

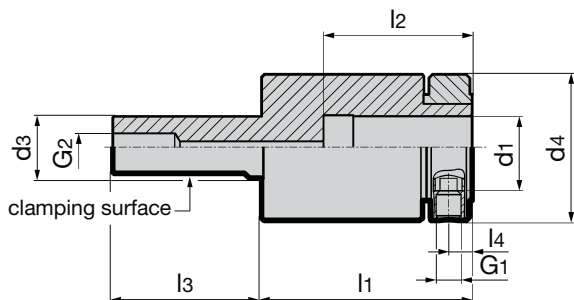
Floating holders with side lock holder

Product information

- straight shank d_3 with whistle notch flat
- suitable for conventional and high performance multi-fluted reamers, because of no angle compensation
- central coolant supply max. 80 bar
- drive flat on tool shank necessary
- for tool shank tolerance h6

Scope of delivery

- for other shank \varnothing order reduction sleeves Series no. 4095 separately
- order hexagon chuck key Series no. 4912 separately
- further sizes with differing radial play are available on request
- compensates lateral deviation between tool and workpiece
- vibration-free compensation of concentricity and misalignment



Series no. **4167**

d_3 g6 mm	for holder d_1 h6 mm	recommen- ded tool- \varnothing	d_4 mm	l_1 mm	l_2 mm	l_3 mm	l_4 mm	G_1	G_2	radial play	Code no.	EDP Number
20	20	up to \varnothing 28	49	75	50	50	9.5	M8	1/8	0.12	20.020	9041670200200
25	25	\varnothing 10 - \varnothing 36	59	85	60	60	9.5	M10	1/4	0.12	25.025	9041670250250
32	32	\varnothing 16 - \varnothing 60	80	92	63	80	12.5	M12	3/8	0.12	32.032	9041670320320

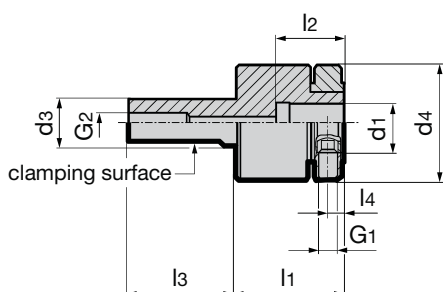
Short floating holders with side lock holder

Product information

- straight shank d_3 with whistle notch flat
- suitable for conventional and high performance multi-fluted reamers, because of no angle compensation
- central coolant supply max. 80 bar
- drive flat on tool shank necessary
- for tool shank tolerance h6

Scope of delivery

- for other shank \varnothing order reduction sleeves Series no. 4095 separately
- order hexagon chuck key Series no. 4912 separately
- further sizes with differing radial play are available on request
- compensates lateral deviation between tool and workpiece
- vibration-free compensation of concentricity and misalignment



Holders for
 fine machining

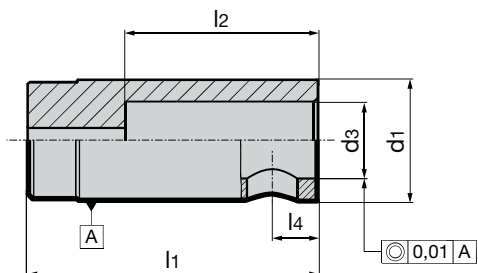
Series no. **4169**

d_3 g6 mm	for holder d_1 h6 mm	recommen- ded tool- \varnothing	d_4 mm	l_1 mm	l_2 mm	l_3 mm	l_4 mm	G_1	G_2	radial play	Code no.	EDP Number
20	10	up to \varnothing 14	38.5	46	25	40	6	M6	1/8	0.08	10.020	9041690100200
20	16	up to \varnothing 22	49	46	29	46	7	M6	1/8	0.10	16.020	9041690160200
20	20	up to \varnothing 28	49	46	29	46	7	M6	1/8	0.12	20.020	9041690200200

Reduction sleeves for floating holder

Product information

- for reducing the clamping diameter in floating holders
 - central coolant supply
 - drive flat on tool shank necessary
 - applicable in floating holders
- Series no. 4167 and 4117



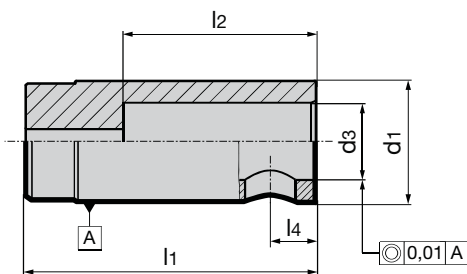
Series no. **4095**

d1 mm	for shank Ø d3 h6 mm	l1 mm	l2 mm	l4 mm	Code no.	EDP Number
20	14	50	40	9.5	14.020	9040950140200
20	16	50	40	9.5	16.020	9040950160200
25	16	60	40	9.5	16.025	9040950160250
25	18	60	40	9.5	18.025	9040950180250
25	20	60	50	9.5	20.025	9040950200250
32	20	63	50	12.5	20.032	9040950200320
32	25	63	60	12.5	25.032	9040950250320

Reduction sleeves for short floating holder

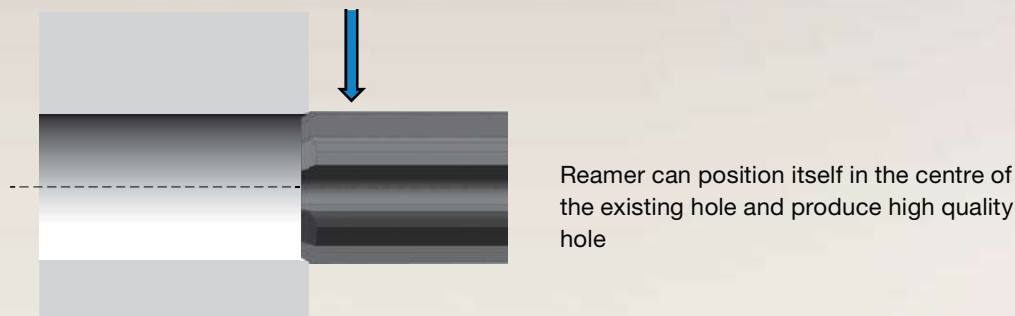
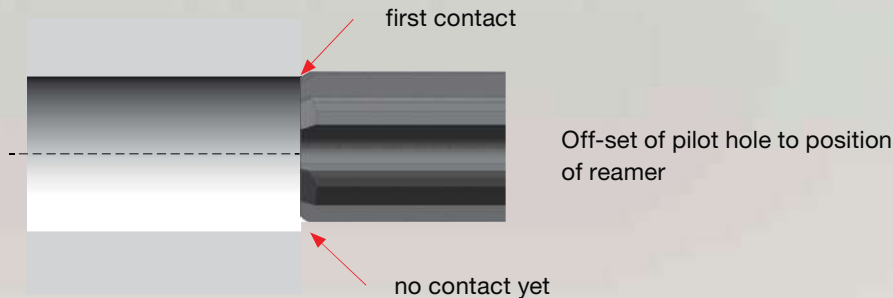
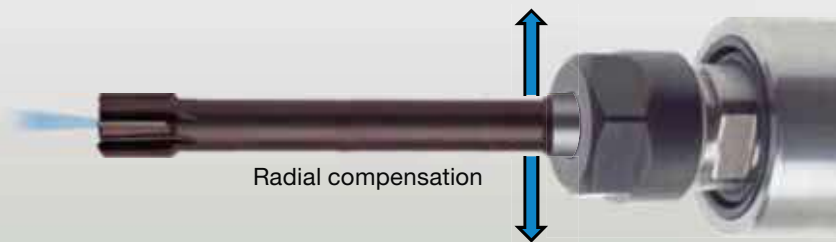
Product information

- for reducing the clamping diameter in floating holders
 - central coolant supply
 - drive flat on tool shank necessary
 - applicable in short floating holders
- Series no. 4169



Series no. **4096**

d1 mm	for shank Ø d3 h6 mm	l1 mm	l2 mm	l4 mm	Code no.	EDP Number
10	4	25	10	6.0	4.010	9040960040100
10	6	25	-	6.0	6.010	9040960060100
10	8	25	20	6.0	8.010	9040960080100
16	10	29	25	7.0	10.016	9040960100160
16	12	29	25	7.0	12.016	9040960120160
20	12	29	25	7.0	12.020	9040960120200
20	14	29	25	7.0	14.020	9040960140200
20	16	29	25	7.0	16.020	9040960160200



Floating holder for perfect HPC reaming

For the fine machining of holes the matching of pilot hole with the tool axis is a pre-requisite for the perfect functioning of the reamer. Floating holders serve to compensate the lateral off-set between tool and pilot hole. This off-set is usually created by machining with multiple clamping operations, cycle and positioning errors during tool and workpiece changes as well as by alignment errors on turning machines. As our floating holders have been designed for high-speed reaming operations, we consciously dispense of angle compensation. This improves the clamping rigidity. When the radial play is excessive upon entry into the pilot hole the reamer is subjected to high stresses. Crumbling of the edges is the consequence. Limited radial play on our floating holders compensates for any possible vibration even at high speeds.

Coolant ducts integrated in the floating holder ensure the reamer is optimally supplied with cooling lubricant. Longer hole tolerance compliancy and tool life are the result. Higher economic efficiency thanks to cost and time saving is guaranteed.