

## Handreibahlen DIN 206 B HSS, drallgenutet



## Hand Reamers DIN 206 B of HSS, spiral fluted

**Ausführung:** Mit Linksspirale 7-8° und langem Anschnitt, Toleranz H7.

**Werkstoff:** Hochleistungs-Schnell-Stahl ( HSS )

**Einsatz:** Für Durchgangsbohrungen

**Verpackung:** Einzeln, in Plastikbox

**Specification:** left hand spiral 7-8° and long start, tolerance H 7

**Material:** Super High Speed Steel ( HSS)

**Application:** f for through holes

**Packing:** individual in plastic box

Art.-Nr. Art.No.	D1 mm	L1 mm	L2 mm	D2 mm	€uro Stück/pc
70120300	3,0	62	31	2,24	11,78
70120350	3,5	71	35	2,80	11,78
70120400	4,0	76	38	3,15	11,78
70120450	4,5	81	41	3,55	11,90
70120500	5,0	87	44	4,00	12,29
70120550	5,5	93	47	4,50	12,29
70120600	6,0	93	47	4,50	12,42
70120650	6,5	100	50	5,00	13,76
70120700	7,0	107	54	5,60	13,76
70120750	7,5	107	54	5,60	14,27
70120800	8,0	115	58	6,30	14,27
70120850	8,5	115	58	6,30	14,85
70120900	9,0	124	62	7,10	15,87
70120950	9,5	124	62	7,10	16,32
70121000	10,0	133	66	8,00	16,45
70121100	11,0	142	71	9,00	18,30
70121200	12,0	152	76	10,00	20,42
70121300	13,0	152	76	10,00	29,12
70121400	14,0	163	81	11,20	32,58
70121500	15,0	163	81	11,20	34,05
70121600	16,0	175	87	12,50	34,82
70121700	17,0	175	87	12,50	36,42
70121800	18,0	188	93	14,00	40,45
70121900	19,0	188	93	14,00	42,30
70122000	20,0	201	100	16,00	44,29

D1= Durchmesser ; L1= Gesamtlänge ; L2= Schneidenlänge ; D2= Schaft  
D1= diameter ; L1= total length ; L2= cutting length ; D2= shank

## Handreibahlen DIN 206 B HSS, drallgenutet (Fortsetzung)



## Hand Reamers DIN 206 B of H S S, spiral fluted (continued)

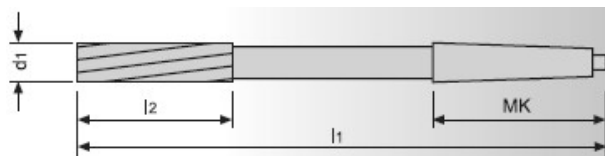
Art.-Nr. Art.-No.	D1 mm	L1 mm	L2 mm	D2 mm	€uro Stück/pc
70122200	22,0	215	107	18,00	48,32
70122400	24,0	231	115	20,00	58,94
70122500	25,0	231	115	20,00	60,29
70122600	26,0	231	115	20,00	62,98
70122800	28,0	247	124	22,40	82,43
70123000	30,0	247	124	22,40	86,72
70123200	32,0	265	133	25,00	95,23
70123400	34,0	284	142	28,00	115,78
70123500	35,0	284	142	28,00	116,54
70123600	36,0	284	142	28,00	126,72
70123800	38,0	305	152	31,50	138,43
70124000	40,0	305	152	31,50	142,14

D1= Durchmesser ; L1=Gesamtlänge ; L2=Schneidenlänge ; D2=Schaft  
D1= diameter ; L1= total length ; L2= cutting length ; D2= shank

## Maschinen-Reibahlen DIN 208 HSS-E, spiralgenutet



## machine reamers DIN 208 HSS-E, spiral fluted



**Form B, Passung H7**

rechtsschneidend

**Morsekegel**

spiralgenutet, kurzer 45° Anschnitt

**Werkstoff: HSS/E**

**Type B, tolerance class H7**

R.H

**MT-shank**

spiral fluted, short start 45°

**Material: HSS/E**

Bestellnr. oder no.	d1 H7 mm	l2 mm	l1 mm	Schaft/shank MK/MT	Anz. d. Scheiden number of cutters	€ Stück/pc
1610050030	3,0*	15,0	112,0	1	6	25,34
1610050040	4,0*	19,0	125,0	1	6	24,36
1610050050	5,0	23,0	133,0	1	6	24,36
1610050060	6,0	26,0	138,0	1	6	24,36
1610050070	7,0	31,0	150,0	1	6	25,83
1610050080	8,0	33,0	156,0	1	6	25,83
1610050090	9,0	36,0	162,0	1	6	28,98
1610050100	10,0	38,0	168,0	1	6	21,84
1610050110	11,0	41,0	175,0	1	6	24,36
1610050120	12,0	44,0	182,0	1	6	24,01
1610050130	13,0	44,0	182,0	1	8	25,13
1610050140	14,0	47,0	189,0	1	8	25,48
1610050150	15,0	50,0	204,0	2	8	30,94
1610050160	16,0	52,0	210,0	2	8	31,29
1610050170	17,0	54,0	214,0	2	8	33,60
1610050180	18,0	56,0	219,0	2	8	34,93
1610050190	19,0	58,0	223,0	2	8	37,10
1610050200	20,0	60,0	228,0	2	8	37,10
1610050210	21,0	62,0	232,0	2	8	41,65
1610050220	22,0	64,0	237,0	2	8	41,65
1610050230	23,0	66,0	241,0	2	8	48,02
1610050240	24,0	68,0	268,0	3	10	49,14
1610050250	25,0	68,0	268,0	3	10	50,96
1610050260	26,0	70,0	273,0	3	10	54,60
1610050270	27,0	71,0	277,0	3	10	60,06
1610050280	28,0	71,0	277,0	3	10	60,06
1610050290	29,0	73,0	281,0	3	10	67,69
1610050300	30,0	73,0	281,0	3	10	62,23

\* in DIN-Norm nicht enthalten / \* no standard according to DIN

**Maschinen-Reibahlen DIN 208  
HSS-E, spiralgenutet  
(Fortsetzung)**

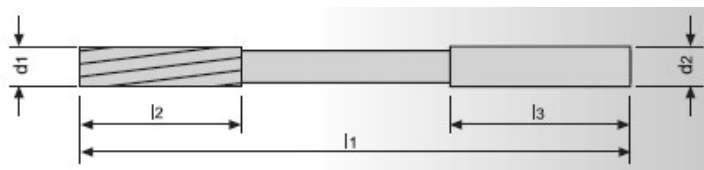
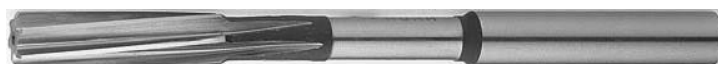


**machine reamers DIN 212  
HSS-E, spiral fluted  
(continued)**

Bestellnr. oder no.	d1 H7 mm	l2 mm	l1 mm	Schaft/shank MK/MT	Anz. d. Scheiden number of cutters	€ Stück/pc
1610050320	31,0	75,0	285,0	3	12	80,08
1610050320	32,0	77,0	317,0	4	12	81,55
1610050330	33,0	77,0	317,0	4	12	91,35
1610050340	34,0	78,0	321,0	4	12	91,35
1610050350	35,0	78,0	321,0	4	12	91,35
1610050360	36,0	79,0	325,0	4	12	99,40
1610050370	37,0	79,0	325,0	4	12	109,20
1610050380	38,0	81,0	329,0	4	12	109,20
1610050390	39,0	81,0	329,0	4	12	134,33
1610050400	40,0	81,0	329,0	4	14	109,90
1610050420	42,0	82,0	333,0	4	14	120,68
1610050440	44,0	83,0	336,0	4	14	141,68
1610050450	45,0	83,0	336,0	4	14	143,08
1610050460	46,0	84,0	340,0	4	14	169,54
1610050500	50,0	86,0	344,0	4	14	180,18

## Maschinen-Reibahlen DIN 212 HSS-E, spiralgenutet

### machine reamers DIN 212 HSS-E, spiral fluted



#### Form B/D, Passung H7

rechtsschneidend

spiralgenutet, lange Schneiden

Zylinderschaft

Herstellungstoleranzen nach DIN 1420,

spanraumgeschliffene Ausführung

#### Werkstoff: HSS-E

zum Reiben von Durchgangsbohrungen,  
ab 3,8 mm auch für Sacklochbohrungen geeignet

#### Type B/D, tolerance class H7

R.H.

spiral fluted, long cutters

cyl. shank

manuf. tolerance to DIN 1420

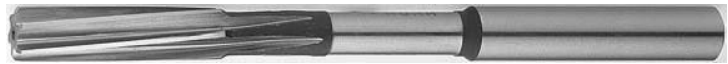
flutes ground

#### material: HSS-E

for reaming of through holes, as  
from diam. 3.8 mm also for blind holes

Bestellnr. oder no.	d1 H7 mm	l2 mm	l1 mm	d2 mm	Anz. d. Schneiden number of cutters	€ Stück/pc
1610010014	1,4	8,0	40,0	1,4	3	10,92
1610010015	1,5	8,0	40,0	1,5	3	10,08
1610010016	1,6	9,0	43,0	1,6	3	10,92
1610010018	1,8	10,0	46,0	1,8	4	10,92
1610010020	2,0	11,0	49,0	2	4	9,45
1610010022	2,2	12,0	53,0	2,2	4	11,48
1610010025	2,5	14,0	57,0	2,5	4	9,45
1610010028	2,8	15,0	61,0	2,8	4	12,04
1610010030	3,0	15,0	61,0	3	6	8,75
1610010032	3,2	16,0	65,0	3,2	6	11,27
1610010035	3,5	18,0	70,0	3,5	6	10,22
1610010040	4,0	19,0	75,0	4	6	9,45
1610010045	4,5	21,0	80,0	4,5	6	10,08
1610010050	5,0	23,0	86,0	5	6	10,08
1610010055	5,5	26,0	93,0	5,6	6	12,18
1610010060	6,0	26,0	93,0	5,6	6	10,36
1610010065	6,5	28,0	101,0	6,3	6	12,53
1610010070	7,0	31,0	109,0	7,1	6	12,53
1610010080	8,0	33,0	117,0	8	6	13,09
1610010090	9,0	36,0	125,0	9	6	14,91
1610010100	10,0	38,0	133,0	10	6	14,91

**Maschinen-Reibahlen DIN 212**  
**HSS, spiralgenutet**  
**(Fortsetzung)**



**machine reamers DIN 212**  
**HSS, spiral fluted**  
**(continued)**

Bestellnr. oder no.	d1 H7 mm	l2 mm	l1 mm	d2 mm	Anz. d. Schneiden number of cutters	€ Stück/pc
1610010110	11,0	41,0	142,0	10	6	21,14
1610010120	12,0	44,0	151,0	10	6	22,19
1610010130	13,0	44,0	151,0	10	8	25,13
1610010140	14,0	47,0	160,0	10	8	25,48
1610010150	15,0	50,0	162,0	12,5	8	26,18
1610010160	16,0	52,0	170,0	12,5	8	27,30
1610010170	17,0	54,0	175,0	12,5	8	32,76
1610010180	18,0	56,0	182,0	14	8	33,32
1610010190	19,0	58,0	189,0	16	8	39,69
1610010200	20,0	60,0	195,0	16	8	37,87
1610010210	21,0	55,0	215,0	18	8	77,91
1610010220	22,0	55,0	225,0	18	8	76,44
1610010230	23,0	60,0	230,0	18	8	91,00
1610010240	24,0	60,0	240,0	20	10	100,45
1610010250	25,0	60,0	245,0	20	10	101,92
1610010260	26,0	60,0	250,0	20	10	107,03
1610010270	27,0	60,0	260,0	22	10	129,57
1610010280	28,0	65,0	270,0	22	10	132,51
1610010290	29,0	65,0	270,0	22	10	161,63
1610010300	30,0	70,0	280,0	24	10	161,63
1610010310	31,0	70,0	290,0	24	10	195,44
1610010320	32,0	70,0	290,0	24	10	182,00

## Vollhartmetall Maschinen-Reibahlen, kurz aus Schweizer-Feinkorn-Hartmetall mit 10% Cobalt

### Solid Carbide machine reamers, short type of Swiss fine grain carbide with 10% Cobalt

- nach Werksnorm, spiralgenutet
  - Schaft DIN 6535 HA Zyl.
  - unbeschichtet und AlTiN mehrlagig beschichtet
  - mit Kühlkanal im Zentrum
  - geeignet für: INOX, GG, AL, CU  
Titan, <52HRC
- to factory standard, spiral fluted
  - shank to DIN 6535 HA cyl.
  - uncoated or coated with AlTiN multi-layer
  - with internal coolant supply in center
  - suitable for: INOX, GG, AL, CU  
Titan, <52HRC



d1 (H7)	L2	L1	d2 (h6)	Z	unbeschichtet		Stück piece	beschichtet		Stück piece
					Art.-Nr./ Art.-No.	Art.-No. uncoated		Art.-Nr./ Art.-No.	Art.-No. coated	
3	14	40	3	4	853000003		22,85 €	853100003		24,82 €
4	18	50	4	4	853000004		26,11 €	853100004		28,29 €
5	20	50	5	6	853000005		31,76 €	853100005		33,18 €
6	20	57	6	6	853000006		38,62 €	853100006		40,53 €
7	22	57	7	6	853000007		49,71 €	853100007		52,70 €
8	24	63	8	6	853000008		55,96 €	853100008		59,23 €
9	24	63	9	6	853000009		62,83 €	853100009		67,86 €
10	24	72	10	6	853000010		69,36 €	853100010		74,39 €
11	24	72	11	6	853000011		77,11 €	853100011		81,74 €
12	24	83	12	6	853000012		94,66 €	853100012		99,89 €
13	24	83	13	6	853000013		104,72 €	853100013		109,68 €
14	24	83	14	6	853000014		110,70 €	853100014		115,40 €
15	24	83	15	6	853000015		134,91 €	853100015		141,64 €
16	24	92	16	8	853000016		142,80 €	853100016		149,87 €
18	24	92	18	8	853000018		159,26 €	853100018		167,35 €
20	24	104	20	8	853000020		179,52 €	853100020		187,82 €