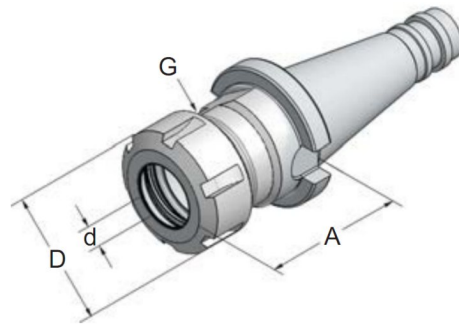


ISO Taper-toolholders DIN 2080

Collet chucks for collets ER/ESX DIN 6499 / ISO 15488

Taper angle AT3, Concentricity from the taper to the holding part < 0.005



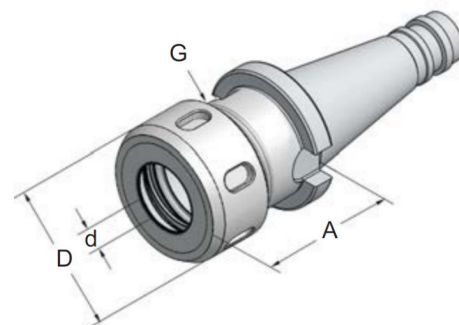
DIN 2080

DIN 2080

Art.-Nr.	Type	A	d	D	G	Art.-Nr.	Type	A	d	D	G
30.00.16.2	ISO30xER25x50	50	1-16	42	M14x0.75	50.00.20.2	ISO50xER32x50	50	2-20	50	M22x1.50
30.00.20.2	ISO30xER32x50	50	2-20	50	M22x1.50	50.00.26.2	ISO50xER40x50	50	3-30	63	M32x1.50
						50.00.34.2	ISO50xER50x60	60	6-34	78	M40x1.50
40.00.16.2	ISO40xER25x50	50	1-16	42	M14x0.75						
40.00.20.2	ISO40xER32x50	50	2-20	50	M22x1.50						
40.00.26.2	ISO40xER40x50	50	3-30	63	M32x1.50						

Collet chucks DIN 6391 for collets DIN 6388 / ISO 10897

Taper angle AT3, Concentricity from the taper to the holding part < 0.005



DIN 2080

DIN 2080

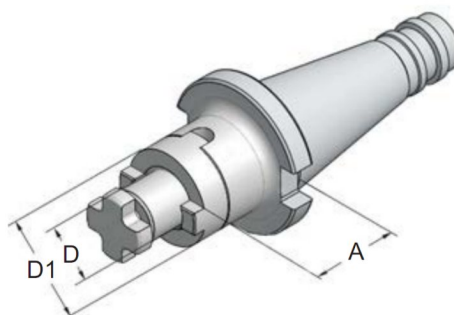
Art.-Nr.	Type	A	d	D	G	Art.-Nr.	Type	A	d	D	G
40.00.25.1	ISO40xOZ25x63	63	2-25	60	M48x2.0	50.00.25.1	ISO50xOZ25x63	63	2-25	60	M48x2.0
						50.00.32.1	ISO50xOZ32x70	70	4-32	72	M60x2.5

We reserve the right to make technical changes.

ISO Taper-toolholders DIN 2080

Universal arbors DIN 6358

Taper angle AT3, Concentricity from the taper to the holding part < 0.005



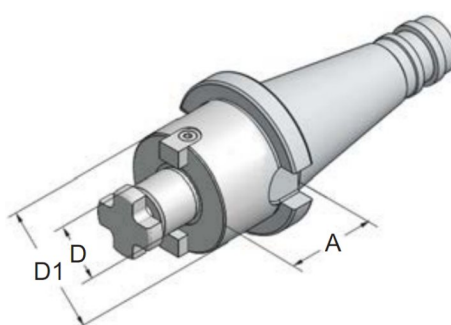
DIN 2080

DIN 2080

Art.-Nr.	Type	A	D	D1	Art.-Nr.	Type	A	D	D1
30.00.16.4	ISO30x16x40	40	16	32	50.00.16.4	ISO50x16x52	52	16	32
30.00.22.4	ISO30x22x40	40	22	40	50.00.22.4	ISO50x22x52	52	22	40
30.00.27.4	ISO30x27x40	40	27	48	50.00.27.4	ISO50x27x52	52	27	48
					50.00.32.4	ISO50x32x52	52	32	58
40.00.16.4	ISO40x16x52	52	16	32	50.00.40.4	ISO50x40x52	52	40	70
40.00.22.4	ISO40x22x52	52	22	40	50.00.50.4	ISO50x50x52	52	50	90
40.00.27.4	ISO40x27x52	52	27	48					
40.00.32.4	ISO40x32x52	52	32	58					
40.00.40.4	ISO40x40x52	52	40	70					

Shell mill adaptors for facing cutters DIN 6357

Taper angle AT3, Concentricity from the taper to the holding part < 0.005



DIN 2080

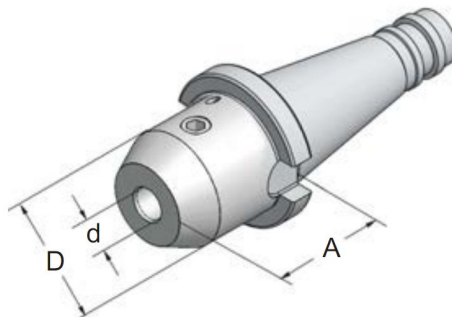
DIN 2080

Art.-Nr.	Type	A	D	D1	Art.-Nr.	Type	A	D	D1
40.00.16.9	ISO40x16x30	30	16	39					
40.00.22.9	ISO40x22x30	30	22	49	50.00.22.9	ISO50x22x35	35	22	49
40.00.27.9	ISO40x27x30	30	27	60	50.00.27.9	ISO50x27x35	35	27	60
40.00.32.9	ISO40x32x30	30	32	68	50.00.32.9	ISO50x32x40	40	32	68
					50.00.40.9	ISO50x40x40	40	40	88
					50.00.60.9	ISO50x60x55	70	55	128

We reserve the right to make technical changes.

Holders for straight shank tools Weldon DIN 1835 B

Taper angle AT3, Concentricity from the taper to the holding part < 0.005



DIN 2080

DIN 2080

Art.-Nr.	Type	A	d	D	Art.-Nr.	Type	A	d	D
30.00.06.6	ISO30x06x50	50	6	25	50.00.06.6	ISO50x06x63	63	6	25
30.00.08.6	ISO30x08x50	50	8	28	50.00.08.6	ISO50x08x63	63	8	28
30.00.10.6	ISO30x10x50	50	10	35	50.00.10.6	ISO50x10x63	63	10	35
30.00.12.6	ISO30x12x50	50	12	42	50.00.12.6	ISO50x12x63	63	12	42
30.00.16.6	ISO30x16x50	50	16	48	50.00.14.6	ISO50x14x63	63	14	44
30.00.20.6	ISO30x20x50	50	20	50	50.00.16.6	ISO50x16x63	63	16	48
					50.00.18.6	ISO50x18x63	63	18	50
40.00.06.6	ISO40x06x50	50	6	25	50.00.20.6	ISO50x20x63	63	20	52
40.00.08.6	ISO40x08x50	50	8	28	50.00.25.6	ISO50x25x80	80	25	64
40.00.10.6	ISO40x10x50	50	10	35	50.00.32.6	ISO50x32x80	80	32	72
40.00.12.6	ISO40x12x50	50	12	42	50.00.40.6	ISO50x40x90	90	40	80
40.00.14.6	ISO40x14x50	50	14	44					
40.00.16.6	ISO40x16x63	63	16	48					
40.00.18.6	ISO40x18x63	63	18	50					
40.00.20.6	ISO40x20x63	63	20	50					
40.00.25.6	ISO40x25x80	80	25	64					
40.00.32.6	ISO40x32x80	80	32	72					

We reserve the right to make technical changes.

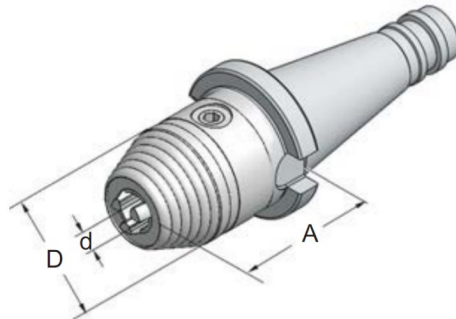
ISO Taper-toolholders DIN 2080

CNC-Drill chucks for clockwise and anti-clockwise rotation

Taper angle AT3, Concentricity from the taper to the holding part < 0.04
Base-body balanced G 2.5 - 8,000 r.p.m



DIN 2080

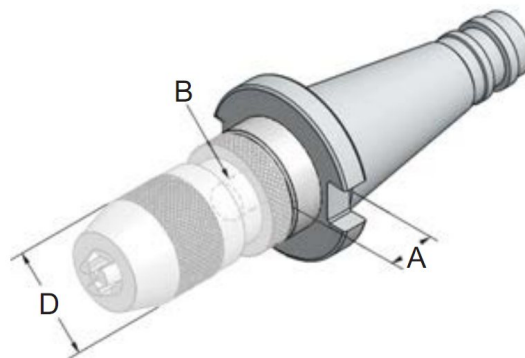


DIN 2080

Art.-Nr.	Type	A	d	D	Art.-Nr.	Type	A	d	D
40.00.13	ISO40x1-13x84	84	1-13	50	50.00.13	ISO50x1-13x94	94	1-13	50
40.00.16	ISO40x3-16x84	84	3-16	57	50.00.16	ISO50x3-16x94	97	3-16	57

Drill chuck arbors DIN 238

Taper angle AT3, Concentricity from the taper to the holding part < 0.005



The drill chuck has to be ordered separately !

DIN 2080

Drill Chuck

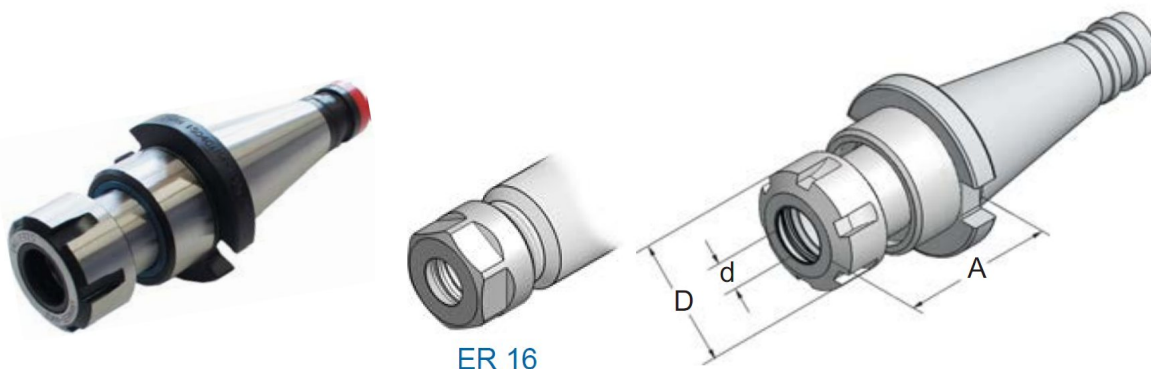
Art.-Nr.	Type	A	B	D	Art.-Nr.	Type
30.00.12.8	ISO30xB12	15	12	43	287100	B12xø0.5-10x80
30.00.16.8	ISO30xB16	17	16	50	289100	B16xø1.0-13x90
					290100	B16xø2.5-16x95
40.00.12.8	ISO40xB12	15	12	43		
40.00.16.8	ISO40xB16	17	16	50		
50.00.16.8	ISO50xB12	20	16	50		
50.00.18.8	ISO50xB16	20	18	56		

We reserve the right to make technical changes.

ISO Taper-toolholders DIN 2080

Tapping heads for collets ER/ESX

Flexible position for compression and tension



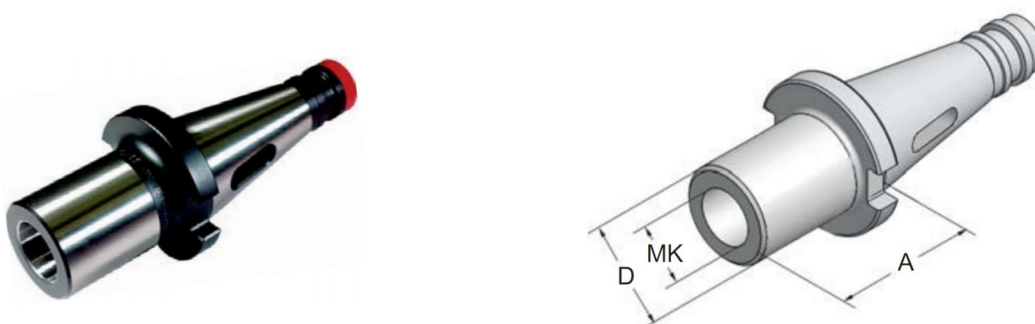
DIN 2080

DIN 2080

Art.-Nr.	Type	A	d	D	Art.-Nr.	Type	A	d	D
40.00.12.13	ISO40xER16x55	55	1-10 for M2-M12	28					
40.00.20.13	ISO40xER25x74	74	2-16 for M4-M20	42	50.00.20.13	ISO50xER25x90	90	2-16 for M4-M20	50
40.00.24.13	ISO40xER32x94	94	3-20 for M6-M24	50					
					50.00.33.13	ISO50xER40x90	90	4-30 for M8-M33	63

Reducing adaptors MT DIN 228 form B with tang

Taper angle AT3, Concentricity from the taper to the holding part < 0.005



DIN 2080

DIN 2080

Art.-Nr.	Type	A	MK	D	Art.-Nr.	Type	A	d	D
40.00.01.5	ISO40xMK1x50	50	1	25	50.00.01.5	ISO50xMK1x 45	45	1	25
40.00.02.5	ISO40xMK2x50	50	2	32	50.00.02.5	ISO50xMK2x 60	60	2	32
40.00.03.5	ISO40xMK3x65	65	3	40	50.00.03.5	ISO50xMK3x 65	65	3	40
40.00.04.5	ISO40xMK4x95	95	4	48	50.00.04.5	ISO50xMK4x 70	70	4	48
					50.00.05.5	ISO50xMK5x105	105	5	63

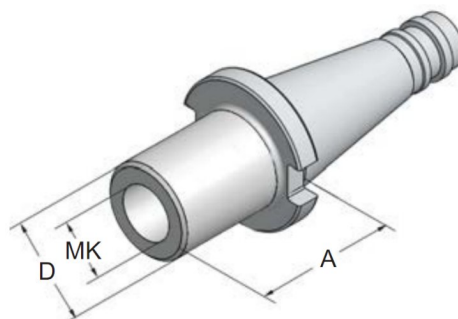
We reserve the right to make technical changes.

Reducing adaptors MT DIN 228 form A with retention thread

Taper angle AT3, Concentricity from the taper to the holding part < 0.005



DIN 2080



DIN 2080

Art.-Nr.	Type	A	MK	D	Art.-Nr.	Type	A	d	D
40.00.01.55	ISO40xMK1x50	50	1	25					
40.00.02.55	ISO40xMK2x50	50	2	32	50.00.02.55	ISO50xMK2x 60	60	2	32
40.00.03.55	ISO40xMK3x65	65	3	40	50.00.03.55	ISO50xMK3x 65	65	3	40
40.00.04.55	ISO40xMK4x95	95	4	48	50.00.04.55	ISO50xMK4x 65	65	4	48
					50.00.05.55	ISO50xMK5x120	120	5	63

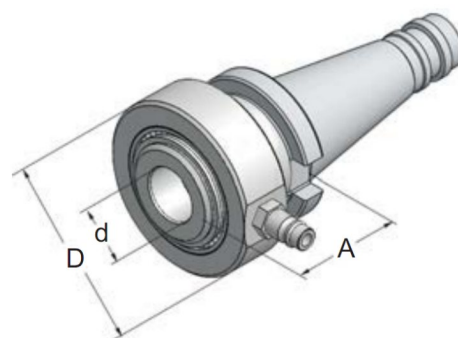
Toolholders for coolant and air supply

Taper angle AT3, Concentricity from the taper to the holding part < 0.005

max. r.p.m.: 3000
Coolant pressure: max. 6 bar
Air pressure: max. 4 bar



DIN 2080



DIN 2080

Art.-Nr.	Type	A	d	D	Art.-Nr.	Type	A	d	D
40.00.25.68	ISO40	50	25	80	50.00.25.68	ISO50	50	25	80
40.00.32.68	ISO40	50	32	80	50.00.32.68	ISO50	50	32	80

We reserve the right to make technical changes.