3	○	122,10
10,00	H7	30107542	X3	●	92,60
10,50	H7	30316958	X3	○	122,10
11,00	H7	30107544	X3	○	92,60
11,50	H7	30316959	X3	○	122,10
12,00	H7	30107546	X3	●	89,20
13,00	H7	30107548	X3	○	100,60
14,00	H7	30107550	X3	○	100,60
15,00	H7	30107552	X3	○	116,50
16,00	H7	30107554	X3	●	124,40
17,00	H7	30107556	X3	○	141,80
18,00	H7	30107558	X3	●	140,40
19,00	H7	30107560	X3	○	150,10
20,00	H7	30107562	X3	○	145,10
21,00	H7	30107564	X3	○	188,10
22,00	H7	30107566	X3	○	177,00
24,00	H7	30107568	X3	○	223,40
25,00	H7	30107570	X3	○	212,20
26,00	H7	30107572	X3	○	240,80
27,00	H7	30330852	X3	○	296,30
28,00	H7	30107574	X3	○	260,00
29,00	H7	30137427	X3	○	309,20
30,00	H7	30107576	X3	○	271,20
31,00	H7	30107578	X3	○	523,20
32,00	H7	30107579	X3	○	349,30

Maschinenreibahle I B033511
Machine reamer I B033511

4,00	H7	30107951	X3	●	46,20
5,00	H7	30107953	X3	●	44,60
6,00	H7	30107956	X3	●	48,00
7,00	H7	30107958	X3	●	57,40
8,00	H7	30107960	X3	●	59,70
9,00	H7	30107962	X3	●	69,50
10,00	H7	30107964	X3	●	70,20
11,00	H7	30107966	X3	●	98,80
12,00	H7	30107968	X3	●	102,20

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
13,00	H7	30107970	X3	●	114,90
14,00	H7	30107972	X3	●	118,00
15,00	H7	30107974	X3	●	123,10
16,00	H7	30107976	X3	●	127,40
17,00	H7	30107978	X3	○	151,60
18,00	H7	30107980	X3	○	154,80
19,00	H7	30107982	X3	○	180,20
20,00	H7	30107984	X3	○	173,80

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €

Maschinenreibahlen aus HSS-E, ohne Innenkühlung, konfigurierbare Baureihen
Machine reamers made of HSS-E, without internal coolant supply, configurable series

Maschinenreibahle I B030110
Machine reamer I B030110

4,751 - 5,300	X3	○	73,80
5,301 - 6,050	X3	○	73,80
6,051 - 6,700	X3	○	73,80
6,701 - 7,500	X3	○	73,80
7,501 - 8,500	X3	○	73,80
8,501 - 9,500	X3	○	84,70
9,501 - 10,600	X3	○	84,70
10,601 - 11,800	X3	○	84,70
11,801 - 12,200	X3	○	84,70
12,201 - 13,200	X3	○	84,70
13,201 - 14,100	X3	○	84,70
14,101 - 15,100	X3	○	88,90
15,101 - 16,100	X3	○	89,90
16,101 - 17,100	X3	○	95,10
17,101 - 18,100	X3	○	98,20
18,101 - 19,100	X3	○	104,00
19,101 - 20,100	X3	○	104,00
20,101 - 21,200	X3	○	115,90
21,201 - 22,400	X3	○	115,90
22,401 - 23,600	X3	○	133,10
23,601 - 25,100	X3	○	140,80
25,101 - 26,500	X3	○	151,10
26,501 - 28,100	X3	○	166,50
28,101 - 30,100	X3	○	172,20
30,101 - 31,500	X3	○	212,70
31,501 - 33,500	X3	○	239,90

Maschinenreibahle I B030111
Machine reamer I B030111

2,810 - 3,000	X3	○	73,80
3,001 - 3,350	X3	○	73,80
3,351 - 3,750	X3	○	73,80
3,751 - 4,250	X3	○	73,80
4,251 - 4,750	X3	○	73,80
4,751 - 5,300	X3	○	73,80
5,301 - 6,050	X3	○	73,80
6,051 - 6,700	X3	○	73,80
6,701 - 7,500	X3	○	73,80
7,501 - 8,500	X3	○	73,80
8,501 - 9,500	X3	○	84,70
9,501 - 10,600	X3	○	84,70
10,601 - 11,800	X3	○	84,70
11,801 - 12,200	X3	○	84,70
12,201 - 13,200	X3	○	84,70
13,201 - 14,100	X3	○	84,70
14,101 - 15,100	X3	○	88,90
15,101 - 16,100	X3	○	89,90
16,101 - 17,100	X3	○	95,10
17,101 - 18,100	X3	○	98,20
18,101 - 19,100	X3	○	104,00
19,101 - 20,100	X3	○	104,00
20,101 - 21,200	X3	○	115,90
21,201 - 22,400	X3	○	115,90

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
22,401 - 23,600	X3	○	133,10
23,601 - 25,100	X3	○	140,80
25,101 - 26,500	X3	○	151,10
26,501 - 28,100	X3	○	166,50
28,101 - 30,100	X3	○	172,20
30,101 - 31,500	X3	○	212,70
31,501 - 33,500	X3	○	239,90
33,501 - 35,500	X3	○	239,90
35,501 - 37,500	X3	○	280,30
37,501 - 40,100	X3	○	282,20
40,101 - 42,500	X3	○	305,00
42,501 - 45,100	X3	○	362,20
45,101 - 47,500	X3	○	444,80
47,501 - 50,100	X3	○	447,80

Maschinen-Schälreibahle I B030310
Helical machine reamer I B030310

4,751 - 5,300	X3	○	86,30
5,301 - 6,050	X3	○	86,30
6,051 - 6,700	X3	○	91,40
6,701 - 7,500	X3	○	91,40
7,501 - 8,500	X3	○	91,40
8,501 - 9,500	X3	○	104,00
9,501 - 10,600	X3	○	91,40
10,601 - 11,800	X3	○	91,40
11,801 - 12,200	X3	○	91,40
12,201 - 13,200	X3	○	91,40
13,201 - 14,100	X3	○	91,40
14,101 - 15,100	X3	○	95,10
15,101 - 16,100	X3	○	95,10
16,101 - 17,100	X3	○	103,10
17,101 - 18,100	X3	○	103,10
18,101 - 19,100	X3	○	117,00
19,101 - 20,100	X3	○	117,00
20,101 - 21,200	X3	○	128,10
21,201 - 22,400	X3	○	128,10
22,401 - 23,600	X3	○	150,70
23,601 - 25,100	X3	○	150,70
25,101 - 26,500	X3	○	160,00
26,501 - 28,100	X3	○	176,90
28,101 - 30,100	X3	○	186,50
30,101 - 31,500	X3	○	241,90
31,501 - 32,200	X3	○	287,60

NC-Maschinenreibahle I B030505
NC machine reamer I B030505

0,950 - 1,060	X3	○	30,10
1,061 - 1,180	X3	○	30,10
1,181 - 1,320	X3	○	30,10
1,321 - 1,410	X3	○	30,10
1,411 - 1,500	X3	○	30,10
1,501 - 1,700	X3	○	33,80
1,701 - 1,900	X3	○	33,80
1,901 - 2,120	X3	○	35,10
2,121 - 2,360	X3	○	35,10
2,361 - 2,650	X3	○	35,10
2,651 - 3,030	X3	○	35,10
3,031 - 3,350	X3	○	35,10

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
3,351 - 3,750	X3	○	35,10
3,751 - 4,250	X3	○	35,10
4,251 - 4,750	X3	○	35,10
4,751 - 5,300	X3	○	35,10
5,301 - 5,600	X3	○	36,40
5,601 - 6,030	X3	○	36,40
6,031 - 6,700	X3	○	38,10
6,701 - 7,200	X3	○	38,10
7,201 - 7,500	X3	○	41,80
7,501 - 8,200	X3	○	41,80
8,201 - 8,500	X3	○	46,00
8,501 - 9,200	X3	○	46,00
9,201 - 9,500	X3	○	47,70
9,501 - 10,200	X3	○	47,70
10,201 - 10,600	X3	○	57,30
10,601 - 11,200	X3	○	57,30
11,201 - 11,800	X3	○	60,00
11,801 - 12,200	X3	○	60,00
12,201 - 13,200	X3	○	64,30
13,201 - 14,000	X3	○	66,90
14,001 - 15,000	X3	○	68,00
15,001 - 16,000	X3	○	70,50
16,001 - 17,000	X3	○	81,40
17,001 - 18,000	X3	○	83,50
18,001 - 19,000	X3	○	94,90
19,001 - 20,000	X3	○	94,90

Maschinenreibahle I B030510
Machine reamer I B030510

0,950 - 1,060	X3	○	46,90
1,061 - 1,180	X3	○	45,40
1,181 - 1,320	X3	○	44,90
1,321 - 1,410	X3	○	39,40
1,411 - 1,500	X3	○	39,40
1,501 - 1,700	X3	○	38,60
1,701 - 1,900	X3	○	42,00
1,901 - 2,120	X3	○	43,60
2,121 - 2,360	X3	○	43,60
2,361 - 2,650	X3	○	43,60
2,651 - 3,030	X3	○	43,60
3,031 - 3,350	X3	○	43,60
3,351 - 3,750	X3	○	43,60
3,751 - 4,250	X3	○	43,60
4,251 - 4,750	X3	○	43,60
4,751 - 5,300	X3	○	43,60
5,301 - 5,600	X3	○	46,30
5,601 - 6,030	X3	○	46,30
6,031 - 6,700	X3	○	48,30
6,701 - 7,200	X3	○	48,30
7,201 - 7,500	X3	○	55,60
7,501 - 8,200	X3	○	55,60
8,201 - 8,500	X3	○	59,80
8,501 - 9,200	X3	○	59,80
9,201 - 9,500	X3	○	62,40
9,501 - 10,200	X3	○	62,40
10,201 - 10,600	X3	○	71,30
10,601 - 11,200	X3	○	72,60
11,201 - 11,800	X3	○	84,70

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
11,801 - 12,200	X3	○	84,70
12,201 - 13,200	X3	○	84,70
13,201 - 14,000	X3	○	84,70
14,001 - 15,000	X3	○	86,90
15,001 - 16,000	X3	○	93,50
16,001 - 17,000	X3	○	107,40
17,001 - 18,000	X3	○	109,70
18,001 - 19,000	X3	○	128,30
19,001 - 20,000	X3	○	128,30

Maschinenreibahle I B030511
Machine reamer I B030511

0,950 - 1,060	X3	○	45,30
1,061 - 1,180	X3	○	47,40
1,181 - 1,320	X3	○	43,60
1,321 - 1,410	X3	○	41,20
1,411 - 1,500	X3	○	37,10
1,501 - 1,700	X3	○	41,90
1,701 - 1,900	X3	○	41,90
1,901 - 2,120	X3	○	42,60
2,121 - 2,360	X3	○	42,60
2,361 - 2,650	X3	○	42,60
2,651 - 3,030	X3	○	42,60
3,031 - 3,350	X3	○	42,60
3,351 - 3,750	X3	○	42,60
3,751 - 4,250	X3	○	42,60
4,251 - 4,750	X3	○	42,60
4,751 - 5,300	X3	○	42,60
5,301 - 5,600	X3	○	43,80
5,601 - 6,030	X3	○	43,80
6,031 - 6,700	X3	○	45,30
6,701 - 7,200	X3	○	45,30
7,201 - 7,500	X3	○	49,70
7,501 - 8,200	X3	○	49,70
8,201 - 8,500	X3	○	55,20
8,501 - 9,200	X3	○	55,20
9,201 - 9,500	X3	○	56,40
9,501 - 10,200	X3	○	56,40
10,201 - 10,600	X3	○	65,50
10,601 - 11,200	X3	○	70,40
11,201 - 11,800	X3	○	79,40
11,801 - 12,200	X3	○	79,40
12,201 - 13,200	X3	○	79,40
13,201 - 14,000	X3	○	82,40
14,001 - 15,000	X3	○	86,00
15,001 - 16,000	X3	○	88,10
16,001 - 17,000	X3	○	100,00
17,001 - 18,000	X3	○	104,40
18,001 - 19,000	X3	○	119,90
19,001 - 20,000	X3	○	119,90

Maschinen-Schälreibahle I B030610
Helical machine reamer I B030610

0,950 - 1,060	X3	○	47,50
1,061 - 1,180	X3	○	51,90
1,181 - 1,320	X3	○	51,90
1,321 - 1,410	X3	○	44,90
1,411 - 1,500	X3	○	44,90

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
1,501 - 1,700	X3	○	47,50
1,701 - 1,900	X3	○	47,50
1,901 - 2,120	X3	○	47,50
2,121 - 2,360	X3	○	53,60
2,361 - 2,650	X3	○	53,60
2,651 - 3,030	X3	○	53,60
3,031 - 3,350	X3	○	60,20
3,351 - 3,750	X3	○	60,20
3,751 - 4,250	X3	○	60,20
4,251 - 4,750	X3	○	51,90
4,751 - 5,300	X3	○	51,90
5,301 - 5,600	X3	○	51,90
5,601 - 6,030	X3	○	51,90
6,031 - 6,700	X3	○	57,70
6,701 - 7,200	X3	○	57,70
7,201 - 7,500	X3	○	67,20
7,501 - 8,200	X3	○	67,20
8,201 - 8,500	X3	○	74,10
8,501 - 9,200	X3	○	74,10
9,201 - 9,500	X3	○	83,20
9,501 - 10,200	X3	○	83,20
10,201 - 11,200	X3	○	83,20
11,201 - 12,200	X3	○	83,20
12,201 - 13,200	X3	○	102,30
13,201 - 14,000	X3	○	102,30
14,001 - 15,000	X3	○	102,30
15,001 - 16,000	X3	○	102,30
16,001 - 17,000	X3	○	141,80
17,001 - 18,000	X3	○	141,80
18,001 - 19,000	X3	○	157,90
19,001 - 20,000	X3	○	157,90

Automatenreibahle I B030716
Automatic lathe reamer I B030716

3,750 - 4,250	X3	○	36,00
4,251 - 4,700	X3	○	39,40
4,701 - 5,300	X3	○	39,40
5,301 - 5,600	X3	○	42,80
5,601 - 6,100	X3	○	42,80
6,101 - 6,700	X3	○	44,90
6,701 - 7,200	X3	○	44,90
7,201 - 7,500	X3	○	50,30
7,501 - 8,200	X3	○	50,30
8,201 - 8,700	X3	○	53,70
8,701 - 9,200	X3	○	53,70
9,201 - 9,700	X3	○	57,40
9,701 - 10,200	X3	○	57,40
10,201 - 10,600	X3	○	67,10
10,601 - 11,200	X3	○	71,70
11,201 - 11,700	X3	○	82,20
11,701 - 12,200	X3	○	82,20
12,201 - 13,200	X3	○	82,20
13,201 - 14,200	X3	○	83,20
14,201 - 15,200	X3	○	85,60
15,201 - 16,200	X3	○	90,10
16,201 - 17,200	X3	○	103,10
17,201 - 18,200	X3	○	107,10
18,201 - 19,200	X3	○	122,40

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
19,201 - 20,200	X3	○	122,40

Maschinenreibahle WN 141 I B030810
Machine reamer WN 141 I B030810

2,200 - 2,690	X3	○	68,50
2,691 - 3,100	X3	○	68,50
3,101 - 3,650	X3	○	68,50
3,651 - 4,200	X3	○	68,50
4,201 - 4,700	X3	○	68,50
4,701 - 5,200	X3	○	68,50
5,201 - 5,700	X3	○	68,50
5,701 - 6,110	X3	○	68,50
6,111 - 6,700	X3	○	76,70
6,701 - 7,200	X3	○	76,70
7,201 - 7,630	X3	○	76,70
7,631 - 8,200	X3	○	76,70
8,201 - 8,630	X3	○	87,50
8,631 - 9,200	X3	○	87,50
9,201 - 9,630	X3	○	87,50
9,631 - 10,200	X3	○	87,50
10,201 - 11,200	X3	○	100,70
11,201 - 12,220	X3	○	100,70

Maschinenreibahle WN 142 I B030811
Machine reamer WN 142 I B030811

2,690 - 3,100	X3	○	122,10
3,101 - 3,650	X3	○	122,10
3,651 - 4,200	X3	○	122,10
4,201 - 4,700	X3	○	122,10
4,701 - 5,200	X3	○	102,00
5,201 - 5,700	X3	○	102,00
5,701 - 6,110	X3	○	102,00
6,111 - 6,700	X3	○	111,10
6,701 - 7,200	X3	○	111,10
7,201 - 7,630	X3	○	111,10
7,631 - 8,200	X3	○	111,10
8,201 - 8,630	X3	○	122,10
8,631 - 9,200	X3	○	122,10
9,201 - 9,630	X3	○	122,10
9,631 - 10,200	X3	○	122,10
10,201 - 10,690	X3	○	122,10
10,691 - 11,200	X3	○	122,10
11,201 - 11,800	X3	○	122,10
11,801 - 12,200	X3	○	122,10
12,201 - 13,200	X3	○	122,10
13,201 - 14,140	X3	○	122,10
14,141 - 15,140	X3	○	135,00
15,141 - 16,140	X3	○	144,40
16,141 - 17,140	X3	○	164,60
17,141 - 18,140	X3	○	164,60
18,141 - 19,160	X3	○	174,20
19,161 - 20,160	X3	○	174,20
20,161 - 21,200	X3	○	216,20
21,201 - 22,200	X3	○	216,20
22,201 - 24,200	X3	○	254,30
24,201 - 25,160	X3	○	254,30
25,161 - 26,200	X3	○	274,70
26,201 - 27,200	X3	○	296,30

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
27,201 - 28,160	X3	○	296,30
28,161 - 29,200	X3	○	309,20
29,201 - 30,160	X3	○	309,20
30,161 - 31,200	X3	○	394,50
31,201 - 32,200	X3	○	394,50

Maschinen-Schälreibahle I B033111
Helical machine reamer I B033111

9,501 - 10,600	X3	○	119,50
10,601 - 11,800	X3	○	132,90
11,801 - 12,200	X3	○	130,90
12,201 - 13,200	X3	○	136,80
13,201 - 14,100	X3	○	138,50
14,101 - 15,100	X3	○	165,90
15,101 - 16,100	X3	○	169,70
16,101 - 17,100	X3	○	190,30
17,101 - 18,100	X3	○	188,40
18,101 - 19,100	X3	○	209,10
19,101 - 20,100	X3	○	209,10

Maschinenreibahle I B033511
Machine reamer I B033511

3,751 - 4,250	X3	○	62,50
4,251 - 4,750	X3	○	62,50
4,751 - 5,300	X3	○	62,50
5,301 - 5,600	X3	○	64,60
5,601 - 6,030	X3	○	64,60
6,031 - 6,700	X3	○	74,60
6,701 - 7,200	X3	○	74,60
7,201 - 7,500	X3	○	77,60
7,501 - 8,200	X3	○	77,60
8,201 - 8,500	X3	○	88,30
8,501 - 9,200	X3	○	88,30
9,201 - 9,500	X3	○	89,00
9,501 - 10,200	X3	○	89,00
10,201 - 10,600	X3	○	98,20
10,601 - 11,200	X3	○	122,50
11,201 - 11,800	X3	○	126,50
11,801 - 12,200	X3	○	126,50
12,201 - 13,200	X3	○	140,10
13,201 - 14,000	X3	○	143,90
14,001 - 15,000	X3	○	150,10
15,001 - 16,000	X3	○	155,70
16,001 - 17,000	X3	○	182,00
17,001 - 18,000	X3	○	185,10
18,001 - 19,000	X3	○	210,40
19,001 - 20,000	X3	○	204,20

Handreibahlen mit Zylinderschaft und Vierkant, Vorzugsbaureihen
Hand reamers with cylindrical shank and square end, preferred series

Handreibahle DIN 206 I B010010
Hand reamer DIN 206 I B010010

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
1,00	H7	10070710	X1	○	37,50
1,10	H7	10070711	X1	●	43,70
1,30	H7	10070713	X1	●	43,70
1,50	H7	10070715	X1	○	28,80
1,60	H7	10070716	X1	○	43,70
1,80	H7	10070718	X1	●	43,70
2,00	H7	30101631	X1	●	25,10
2,20	H7	30101633	X1	○	43,70
2,50	H7	30101636	X1	○	25,10
2,80	H7	30101639	X1	●	43,70
3,00	H7	30101651	X1	○	24,50
3,20	H7	30101653	X1	●	43,70
3,50	H7	30101655	X1	○	28,80
4,00	H7	30101663	X1	○	27,00
4,50	H7	30101673	X1	●	30,20
5,00	H7	30101683	X1	○	28,30
5,50	H7	30101693	X1	○	31,40
6,00	H7	30101703	X1	●	24,80
6,50	H7	30101711	X1	○	31,40
7,00	H7	30101721	X1	○	27,50
7,50	H7	30101731	X1	○	34,50
8,00	H7	30101741	X1	○	28,30
8,50	H7	30101751	X1	●	35,80
9,00	H7	30101759	X1	○	33,60
9,50	H7	30101767	X1	○	35,80
10,00	H7	30101777	X1	○	32,70
10,50	H7	30101783	X1	○	45,40
11,00	H7	30101793	X1	○	38,30
11,50	H7	30101803	X1	●	49,60
12,00	H7	30101813	X1	○	35,80
12,50	H7	30101815	X1	○	56,70
13,00	H7	30101817	X1	○	53,50
13,50	H7	30101819	X1	●	67,00
14,00	H7	30101821	X1	○	58,20
14,50	H7	30101823	X1	●	65,40
15,00	H7	30101825	X1	○	62,30
15,50	H7	30101827	X1	○	90,80
16,00	H7	30101829	X1	○	63,90
16,50	H7	30101831	X1	○	84,50
17,00	H7	30101833	X1	○	71,70
17,50	H7	30101835	X1	○	103,70
18,00	H7	30101837	X1	○	74,20
18,50	H7	30101839	X1	○	103,70
19,00	H7	30101841	X1	○	81,50
19,50	H7	30101843	X1	○	150,10
20,00	H7	30101845	X1	○	79,90
21,00	H7	30101847	X1	○	113,10
22,00	H7	30101849	X1	○	100,60
23,00	H7	30101851	X1	○	119,50
24,00	H7	30101853	X1	○	111,70
25,00	H7	30101855	X1	○	113,10
26,00	H7	30101857	X1	○	127,40
27,00	H7	30101859	X1	○	196,00
28,00	H7	30101861	X1	○	156,30
29,00	H7	30101863	X1	○	248,90
30,00	H7	30101865	X1	○	156,30
31,00	H7	30101867	X1	○	229,70
32,00	H7	30101869	X1	○	180,20
33,00	H7	30101871	X1	○	221,70
34,00	H7	30101873	X1	●	221,70
35,00	H7	30101875	X1	○	220,10
36,00	H7	30101877	X1	○	229,70
37,00	H7	30101879	X1	○	291,80
38,00	H7	30101881	X1	●	310,90
39,00	H7	30101883	X1	○	384,30
40,00	H7	30101885	X1	○	296,50
45,00	H7	30101890	X1	○	421,00
50,00	H7	30101899	X1	○	500,80
60,00	H7	30101901	X1	○	813,20

Handreibahle DIN 206 I B010011
Hand reamer DIN 206 I B010011

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
1,00	H7	10070720	X1	●	33,60
1,10	H7	10070721	X1	○	42,40
1,20	H7	30611590	X1	○	42,40
1,30	H7	10070722	X1	○	42,40
1,40	H7	10070723	X1	○	42,40
1,50	H7	10070724	X1	●	27,00
1,60	H7	10070725	X1	○	38,80
1,80	H7	10070726	X1	●	38,80
2,00	H7	30101902	X1	●	24,50
2,20	H7	30101904	X1	○	44,40
2,50	H7	30101905	X1	●	23,20
2,80	H7	30101908	X1	●	44,40
3,00	H7	30101909	X1	●	24,20
3,20	H7	30345568	X1	○	44,40
3,50	H7	30101911	X1	●	28,80
4,00	H7	30101918	X1	●	20,70
4,50	H7	30101926	X1	●	24,80
5,00	H7	30101932	X1	●	24,20
5,50	H7	30101936	X1	●	27,00
6,00	H7	30101942	X1	●	23,50
6,50	H7	30101944	X1	●	27,00
7,00	H7	30101950	X1	●	25,10
7,50	H7	30101958	X1	●	28,30
8,00	H7	30101966	X1	●	27,50
8,50	H7	30101970	X1	●	29,50
9,00	H7	30101980	X1	●	30,70
9,50	H7	30101990	X1	●	31,90
10,00	H7	30101996	X1	●	30,70
10,50	H7	30101998	X1	●	35,20
11,00	H7	30102008	X1	●	33,60
11,50	H7	30102018	X1	○	40,80
12,00	H7	30102024	X1	●	35,20
12,50	H7	30102026	X1	●	54,10
13,00	H7	30102028	X1	●	54,10
13,50	H7	30102030	X1	●	63,10
14,00	H7	30102032	X1	●	58,20
14,50	H7	30102034	X1	○	67,00
15,00	H7	30102036	X1	●	61,50
15,50	H7	30102038	X1	○	89,20

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
16,00	H7	30102040	X1	○	63,90
16,50	H7	30102042	X1	○	74,20
17,00	H7	30102044	X1	●	67,00
17,50	H7	30102046	X1	○	90,80
18,00	H7	30102048	X1	●	74,20
18,50	H7	30102050	X1	○	98,80
19,00	H7	30102052	X1	●	79,90
19,50	H7	30102054	X1	○	100,60
20,00	H7	30102056	X1	●	78,10
21,00	H7	30102058	X1	●	94,10
22,00	H7	30102060	X1	●	90,80
23,00	H7	30102062	X1	●	105,20
24,00	H7	30102064	X1	●	105,20
25,00	H7	30102066	X1	●	108,60
26,00	H7	30102068	X1	●	114,90
27,00	H7	30102070	X1	○	153,10
28,00	H7	30102072	X1	●	146,70
29,00	H7	30102074	X1	○	178,50
30,00	H7	30102076	X1	●	154,80
31,00	H7	30102078	X1	○	189,80
32,00	H7	30102080	X1	●	170,70
33,00	H7	30102082	X1	○	216,80
34,00	H7	30102084	X1	○	207,30
35,00	H7	30102086	X1	●	207,30
36,00	H7	30102088	X1	●	228,20
37,00	H7	30102090	X1	○	331,70
38,00	H7	30102092	X1	○	264,70
39,00	H7	30102094	X1	○	414,70
40,00	H7	30102096	X1	●	275,80
45,00	H7	30102100	X1	○	421,00
50,00	H7	30102103	X1	○	492,60
60,00	H7	30102105	X1	○	765,50

Handreibahle DIN 859 I B011010
Hand reamer DIN 859 I B011010

4,00		30102107	X1	●	69,50
4,50		30102109	X1	●	97,40
5,00		30102111	X1	●	70,20
5,50		30102113	X1	●	90,80

Handreibahle DIN 859 I B011011
Hand reamer DIN 859 I B011011

6,00		30102239	X1	●	70,20
6,50		30102241	X1	●	102,20
7,00		30102243	X1	●	86,20
7,50		30102245	X1	●	123,10
8,00		30102247	X1	●	84,50
8,50		30102249	X1	●	110,00
9,00		30102251	X1	●	90,80
9,50		30102253	X1	●	110,00
10,00		30102255	X1	●	92,60
10,50		30102257	X1	●	130,80
11,00		30102259	X1	●	111,70
11,50		30102261	X1	●	156,30
12,00		30102263	X1	●	105,20
12,50		30102265	X1	●	162,60
13,00		30102267	X1	●	123,10
13,50		30102269	X1	●	194,60

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
14,00		30102271	X1	●	125,90
14,50		30102273	X1	○	193,10
15,00		30102275	X1	●	129,10
15,50		30102277	X1	○	193,10
16,00		30102279	X1	●	161,10
16,50		30102281	X1	○	241,40
17,00		30102283	X1	●	201,10
17,50		30137431	X1	○	241,40
18,00		30102285	X1	●	169,00
18,50		30102286	X1	○	241,40
19,00		30102288	X1	●	173,80
19,50		30102289	X1	○	241,40
20,00		30102291	X1	●	178,50
21,00		30331489	X1	○	253,90
22,00		30102293	X1	●	213,80
23,00		30331490	X1	○	274,70
24,00		30102295	X1	●	234,40
25,00		30102297	X1	●	234,40
26,00		30102299	X1	○	279,00
27,00		30102300	X1	○	333,60
28,00		30102302	X1	●	293,40
29,00		30102304	X1	○	344,90
30,00		30102306	X1	●	304,60
31,00		30102308	X1	○	453,10
32,00		30102310	X1	○	413,00
33,00		30331491	X1	○	528,10
34,00		30102312	X1	○	528,10
35,00		30102314	X1	○	462,30
36,00		30102316	X1	○	577,20
37,00		30331493	X1	○	654,10
38,00		30102318	X1	○	614,10
39,00		30102319	X1	○	654,10
40,00		30102321	X1	○	614,10
41,00		30102322	X1	○	1036,80
42,00		30331494	X1	○	1036,80
43,00		30331495	X1	○	1036,80
44,00		30331496	X1	○	1036,80
45,00		30102324	X1	○	996,40
46,00		30102326	X1	○	1142,00
47,00		30331497	X1	○	1142,00
48,00		30331498	X1	○	1142,00
49,00		30102328	X1	○	1142,00
50,00		30102330	X1	○	1101,90
51,00		30331499	X1	○	1263,10
52,00		30331500	X1	○	1263,10
53,00		30331501	X1	○	1263,10
54,00		30331502	X1	○	1263,10
55,00		30102332	X1	○	1222,90
56,00		30331503	X1	○	1480,20
57,00		30331504	X1	○	1480,20
58,00		30102333	X1	○	1480,20
59,00		30331505	X1	○	1480,20
60,00		30102335	X1	○	1439,90

Schnellverstell-Reibahle WN 50 I B012011
Quick adjustable reamer WN 50 I B012011

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
6,40		30102341	X1	●	95,70
7,20		30102339	X1	●	95,70
8,00		30102337	X1	●	95,70
9,00		30102343	X1	●	100,60
10,00		30102345	X1	●	100,60
11,00		30102347	X1	●	100,60
12,00		30102349	X1	●	113,10
13,50		30102351	X1	●	127,40
15,50		30102353	X1	●	130,80
18,00		30102355	X1	●	141,80
21,00		30102357	X1	●	170,70
24,00		30102359	X1	●	180,20
27,50		30102361	X1	●	221,70
31,50		30102363	X1	●	309,40
37,00		30102365	X1	●	400,30
45,00		30102367	X1	●	542,00
55,00		30102369	X1	●	693,50
67,00		30102371	X1	●	1066,80
80,00		30102373	X1	●	1481,50

Sets – Schnellverstell-Reibahle WN 50 I B012015 + B012016
Sets – Quick adjustable reamer WN 50 I B012015 + B012016

Satz 11-teilig		30135917	X1	●	1722,10
Satz 13-teilig		30135916	X1	●	2444,60

Ersatzmesser-Sätze für Schnellverstell-Reibahle WN 50 I B012013
Spare blades for quick adjustable reamer WN 50 I B012013

0		30134496	X1	●	63,10
00		30134519	X1	●	63,10
000		30134531	X1	●	63,10
1		30134534	X1	●	70,20
2		30134535	X1	●	74,20
3		30134536	X1	●	74,20
4		30134537	X1	●	82,80
5		30134538	X1	●	86,20
6		30134539	X1	●	92,60
7		30134540	X1	●	98,80
8		30134541	X1	●	123,10
9		30134542	X1	●	127,40
10		30134543	X1	●	150,10
11		30134544	X1	●	229,70
12		30134545	X1	●	260,00
13		30134546	X1	●	347,80
14		30134547	X1	●	405,10
15		30134548	X1	●	636,30
16		30134549	X1	●	749,70

Verstellmuttern für Schnellverstell-Reibahle WN 50 I B012014
Adjustment nuts for quick adjustable reamer WN 50 I B012014

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
0		10070244	X1	●	3,00
00		10070245	X1	●	3,00
000		10070246	X1	●	3,00
1		10070247	X1	●	3,00
2		10070248	X1	●	3,00
3		10070249	X1	●	3,00
4		10070250	X1	●	3,00
5		10070251	X1	●	3,00
6		10070252	X1	●	3,90
7		10070253	X1	●	4,50
8		10070254	X1	●	5,80
9		10070255	X1	●	6,10
10		10070256	X1	●	6,60
11		10070257	X1	●	10,10
12		10070258	X1	●	14,10
13		10070259	X1	●	24,30
14		10076837	X1	●	30,70
15		10076838	X1	●	41,60
16		10076839	X1	●	81,70

Handreibahlen mit Zylinderschaft und Vierkant, konfigurierbare Baureihen
Hand reamers with cylindrical shank and square end, configurable series

Handreibahle DIN 206 I B010010
Hand reamer DIN 206 I B010010

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
0,950 - 1,090	X1	○	57,00
1,091 - 1,180	X1	○	43,70
1,181 - 1,320	X1	○	43,70
1,321 - 1,500	X1	○	43,70
1,501 - 1,700	X1	○	43,70
1,701 - 1,900	X1	○	43,70
1,901 - 2,120	X1	○	43,70
2,121 - 2,360	X1	○	43,70
2,361 - 2,650	X1	○	43,70
2,651 - 2,830	X1	○	43,70
2,831 - 3,000	X1	○	43,70
3,001 - 3,350	X1	○	43,70
3,351 - 3,750	X1	○	43,70
3,751 - 4,250	X1	○	46,00
4,251 - 4,750	X1	○	46,00
4,751 - 5,300	X1	○	46,00
5,301 - 6,100	X1	○	47,80
6,101 - 6,700	X1	○	47,80
6,701 - 7,100	X1	○	47,80
7,101 - 7,600	X1	○	52,30
7,601 - 8,100	X1	○	52,30
8,101 - 8,600	X1	○	54,30
8,601 - 9,100	X1	○	54,30
9,101 - 9,600	X1	○	54,30
9,601 - 10,100	X1	○	54,30
10,101 - 10,600	X1	○	64,90
10,601 - 11,100	X1	○	64,90
11,101 - 11,600	X1	○	70,80
11,601 - 12,300	X1	○	70,80
12,301 - 13,200	X1	○	78,10
13,201 - 14,200	X1	○	89,50
14,201 - 15,100	X1	○	89,50
15,101 - 16,200	X1	○	96,20
16,201 - 17,200	X1	○	109,80
17,201 - 17,550	X1	○	109,80
17,551 - 18,200	X1	○	123,90
18,201 - 19,100	X1	○	123,90
19,101 - 20,200	X1	○	123,90
20,201 - 21,200	X1	○	140,40
21,201 - 22,200	X1	○	140,40
22,201 - 23,200	X1	○	140,40
23,201 - 24,200	X1	○	155,70
24,201 - 25,200	X1	○	155,70
25,201 - 26,200	X1	○	155,70
26,201 - 27,200	X1	○	190,80
27,201 - 28,200	X1	○	190,80
28,201 - 30,200	X1	○	219,80
30,201 - 31,200	X1	○	219,80
31,201 - 32,200	X1	○	243,10
32,201 - 33,200	X1	○	261,90
33,201 - 35,200	X1	○	261,90
35,201 - 36,200	X1	○	269,80
36,201 - 37,200	X1	○	332,00
37,201 - 38,200	X1	○	351,20
38,201 - 39,200	X1	○	424,40
39,201 - 40,200	X1	○	336,80
43,000 - 45,200	X1	○	461,10
48,000 - 50,200	X1	○	540,90
58,000 - 60,200	X1	○	853,60

Handreibahle DIN 206 I B010011
Hand reamer DIN 206 I B010011

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
0,950 - 1,060	X1	○	53,00
1,061 - 1,180	X1	○	42,40
1,181 - 1,320	X1	○	42,40
1,321 - 1,500	X1	○	42,40
1,501 - 1,700	X1	○	38,80
1,701 - 1,900	X1	○	38,80
1,901 - 2,120	X1	○	38,80
2,121 - 2,360	X1	○	44,40
2,361 - 2,650	X1	○	44,40
2,651 - 2,830	X1	○	44,40
2,831 - 3,000	X1	○	44,40
3,001 - 3,350	X1	○	44,40
3,351 - 3,750	X1	○	44,40
3,751 - 4,250	X1	○	44,40
4,251 - 4,750	X1	○	44,40
4,751 - 5,300	X1	○	44,40
5,301 - 6,100	X1	○	44,40
6,101 - 6,700	X1	○	44,40
6,701 - 7,100	X1	○	44,40
7,101 - 7,600	X1	○	44,40
7,601 - 8,100	X1	○	44,40
8,101 - 8,600	X1	○	46,80
8,601 - 9,100	X1	○	46,80
9,101 - 9,600	X1	○	48,50
9,601 - 10,100	X1	○	48,50
10,101 - 10,600	X1	○	52,00
10,601 - 11,100	X1	○	52,00
11,101 - 11,600	X1	○	60,10
11,601 - 12,300	X1	○	60,10
12,301 - 13,200	X1	○	75,70
13,201 - 14,200	X1	○	81,70
14,201 - 15,100	X1	○	86,10
15,101 - 16,200	X1	○	89,20
16,201 - 17,200	X1	○	93,60
17,201 - 18,200	X1	○	103,90
18,201 - 19,100	X1	○	110,30
19,101 - 20,200	X1	○	110,30
20,201 - 21,200	X1	○	125,20
21,201 - 22,200	X1	○	125,20
22,201 - 23,200	X1	○	140,00
23,201 - 24,200	X1	○	140,00
24,201 - 25,200	X1	○	144,40
25,201 - 26,200	X1	○	152,90
26,201 - 27,200	X1	○	194,50
27,201 - 28,200	X1	○	194,50
28,201 - 30,200	X1	○	196,00
30,201 - 32,200	X1	○	212,10
32,201 - 33,200	X1	○	258,20
33,201 - 35,200	X1	○	258,20

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
35,201 - 37,200	X1	○	372,90
37,201 - 39,200	X1	○	455,90
39,201 - 40,200	X1	○	455,90
43,000 - 45,200	X1	○	462,10
48,000 - 50,200	X1	○	534,10
58,000 - 60,200	X1	○	806,70

Handreibahle DIN 859 I B011010
Hand reamer DIN 859 I B011010

3,900 - 4,200	X1	○	109,00
4,201 - 4,700	X1	○	109,00
4,701 - 5,200	X1	○	109,00
5,201 - 5,700	X1	○	109,00

Handreibahle DIN 859 I B011011
Hand reamer DIN 859 I B011011

5,701 - 6,200	X1	○	109,00
6,201 - 6,700	X1	○	122,50
6,701 - 7,200	X1	○	122,50
7,201 - 7,630	X1	○	132,10
7,631 - 8,200	X1	○	132,10
8,201 - 8,630	X1	○	132,10
8,631 - 9,200	X1	○	132,10
9,201 - 9,630	X1	○	147,40
9,631 - 10,200	X1	○	147,40
10,201 - 10,600	X1	○	156,90
10,601 - 11,200	X1	○	156,90
11,201 - 11,800	X1	○	156,90
11,801 - 12,400	X1	○	156,90
12,401 - 13,200	X1	○	156,90
13,201 - 13,640	X1	○	193,10
13,641 - 14,140	X1	○	193,10
14,141 - 14,640	X1	○	193,10
14,641 - 15,140	X1	○	193,10
15,141 - 15,640	X1	○	193,10
15,641 - 16,140	X1	○	193,10
16,141 - 16,640	X1	○	241,40
16,641 - 17,140	X1	○	241,40
17,141 - 17,640	X1	○	241,40
17,641 - 18,140	X1	○	241,40
18,141 - 18,400	X1	○	241,40
18,401 - 19,160	X1	○	241,40
19,161 - 19,660	X1	○	241,40
19,661 - 20,160	X1	○	241,40
20,161 - 21,200	X1	○	253,90
21,201 - 22,200	X1	○	253,90
22,201 - 23,200	X1	○	274,70
23,201 - 24,200	X1	○	274,70
24,201 - 25,200	X1	○	274,70
25,201 - 26,200	X1	○	319,30
26,201 - 27,200	X1	○	333,60
27,201 - 28,200	X1	○	333,60
28,201 - 29,200	X1	○	344,90
29,201 - 30,200	X1	○	344,90
30,201 - 31,200	X1	○	453,10
31,201 - 32,200	X1	○	453,10
32,201 - 33,200	X1	○	528,10
33,201 - 34,200	X1	○	528,10

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
34,201 - 35,200	X1	○	528,10
35,201 - 36,200	X1	○	617,40
36,201 - 37,200	X1	○	654,10
37,201 - 38,200	X1	○	654,10
38,201 - 39,200	X1	○	654,10
39,201 - 40,200	X1	○	654,10
40,201 - 41,200	X1	○	1036,80
41,201 - 42,200	X1	○	1036,80
42,201 - 43,200	X1	○	1036,80
43,201 - 44,200	X1	○	1036,80
44,201 - 45,200	X1	○	1036,80
45,201 - 46,200	X1	○	1142,00
46,201 - 47,200	X1	○	1142,00
47,201 - 48,200	X1	○	1142,00
48,201 - 49,200	X1	○	1142,00
49,201 - 50,200	X1	○	1142,00
50,201 - 51,200	X1	○	1263,10
51,201 - 52,200	X1	○	1263,10
52,201 - 53,200	X1	○	1263,10
53,201 - 54,200	X1	○	1263,10
54,201 - 55,200	X1	○	1263,10
55,201 - 56,200	X1	○	1480,20
56,201 - 57,200	X1	○	1480,20
57,201 - 58,200	X1	○	1480,20
58,201 - 59,200	X1	○	1480,20
59,201 - 60,200	X1	○	1480,20

Kegelreibahlen, Vorzugsbaureihen
Taper reamers, preferred series

Stiftloch-Schälreibahle I B021010, mit Zylinderschaft und Mitnehmer
Helical taper reamer I B021010, with cylindrical shank and driving tang

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
1,00		30102455	X2	●	111,70
1,50		30102456	X2	●	37,50
2,00		30102457	X2	●	39,00
2,50		30102458	X2	●	45,40
3,00		30102459	X2	●	39,60
4,00		30102461	X2	●	39,60
5,00		30102463	X2	●	42,40
6,00		30102465	X2	●	48,90
6,50		30102467	X2	●	61,50
8,00		30102469	X2	●	73,50
10,00		30102471	X2	●	92,60
12,00		30102473	X2	●	116,50

Stiftloch-Schälreibahle I B021011, mit Morsekegelschaft
Helical taper reamer I B021011, with morse taper shank

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
5,00		30102475	X2	●	79,90
6,00		30102477	X2	●	78,10
8,00		30102479	X2	●	105,20
10,00		30102481	X2	●	102,20
12,00		30102483	X2	●	129,10
13,00		30102485	X2	●	140,40
14,00		30102487	X2	●	141,80
16,00		30102489	X2	●	180,20
20,00		30102491	X2	●	282,40
25,00		30102493	X2	●	424,00
30,00		30102495	X2	●	657,00
40,00		30102497	X2	●	1028,50
50,00		30102499	X2	●	1454,20

Hand-Kegelreibahle I B020011
Hand taper reamer I B020011

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
3,00		30102415	X2	●	33,60
3,50		30102416	X2	●	38,30
4,00		30102418	X2	●	35,80
4,50		30102420	X2	●	43,10
5,00		30102422	X2	●	38,30
5,50		30102424	X2	●	55,10
6,00		30102426	X2	●	44,60
6,50		30102428	X2	●	56,70
7,00		30102430	X2	●	67,80
8,00		30102432	X2	●	71,70
9,00		30102434	X2	●	100,60
10,00		30102436	X2	●	100,60
12,00		30102438	X2	●	129,10
13,00		30102440	X2	●	138,80
14,00		30102442	X2	●	145,10
16,00		30102444	X2	●	177,00
20,00		30102446	X2	●	231,20
25,00		30102448	X2	●	401,80
30,00		30102450	X2	●	497,40
40,00		30102452	X2	●	818,00
50,00		30102454	X2	●	1267,60

Hand-Kegelreibahle I B024011
Hand taper reamer I B024011

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
0,00		30102559	X2	●	58,20
1,00		30102561	X2	●	62,30
2,00		30102563	X2	●	89,20
3,00		30102565	X2	●	119,50
4,00		30102567	X2	●	207,30
5,00		30102569	X2	●	408,20
6,00		30102571	X2	●	1108,30

d_1	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €

Kegelsenker, Präzisionsausführung
Countersinking Tools, precision design

Kegelsenker 90° EUC-Speed I B044210, VHM beschichtet
Countersink 90° EUC-Speed I B044210, solid carbide coated

6,30	30729770	X4	●	119,40
8,30	30729772	X4	●	129,40
10,40	30729774	X4	●	135,00
12,40	30729776	X4	●	141,40
16,50	30729778	X4	●	173,30
20,50	30729780	X4	●	198,30
25,00	30729782	X4	●	229,20
31,00	30729783	X4	●	271,80

Kegelsenker 90° EUC-Speed I B054210, HSS beschichtet
Countersink 90° EUC-Speed I B054210, HSS coated

4,30	30662977	X5	●	22,70
6,00	30662978	X5	●	24,30
6,30	30602669	X5	●	24,50
8,00	30662979	X5	●	26,70
8,30	30662980	X5	●	27,30
10,00	30662982	X5	●	27,70
10,40	30602672	X5	●	27,80
11,50	30662984	X5	●	31,90
12,40	30662985	X5	●	33,30
15,00	30662986	X5	●	37,40
16,50	30602673	X5	●	38,40
19,00	30662987	X5	●	42,30
20,50	30602674	X5	●	47,80
23,00	30662988	X5	●	52,30
25,00	30602675	X5	●	57,60
31,00	30662989	X5	●	70,50

Kegelsenker-Set 90° EUC-Speed I B054218, HSS beschichtet, 5-teilig
Set of countersinks 90° EUC-Speed I B054218, HSS coated, 5 pieces

6,30 / 10,40 / 16,50 / 20,50 / 25,00	30602967	X5	●	188,10

Kegelsenker EUC-Speed 90° I B054207, HSS beschichtet, mit 3 Spannflächen
Contersink EUC-Speed 90°I B054207, HSS coated, with 3 clamping surfaces

4,30	30881866	X5	●	25,10
6,00	30881867	X5	●	27,00
6,30	30881868	X5	●	27,30
8,00	30881869	X5	●	29,40
8,30	30881870	X5	●	29,90
10,00	30881871	X5	●	30,30
10,40	30881872	X5	●	30,30
11,50	30881873	X5	●	34,90
12,40	30881874	X5	●	36,30
15,00	30881875	X5	●	40,90
16,50	30881876	X5	●	41,10
19,00	30881877	X5	●	45,30
20,50	30881878	X5	●	50,40
23,00	30881879	X5	●	55,20
25,00	30881880	X5	●	60,20
31,00	30881881	X5	●	73,80

d_1	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €

Kegelsenker-Set 90° EUC-Speed I B054217, HSS beschichtet, 3 Spannflächen, 5-teilig
Set of countersinks 90° EUC-Speed I B054217, HSS coated, 3 clamping surfaces, 5 pieces

6,30 / 10,40 / 16,50 / 20,50 / 25,00	30897967	X5	●	201,20

Kegelsenker EUC-Speed 90° I B054209, HSS beschichtet, lange Ausführung
Contersink EUC-Speed 90° I B054209, HSS coated, long version

6,30	31006152	X5	●	47,30
8,30	31006153	X5	●	50,80
10,40	31006154	X5	●	54,50
12,40	31006155	X5	●	60,90
16,50	31006156	X5	●	64,80
20,50	31006157	X5	●	77,50
25,00	31006158	X5	●	89,30
31,00	31006159	X5	●	118,10

Kegelsenker 60° EUC-Speed I B054110, HSS beschichtet
Countersink 60° EUC-Speed I B054110, HSS coated

6,30	31051748	X5	●	24,50
8,00	31051749	X5	●	26,70
10,00	31051760	X5	●	27,70
12,50	31051761	X5	●	33,30
16,00	31051762	X5	●	38,40
20,00	31051763	X5	●	47,80
25,00	31051764	X5	●	57,60

Kegelsenker EUC-Speed 60° I B054107, HSS beschichtet, mit 3 Spannflächen
Countersink EUC-Speed 60°I B054107, HSS coated, with 3 clamping surfaces

6,30	31051765	X5	●	27,30
8,00	31051766	X5	●	29,40
10,00	31051767	X5	●	30,30
12,50	31051768	X5	●	36,30
16,00	31051769	X5	●	41,10
20,00	31051770	X5	●	50,40
25,00	31051771	X5	●	60,20

Kegelsenker 90° DIN 335 C I B041020, VHM-Ausführung
Countersink 90° DIN 335 C I B041020, solid carbide design

6,30	30110278	X4	●	83,10
8,30	30110280	X4	●	86,40
10,40	30110282	X4	●	92,50
12,40	30110284	X4	●	103,30
16,50	30110286	X4	●	124,80
20,50	30110288	X4	●	149,30
25,00	30110290	X4	●	177,10
31,00	30110292	X4	●	225,00

Kegelsenker 90° DIN 335 A I B050810, HSS-Ausführung
Countersink 90° DIN 335 A I B050810, HSS design

8,00	30110910	X5	●	10,80
12,50	30110912	X5	●	19,30
16,00	30110914	X5	●	27,20
20,00	30110916	X5	●	33,60

Kegelsenker 90° WN 181 I B051011, HSS-Ausführung
Countersink 90° WN 181 I B051011, HSS design

d_1	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
6,00	30110944	X5	●	9,50
8,00	30110946	X5	●	10,40
10,00	30110948	X5	●	11,10
12,50	30110950	X5	●	13,80
16,00	30110952	X5	●	14,90
20,00	30110954	X5	●	21,20
25,00	30110956	X5	●	30,60
31,50	30110958	X5	●	39,60

Kegelsenker 90° DIN 335 C I B051207 HSS-Ausführung mit 3 Spannflächen
Countersink 90° DIN 335 C I B051207, HSS design with 3 clamping surfaces

11,50	30111000	X5	●	15,80
12,40	30111002	X5	●	16,40
13,40	30111004	X5	●	17,40
15,00	30111006	X5	●	18,20
16,50	30111008	X5	●	19,00
19,00	30111010	X5	●	24,70
20,50	30111012	X5	●	25,80
23,00	30111014	X5	●	33,60
25,00	30111016	X5	●	35,20
26,00	30111018	X5	●	44,60
28,00	30111020	X5	●	46,20
30,00	30111022	X5	●	50,20
31,00	30111024	X5	●	50,20

Kegelsenker 90° DIN 335 C I B051210, HSS-Ausführung
Countersink 90° DIN 335 C I B051210, HSS design

4,30	30111110	X5	●	8,40
4,80	30111112	X5	●	8,40
5,00	30111114	X5	●	8,40
5,30	30111116	X5	●	8,40
5,80	30111118	X5	●	8,60
6,00	30111120	X5	●	8,60
6,30	30111122	X5	●	8,60
7,00	30111124	X5	●	9,30
7,30	30111126	X5	●	9,30
8,00	30111128	X5	●	9,30
8,30	30111130	X5	●	9,80
9,40	30111132	X5	●	11,20
10,00	30111134	X5	●	11,30
10,40	30111136	X5	●	11,80
11,50	30111138	X5	●	12,60
12,40	30111140	X5	●	12,60
13,40	30111142	X5	●	14,00
14,40	30111144	X5	●	14,40
15,00	30111146	X5	●	14,40
16,50	30111148	X5	●	15,50
19,00	30111150	X5	●	21,20
20,50	30111152	X5	●	21,70
23,00	30111154	X5	●	28,70
25,00	30111156	X5	●	29,10
26,00	30111158	X5	●	40,80
28,00	30111160	X5	●	41,60
30,00	30111162	X5	●	43,90
31,00	30111164	X5	●	43,90

Kegelsenker-Set 90° DIN 335 C I B051218, HSS-Ausführung, 5-teilig
Set of countersinks 90° DIN 335 C I B051218, HSS design, 5 pieces

6,30 / 10,40 / 16,50 / 20,50 / 25,00	30111176	X5	●	93,30

Kegelsenker 90° DIN 335 D I B051310 HSS-Ausführung
Countersink 90° DIN 335 D I B051310 HSS design

15,00	30111220	X5	●	35,80
16,50	30111222	X5	●	39,60
19,00	30111224	X5	●	45,40
20,50	30111226	X5	●	45,40
23,00	30111228	X5	●	46,20
25,00	30111230	X5	●	46,20
26,00	30111232	X5	●	48,90
28,00	30111234	X5	●	48,90
30,00	30111236	X5	●	49,60
31,00	30111238	X5	●	51,80
34,00	30111240	X5	●	55,10
37,00	30111242	X5	●	58,90
40,00	30111244	X5	●	74,80
50,00	30111246	X5	●	92,60
63,00	30111248	X5	●	153,10
80,00	30111250	X5	●	260,00
100,00	30111252	X5	●	362,30

Kegelsenker 90° DIN 335 C I B053207 HSS + TiN, mit 3 Spannflächen
Countersink 90° DIN 335 C I B053207 HSS + TiN, with 3 clamping surfaces

11,50	30117648	X5	●	25,10
12,40	30117649	X5	●	26,60
13,40	30117650	X5	●	27,70
15,00	30117651	X5	●	30,00
16,50	30117652	X5	●	29,10
19,00	30117653	X5	●	40,80
20,50	30117654	X5	●	43,10
23,00	30117655	X5	●	54,10
25,00	30117656	X5	●	53,50
31,00	30136388	X5	●	69,50

Kegelsenker 90° DIN 335 C I B053210 HSS + TiN
Countersink 90° DIN 335 C I B053210 HSS + TiN

4,80	30117658	X5	●	14,70
5,00	30117660	X5	●	15,90
6,00	30117662	X5	●	15,90
6,30	30117664	X5	●	15,90
7,00	30117666	X5	●	18,40
7,30	30117668	X5	●	18,40
8,00	30117670	X5	●	18,40
8,30	30117672	X5	●	18,40
9,40	30117674	X5	●	20,40
10,00	30117676	X5	●	20,40
10,40	30117678	X5	●	22,30

d_1	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
11,50	30117680	X5	●	22,60
12,40	30117682	X5	●	23,70
15,00	30117684	X5	●	27,20
16,50	30117686	X5	●	29,10
19,00	30117688	X5	●	38,30
20,50	30117690	X5	●	39,60
23,00	30117692	X5	●	51,80
25,00	30117694	X5	●	53,50
31,00	30117696	X5	●	69,50

Kegelsenker-Set, 90° I B053220, HSS + TiN, 5-teilig
Set of countersinks, 90° I B053220, HSS + TiN, 5 pieces

6,30 / 10,40 / 16,50 / 20,50 / 25,00	30359531	X5	●	137,90

Kegelsenker 90° DIN 335 C I B053212 HSS + TiAlN
Countersink 90° DIN 335 C I B053212 HSS + TiAlN

6,30	30117700	X5	●	20,40
8,30	30117702	X5	●	24,60
10,40	30117704	X5	●	28,10
12,40	30117706	X5	●	30,00
15,00	30117709	X5	●	35,80
16,50	30117711	X5	●	37,50
20,50	30117713	X5	●	50,20
25,00	30117715	X5	●	67,00
31,00	30117717	X5	●	87,90

Kegelsenker 90° DIN 335 D I B053310 HSS + TiN
Countersink 90° DIN 335 D I B053310 HSS + TiN

25,00	30117720	X5	●	81,50
31,00	30117722	X5	●	87,90
37,00	30117724	X5	●	102,20
40,00	30117726	X5	●	130,80
50,00	30117728	X5	●	162,60
63,00	30117730	X5	●	268,00

d_1	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €

Kegelsenker 60° DIN 334 A I B050610, HSS-Ausführung
Countersink 60° DIN 334 A I B050610, HSS design

8,00	30110881	X5	●	14,10
12,50	30110883	X5	●	24,20
16,00	30110885	X5	●	32,70
20,00	30110887	X5	●	39,00

Kegelsenker 60° WN 180 I B051010, HSS-Ausführung
Countersink 60° WN 180 I B051010, HSS design

6,00	30135229	X5	●	11,30
8,00	30110930	X5	●	11,80
10,00	30110932	X5	●	12,40
12,50	30110934	X5	●	13,90
16,00	30110936	X5	●	16,30
20,00	30110938	X5	●	21,70
25,00	30110940	X5	●	34,50
31,50	30110942	X5	●	43,90

Kegelsenker 60° DIN 334 C I B051110, HSS-Ausführung
Countersink 60° DIN 334 C I B051110, HSS design

6,30	30110968	X5	●	9,50
8,00	30110970	X5	●	9,80
10,00	30110972	X5	●	12,20
12,50	30110974	X5	●	12,90
16,00	30110976	X5	●	15,60
20,00	30110978	X5	●	22,30
22,50	30110980	X5	●	26,50
25,00	30110982	X5	●	30,20

Kegelsenker 60° DIN 334 D I B051111, HSS-Ausführung
Countersink 60° DIN 334 D I B051111, HSS design

16,00	30110984	X5	●	31,00
20,00	30110986	X5	●	39,60
25,00	30110988	X5	●	40,80
31,50	30110990	X5	●	51,80
40,00	30110992	X5	●	79,90
50,00	30110994	X5	●	105,20
63,00	30110996	X5	●	204,10
80,00	30110998	X5	●	352,40

Kegelsenker 60° DIN 334 C I B053320, HSS + TiN
Countersink 60° DIN 334 C I B053320, HSS + TiN

6,30	30117732	X5	●	16,40
8,00	30117734	X5	●	17,00
10,00	30117736	X5	●	20,80
12,50	30117738	X5	●	22,60
16,00	30117740	X5	●	27,60
20,00	30117742	X5	●	39,00
22,50	30117744	X5	●	45,40
25,00	30117746	X5	●	52,70

d_1	**Produkt-parameter** Product-Parameter	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €

Flachsenker für Durchgangsbohrung
Counterbores for through hole

Flachsenker DIN 373 I B051510, fein, HSS-Ausführung
Counterbore DIN 373 I B051510, fine, HSS design

6,00	M3	30165316	X5	●	15,60
6,50	M3	30111323	X5	●	15,60
6,50	M3,5	30111325	X5	●	15,60
8,00	M4	30111327	X5	●	12,70
10,00	M5	30111329	X5	●	13,90
11,00	M6	30111331	X5	●	14,70
15,00	M8	30111333	X5	●	23,40
18,00	M10	30111335	X5	●	28,10
20,00	M12	30111337	X5	●	30,60

Flachsenker-Set I B051513, HSS-Ausführung, 6-teilig
Set of counterbores I B051513, HSS design, 6 pieces

M3 / M4 / M5 / M6 / M8 / M10	30111371	X5	●	135,60

Flachsenker DIN 373 I B053510, fein, HSS + TiN
Counterbore DIN 373 I B053510, fine, HSS + TiN

6,00	M3	30117754	X5	○	39,00
6,50	M3	30117755	X5	○	30,60
8,00	M4	30117756	X5	●	27,60
10,00	M5	30117757	X5	●	29,40
11,00	M6	30117758	X5	●	31,40
15,00	M8	30117759	X5	●	51,80
18,00	M10	30117760	X5	●	61,50
20,00	M12	30117761	X5	●	67,80

Flachsenker DIN 373 I B051511, mittel, HSS-Ausführung
Counterbore DIN 373 I B051511, medium, HSS design

6,00	M3	30165317	X5	●	15,60
6,50	M3	30111339	X5	●	15,60
6,50	M3,5	30111341	X5	●	15,60
8,00	M4	30111343	X5	●	12,70
10,00	M5	30111345	X5	●	13,90
11,00	M6	30111347	X5	●	14,70
15,00	M8	30111349	X5	●	23,40
18,00	M10	30111351	X5	●	28,10
20,00	M12	30111353	X5	●	30,60

Flachsenker-Set I B051514, HSS-Ausführung, 6-teilig
Set of counterbores I B051514, HSS design, 6 pieces

M3 / M4 / M5 / M6 / M8 / M10	30111372	X5	●	135,60

Flachsenker DIN 373 I B053511, mittel, HSS + TiN
Counterbore DIN 373 I B053511, medium, HSS + TiN

6,00	M3	30117762	X5	○	39,00
6,50	M3	30117763	X5	●	30,60
8,00	M4	30117764	X5	●	27,60
10,00	M5	30117765	X5	●	29,40
11,00	M6	30117766	X5	●	31,40
15,00	M8	30117767	X5	●	51,80
18,00	M10	30117768	X5	●	61,50
20,00	M12	30117769	X5	●	67,80

Flachsenker WN 178 I B051710, fein, HSS-Ausführung
Counterbore WN 178 I B051710, fine, HSS design

18,00	M10	30111529	X5	●	39,60
20,00	M12	30111531	X5	●	42,40
24,00	M14	30111533	X5	●	48,90
26,00	M16	30111535	X5	●	55,10
30,00	M18	30111537	X5	●	65,40
33,00	M20	30111539	X5	●	75,60
36,00	M22	30111541	X5	●	102,20
40,00	M24	30111543	X5	●	106,80

Flachsenker WN 178 I B051711, mittel, HSS-Ausführung
Counterbore WN 178 I B051711, medium, HSS design

18,00	M10	30111545	X5	●	39,60
20,00	M12	30111547	X5	●	42,40
24,00	M14	30111549	X5	●	48,90
26,00	M16	30111551	X5	●	55,10
30,00	M18	30111553	X5	●	65,40
33,00	M20	30111555	X5	●	75,60
36,00	M22	30111557	X5	●	102,20
40,00	M24	30111559	X5	●	106,80

Flachsenker für Gewindekernloch
Counterbores for tapping bore

Flachsenker DIN 373 I B051512, HSS-Ausführung
Counterbore DIN 373 I B051512, HSS design

6,00	M3	30165315	X5	●	16,30
6,50	M3	30111355	X5	●	16,30
6,50	M3,5	30111357	X5	●	16,30
8,00	M4	30111359	X5	●	14,90
10,00	M5	30111361	X5	●	14,40
11,00	M6	30111363	X5	●	15,20
15,00	M8	30111365	X5	●	23,70
18,00	M10	30111367	X5	●	29,40
20,00	M12	30111369	X5	●	32,70

Flachsenker-Set I B051515, HSS-Ausführung, 6-teilig
Set of counterbores I B051515, HSS design, 6 pieces

M3 / M4 / M5 / M6 / M8 / M10	30359523	X5	○	140,10

Flachsenker für auswechselbare Führungszapfen
Counterbores for interchangeable pilots

Flachsenker DIN 375 I B051610, mit Morsekegelschaft
Counterbore DIN 375 I B051610, with morse taper shank

15,00	4	30111374	X5	●	65,40
18,00	5	30111376	X5	●	67,00
20,00	5	30111378	X5	●	70,20
24,00	6	30111380	X5	●	79,00
26,00	8	30111382	X5	●	89,20
30,00	8	30111384	X5	●	110,00
33,00	10	30111386	X5	●	123,10
36,00	10	30111388	X5	●	138,80
40,00	10	30111390	X5	●	162,60
43,00	12	30111392	X5	●	231,20
46,00	12	30111394	X5	●	256,90
50,00	12	30111397	X5	●	256,90
54,00	16	30111399	X5	●	328,40

d_1	**Produkt-parameter** Product-Parameter	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
58,00	16	30111401	X5	●	387,50
61,00	16	30111403	X5	●	475,30
63,00	16	30111405	X5	●	535,70

Führungszapfen DIN 1868 für Flachsenker DIN 375 I B051611
Pilots DIN 1868 for counterbores DIN 375 I B051611

6,80	4	30111407	X5	●	15,80
6,80	5	30111422	X5	●	19,20
8,40	4	30111409	X5	●	15,80
8,40	5	30111424	X5	●	19,20
8,50	5	30111426	X5	●	19,20
8,50	6	30111446	X5	●	22,10
9,00	4	30111411	X5	●	15,80
9,00	5	30111428	X5	●	19,20
10,20	5	30111412	X5	●	19,20
10,20	6	30111430	X5	●	22,10
10,20	8	30111448	X5	●	23,30
10,50	5	30111414	X5	●	19,20
10,50	6	30111432	X5	●	22,10
11,00	5	30111416	X5	●	19,20
11,00	6	30111434	X5	●	22,10
12,00	6	30111436	X5	●	22,10
12,00	8	30111450	X5	●	23,30
13,00	5	30111418	X5	●	19,20
13,00	6	30111438	X5	●	22,10
13,00	8	30111452	X5	●	23,30
13,50	5	30111420	X5	●	19,20
13,50	6	30111440	X5	●	22,10
13,50	8	30111454	X5	●	23,30
14,00	8	30111456	X5	●	23,30
14,00	10	30111470	X5	●	28,50
15,00	6	30111442	X5	●	22,10
15,00	8	30111458	X5	●	23,30
15,50	6	30111444	X5	●	22,10
15,50	8	30111460	X5	●	23,30
15,50	8	30111460	X5	●	23,30
15,50	10	30111472	X5	●	28,50
17,00	8	30111462	X5	●	23,30
17,00	10	30111474	X5	●	28,50
17,50	8	30111464	X5	●	23,30
17,50	10	30111476	X5	●	28,50
17,50	10	30111476	X5	●	28,50
19,00	8	30111466	X5	●	23,30
19,00	10	30111478	X5	●	28,50
19,50	10	30111480	X5	●	28,50
19,50	12	30111496	X5	●	42,60
20,00	8	30111468	X5	●	23,30
20,00	10	30111482	X5	●	28,50
21,00	10	30111484	X5	●	28,50
21,00	10	30111484	X5	●	28,50
21,00	12	30111498	X5	●	42,60
22,00	10	30111486	X5	●	28,50
23,00	10	30111488	X5	●	28,50
23,00	12	30111500	X5	●	42,60
24,00	10	30111490	X5	●	28,50
24,00	12	30111502	X5	●	42,60
24,00	12	30111502	X5	●	42,60
24,00	16	30111513	X5	●	62,90

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
25,00	10	30111492	X5	●	28,50
25,00	12	30111504	X5	●	47,40
26,00	10	30111494	X5	●	28,50
26,00	12	30111505	X5	●	47,40
26,50	12	30111507	X5	●	47,40
26,50	16	30111515	X5	●	49,50
29,50	16	30111517	X5	●	62,90
30,00	12	30111509	X5	●	47,40
30,00	16	30111519	X5	●	62,90
32,00	16	30111521	X5	●	73,00
33,00	12	30111511	X5	●	47,40
33,00	16	30111523	X5	●	49,50
36,00	16	30111525	X5	●	73,00
39,00	16	30111527	X5	●	73,00

Aufbohrwerkzeuge, Vorzugsbaureihen
Core drills, preferred series

Aufbohrer DIN 344 I B050010, Vollmaß, mit Zylinderschaft
Core drill DIN 344 I B050010, full size, with cylindrical shank

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
5,00	h8	30110316	X5	○	29,80
6,00	h8	30110318	X5	○	30,20
7,00	h8	30110320	X5	○	34,50
8,00	h8	30110322	X5	●	39,60
9,00	h8	30110324	X5	●	42,40
10,00	h8	30110326	X5	○	43,90
11,00	h8	30110328	X5	○	55,10
12,00	h8	30110330	X5	●	56,70
13,00	h8	30110332	X5	○	70,20
14,00	h8	30110334	X5	○	79,90
15,00	h8	30110336	X5	○	87,90
16,00	h8	30110338	X5	●	97,40
17,00	h8	30110340	X5	○	114,90
18,00	h8	30110342	X5	○	127,40
19,00	h8	30110344	X5	●	140,40
20,00	h8	30110346	X5	●	150,10

Aufbohrer DIN 344 I B050011, Untermaß, mit Zylinderschaft
Core drill DIN 344 I B050011, under size, with cylindrical shank

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
4,80	h8	30110348	X5	○	29,80
5,80	h8	30110350	X5	○	30,20
6,80	h8	30110352	X5	○	34,50
7,80	h8	30110354	X5	○	39,60
8,80	h8	30110356	X5	○	42,40
9,80	h8	30110358	X5	○	43,90
10,75	h8	30110360	X5	○	55,10
11,75	h8	30110362	X5	●	56,70
12,75	h8	30110364	X5	○	70,20
13,75	h8	30110366	X5	●	79,90
14,75	h8	30110369	X5	●	87,90
15,75	h8	30110371	X5	●	97,40
16,75	h8	30110373	X5	○	114,90
17,75	h8	30110375	X5	○	127,40
18,70	h8	30110377	X5	○	140,40
19,70	h8	30110379	X5	○	150,10

Aufbohrer DIN 343 I B050110, Vollmaß, mit Morsekegelschaft
Core drill DIN 343 I B050110, full size, with morse taper shank

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
8,00	h8	30110381	X5	●	55,10
9,00	h8	30110383	X5	●	58,90
10,00	h8	30110385	X5	●	58,90
11,00	h8	30110387	X5	●	58,90
12,00	h8	30110389	X5	●	58,90
13,00	h8	30110391	X5	●	67,00
14,00	h8	30110393	X5	●	67,80
15,00	h8	30110395	X5	●	73,50
16,00	h8	30110397	X5	●	77,30
17,00	h8	30110399	X5	●	79,90
18,00	h8	30110401	X5	●	84,50
19,00	h8	30110403	X5	●	94,10
20,00	h8	30110405	X5	●	94,10
21,00	h8	30110407	X5	●	106,80
22,00	h8	30110409	X5	●	108,60
23,00	h8	30110411	X5	●	123,10
24,00	h8	30110413	X5	●	127,40
25,00	h8	30110415	X5	●	135,70
26,00	h8	30110417	X5	●	141,80
27,00	h8	30110419	X5	●	164,40
28,00	h8	30110421	X5	●	165,80
29,00	h8	30110423	X5	●	181,90
30,00	h8	30110425	X5	●	188,10
31,00	h8	30110427	X5	●	221,70
32,00	h8	30110429	X5	●	240,80
33,00	h8	30110431	X5	●	255,30
34,00	h8	30110433	X5	●	268,00
35,00	h8	30110435	X5	●	277,50
36,00	h8	30110437	X5	○	298,30
37,00	h8	30110439	X5	○	320,30
38,00	h8	30110441	X5	○	328,40
39,00	h8	30110443	X5	○	349,30
40,00	h8	30110445	X5	○	354,00
41,00	h8	30110447	X5	○	436,90
42,00	h8	30110449	X5	○	456,00
43,00	h8	30110451	X5	○	516,70
44,00	h8	30110453	X5	○	534,10
45,00	h8	30110455	X5	○	542,00
46,00	h8	30110457	X5	○	577,20
47,00	h8	30110459	X5	○	649,20
48,00	h8	30110461	X5	○	672,90
49,00	h8	30110463	X5	○	709,50
50,00	h8	30110465	X5	○	709,50

Aufbohrer DIN 343 I B050111, Untermaß, mit Morsekegelschaft
Core drill DIN 343 I B050111, under size, with morse taper shank

d_1	Toleranz Tolerance	Bestell-Nr. Order No.	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
7,80	h8	30110467	X5	●	55,10
8,80	h8	30110469	X5	●	58,90
9,80	h8	30110471	X5	●	58,90
10,75	h8	30110473	X5	●	58,90
11,75	h8	30110475	X5	●	58,90
12,75	h8	30110477	X5	●	67,00
13,75	h8	30110479	X5	●	67,80
14,75	h8	30110481	X5	●	73,50
15,75	h8	30110483	X5	●	77,30
16,75	h8	30110485	X5	●	79,90
17,75	h8	30110487	X5	●	84,50
18,70	h8	30110489	X5	●	94,10
19,70	h8	30110491	X5	●	94,10
20,70	h8	30110493	X5	●	106,80
21,70	h8	30110495	X5	●	108,60
22,70	h8	30110497	X5	●	123,10
23,70	h8	30110499	X5	●	127,40
24,70	h8	30110501	X5	●	135,70
25,70	h8	30110503	X5	●	141,80
26,70	h8	30110505	X5	●	164,40
27,70	h8	30110507	X5	●	165,80
28,70	h8	30110509	X5	●	181,90
29,70	h8	30110511	X5	●	188,10
30,60	h8	30110513	X5	●	221,70
31,60	h8	30110515	X5	●	240,80
32,60	h8	30110517	X5	●	255,30
33,60	h8	30110519	X5	●	268,00

d_1	**Toleranz** Tolerance	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
34,60	h8	30110521	X5	●	277,50
35,60	h8	30110523	X5	●	298,30
36,60	h8	30110525	X5	●	320,30
37,60	h8	30110527	X5	●	328,40
38,60	h8	30110529	X5	●	349,30
39,60	h8	30110531	X5	●	354,00
40,60	h8	30110533	X5	●	436,90
41,60	h8	30110535	X5	○	456,00
42,60	h8	30110537	X5	○	516,70
43,60	h8	30110539	X5	○	534,10
44,60	h8	30110541	X5	○	542,00
45,60	h8	30110543	X5	○	577,20
46,60	h8	30110545	X5	○	649,20
47,60	h8	30110547	X5	○	672,90
48,60	h8	30110549	X5	○	709,50
49,60	h8	30110551	X5	○	709,50

Aufsteckaufbohrer DIN 222 I B050310, Vollmaß
Shell core drill DIN 222 I B050310, full size

24,00	h8	30110598	X5	○	177,00
25,00	h8	30110600	X5	○	162,60
26,00	h8	30110602	X5	○	162,60
27,00	h8	30110604	X5	○	232,70
28,00	h8	30110606	X5	○	196,00
29,00	h8	30110608	X5	○	231,20
30,00	h8	30110610	X5	○	170,70
31,00	h8	30110612	X5	○	188,10
32,00	h8	30110614	X5	○	188,10
33,00	h8	30110616	X5	○	196,00
34,00	h8	30110618	X5	○	196,00
35,00	h8	30110620	X5	○	188,10
36,00	h8	30110622	X5	○	188,10
37,00	h8	30110624	X5	○	212,20
38,00	h8	30110626	X5	○	197,70
39,00	h8	30110628	X5	○	223,40
40,00	h8	30110630	X5	○	191,30
42,00	h8	30110632	X5	○	196,00
44,00	h8	30110634	X5	○	212,20
45,00	h8	30110636	X5	○	212,20
46,00	h8	30110638	X5	○	260,00
47,00	h8	30110640	X5	○	277,50
48,00	h8	30110642	X5	○	277,50
50,00	h8	30110644	X5	○	260,00
52,00	h8	30110646	X5	○	260,00
55,00	h8	30110648	X5	○	290,40
58,00	h8	30110650	X5	○	314,10
60,00	h8	30110652	X5	○	314,10
62,00	h8	30110654	X5	○	338,00
65,00	h8	30110656	X5	○	398,60
68,00	h8	30110658	X5	○	569,30
70,00	h8	30110660	X5	○	499,00
72,00	h8	30110662	X5	○	561,20
75,00	h8	30110664	X5	○	577,20
78,00	h8	30110666	X5	○	770,10
80,00	h8	30110668	X5	○	770,10
82,00	h8	30110670	X5	○	830,80
85,00	h8	30110672	X5	○	867,50
88,00	h8	30110674	X5	○	961,50
90,00	h8	30110676	X5	○	961,50
95,00	h8	30110678	X5	○	1243,90
98,00	h8	30110680	X5	○	1243,90
100,00	h8	30110682	X5	○	1243,90

Aufsteckaufbohrer DIN 222 I B050311, Untermaß
Shell core drill DIN 222 I B050311, under size

23,70	h8	30110684	X5	○	177,00
24,70	h8	30110686	X5	○	162,60
25,70	h8	30110688	X5	○	162,60
26,70	h8	30110690	X5	○	232,70
27,70	h8	30110692	X5	○	196,00
28,70	h8	30110694	X5	○	231,20
29,70	h8	30110696	X5	○	170,70
30,60	h8	30110698	X5	○	188,10
31,60	h8	30110700	X5	○	188,10
32,60	h8	30110702	X5	○	196,00
33,60	h8	30110704	X5	○	196,00
34,60	h8	30110706	X5	○	188,10
35,60	h8	30110708	X5	○	188,10
36,60	h8	30110710	X5	○	212,20
37,60	h8	30110712	X5	○	197,70
38,60	h8	30110714	X5	○	223,40
39,60	h8	30110716	X5	○	191,30
41,60	h8	30110718	X5	○	196,00
43,60	h8	30110720	X5	○	212,20
44,60	h8	30110722	X5	○	212,20
45,60	h8	30110724	X5	○	260,00
46,60	h8	30110726	X5	○	277,50
47,60	h8	30110728	X5	○	277,50
49,60	h8	30110730	X5	○	260,00
51,50	h8	30110732	X5	○	260,00
54,50	h8	30110734	X5	○	290,40
57,50	h8	30110736	X5	○	314,10
59,50	h8	30110738	X5	○	314,10
61,50	h8	30110740	X5	○	338,00
64,50	h8	30110742	X5	○	398,60
67,50	h8	30110744	X5	○	569,30
69,50	h8	30110746	X5	○	499,00
71,50	h8	30110748	X5	○	561,20
74,50	h8	30110750	X5	○	577,20
77,50	h8	30110752	X5	○	770,10
79,50	h8	30110754	X5	○	770,10
81,50	h8	30110756	X5	○	830,80
84,50	h8	30110758	X5	○	867,50
87,50	h8	30110760	X5	○	961,50
89,50	h8	30110762	X5	○	961,50
94,50	h8	30110764	X5	○	1243,90
97,50	h8	30110766	X5	○	1243,90
99,50	h8	30110768	X5	○	1243,90

Aufbohrwerkzeuge aus HSS, konfigurierbare Baureihen
Core drills made of HSS, configurable series

Aufbohrer DIN 344 I B050010, mit Zylinderschaft
Core drill DIN 344 I B050010, with cylindrical shank

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
4,700 - 5,200	X5	○	44,70
5,201 - 5,700	X5	○	45,40
5,701 - 6,200	X5	○	45,40
6,201 - 6,700	X5	○	50,40
6,701 - 7,200	X5	○	50,40
7,201 - 7,700	X5	○	57,70
7,701 - 8,200	X5	○	57,70
8,201 - 8,700	X5	○	61,50
8,701 - 9,200	X5	○	61,50
9,201 - 9,700	X5	○	63,70
9,701 - 10,200	X5	○	63,70
10,201 - 10,600	X5	○	77,00
10,601 - 11,200	X5	○	77,00
11,201 - 11,700	X5	○	79,40
11,701 - 12,200	X5	○	79,40
12,401 - 13,200	X5	○	98,20
13,401 - 14,200	X5	○	111,80
14,401 - 15,200	X5	○	121,20
15,401 - 16,200	X5	○	130,80
16,401 - 17,200	X5	○	148,20
17,401 - 18,200	X5	○	161,10
18,401 - 19,200	X5	○	173,80
19,201 - 20,200	X5	○	183,30

Aufbohrer DIN 343 I B050110, mit Morsekegelschaft
Core drill DIN 343 I B050110, with morse taper shank

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
7,600 - 8,200	X5	○	71,60
8,201 - 8,700	X5	○	76,70
8,701 - 9,200	X5	○	76,70
9,201 - 9,700	X5	○	76,70
9,701 - 10,200	X5	○	76,70
10,201 - 10,700	X5	○	76,70
10,701 - 11,200	X5	○	76,70
11,201 - 11,700	X5	○	76,70
11,701 - 12,200	X5	○	76,70
12,201 - 12,700	X5	○	86,90
12,701 - 13,200	X5	○	86,90
13,201 - 13,700	X5	○	88,10
13,701 - 14,200	X5	○	88,10
14,201 - 14,700	X5	○	95,30
14,701 - 15,200	X5	○	95,30
15,201 - 15,700	X5	○	100,70
15,701 - 16,200	X5	○	100,70
16,201 - 16,700	X5	○	103,90
16,701 - 17,200	X5	○	103,90
17,201 - 17,700	X5	○	109,80
17,701 - 18,200	X5	○	109,80
18,201 - 19,200	X5	○	122,40
19,201 - 20,200	X5	○	122,40
20,201 - 21,200	X5	○	138,90
21,201 - 22,200	X5	○	141,00
22,201 - 23,200	X5	○	156,30
23,201 - 24,200	X5	○	161,10
24,201 - 25,200	X5	○	169,00
25,201 - 26,200	X5	○	175,30
26,201 - 27,200	X5	○	197,60
27,201 - 28,200	X5	○	199,30
28,201 - 29,200	X5	○	215,20
29,201 - 30,200	X5	○	221,50
30,201 - 31,200	X5	○	255,10
31,201 - 32,200	X5	○	274,40
32,201 - 33,200	X5	○	288,70
33,201 - 34,200	X5	○	301,30
34,201 - 35,200	X5	○	310,80
35,201 - 36,200	X5	○	331,70
36,201 - 37,200	X5	○	353,80
37,201 - 38,200	X5	○	361,90
38,201 - 39,200	X5	○	382,70
39,201 - 40,200	X5	○	387,40
40,201 - 41,200	X5	○	470,30
41,201 - 42,200	X5	○	489,50
42,201 - 43,200	X5	○	550,00
43,201 - 44,200	X5	○	567,60
44,201 - 45,200	X5	○	575,60
45,201 - 46,200	X5	○	610,60
46,201 - 47,200	X5	○	682,40
47,201 - 48,200	X5	○	706,30
48,201 - 49,200	X5	○	742,80
49,201 - 50,200	X5	○	742,80

Aufsteckaufbohrer DIN 222 I B050310
Shell core drill DIN 222 I B050310

Durchmesser-Bereich d_1 Diameter range d_1	Materialgruppe Material group	Verfügbarkeit Availability	Preis pro Stück € Price per piece €
23,200 - 24,200	X5	○	210,40
24,201 - 25,200	X5	○	210,40
25,201 - 26,200	X5	○	210,40
26,201 - 27,200	X5	○	266,10
27,201 - 28,200	X5	○	266,10
28,201 - 29,200	X5	○	266,10
29,201 - 30,200	X5	○	204,20
30,201 - 31,200	X5	○	221,50
31,201 - 32,200	X5	○	221,50
32,201 - 33,200	X5	○	229,50
33,201 - 34,200	X5	○	229,50
34,201 - 35,200	X5	○	229,50
35,201 - 36,200	X5	○	229,50
36,201 - 37,200	X5	○	245,60
37,201 - 38,200	X5	○	245,60
38,201 - 39,200	X5	○	256,70
39,201 - 40,200	X5	○	256,70
41,201 - 42,200	X5	○	256,70
43,201 - 44,200	X5	○	256,70
44,201 - 45,200	X5	○	256,70
45,201 - 46,200	X5	○	293,50
46,201 - 47,200	X5	○	310,80
47,201 - 48,200	X5	○	310,80
49,201 - 50,200	X5	○	310,80
51,201 - 52,200	X5	○	310,80
54,201 - 55,200	X5	○	323,60
57,201 - 58,200	X5	○	347,70
59,201 - 60,200	X5	○	347,70
61,201 - 62,200	X5	○	371,50

Durchmesser-Bereich d_1 Diameter range d_1	**Materialgruppe** Material group	**Verfügbarkeit** Availability	**Preis pro Stück €** Price per piece €
64,201 - 65,200	X5	○	432,00
67,201 - 68,200	X5	○	602,70
69,201 - 70,200	X5	○	602,70
70,201 - 72,200	X5	○	602,70
74,201 - 75,200	X5	○	610,60
76,201 - 78,200	X5	○	803,70
79,201 - 80,200	X5	○	803,70
81,201 - 82,200	X5	○	864,10
84,201 - 85,200	X5	○	900,90
86,501 - 88,200	X5	○	994,80
88,501 - 90,200	X5	○	994,80
93,501 - 95,200	X5	○	1277,20
96,501 - 98,200	X5	○	1277,20
98,501 - 100,200	X5	○	1277,20

d_1	**Produkt-parameter** Product-Parameter	**Bestell-Nr.** Order No.	**Material-gruppe** Material group	**Verfüg-barkeit** Availa-bility	**Preis pro Stück €** Price per piece €
Zubehör für Aufsteckaufbohrer Accessories for shell core drills					
Aufsteckhalter I B031610, B031611, B031612 Core drill holder I B031610, B031611, B031612					
13,00	MK3	30107905	X3	●	78,60
16,00	MK3	30107907	X3	●	88,00
19,00	MK4	30107909	X3	●	104,00
22,00	MK4	30107911	X3	●	129,80
27,00	MK5	30107913	X3	●	191,80
32,00	MK5	30107915	X3	●	229,80
40,00	MK5	30107917	X3	●	291,90
50,00	MK5	30107919	X3	●	424,30
19,00	MK3	30107921	X3	●	101,40
22,00	MK3	30107923	X3	●	132,90
27,00	MK4	30107925	X3	●	189,40
32,00	MK4	30107927	X3	●	227,70
Mitnahmeringe I B031511 Driving rings I B031511					
f.D.13 mm		10071606	28	●	23,60
f.D.16 mm		10071607	28	●	26,50
f.D.19 mm		10071608	28	●	30,40
f.D.22 mm		10071609	28	●	37,10
f.D.27 mm		10071610	28	●	45,00
f.D.32 mm		10073078	28	●	52,50
f.D.40 mm		10073077	28	●	90,00
f.D.50 mm		10071611	28	●	119,80
Abdrückmuttern I B031512 Release nuts I B031512					
f.D.13 mm		10071612	28	●	7,30
f.D.16 mm		10071613	28	●	9,60
f.D.19 mm		10071614	28	●	10,70
f.D.22 mm		10071615	28	●	14,80
f.D.27 mm		10071616	28	●	21,70
f.D.32 mm		10071617	28	●	25,30
f.D.40 mm		10071618	28	●	26,50
f.D.50 mm		10071619	28	●	50,50
Scheibenfedern I B031513 Washers I B031513					
f.D.13 mm		10004044	28	●	1,20
f.D.16 mm		10070184	28	●	1,20
f.D.19 mm		10002907	28	●	1,20
f.D.22/27 mm		10070185	28	●	1,20
f.D.32 mm		10070186	28	●	2,10
f.D.40/50 mm		10002911	28	●	4,30

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Kompetenz und Erfahrung aus über 100 Jahren machen BECK zum zuverlässigen Spezialisten bei der Feinbearbeitung von Bohrungen. Das umfangreiche Standardprogramm umfasst Reib- und Senkwerkzeuge sowie Hochleistungsreibahlen in höchster Qualität und Präzision. Schneidstoffe werden aus HSS, VHM und Cermet aber auch aus PKD und PcBN angeboten. BECK Produkte zeichnen sich zudem durch Leistungsstärke und Wirtschaftlichkeit als entscheidende Argumente für den Handel aus.

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Der Spezialist für innovative Werkzeugaufnahmen heißt WTE. Das umfangreiche Produktprogramm aus Präzisionsbohrfutter, Hydrodehnspannfutter, Schrumpffutter, HPH-Universalspannfutter sowie Mikrospannfutter erfüllt jede Anforderung hochgenauer und moderner Zerspanungsanforderungen. Präzision und Qualität gepaart mit hoher Kompetenz beschreiben die WTE als zuverlässigen Spanntechnikpartner für den Handel.

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One of the largest and most modern factories for solid carbide tools in Europe produces drills and end-mills that have yet to find their equal. Because when it comes to high-precision standard solutions for drilling and milling, MILLER is the acknowledged specialist. The diverse programme line consists of solid carbide tools for almost any application. Know-how, quality and focus on retail business are the features that best describe our company and our products.

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WTE is the specialist in innovative tool adapters. The extensive product line of Precision Drill Chucks, Hydraulic Chucks, Shrink Chucks, HPH Universal Chucks and MICRO Chucks fills every need for modern high-precision machining. WTE stands for precision and quality combined with high competence as a reliable clamping systems partner for your retail business.

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