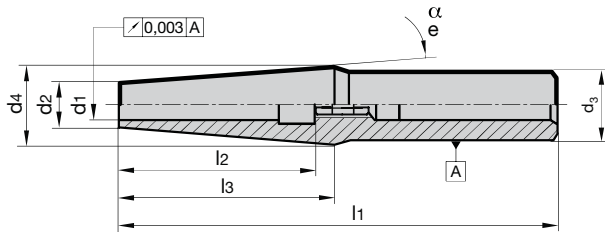
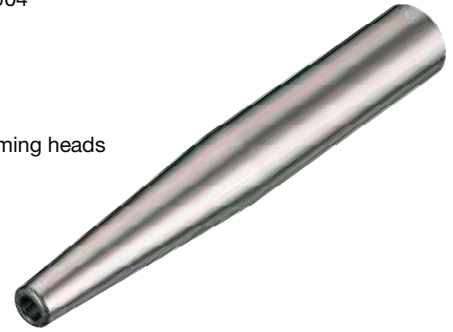


Product information

- for clamping in hydraulic chucks or shrink fit chucks
- suitable for internal cooling
- we recommend the use of special cooling adaptors Series no. 4419
- for carbide tool shanks in tolerance h6 (from d1 14 mm also HSS possible)
- concentricity
up to l1 125 mm < 0,003 mm
up to l1 200 mm < 0,005 mm
up to l1 250 mm < 0,007 mm

Scope of delivery

- incl. setting screw, Series no. 4977 or 4904
- special dimensions on request
- * Type „HR“ designed for HR 500 T Reaming heads



												Series no.	4719
for shank Ø d1 h6 mm	d2 h6 mm	d3 mm	d4 mm	l1 mm	l2 mm	l3 mm	incl. setting screw art. no. EDP #	kg	β	type	Code no.	EDP Number	
3	16	7	16	115	30	-	9049040050160	4	-	-	3.016	9047190030160	
4	16	7	16	115	35	-	9049040060160	4	-	-	4.016	9047190040160	
5	16	8	16	115	40	-	9049040080180	4	-	-	5.016	9047190050160	
6	16	10	16	115	36	-	9049770060140	4	-	-	6.016	9047190060160	
8	16	12	16	115	36	-	9049770080140	4	-	-	8.016	9047190080160	
10	16	14	16	115	41	-	9049770100140	4	-	-	10.016	9047190100160	
12	16	16	23.2	115	46	-	9049770120140	4	-	-	12.016	9047190120160	
3	20	7	16.1	115	30	-	9049040050160	4	-	-	3.020	9047190030200	
4	20	8	17.1	115	35	-	9049040060160	4	-	-	4.020	9047190040200	
5	20	9	18.1	115	40	-	9049040080180	4	-	-	5.020	9047190050200	
6	20	10	19.1	115	36	-	9049770060140	4	-	-	6.020	9047190060200	
8	20	12	20	115	36	-	9049770080140	4	-	-	8.020	9047190080200	
10	20	14	20	115	41	-	9049770100140	4	-	-	10.020	9047190100200	
12	20	16	20	115	46	-	9049770120140	4	-	-	12.020	9047190120200	
14	20	20	28.8	150	46	-	9049770120140	4	-	-	14.020	9047190140200	
3	20	10	20	160	30	-	9049040050160	4	-	-	3.120	9047190031200	
4	20	10	20	160	35	-	9049040060160	4	-	-	4.120	9047190041200	
5	20	10	20	160	40	-	9049040080180	4	-	-	5.120	9047190051200	
6	20	14	20	160	36	-	9049770060140	4	-	-	6.120	9047190061200	
8	20	14	20	160	36	-	9049770080140	4	-	-	8.120	9047190081200	
10	25	20	25	160	41	-	9049770100140	4	-	-	10.125	9047190101250	
12	25	20	25	160	46	-	9049770120140	4	-	-	12.125	9047190121250	
14	25	20	28.8	150	46	-	9049770120140	4	-	-	14.025	9047190140250	
14	25	20	29	160	46	-	9049770120140	4	-	-	14.125	9047190141250	
16	25	24	33	160	49	-	9049770160140	4	-	-	16.125	9047190161250	
16	25	22	33	150	49	-	9049770160140	4	-	-	16.125	9047190160250	
18	32	27	32	160	49	-	9049770160140	4	-	-	18.132	9047190181320	
20	32	27	32	160	51	-	9049770201140	4	-	-	20.132	9047190201320	

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												Series no.	4719
for shank Ø d ₁ h ₆ mm	d ₂ h ₆ mm	d ₃ mm	d ₄ mm	l ₁ mm	l ₂ mm	l ₃ mm	incl. setting screw art. no. EDP #	kg	β	type	Code no.	EDP Number	
3	20	10	20	200	30	-	9049040050160	4	-	-	3.220	9047190032200	
4	20	10	20	200	35	-	9049040060160	4	-	-	4.220	9047190042200	
5	20	10	20	200	40	-	9049040080180	4	-	-	5.220	9047190052200	
6	20	14	20	200	36	-	9049770060140	4	-	-	6.220	9047190062200	
8	20	14	20	200	36	-	9049770080140	4	-	-	8.220	9047190082200	
10	25	20	25	200	41	-	9049770100140	4	-	-	10.225	9047190102250	
12	25	20	25	200	46	-	9049770120140	4	-	-	12.225	9047190122250	
14	32	20	32	200	46	-	9049770160140	4	-	-	14.232	9047190142320	
16	32	24	32	200	49	-	9049770160140	4	-	-	16.232	9047190162320	
18	32	27	32	200	49	-	9049770200140	4	-	-	18.232	9047190182320	
20	32	27	32	200	51	-	9049770201140	4	-	-	20.232	9047190202320	
6	12	10	12	125	38	-	-	3	HR	HR	6.012	9047190060120	
8	14	12	14	125	38	-	-	3	HR	HR	8.014	9047190080140	
10	16	14	16	160	42	-	-	3	HR	HR	10.116	9047190101160	
12	20	16	20	160	47	-	-	3	HR	HR	12.120	9047190121200	
16	25	22	25	160	50	-	-	3	HR	HR	16.225	9047190162250	
20	32	27	32	160	52	-	-	3	HR	HR	20.332	9047190203320	
6	12	10	12.2	200	38	47	-	3	HR	HR	6.312	9047190063120	
8	14	12	14.2	200	38	47	-	3	HR	HR	8.314	9047190083140	
10	16	14	16.2	250	42	50	-	3	HR	HR	10.316	9047190103160	
12	20	16	20.2	250	47	52	-	3	HR	HR	12.320	9047190123200	
16	25	22	25.2	250	50	58	-	3	HR	HR	16.325	9047190163250	
20	32	27	32.2	250	52	62	-	3	HR	HR	20.342	9047190203420	

Type "HR" designed for HR 500 T Reaming heads