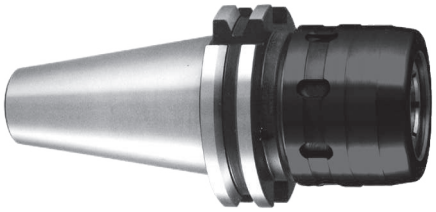
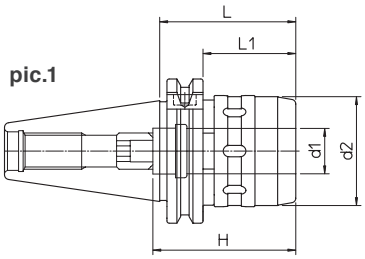
MONOforce high precision ultra-tight toolholders, suitable for rough milling and precision finishing operations.
Produced in accordance with the most widespread standards of machine spindles, by using RC reduction bushes, it allows a range of use from Ø 3mm to Ø 25mm, RC sealed bushes are also available.
All **MONOforce** toolholders are balanced to class of tolerance G 6.3 at 15,000 rpm.

MAX.	RPM 15.000
MAX.	40 BAR

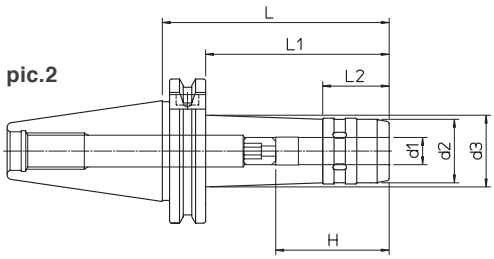
DIN 69871 AD



pic.1



pic.2

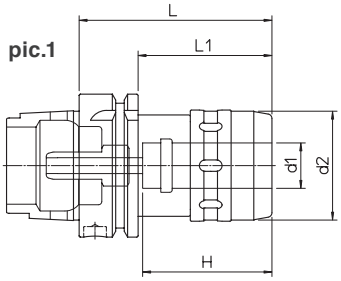


Without clamping wrench - Chip prearrangement

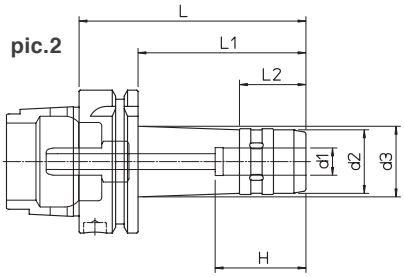
DIN	REF.	CODE	d1	d2	d3	H	L	L1	L2	kg	pic.
40	**DIN69871-AD40 MF12.100**	71DIN-A40MF1210	12	28	32	46	100	81	29.5	1.2	**2**
40	**DIN69871-AD40 MF20.60**	71DIN-A40MF2006	20	48		63	60	41		1.1	**1**
40	**DIN69871-AD40 MF32.95**	71DIN-A40MF3209	32	66		80	95			1.6	**1**
50	**DIN69871-AD50 MF20.80**	71DIN-A50MF2008	20	48		63	80	61		2.3	**1**
50	**DIN69871-AD50 MF32.75**	71DIN-A50MF3207	32	66		90	75	56		2.8	**1**

DIN 69893 HSK-A

pic.1



pic.2



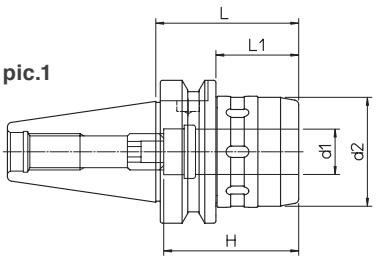
Supplied with coolant tube - Without clamping wrench - Chip prearrangement

HSK-A	REF.	CODE	d1	d2	d3	H	L	L1	L2	kg	pic.
63	**HSK-A63 MF12.100**	71HSK-A63MF1210	12	28	32	46	100	74	29.5	1.1	**2**
63	**HSK-A63 MF20.85**	71HSK-A63MF2008	20	48		60	85	59		1.2	**1**
63	**HSK-A63 MF32.105**	71HSK-A63MF3210	32	66		80	105			2	**1**
100	**HSK-A100 MF20.95**	71HSKA100MF2009	20	48		60	95	66		2.8	**1**
100	**HSK-A100 MF32.110**	71HSKA100MF3211	32	66		80	110	81		3.1	**1**

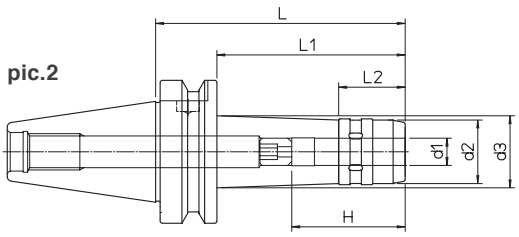
PSC - FORCE see p.34

MAS 403 BT AD

pic.1



pic.2

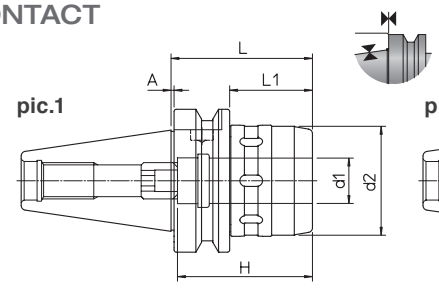


Without clamping wrench - Chip prearrangement

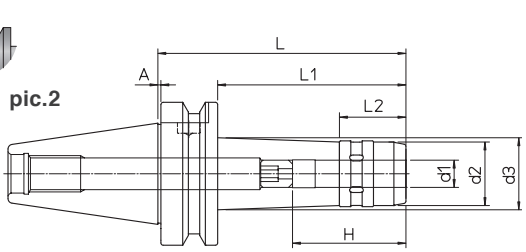
BT	REF.	CODE	d1	d2	d3	H	L	L1	L2	kg	pic.
40	**MAS403 BT40-AD MF12.100**	71MBT-A40MF1210	12	28	32	46	100	73	29.5	1.4	**2**
40	**MAS403 BT40-AD MF20.65**	71MBT-A40MF2007	20	48		63	65	38		1.3	**1**
40	**MAS403 BT40-AD MF32.90**	71MBT-A40MF3209	32	66		80	90			2.1	**1**
50	**MAS403 BT50-AD MF20.85**	71MBT-A50MF2008	20	48		63	85	47		3.7	**1**
50	**MAS403 BT50-AD MF32.95**	71MBT-A50MF3209	32	66		90	95	57		4.4	**1**

MAS 403 BT AD FACE CONTACT

pic.1



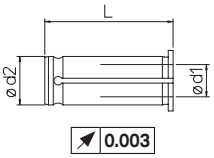
pic.2



Without clamping wrench - Chip prearrangement

BT	REF.	CODE	d1	d2	d3	H	A	L	L1	L2	kg	pic.
40	**MAS403 BT40-AD FC MF12.100**	71MBF-A40MF1210	12	28	32	46	1	100	73	29.5	1.4	**2**
40	**MAS403 BT40-AD FC MF20.65**	71MBF-A40MF2007	20	48		63	1	65	38		1.3	**1**
40	**MAS403 BT40-AD FC MF32.90**	71MBF-A40MF3209	32	66		80	1	90			2.1	**1**
50	**MAS403 BT50-AD FC MF20.85**	71MBF-A50MF2008	20	48		63	1.5	85	47		3.7	**1**
50	**MAS403 BT50-AD FC MF32.95**	71MBF-A50MF3209	32	66		90	1.5	95	57		4.4	**1**

RC BUSHES ULTRA-TIGHT SPINDLE



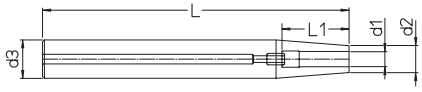
ød2	REF.	CODE	d1	L
12	**RC12.03**	497080012030	3	44
12	**RC12.04**	497080012040	4	44
12	**RC12.06**	497080012060	6	44
12	**RC12.08**	497080012080	8	44
12	**RC12.10**	497080012100	10	44

ød2	REF.	CODE	d1	L
20	**RC20.03**	497080020030	3	50
20	**RC20.04**	497080020040	4	50
20	**RC20.05**	497080020050	5	50
20	**RC20.06**	497080020060	6	50
20	**RC20.08**	497080020080	8	50
20	**RC20.10**	497080020100	10	50
20	**RC20.12**	497080020120	12	50
20	**RC20.14**	497080020140	14	50
20	**RC20.16**	497080020160	16	50

RC SEALED bushes on request

ød2	REF.	CODE	d1	L
32	**RC32.03**	497080032030	3	63
32	**RC32.04**	497080032040	4	63
32	**RC32.05**	497080032050	5	63
32	**RC32.06**	497080032060	6	63
32	**RC32.08**	497080032080	8	63
32	**RC32.10**	497080032100	10	63
32	**RC32.12**	497080032120	12	63
32	**RC32.14**	497080032140	14	63
32	**RC32.16**	497080032160	16	63
32	**RC32.18**	497080032180	18	63
32	**RC32.20**	497080032200	20	63
32	**RC32.25**	497080032250	25	63

PR CT R SHRINK FIT EXTENSIONS WITH AXIAL ADJUSTMENT



Supplied with the axial setting screw

REF.	CODE	d1	d2	d3	L	L1	kg
PR.CT.R D20.06.130	49DC21320060	6	14	20	130	22 / 36	0.20
PR.CT.R D20.06.160	49DC21620060	6	14	20	160	22 / 32	0.33
PR.CT.R D20.08.130	49DC21320080	8	14	20	130	22 / 36	0.25
PR.CT.R D32.16.160	49DC21632160	16	27	32	160	39 / 49	0.78
PR.CT.R D32.16.200	49DC22032160	16	27	32	200	39 / 49	1.81
PR.CT.R D32.18.160	49DC21632180	18	27	32	160	39 / 49	0.77
PR.CT.R D32.20.160	49DC21632200	20	27	32	160	41 / 51	0.67
PR.CT.R D32.20.200	49DC22032200	20	27	32	200	41 / 51	0.87