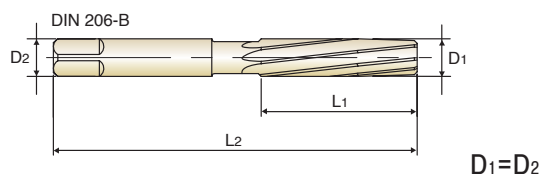


## HSS, HAND REAMERS - LH SPIRAL FLUTES

### HSS, HANDREIBAHLEN - SPIRALGENUTET mit LINKSDRALL

- ▶ O.D. Tolerances : DIN 1420, H7
- ▶ Shank Diameter  $\approx$  Nominal Reamer Diameter
- ▶ LH Spiral Flutes / Right Hand Cut
- ▶ Chamfer Angle - tapered
- ▶ Type of center - Up to  $\varnothing 3.75$  : external centers  
- Over  $\varnothing 3.75$  : internal centers

- ▶ Schneiden- $\varnothing$  Toleranzen : DIN 1420 für H7
- ▶ Schaft- $\varnothing$  = Nomineller Reibahlen- $\varnothing$
- ▶ Spiralgenutet mit Linksdraht / Rechtsschneident
- ▶ Anschnittwinkel - Konisch
- ▶ Zentrierungsart - bis  $\varnothing 3,75$  mm : Zentrierungszapfen  
- über  $\varnothing 3,75$  mm : Zentrierung



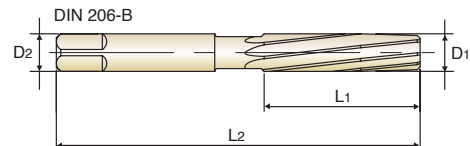
Unit : mm

EDP No.	Nominal SIZE	Flute Length	Overall Length	No. of Flutes
	D	L1	L2	
K115300200	2.0	25	50	4
K115300220	2.2	27	54	4
K115300250	2.5	29	58	4
K115300280	2.8	31	62	4
K115300300	3.0	31	62	6
K115300320	3.2	33	66	6
K115300350	3.5	35	71	6
K115300400	4.0	38	76	6
K115300450	4.5	41	81	6
K115300500	5.0	44	87	6
K115300550	5.5	47	93	6
K115300600	6.0	47	93	6
K115300700	7.0	54	107	6
K115300800	8.0	58	115	6
K115300900	9.0	62	124	6
K115301000	10.0	66	133	6
K115301100	11.0	71	142	6
K115301200	12.0	76	152	6
K115301300	13.0	76	152	6
K115301400	14.0	81	163	8
K115301500	15.0	81	163	8
K115301600	16.0	87	175	8
K115301700	17.0	87	175	8
K115301800	18.0	93	188	8
K115301900	19.0	93	188	8
K115302000	20.0	100	201	8
K115302200	22.0	107	215	8
K115302400	24.0	115	231	8

**HSS, HAND REAMERS - LH SPIRAL FLUTES**
**HSS, HANDREIBAHLEN - SPIRALGENUTET mit LINKSDRALL**

- ▶ O.D. Tolerances : DIN 1420, H7
- ▶ Shank Diameter  $\approx$  Nominal Reamer Diameter
- ▶ LH Spiral Flutes / Right Hand Cut
- ▶ Chamfer Angle - tapered
- ▶ Type of center - Up to  $\varnothing 3.75$  : external centers  
- Over  $\varnothing 3.75$  : internal centers

- ▶ Schneiden- $\varnothing$  Toleranzen : DIN 1420 für H7
- ▶ Schaft- $\varnothing$  = Nomineller Reibahlen- $\varnothing$
- ▶ Geradegenutet / Rechtsschneident
- ▶ Anschnittwinkel - Konisch
- ▶ Zentrierungsart - bis  $\varnothing 3,75$  mm : Zentrierungszapfen  
- über  $\varnothing 3,75$  mm : Zentrierung


 $D_1 = D_2$ 

**Hole type**


Unit : mm

EDP No.	Nominal SIZE	Flute Length	Overall Length	No. of Flutes
	D	L1	L2	
K115302500	25.0	115	231	8
K115302600	26.0	115	231	8
K115302700	27.0	124	247	10
K115302800	28.0	124	247	10
K115302900	29.0	124	247	10
K115303000	30.0	124	247	10
K115303100	31.0	133	265	10
K115303200	32.0	133	265	10
K115303300	33.0	133	265	10
K115303400	34.0	142	284	10
K115303500	35.0	142	284	10
K115303600	36.0	142	284	10
K115303700	37.0	142	284	10
K115303800	38.0	152	305	10
K115303810	38.1	152	305	10
K115303900	39.0	152	305	10
K115304000	40.0	152	305	10
K115304100	41.0	152	305	12
K115304200	42.0	152	305	12
K115304300	43.0	163	326	12
K115304400	44.0	163	326	12
K115304500	45.0	163	326	12
K115304600	46.0	163	326	12
K115304700	47.0	163	326	12
K115304800	48.0	174	347	12
K115304900	49.0	174	347	12
K115305200	52.0	174	347	12
K115306000	60.0	184	367	12

**HSS-E, STRAIGHT & LH SPIRAL FLUTE CHUCKING REAMER, NC MACHINE REAMER**  
**HSS-E, GERADEGENUTETE MASCHINENREIBAHLEN, SPIRALGENUTETE MASCHINENREIBAHLEN**

Material	Cutting Speed (m/min.)	Feed(mm/rev.)					
		Ø2 ~ Ø4	Ø4 ~ Ø8	Ø8 ~ Ø13	Ø13 ~ Ø20	Ø20 ~ Ø30	> Ø30
Steels < 500N/mm <sup>2</sup>	12 ~ 16	0.05~0.15	0.10~0.20	0.15~0.25	0.20~0.30	0.25~0.40	0.35~0.50
Steels 500-700N/mm <sup>2</sup>	10 ~ 12	0.05~0.15	0.10~0.20	0.15~0.25	0.20~0.30	0.25~0.40	0.35~0.50
Steels 700-800N/mm <sup>2</sup>	6 ~ 8	0.05~0.10	0.08~0.16	0.10~0.20	0.15~0.25	0.20~0.30	0.30~0.40
Alloy Steel or Carbon Steel castings < 500N/mm <sup>2</sup>	6 ~ 10	0.05~0.10	0.08~0.16	0.10~0.20	0.15~0.25	0.20~0.30	0.30~0.40
Alloy Steel or Carbon Steel castings > 500N/mm <sup>2</sup>	4 ~ 6	0.05~0.10	0.08~0.16	0.10~0.20	0.15~0.25	0.20~0.30	0.30~0.40
Alloy Steel or Carbon Steel forgings	4 ~ 6	0.03~0.08	0.06~0.10	0.08~0.15	0.10~0.20	0.15~0.25	0.20~0.30
Cast Iron < 200HB	12 ~ 14	0.05~0.15	0.10~0.20	0.15~0.25	0.20~0.30	0.25~0.40	0.35~0.50
Cast Iron > 200HB	10 ~ 12	0.05~0.10	0.08~0.16	0.10~0.20	0.15~0.25	0.20~0.30	0.30~0.40
Aluminum or Aluminum Alloy	16 ~ 20	0.10~0.20	0.15~0.25	0.20~0.30	0.25~0.40	0.35~0.50	0.40~0.60
Magnesium or Magnesium Alloy	10 ~ 16	0.10~0.20	0.15~0.25	0.20~0.30	0.25~0.40	0.35~0.50	0.40~0.60
Copper, Brass	16 ~ 18	0.10~0.20	0.15~0.25	0.20~0.30	0.25~0.40	0.35~0.50	0.40~0.60
Stainless Steels	4 ~ 6	0.03~0.08	0.06~0.10	0.08~0.15	0.10~0.20	0.15~0.25	0.20~0.30
Plastics	8 ~ 12	0.10~0.20	0.20~0.30	0.30~0.40	0.40~0.50	0.50~0.60	0.60~0.80

**HSS-E, CHUCKING REAMER-QUICK SPIRAL**  
**HSS-E, MASCHINEN - SCHÄLREIBAHLEN**

Material	Cutting Speed (m/min.)	Feed(mm/rev.)			
		Ø2 ~ Ø4	Ø4 ~ Ø8	Ø8 ~ Ø13	Ø13 ~ Ø20
Steels < 500N/mm <sup>2</sup>	16 ~ 18	0.08~0.16	0.16~0.25	0.20~0.30	0.30~0.40
Steels 500-700N/mm <sup>2</sup>	14 ~ 16	0.08~0.16	0.16~0.25	0.20~0.30	0.30~0.40
Aluminum or Aluminum Alloy	18 ~ 22	0.10~0.20	0.20~0.30	0.30~0.40	0.40~0.60
Magnesium or Magnesium Alloy	10 ~ 16	0.08~0.16	0.16~0.25	0.20~0.30	0.30~0.40
Copper, Brass	16 ~ 20	0.08~0.16	0.16~0.25	0.20~0.30	0.30~0.40
Plastics	12 ~ 14	0.10~0.20	0.20~0.30	0.30~0.40	0.40~0.60