

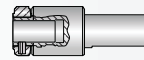
Floating Holder with Roll-Technology

Product Features:

- For multi-bladed high performance reamers
- Radial play 0,01 mm to 2 mm (depending on size)
- Internal coolant supply (water, oil, air, MQL)
- Up to max. 80 bar coolant pressure
- With roll-technology for highest performance

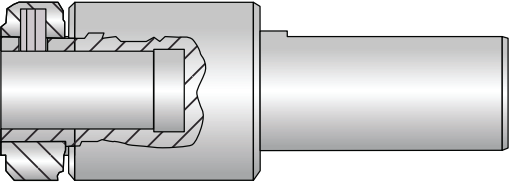
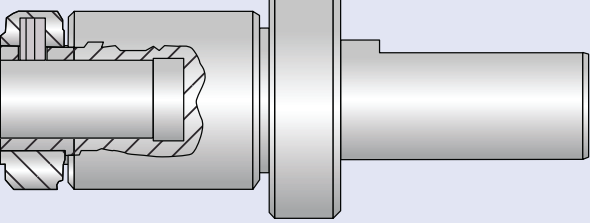
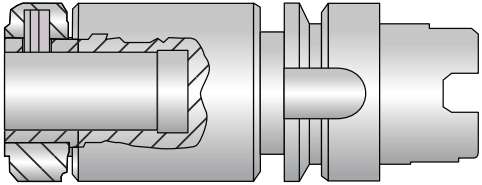
Product Advantages:

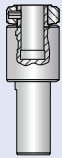
- For high revolutions and feed rates
- No chatter when starting the cut
- Permanently high precision and tool life
- Less scrap
- No wear parts, therefore no cost-intensive inventory
- With roll technology less power is needed to deflect (no stick-slip-effect)



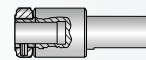
Floating Holder

The reamer specialist

Type			Page
58302	ZYL / CYL		68
58303	VDI		69
58301	HSK		70
Tech. information			71



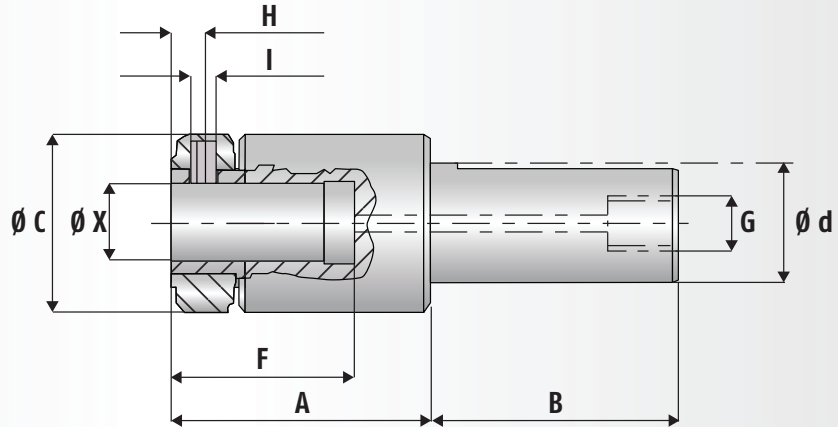
Floating Holder



Type 58302

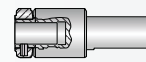
The reamer specialist

Floating Holder with Roll-Technology
 For multi-bladed high performance reamers
 With internal coolant supply
 With straight shank and flat



Article No.	Floating holder		Ø X mm	Overall dimensions						Radial play mm	Pretension Nm
	Ø d mm	B mm		Ø C mm	A mm	F mm	H mm	I mm	G mm		
58302.001	20	40	10	38,5	47	25	6	M 6	1/8"	0,08	1,2
58302.002	25	40	10	38,5	47	25	6	M 6	1/4"	0,08	1,2
58302.003	32	40	10	38,5	47	25	6	M 6	3/8"	0,08	1,2
58302.004	20	40	12	38,5	47	25	6	M 6	1/8"	0,08	1,0
58302.005	25	40	12	38,5	47	25	6	M 6	1/4"	0,08	1,0
58302.006	32	40	12	38,5	47	25	6	M 6	3/8"	0,08	1,0
58302.007	20	50	16	49	65	40	9,5	M 8	1/8"	0,10	1,5
58302.008	25	60	16	49	65	40	9,5	M 8	1/4"	0,10	1,5
58302.009	32	80	16	49	65	40	9,5	M 8	3/8"	0,10	1,5
58302.010	40	80	16	49	65	40	9,5	M 8	1/2"	0,10	1,5
58302.011	20	50	20	49	75	50	9,5	M 8	1/8"	0,12	1,9
58302.012	25	60	20	49	75	50	9,5	M 8	1/4"	0,12	1,9
58302.013	32	80	20	49	75	50	9,5	M 8	3/8"	0,12	1,9
58302.014	40	80	20	49	75	50	9,5	M 8	1/2"	0,12	1,9
58302.015	25	60	25	59	85	60	9,5	M 10	1/4"	0,12	2,5
58302.016	32	80	25	59	85	60	9,5	M 10	3/8"	0,12	2,5
58302.017	40	80	25	59	85	60	9,5	M 10	1/2"	0,12	2,5
58302.018	32	80	32	80	94	63	12,5	M 12	3/8"	0,12	3,5
58302.019	40	80	32	80	94	63	12,5	M 12	1/2"	0,12	3,5

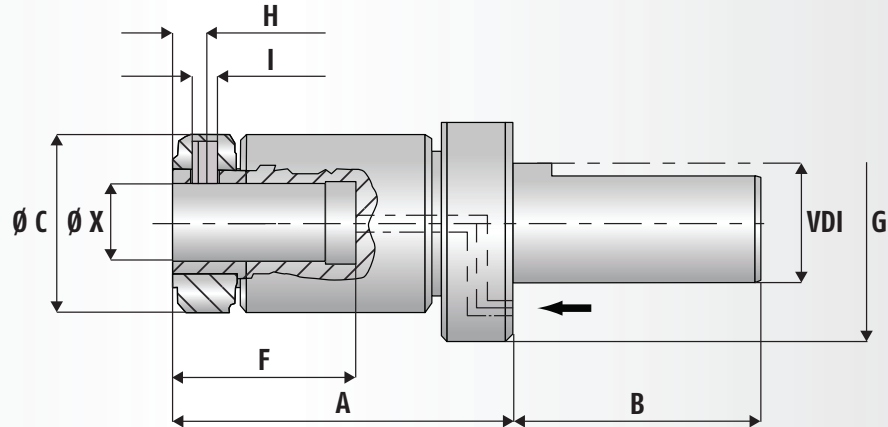
- Additional sizes and special designs available on request
- Radial play also as per customer specification
- Tech. information page 71



Type 58303

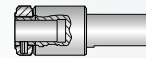
The reamer specialist

Floating Holder with Roll-Technology
 For multi-bladed high performance reamers
 With internal coolant supply
 With VDI DIN straight shank and flat



Article No.	Floating holder		Ø X mm	Overall dimensions						Radial play mm	Pretension Nm
	VDI mm	B mm		Ø C mm	A mm	F mm	H mm	I mm	G mm		
58303.001	30	55	10	38,5	76	25	6	M 6	68	0,08	1,2
58303.002	40	63	10	38,5	76	25	6	M 6	83	0,08	1,2
58303.003	30	55	12	38,5	76	25	6	M 6	68	0,08	1,0
58303.004	40	63	12	38,5	76	25	6	M 6	83	0,08	1,0
58303.005	30	55	16	49	95	40	9,5	M 8	68	0,08	1,5
58303.006	40	63	16	49	95	40	9,5	M 8	83	0,08	1,5
58303.007	50	78	16	49	95	40	9,5	M 8	98	0,08	1,5
58303.008	30	55	20	49	105	50	9,5	M 8	68	0,10	1,9
58303.009	40	63	20	49	105	50	9,5	M 8	83	0,10	1,9
58303.010	50	78	20	49	105	50	9,5	M 8	98	0,10	1,9
58303.011	30	55	25	59	114	60	9,5	M 10	68	0,12	2,5
58303.012	40	63	25	59	114	60	9,5	M 10	83	0,12	2,5
58303.013	50	78	25	59	114	60	9,5	M 10	98	0,12	2,5
58303.014	30	55	32	80	119	63	12,5	M 12	68	0,12	3,5
58303.015	40	63	32	80	119	63	12,5	M 12	83	0,12	3,5
58303.016	50	78	32	80	119	63	12,5	M 12	98	0,12	3,5

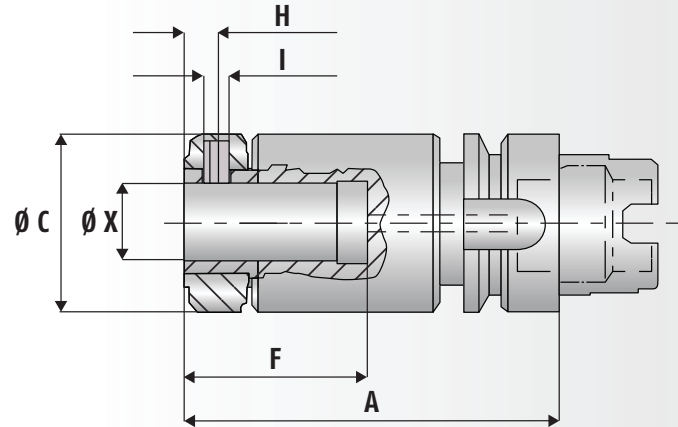
- Additional sizes and special designs available on request
- Radial play also as per customer specification
- Option with gearing available. Abbreviation: VZ
- Tech. information page 71



Type 58301

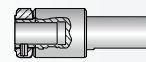
The reamer specialist

Floating Holder with Roll-Technology
 For multi-bladed high performance reamers
 With internal coolant supply
 With HSK-A



Article No.	Floating holder		Overall dimensions					Radial play mm	Pretension Nm
	HSK-A mm	Ø X mm	Ø C mm	A mm	F mm	H mm	I mm		
58301.001	32	10	38,5	83	25	6	M 6	0,08	1,2
58301.002	32	12	38,5	83	25	6	M 6	0,08	1
58301.003	32	16	49	104	40	9,5	M 8	0,08	1,5
58301.004	63	16	49	97	40	9,5	M 8	0,08	1,5
58301.005	32	20	49	114	50	9,5	M 8	0,08	1,9
58301.006	63	20	49	107	50	9,5	M 8	0,08	1,9
58301.007	32	25	59	125	60	9,5	M 10	0,08	2,5
58301.008	63	25	59	132	60	9,5	M 10	0,08	2,5
58301.009	63	32	80	137	63	12,5	M 12	0,08	3,5

- Additional sizes and special designs available on request
- Radial play also as per customer specification
- Tech. information page 71



Tech. Information

The reamer specialist

Application of the Floating Holder

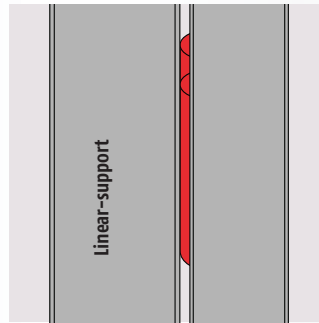
Floating holders are used for fine finishing of bores (reaming) to compensate for lateral misalignment between tool and work piece.

Such an error can be produced by:

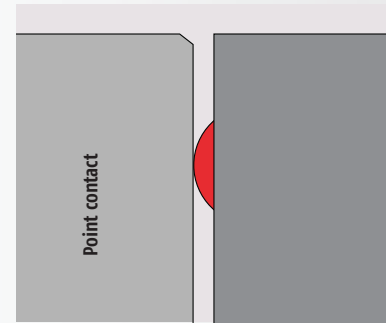
- Machining in different clampings
- Cycle errors and positional errors of the spindle
- Wear of the machine
- As a result of a crash
- Heat development

Roll-technology

With the roll-technology a linear-support is given through the cylinder rolls. In comparison to the ball-technology there are no punctual wear marks and the floating holder is not hindered in his movement. In consequence of the roll-technology less power is needed to deflect the tool (no stick-slip-effect).



Cylinderroll-technology



Ball-technology

Definition of the Floating Holder

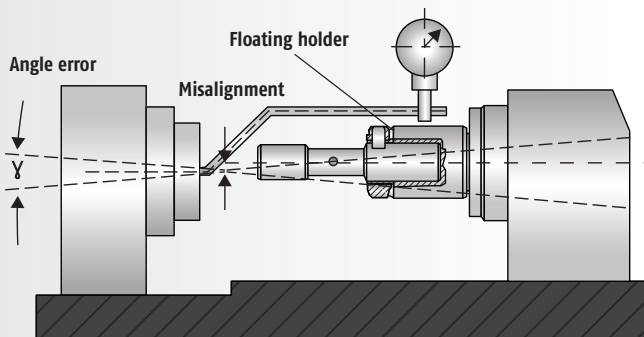
Measure the misalignment and define the radial play (picture 1).

Should the radial play deviate from the standard catalogue value, the measured value should be mentioned when ordering.

The diameter of the reamer should not be bigger as the outside diameter of the floating holder (C).

The ideal proportion is 0,5 : 1 (picture 2)

Picture 1



Picture 2

