

E.W.Equipment

General Tooling Catalogue



DIN 2080

DIN 69871 AD/B

JIS B 6399 (MAS 403 BT) AD/B

DIN 69893 (HSK)

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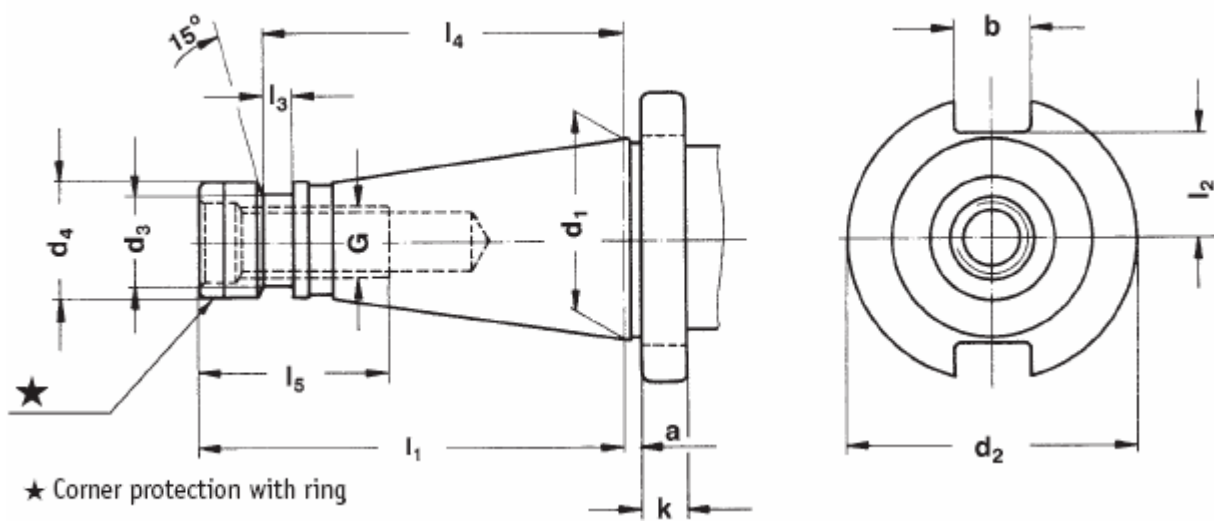
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SECTION 1

DIN 2080 TOOLHOLDERS



SK	d1	a	b	k	G	d2	d3	d4	l1	l2	l3	l4	l5
30	31,75	1,6	16,1	8	M12	50,0	-	17,2	68,4	16,2	-	-	24,0
40	44,45	1,6	16,1	10	M16	63,0	21,1	25,0	93,4	22,5	7,0	82,0	32,0
50	69,85	3,2	25,7	12	M24	97,5	32,0	39,2	126,8	35,3	13,0	115,0	47,0

Material: Case hardened steel, tensile strength in the core min. 800 N/mm²

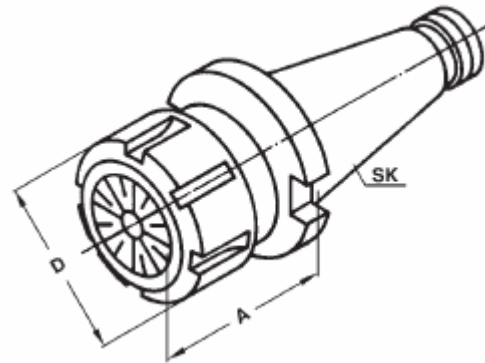
Execution: Case hardened HRC 60 ± 2 (HV 700 ± 50), depth of case 0,8 mm ± 0,2 mm, black-finished

Accuracy: Cone angle < AT 3 for DIN 7187 and DIN 2080
Run out between cone and holing part < 0,005 mm

E.W. Equipment

DIN 2080

Collet Chucks for Collets DIN 6499 ER



PART NUMBER	SK	CAPACITY	A	D
ISO30-ER25-050	30	ER25 2-16	50	42
ISO30-ER32-050	30	ER32 2-20	50	50
ISO40-ER25-050	40	ER25 2-16	50	42
ISO40-ER32-050	40	ER32 2-20	50	50
ISO40-ER40-080	40	ER40 3-26	80	63
ISO50-ER32-063	50	ER32 2-20	63	50
ISO50-ER40-063	50	ER40 3-26	63	63

Accessories: See Section 5



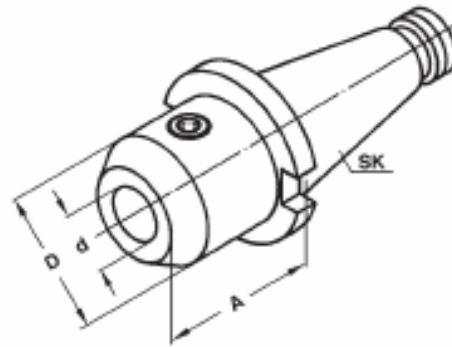
ER-COLLETS

ER-WRENCH

E.W. Equipment

DIN 2080

End Mill Holders DIN 6359 for Weldon Type End Mills DIN 1835-B



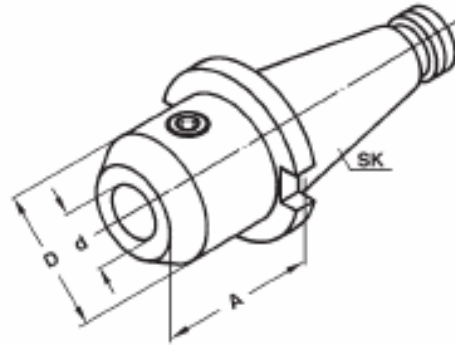
PART NUMBER	SK	d	D	A
ISO30-WE06-040	30	6	25	40
ISO30-WE08-040	30	8	28	40
ISO30-WE10-040	30	10	35	40
ISO30-WE12-040	30	12	42	40
ISO30-WE14-050	30	14	44	50
ISO30-WE16-050	30	16	48	50
ISO30-WE18-050	30	18	50	50
ISO30-WE20-063	30	20	52	63

ISO40-WE06-050	40	6	25	50
ISO40-WE08-050	40	8	28	50
ISO40-WE10-050	40	10	35	50
ISO40-WE12-050	40	12	42	50
ISO40-WE14-050	40	14	44	50
ISO40-WE16-063	40	16	48	63
ISO40-WE18-063	40	18	50	63
ISO40-WE20-063	40	20	52	63
ISO40-WE25-080	40	25	65	80
ISO40-WE32-080	40	32	72	80
ISO40-WE40-090	40	40	80	90

E.W. Equipment

DIN 2080

End Mill Holders DIN 6359 for Weldon Type End Mills DIN 1835-B

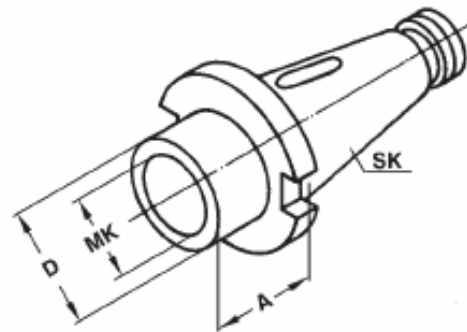


PART NUMBER	SK	d	D	A
ISO50-WE06-063	50	6	25	63
ISO50-WE08-063	50	8	28	63
ISO50-WE10-063	50	10	35	63
ISO50-WE12-063	50	12	42	63
ISO50-WE14-063	50	14	44	63
ISO50-WE16-063	50	16	48	63
ISO50-WE18-063	50	18	50	63
ISO50-WE20-063	50	20	52	63
ISO50-WE25-080	50	25	65	80
ISO50-WE32-080	50	32	72	80
ISO50-WE40-090	50	40	80	90

E.W. Equipment

DIN 2080

Morse Taper Adaptors DIN 6383



PART NUMBER	SK	MT	A	D
ISO30-MT01-050	30	1	50	25
ISO30-MT02-050	30	2	50	32
ISO30-MT03-075	30	3	75	40

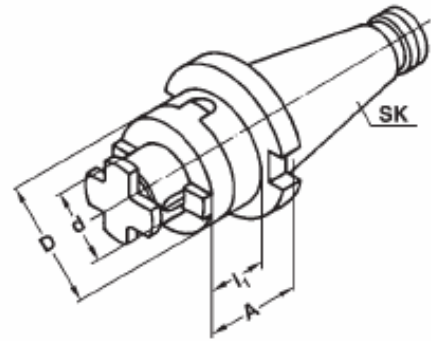
ISO40-MT01-050	50	1	50	25
ISO40-MT02-050	50	2	50	32
ISO40-MT03-065	50	3	65	40
ISO40-MT04-095	50	4	95	48

ISO50-MT01-045	50	1	45	25
ISO50-MT02-060	50	2	60	32
ISO50-MT03-065	50	3	65	40
ISO50-MT04-070	50	4	70	48
ISO50-MT05-105	50	5	105	63

E.W. Equipment

DIN 2080

Combi Shell Mill Adaptors DIN 6358



PART NUMBER	SK	d	A	l1	D
ISO30-FM16-035	30	16	35	25	32
ISO30-FM22-035	30	22	35	25	40
ISO30-FM27-035	30	27	35	25	48
ISO30-FM32-050	30	32	50	40	58

ISO40-FM16-052	40	16	52	40	32
ISO40-FM22-052	40	22	52	40	40
ISO40-FM27-052	40	27	52	40	48
ISO40-FM32-052	40	32	52	40	58
ISO40-FM40-052	40	40	52	40	70

ISO50-FM16-055	50	16	55	40	32
ISO50-FM22-055	50	22	55	40	40
ISO50-FM27-055	50	27	55	40	48
ISO50-FM32-055	50	32	55	40	58
ISO50-FM40-055	50	40	55	40	70

Accessories: See Section 5



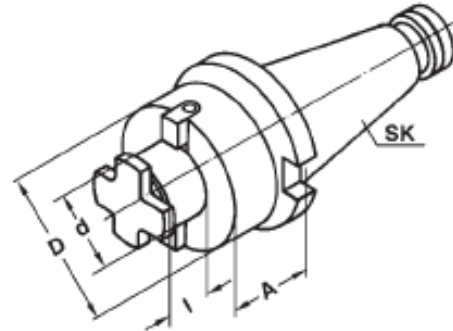
WRENCH DIN 6368

Includes:
Feather key, drive ring and draw-in bolt.

E.W. Equipment

DIN 2080

Shell Mill Adaptors DIN 6357 for cutters with driving slot



PART NUMBER	SK	d	A	I	D
ISO40-SM16-030	40	16	30	17	38
ISO40-SM22-030	40	22	30	19	48
ISO40-SM27-030	40	27	30	21	58
ISO40-SM32-030	40	32	30	24	78
ISO40-SM40-030	40	40	30	27	88

ISO50-SM16-035	50	22	35	19	48
ISO50-SM22-035	50	27	35	21	58
ISO50-SM27-040	50	32	40	24	78
ISO50-SM32-033	50	40	33	27	88
ISO50-SM40-055	50	60	55	40	129

Includes:

Drive and cruciform screw

d = 40 & d = 60 have additional screw holes in compliance with DIN 2079

1.07

Accessories: See Section 5

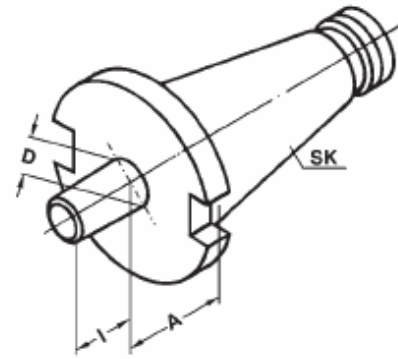


WRENCH DIN 6368

E.W. Equipment

DIN 2080

Drill Chuck Adaptors DIN 238

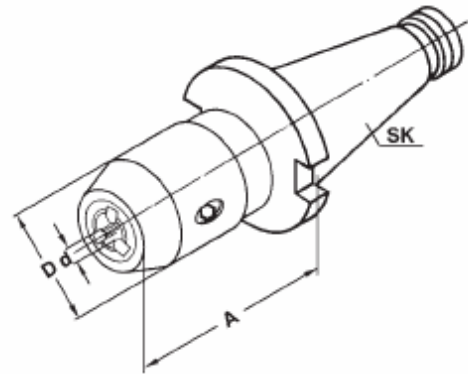


PART NUMBER	SK	D	A	I
ISO30-B12-015	30	B12	15	18.5
ISO30-B16-017	30	B16	17	24
ISO40-B12-015	40	B12	15	18.5
ISO40-B16-017	40	B16	17	24
ISO40-B18-017	40	B18	17	32
ISO50-B16-020	50	B16	20	24
ISO50-B18-020	50	B18	20	32

E.W. Equipment

DIN 2080

NC-Drill Chucks for left and right rotation

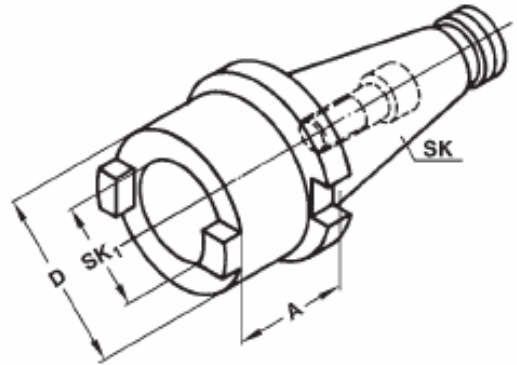


PART NUMBER	SK	d CAPACITY	A	D
ISO40-DC08-062	40	0.5 - 8	62	36
ISO40-DC13-083	40	1.0 - 13	83	50
ISO40-DC16-083	40	3.0 - 16	83	57
ISO50-DC13-100	50	1.0 - 13	100	50
ISO50-DC16-100	50	3.0 - 16	100	57

Includes:
Hexagon wrench.

E.W. Equipment

DIN 2080 Reduction Adaptors

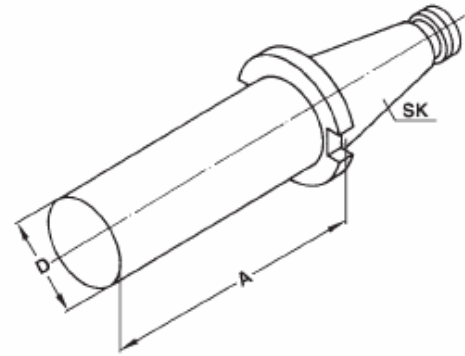


PART NUMBER	SK	SK1	A	D
ISO40-RA30-050	40	30	50	50
ISO40-RA40-100	40	40	100	063
ISO50-RA40-050	50	40	50	70
ISO50-RA40-125	50	50	125	97

E.W.Equipment

DIN 2080

Boring Bar Blanks for the production of special tools

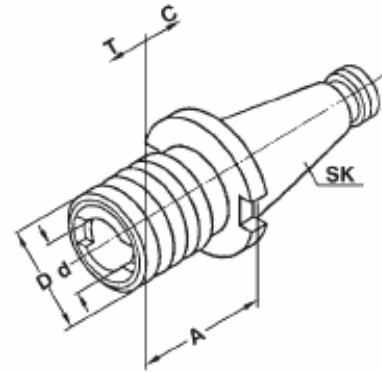


PART NUMBER	SK	D	A
ISO40-BB63-250	40	63	250
ISO50-BB97-315	50	97	315

E.W. Equipment

DIN 2080

Quick-Change Tapping Heads with length compensation



PART NUMBER	SK	CAPACITY	A	D	d	C	T
ISO30-TH01-055TC	30	M3 - M14	55	38	19	7	7
ISO30-TH02-078TC	30	M5 - M22	78	54	31	12	12
ISO40-TH01-059TC	40	M3 - M14	59	38	19	7	7
ISO40-TH02-097TC	40	M5 - M22	97	54	31	12	12
ISO40-TH03-142TC	40	M14 - M36	142	78	48	17.5	17.5
ISO50-TH01-050TC	50	M3 - M14	50	38	19	7	7
ISO50-TH02-082TC	50	M5 - M22	82	54	31	12	12
ISO50-TH03-128TC	50	M14 - M36	128	78	48	17.5	17.5

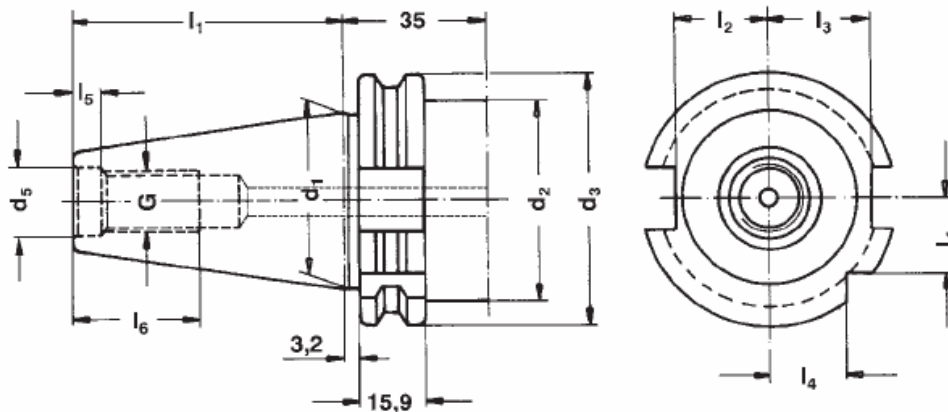
Accessories: See Section 5



TAP ADAPTORS

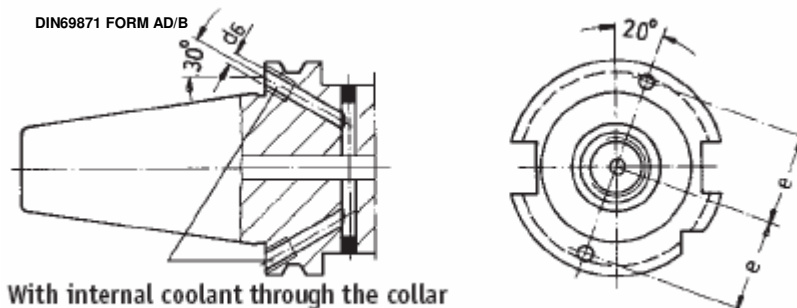
SECTION 2

DIN 69871 AD & AD/B TOOLHOLDERS



Pre-balanced G6,3 8000 min -1
G2,5 Fine Balancing available at extra cost

SK	d1	G	d5	d2	d3	l1	l2	l3	l4	l5	l6	d6	e
30	31,75	M12	13	45	50,00	47,80	16,4	19,0	15,0	5,5	24	M4	21
40	44,45	M16	17	50	63,55	68,40	22,8	25,0	18,5	8,2	32	M4	27
50	69,85	M24	25	80	97,50	101,75	35,5	37,7	30,0	11,5	47	M6	42



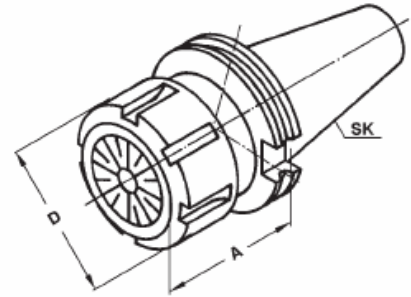
With internal coolant through the collar
Delivered with headless screws in closed position

- Material:** Alloyed case hardened steel, tensile strength in the core of min. 800 N/mm²
Case hardened HRC 60 ± 2 (HV 700 ± 50), hardening depth 0,8 mm ± 0,2 mm, black-finished
- Type AD/B:** Delivery in form AD, type B closed with a releasable headless screw
- Accuracy:** Cone angle – tolerance exactness < AT 3 according to DIN 7187 and DIN 2080
Max. run out inaccuracy < 0,005 mm

2.01

E.W. Equipment

DIN 69871 AD & AD/B Collet Chucks for Collets DIN 6499 ER



PART NUMBER	SK	FORM	CAPACITY	A	D
DV30-ER16-070	30	AD	ER16 1-10	70	32
DV30-ER16-100	30	AD	ER16 1-10	100	32
DV30-ER25-070	30	AD	ER25 2-16	70	42
DV30-ER25-100	30	AD	ER25 2-16	100	42
DV30-ER32-070	30	AD	ER32 2-20	70	50
DV30-ER32-100	30	AD	ER32 2-20	100	50
DV30-ER40-070	30	AD	ER40 3-26	70	63

DV40-ER16-063	40	AD/B	ER16 1-10	63	32
DV40-ER16-100	40	AD/B	ER16 1-10	100	32
DV40-ER16-160	40	AD/B	ER16 1-10	160	32
DV40-ER25-060	40	AD/B	ER25 2-16	60	42
DV40-ER25-100	40	AD/B	ER25 2-16	100	42
DV40-ER25-160	40	AD/B	ER25 2-16	160	42
DV40-ER32-070	40	AD/B	ER32 2-20	70	50
DV40-ER32-100	40	AD/B	ER32 2-20	100	50
DV40-ER32-160	40	AD/B	ER32 2-20	160	50
DV40-ER40-080	40	AD/B	ER40 3-26	80	63
DV40-ER40-100	40	AD/B	ER40 3-26	100	63
DV40-ER40-160	40	AD/B	ER40 3-26	160	63

Accessories: See Section 5



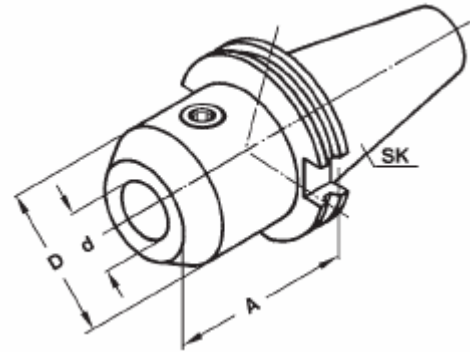
ER-COLLETS

ER-WRENCH

E.W. Equipment

DIN 69871 AD & AD/B

End Mill Holders DIN 6359 for Weldon Type End Mills DIN 1835-B



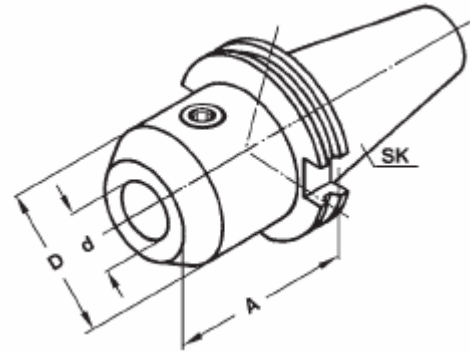
PART NUMBER	SK	FORM	d	A	D
DV30-WE06-050	30	AD	6	50	25
DV30-WE08-050	30	AD	8	50	28
DV30-WE10-050	30	AD	10	50	35
DV30-WE12-050	30	AD	12	50	42
DV30-WE14-063	30	AD	14	63	44
DV30-WE16-063	30	AD	16	63	48
DV30-WE18-063	30	AD	18	63	50
DV30-WE20-070	30	AD	20	70	52

DV40-WE06-050	40	AD/B	6	50	25
DV40-WE06-100	40	AD/B	6	100	25
DV40-WE06-160	40	AD/B	6	160	25
DV40-WE08-050	40	AD/B	8	50	28
DV40-WE08-100	40	AD/B	8	100	28
DV40-WE08-160	40	AD/B	8	160	28
DV40-WE10-050	40	AD/B	10	50	35
DV40-WE10-100	40	AD/B	10	100	35
DV40-WE10-160	40	AD/B	10	160	35
DV40-WE12-050	40	AD/B	12	50	42
DV40-WE12-100	40	AD/B	12	100	42
DV40-WE12-160	40	AD/B	12	160	42

E.W. Equipment

DIN 69871 AD/B

End Mill Holders DIN 6359 for Weldon Type End Mills DIN 1835-B

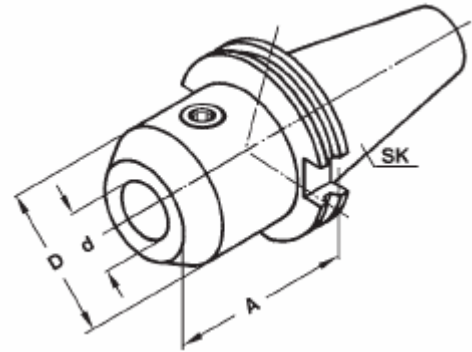


PART NUMBER	SK	d	A	D
DV40-WE14-050	40	14	50	44
DV40-WE14-100	40	14	100	44
DV40-WE14-160	40	14	160	44
DV40-WE16-035	40	16	35	45
DV40-WE16-063	40	16	63	48
DV40-WE16-100	40	16	100	48
DV40-WE16-160	40	16	160	48
DV40-WE18-063	40	18	63	50
DV40-WE18-100	40	18	100	50
DV40-WE18-160	40	18	160	50
DV40-WE20-035	40	20	35	45
DV40-WE20-063	40	20	63	52
DV40-WE20-100	40	20	100	52
DV40-WE20-160	40	20	160	52
DV40-WE25-035	40	25	35	50
DV40-WE25-100	40	25	100	65
DV40-WE25-160	40	25	160	65
DV40-WE32-065	40	32	65	50
DV40-WE32-100	40	32	100	72
DV40-WE32-160	40	32	160	72
DV40-WE40-120	40	40	120	80

E.W. Equipment

DIN 69871 AD/B

End Mill Holders DIN 6359 for Weldon Type End Mills DIN 1835-B

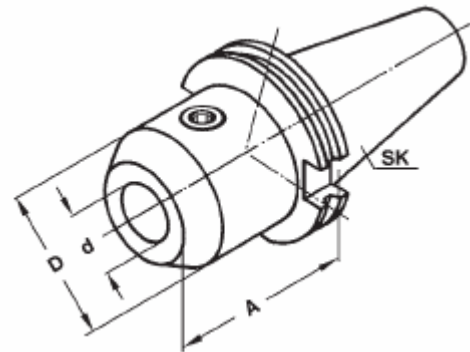


PART NUMBER	SK	d	A	D
DV50-WE06-063	50	6	63	25
DV50-WE06-100	50	6	100	25
DV50-WE06-160	50	6	160	25
DV50-WE08-063	50	8	63	28
DV50-WE08-100	50	8	100	28
DV50-WE08-160	50	8	160	28
DV50-WE10-063	50	10	63	35
DV50-WE10-100	50	10	100	35
DV50-WE10-160	50	10	160	35
DV50-WE12-063	50	12	63	42
DV50-WE12-100	50	12	100	42
DV50-WE12-160	50	12	160	42
DV50-WE14-063	50	14	63	44
DV50-WE14-100	50	14	100	44
DV50-WE14-160	50	14	160	44

E.W.Equipment

DIN 69871 AD/B

End Mill Holders DIN 6359 for Weldon Type End Mills DIN 1835-B

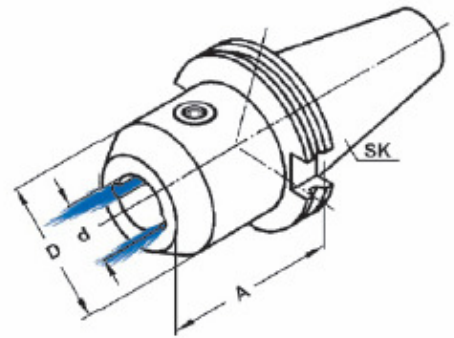


PART NUMBER	SK	d	A	D
DV50-WE16-063	50	16	63	48
DV50-WE160100	50	16	100	48
DV50-WE16-160	50	16	160	48
DV50-WE18-063	50	18	63	50
DV50-WE18-100	50	18	100	50
DV50-WE18-160	50	18	160	50
DV50-WE20-063	50	20	63	52
DV50-WE20-100	50	20	100	52
DV50-WE20-160	50	20	160	52
DV50-WE25-080	50	25	80	65
DV50-WE25-120	50	25	120	65
DV50-WE25-160	50	25	160	65
DV50-WE32-100	50	32	100	72
DV50-WE32-160	50	32	160	72
DV50-WE40-100	50	40	100	80
DV50-WE40-160	50	40	160	80

E.W. Equipment

DIN 69871 AD/B

End Mill Holders DIN 6359 with coolant channel
for Weldon Type End Mills DIN 1835-B

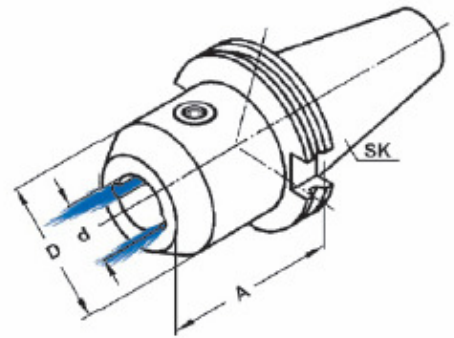


PART NUMBER	SK	d	A	D
DV40-WE06-050-CC	40	6	50	25
DV40-WE06-100-CC	40	6	100	25
DV40-WE08-050-CC	40	8	50	28
DV40-WE08-100-CC	40	8	100	28
DV40-WE10-050-CC	40	10	50	35
DV40-WE10-100-CC	40	10	100	35
DV40-WE12-050-CC	40	12	50	42
DV40-WE12-100-CC	40	12	100	42
DV40-WE14-050-CC	40	14	50	44
DV40-WE14-100-CC	40	14	100	44
DV40-WE16-063-CC	40	16	63	48
DV40-WE16-100-CC	40	16	100	48
DV40-WE18-063-CC	40	18	63	50
DV40-WE18-100-CC	40	18	100	50
DV40-WE20-063-CC	40	20	63	52
DV40-WE20-100-CC	40	20	100	52
DV40-WE25-100-CC	40	25	100	65
DV40-WE32-100-CC	40	32	100	72
DV40-WE40-120-CC	40	40	120	80

E.W. Equipment

DIN 69871 AD/B

End Mill Holders DIN 6359 with coolant channel
for Weldon Type End Mills DIN 1835-B

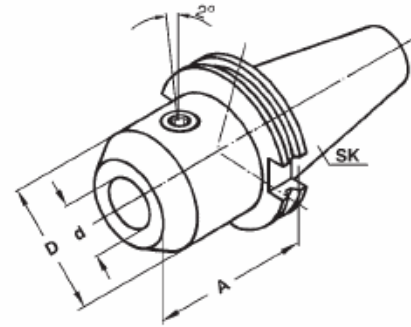


PART NUMBER	SK	d	A	D
DV50-WE06-063-CC	50	6	63	25
DV50-WE08-063-CC	50	8	63	28
DV50-WE10-063-CC	50	10	63	35
DV50-WE12-163-CC	50	12	63	42
DV50-WE14-063-CC	50	14	63	44
DV50-WE16-063-CC	50	16	63	48
DV50-WE18-063-CC	50	18	63	50
DV50-WE20-063-CC	50	20	63	52
DV50-WE25-080-CC	50	25	80	65
DV50-WE32-100-CC	50	32	100	72
DV50-WE40-100-CC	50	40	100	80

E.W. Equipment

DIN 69871 AD/B

Whistle Notch Holders DIN 6359 for End Mills DIN 1835-E

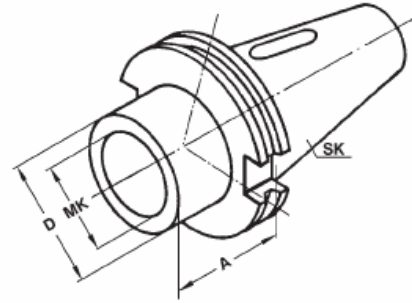


PART NUMBER	SK	d	A	D
DV40-WN06-050	40	6	50	25
DV40-WN08-050	40	8	50	28
DV40-WN10-050	40	10	50	35
DV40-WN12-050	40	12	50	42
DV40-WN14-050	40	14	50	44
DV40-WN16-063	40	16	63	48
DV40-WN18-063	40	18	63	50
DV40-WN20-063	40	20	63	52
DV40-WN25-100	40	25	100	65
DV40-WN32-100	40	32	100	72
DV40-WN40-120	40	40	120	80

DV50-WN06-063	50	6	63	25
DV50-WN08-063	50	8	63	28
DV50-WN10-063	50	10	63	35
DV50-WN12-063	50	12	63	42
DV50-WN14-063	50	14	63	44
DV50-WN16-063	50	16	63	48
DV50-WN18-063	50	18	63	50
DV50-WN20-063	50	20	63	52
DV50-WN25-080	50	25	80	65
DV50-WN32-100	50	32	100	72
DV50-WN40-100	50	40	100	80

E.W. Equipment

DIN 69871 AD & AD/B Morse Taper Adaptors DIN 6383

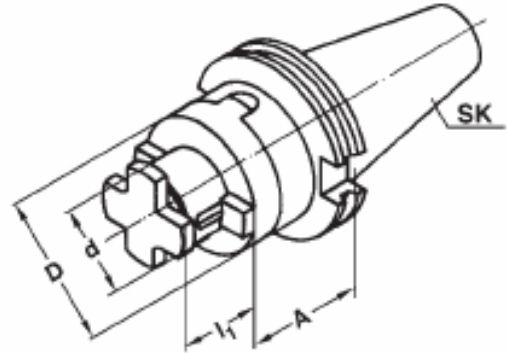


PART NUMBER	SK	FORM	MK	A	D
DV30-MT01-050	30	AD	1	50	25
DV30-MT02-065	30	AD	2	65	32
DV30-MT03-080	30	AD	3	80	40
DV40-MT01-050	40	AD/B	1	50	25
DV40-MT02-050	40	AD/B	2	50	32
DV40-MT02-117	40	AD	2	117	32
DV40-MT03-070	40	AD/B	3	70	40
DV40-MT03-133	40	AD	3	133	40
DV40-MT04-095	40	AD/B	4	95	48
DV40-MT04-156	40	AD	4	156	48
DV50-MT01-045	50	AD/B	1	45	25
DV50-MT02-060	50	AD/B	2	60	32
DV50-MT02-117	50	AD	2	117	32
DV50-MT03-065	50	AD/B	3	65	40
DV50-MT03-137	50	AD	3	137	40
DV50-MT04-095	50	AD/B	4	95	48
DV50-MT04-167	50	AD	4	167	48
DV50-MT05-105	50	AD/B	5	105	63
DV50-MT05-197	50	AD	5	197	63

E.W. Equipment

DIN 69871 AD

Combi Shell Mill Adaptors DIN 6358



PART NUMBER	SK	d	A	l1	D
DV30-FM16-050	30	16	50	17	32
DV30-FM22-050	30	22	50	19	40
DV30-FM27-055	30	27	55	21	48
DV30-FM32-060	30	32	60	24	58

DV40-FM16-055	40	16	55	17	32
DV40-FM16-100	40	16	100	17	32
DV40-FM22-055	40	22	55	19	40
DV40-FM22-100	40	22	100	19	40
DV40-FM27-055	40	27	55	21	48
DV40-FM27-100	40	27	100	21	48
DV40-FM32-060	40	32	60	24	58
DV40-FM32-100	40	32	100	24	58
DV40-FM40-060	40	40	60	27	70
DV40-FM40-100	40	40	100	27	70

Includes:
Feather key, drive ring and draw-in bolt.

Accessories: See Section 5



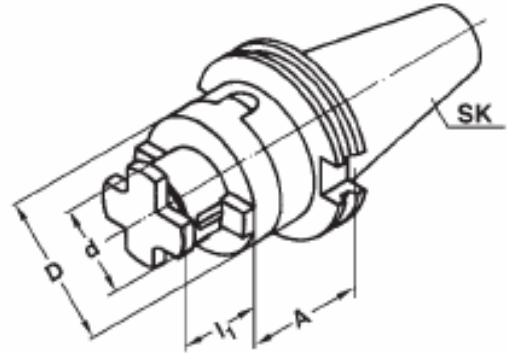
WRENCH DIN 6368

2.11

E.W. Equipment

DIN 69871 AD

Combi Shell Mill Adaptors DIN 6358



PART NUMBER	SK	d	A	l1	D
DV50-FM16-055	50	16	55	17	32
DV50-FM16-100	50	16	100	17	32
DV50-FM22-055	50	22	55	19	40
DV50-FM22-100	50	22	100	19	40
DV50-FM27-055	50	27	55	21	48
DV50-FM27-100	50	27	100	21	48
DV50-FM32-055	50	32	55	24	58
DV50-FM32-100	50	32	100	24	58
DV50-FM40-055	50	40	55	27	70
DV50-FM40-100	50	40	100	27	70

Accessories: See Section 5

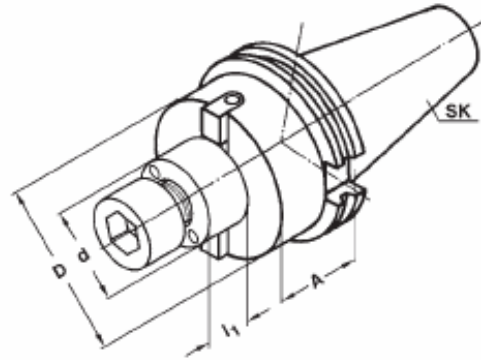


WRENCH DIN 6368

Includes:
Feather key, drive ring and draw-in bolt.

E.W. Equipment

DIN 69871 AD & AD/B Shell Mill Adaptors DIN 6357



PART NUMBER	SK	FORM	d	A	l1	D
DV30-SM16-040	30	AD	16	40	17	38
DV30-SM22-040	30	AD	22	40	19	48
DV30-SM27-040	30	AD	27	40	21	58
DV30-SM32-050	30	AD	32	50	24	78

DV40-SM16-035	40	AD/B	16	35	17	38
DV40-SM22-035	40	AD/B	22	35	19	48
DV40-SM27-040	40	AD/B	27	40	21	58
DV40-SM32-050	40	AD/B	32	50	24	78
DV40-SM40-050	40	AD/B	40	50	27	88

DV50-SM22-035	50	AD/B	22	35	19	48
DV50-SM27-040	50	AD/B	27	40	21	58
DV50-SM32-050	50	AD/B	32	50	24	78
DV50-SM40-050	50	AD/B	40	50	27	88
DV50-SM60-070	50	AD/B	60	70	40	129

Includes:
Drive and cruciform screw

d = 40 & d = 60 have additional screw holes in compliance with DIN 2079

2.13

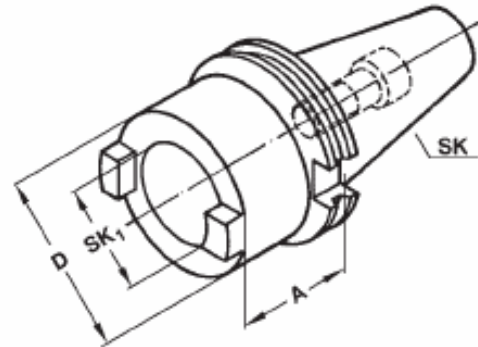
Accessories: See Section 5



WRENCH DIN 6368

E.W. Equipment

DIN 69871 A Reduction Adaptors



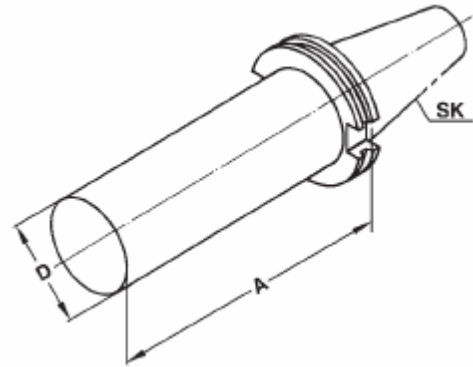
PART NUMBER	SK	SK1	A	D
DV40-RA30-050	40	30	50	50
DV40-DA40-100	40	40	100	63
DV50-RA40-070	50	40	70	70
DV50-RA50-120	50	50	120	97

Includes:
Built in screw for shortened taper tools
& additional screw for DIN 2080 tools.

E.W. Equipment

DIN 69871 A

Boring Bar Blanks for the production of special tools

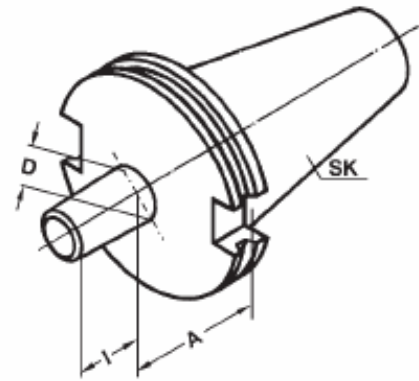


PART NUMBER	SK	D	A
DV40-BB63-250	40	63	250
DV50-BB97-315	50	97	315

E.W. Equipment

DIN 69871 A

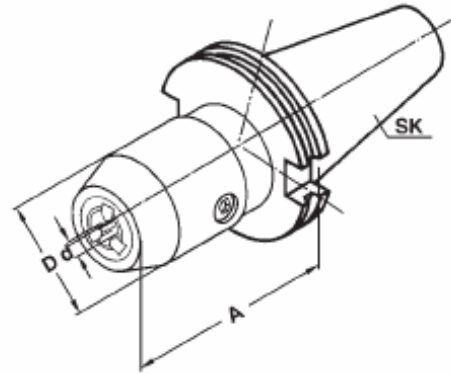
Drill Chuck Adaptors DIN 238



PART NUMBER	SK	D	A	I
DV30-B12-015	30	B12	15	18.5
DV30-B16-017	30	B16	17	24
DV40-B12-015	40	B12	15	18.5
DV40-B16-017	40	B16	17	24
DV40-B18-017	40	B18	17	32
DV50-B16-020	50	B16	20	24
DV50-B18-020	50	B18	20	32

E.W. Equipment

DIN 69871 A & AD/B NC-Drill Chucks for left and right rotation



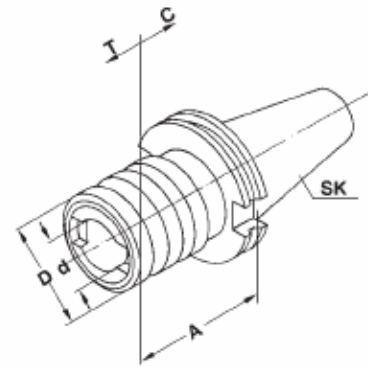
PART NUMBER	SK	FORM	d CAPACITY	A	D
DV30-DC08-070A	30	A	0.5 - 8	70	36
DV30-DC13-111A	30	A	1.0 - 13	111	50
DV40-DC08-070A	40	A	0.5 - 8	70	36
DV40-DC13-090A	40	A	1.0 - 13	90	50
DV40-DC16-090A	40	A	3.0 - 16	90	57
DV40-DC08-070B	40	AD/B	0.5 - 8	70	36
DV40-DC13-090B	40	AD/B	1.0 - 13	90	50
DV40-DC16-090B	40	AD/B	3.0 - 16	90	57
DV50-DC13-106A	50	A	1.0 - 13	106	50
DV50-DC16-106A	50	A	3.0 - 16	106	57
DV50-DC13-106B	50	AD/B	1.0 - 13	106	50
DV50-DC16-106B	50	AD/B	3.0 - 16	106	57

**Includes:
Hexagon wrench.**

E.W. Equipment

DIN 69871 A

Quick-Change Tapping Heads with length compensation



PART NUMBER	SK	CAPACITY	A	D	d	C	T
DV30-TH01-065TC	30	M3 - M14	65	38	19	7	7
DV30-TH02-103TC	30	M5 - M22	103	54	31	12	12
DV40-TH01-059TC	40	M3 - M14	59	38	19	7	7
DV40-TH02-097TC	40	M5 - M22	97	54	31	12	12
DV40-TH03-134TC	40	M14 - M36	134	78	48	17.5	17.5
DV50-TH01-050TC	50	M3 - M14	50	38	19	7	7
DV50-TH02-082TC	50	M5 - M22	82	54	31	12	12
DV50-TH03-134TC	50	M14 - M36	134	78	48	17.5	17.5

Accessories: See Section 5

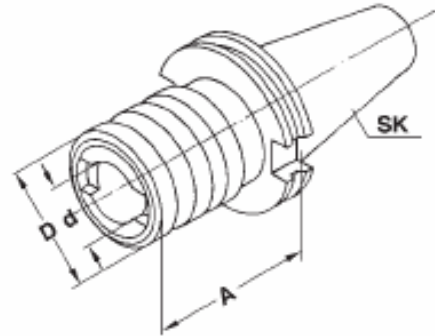


TAP ADAPTORS

E.W. Equipment

DIN 69871 A

Quick-Change Tapping Heads without length compensation (Rigid)



PART NUMBER	SK	CAPACITY	A	D	d
DV30-TH01-058RG	30	M3 - M14	58	38	19
DV30-TH02-093RG	30	M5 - M22	93	54	31
DV40-TH01-062RG	40	M3 - M14	62	38	19
DV40-TH02-095RG	40	M5 - M22	95	54	31
DV40-TH03-117RG	40	M14 - M36	117	78	48
DV50-TH01-060RG	50	M3 - M14	60	38	19
DV50-TH02-085RG	50	M5 - M22	85	54	31
DV50-TH03-117RG	50	M14 - M36	117	78	48

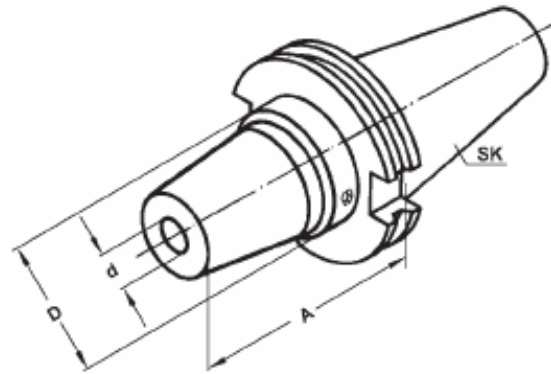
Accessories: See Section 5



TAP ADAPTORS

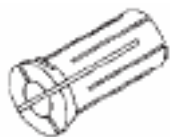
E.W. Equipment

DIN 69871 AD/B Hydraulic Chucks



PART NUMBER	SK	d	A	D
DV40-HD06-080	40	6	80	26
DV40-HD08-080	40	8	80	28
DV40-HD10-080	40	10	80	30
DV40-HD12-080	40	12	80	32
DV40-HD14-080	40	14	80	34
DV40-HD16-080	40	16	80	38
DV40-HD18-080	40	18	80	40
DV40-HD20-080	40	20	80	42
DV40-HD25-080	40	25	80	55

Accessories: See Section 5

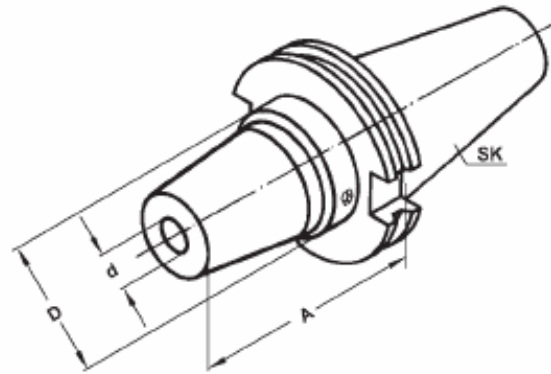


REDUCING SLEEVES

2.20

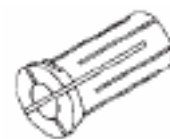
E.W. Equipment

DIN 69871 AD/B Hydraulic Chucks



PART NUMBER	SK	d	A	D
DV50-HD06-080	50	6	80	26
DV50-HD08-080	50	8	80	28
DV50-HD10-080	50	10	80	30
DV50-HD12-080	50	12	80	32
DV50-HD14-080	50	14	80	34
DV50-HD16-080	50	16	80	38
DV50-HD18-080	50	18	80	40
DV50-HD20-080	50	20	80	42
DV50-HD25-100	50	25	100	55
DV50-HD32-100	50	32	100	63

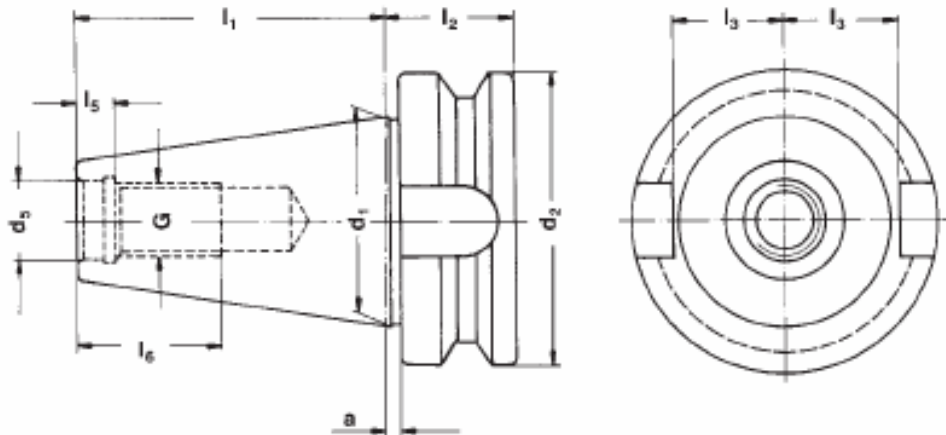
Accessories: See Section 5



REDUCING SLEEVES

SECTION 3

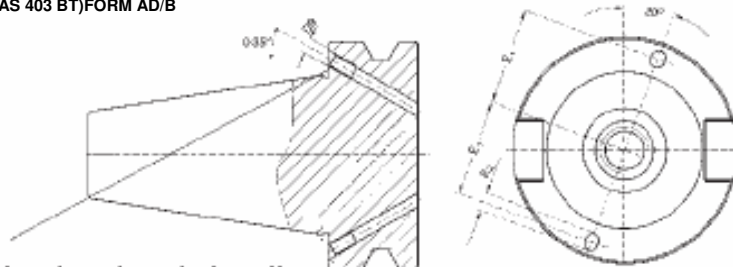
JIS B 6339 (MAS 403 BT) TOOLHOLDERS



Pre-balanced G6,3 8000 min -1
G2,5 Fine Balancing available at extra cost

SK	d1	G	d5	d2	a	l1	l2	l3	l5	l6	E1	D9
30	31,75	M12	12,5	46	2	48,4	22	16,3	7,0	24	-	-
40	44,45	M16	17,0	63	2	65,4	27	22,5	8,2	32	27	M4
50	69,85	M24	25,0	100	3	101,8	38	35,3	11,0	47	42	M6

JIS B 6399 (MAS 403 BT)FORM AD/B

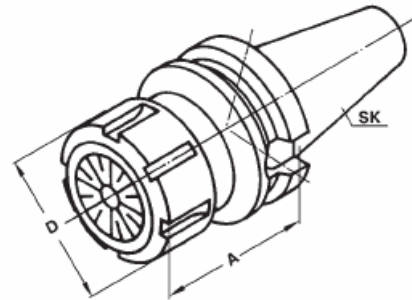


With internal coolant through the collar
Delivered with headless screws in closed position

- Material:** Alloyed case hardened steel, tensile strength in the core of min. 800 N/mm²
Case hardened HRC 60 ± 2 (HV 700 ± 50), hardening depth 0,8 mm ± 0,2 mm, black-finished
- Type AD/B:** Delivery in form AD, type B closed with a releasable headless screw
- Accuracy:** Cone angle – tolerance exactness < AT 3 according to DIN 7187 and DIN 2080
Max. run out inaccuracy < 0,005 mm

E.W. Equipment

JIS B 6399 (MAS 403 BT) AD & AD/B Collet Chucks for Collets DIN 6499 ER



PART NUMBER	SK	FORM	CAPACITY	A	D
BT30-ER16-070	30	AD	ER16 1-10	70	32
BT30-ER16-100	30	AD	ER16 1-10	100	32
BT30-ER25-070	30	AD	ER25 2-16	70	42
BT30-ER32-070	30	AD	ER32 2-20	70	50
BT30-ER40-070	30	AD	ER40 3-26	70	63
BT40-ER16-063	40	AD/B	ER16 1-10	63	32
BT40-ER16-100	40	AD/B	ER16 1-10	100	32
BT40-ER16-160	40	AD/B	ER16 1-10	160	32
BT40-ER25-060	40	AD/B	ER25 2-16	60	42
BT40-ER32-070	40	AD/B	ER32 2-20	70	50
BT40-ER32-100	40	AD/B	ER32 2-20	100	50
BT40-ER40-080	40	AD/B	ER40 3-26	80	63
BT50-ER32-070	50	AD	ER32 2-20	70	50
BT50-ER40-080	50	AD	ER40 3-26	80	63

3.02

Accessories: See Section 5



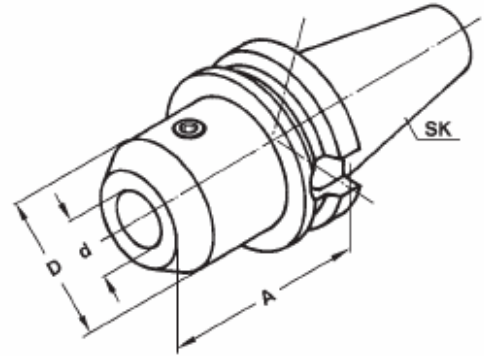
ER-COLLETS

ER-WRENCH

E.W. Equipment

JIS B 6399 (MAS 403 BT) AD & AD/B

End Mill Holders DIN 6359 for Weldon Type End Mills DIN 1835-B



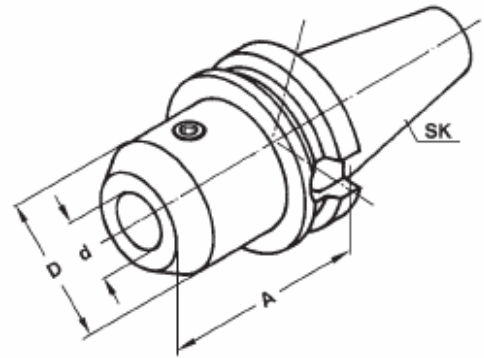
PART NUMBER	SK	FORM	d	A	D
BT30-WE06-050	30	AD	6	50	25
BT30-WE08-050	30	AD	8	50	28
BT30-WE10-050	30	AD	10	50	35
BT30-WE12-050	30	AD	12	50	42
BT30-WE14-050	30	AD	14	50	44
BT30-WE16-063	30	AD	16	63	48
BT30-WE18-063	30	AD	18	63	50
BT30-WE20-063	30	AD	20	63	52

BT40-WE06-050	40	AD/B	6	50	25
BT40-WE06-100	40	AD/B	6	100	25
BT40-WE08-050	40	AD/B	8	50	28
BT40-WE08-100	40	AD/B	8	100	28
BT40-WE10-063	40	AD/B	10	63	35
BT40-WE10-100	40	AD/B	10	100	35
BT40-WE12-063	40	AD/B	12	63	42
BT40-WE12-100	40	AD/B	12	100	42
BT40-WE14-063	40	AD/B	14	63	44
BT40-WE14-100	40	AD/B	14	100	44

E.W. Equipment

JIS B 6399 (MAS 403 BT) AD & AD/B

End Mill Holders DIN 6359 for Weldon Type End Mills DIN 1835-B

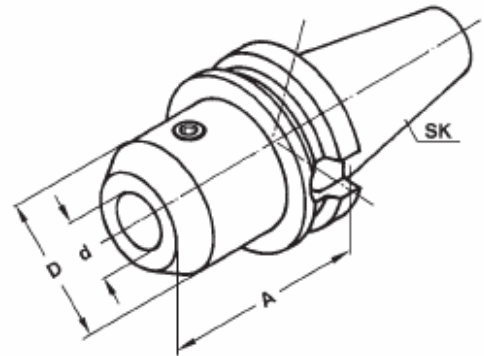


PART NUMBER	SK	FORM	d	A	D
BT40-WE16-035	40	AD	16	35	45
BT40-WE16-063	40	AD/B	16	63	48
BT40-WE16-100	40	AD/B	16	100	48
BT40-WE18-063	40	AD/B	18	63	50
BT40-WE18-100	40	AD/B	18	100	50
BT40-WE20-035	40	AD	20	35	45
BT40-WE20-063	40	AD/B	20	63	52
BT40-WE20-100	40	AD/B	20	100	52
BT40-WE25-035	40	AD	25	35	55
BT40-WE25-090	40	AD/B	25	90	65
BT40-WE32-065	40	AD	32	65	50
BT40-WE32-100	40	AD/B	32	100	72
BT40-WE40-120	40	AD/B	40	120	80

E.W. Equipment

JIS B 6399 (MAS 403 BT) AD

End Mill Holders DIN 6359 for Weldon Type End Mills DIN 1835-B

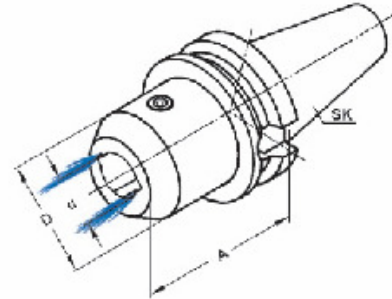


PART NUMBER	SK	d	A	D
BT50-WE06-063	50	6	63	25
BT50-WE08-063	50	8	63	28
BT50-WE10-063	50	10	63	35
BT50-WE12-080	50	12	80	42
BT50-WE14-080	50	14	80	44
BT50-WE16-080	50	16	80	48
BT50-WE18-080	50	18	80	50
BT50-WE20-080	50	20	80	52
BT50-WE25-100	50	25	100	65
BT50-WE32-105	50	32	105	72
BT50-WE40-110	50	40	110	80

E.W. Equipment

JIS B 6399 (MAS 403 BT) AD & AD/B

End Mill Holders DIN 6359 with coolant channel
for Weldon Type End Mills DIN 1835-B



PART NUMBER	SK	FORM	d	A	D
BT40-WE06-050-CC	40	AD/B	6	50	25
BT40-WE08-050-CC	40	AD/B	8	50	28
BT40-WE10-063-CC	40	AD/B	10	63	35
BT40-WE12-063-CC	40	AD/B	12	63	42
BT40-WE14-063-CC	40	AD/B	14	63	44
BT40-WE16-063-CC	40	AD/B	16	63	48
BT40-WE18-063-CC	40	AD/B	18	63	50
BT40-WE20-063-CC	40	AD/B	20	63	52
BT40-WE25-090-CC	40	AD/B	25	90	65
BT40-WE32-100-CC	40	AD/B	32	100	72
BT40-WE40-120-CC	40	AD/B	40	120	80

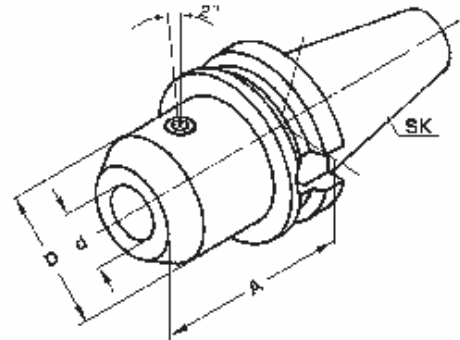
BT50-WE06-063-CC	50	AD	6	63	25
BT50-WE08-063-CC	50	AD	8	63	28
BT50-WE10-063-CC	50	AD	10	63	35
BT50-WE12-080-CC	50	AD	12	80	42
BT50-WE14-080-CC	50	AD	14	80	44
BT50-WE16-080-CC	50	AD	16	80	48
BT50-WE18-080-CC	50	AD	18	80	50
BT50-WE20-080-CC	50	AD	20	80	52
BT50-WE25-100-CC	50	AD	25	100	65
BT50-WE32-105-CC	50	AD	32	105	72
BT50-WE40-110-CC	50	AD	40	110	80

3.06

E.W. Equipment

JIS B 6399 (MAS 403 BT) AD & AD/B

Whistle Notch Holders DIN 6359 for End Mills DIN 1835-E

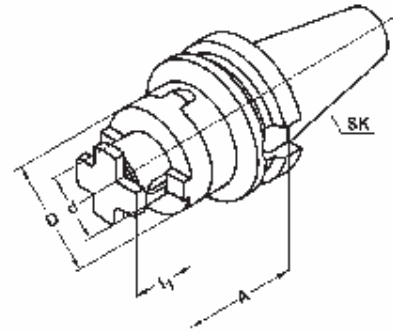


PART NUMBER	SK	FORM	d	A	D
BT40-WN06-050	40	AD/B	6	50	25
BT40-WN08-050	40	AD/B	8	50	28
BT40-WN10-063	40	AD/B	10	63	35
BT40-WN12-063	40	AD/B	12	63	42
BT40-WN14-063	40	AD/B	14	63	44
BT40-WN16-063	40	AD/B	16	63	48
BT40-WN18-063	40	AD/B	18	63	50
BT40-WN20-063	40	AD/B	20	63	52
BT40-WN25-090	40	AD/B	25	90	65
BT40-WN32-100	40	AD/B	32	100	72
BT40-WN40-120	40	AD/B	40	120	80

BT50-WN06-063	50	AD	6	63	25
BT50-WN08-063	50	AD	8	63	28
BT50-WN10-063	50	AD	10	63	35
BT50-WN12-080	50	AD	12	80	42
BT50-WN14-080	50	AD	14	80	44
BT50-WN16-080	50	AD	16	80	48
BT50-WN18-080	50	AD	18	80	50
BT50-WN20-080	50	AD	20	80	52
BT50-WN25-100	50	AD	25	100	65
BT50-WN32-105	50	AD	32	105	72
BT50-WN40-110	50	AD	40	110	80

E.W. Equipment

JIS B 6399 (MAS 403 BT) AD Combi Shell Mill Adaptors DIN 6358



PART NUMBER	SK	d	A	l1	D
BT30-FM16-045	30	16	45	17	32
BT30-FM22-047	30	22	47	19	40
BT30-FM27-049	30	27	49	21	48

BT40-FM16-055	40	16	55	17	32
BT40-FM16-100	40	16	100	17	32
BT40-FM22-055	40	22	55	19	40
BT40-FM22-100	40	22	100	19	40
BT40-FM27-055	40	27	55	21	48
BT40-FM27-100	40	27	100	21	48
BT40-FM32-060	40	32	60	24	58
BT40-FM32-100	40	32	100	24	58
BT40-FM40-060	40	40	60	27	70
BT40-FM40-100	40	40	100	27	70

BT50-FM16-070	50	16	70	17	32
BT50-FM22-070	50	22	70	19	40
BT50-FM27-070	50	27	70	21	48
BT50-FM32-070	50	32	70	24	58
BT50-FM40-070	50	40	70	27	70

Includes:
Feather key, drive ring and draw-in bolt.

Accessories: See Section 5

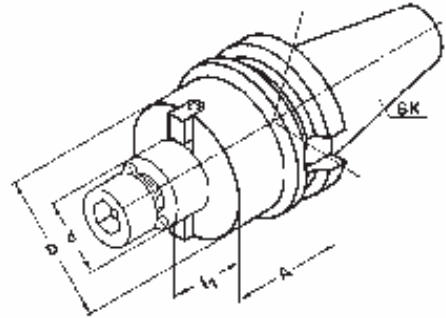
3.08



WRENCH DIN 6368

E.W. Equipment

JIS B 6399 (MAS 403 BT) AD & AD/B Shell Mill Adaptors DIN 6357



PART NUMBER	SK	FORM	d	A	l1	D
BT30-SM16-040	30	AD	16	40	17	38
BT30-SM22-040	30	AD	22	40	19	48
BT30-SM27-040	30	AD	27	40	21	58
BT30-SM32-050	30	AD	32	50	24	78
BT40-SM16-040	40	AD/B	16	40	17	38
BT40-SM22-040	40	AD/B	22	40	19	48
BT40-SM27-040	40	AD/B	27	40	21	58
BT40-SM32-050	40	AD/B	32	50	24	78
BT40-SM40-050	40	AD/B	40	50	27	88
BT50-SM22-040	50	AD	22	40	19	48
BT50-SM27-040	50	AD	27	40	21	58
BT50-SM32-050	50	AD	32	50	24	78
BT50-SM40-050	50	AD	40	50	27	88
BT50-SM60-080	50	AD	60	80	40	129

Accessories: See Section 5



WRENCH DIN 6368

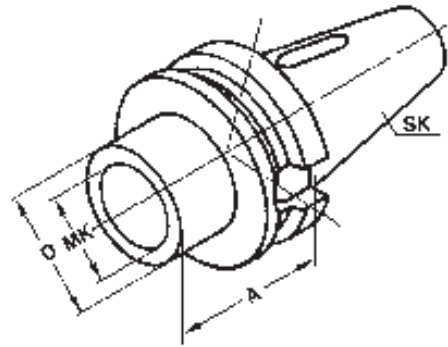
Includes:
Drive and cruciform screw

d = 40 & d = 60 have additional screw holes in compliance with DIN 2079

3.09

E.W. Equipment

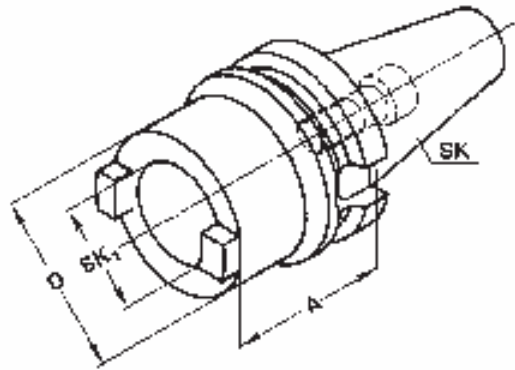
JIS B 6399 (MAS 403 BT) AD & AD/B
Morse Taper Adaptors DIN 6383



PART NUMBER	SK	FORM	MK	A	D
BT30-MT01-045	30	AD	1	45	25
BT30-MT02-060	30	AD	2	60	32
BT30-MT03-075	30	AD	3	75	40
BT40-MT01-050	40	AD/B	1	50	25
BT40-MT02-050	40	AD/B	2	50	32
BT40-MT03-070	40	AD/B	3	70	40
BT40-MT04-095	40	AD/B	4	95	48
BT50-MT01-045	50	AD	1	45	25
BT50-MT02-060	50	AD	2	60	32
BT50-MT03-065	50	AD	3	65	40
BT50-MT04-095	50	AD	4	95	48
BT50-MT05-105	50	AD	5	105	63

E.W. Equipment

JIS B 6399 (MAS 403 BT) AD Reduction Adaptors



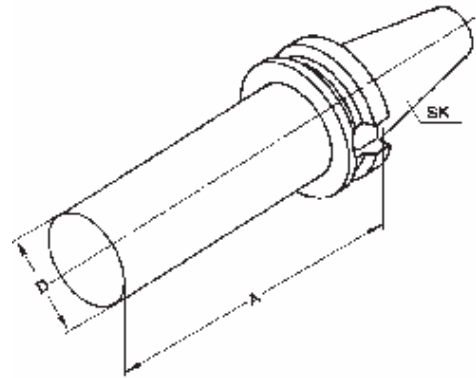
PART NUMBER	SK	SK1	A	D
BT40-RA30-060	40	30	60	63
BT40-DA40-100	40	40	100	63
BT50-RA40-070	50	40	70	70
BT50-RA50-120	50	50	120	97

Includes:
Built in screw for shortened taper tools
& additional screw for DIN 2080 tools.

E.W. Equipment

JIS B 6399 (MAS 403 BT) AD

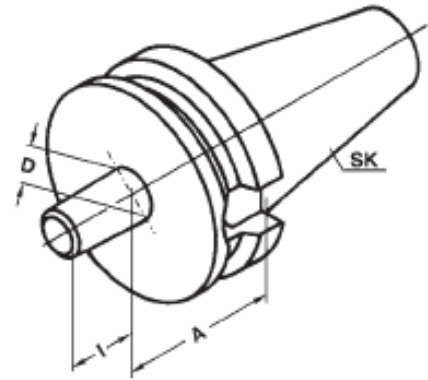
Boring Bar Blanks for the production of special tools



PART NUMBER	SK	D	A
BT40-BB63-250	40	63	250
BT50-BB97-315	50	97	315

E.W. Equipment

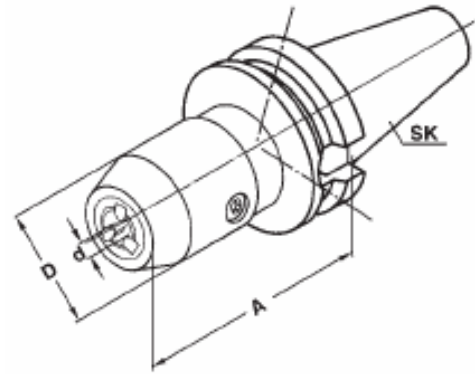
JIS B 6399 (MAS 403 BT) AD Drill Chuck Adaptors DIN 238



PART NUMBER	SK	D	A	I
BT30-B12-025	30	B12	25	18.5
BT30-B16-025	30	B16	25	24
BT40-B12-025	40	B12	25	18.5
BT40-B16-025	40	B16	25	24
BT40-B18-032	40	B18	32	32
BT50-B16-032	50	B16	32	24
BT50-B18-032	50	B18	32	32

E.W. Equipment

JIS B 6399 (MAS 403 BT) AD & AD/B
NC-Drill Chucks for left and right rotation



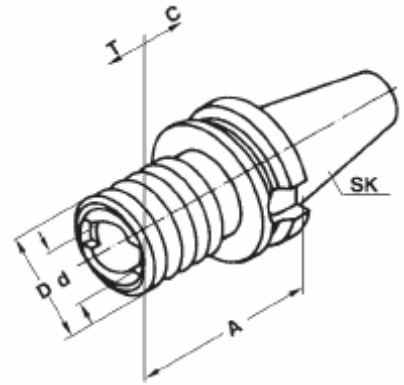
PART NUMBER	SK	FORM	d CAPACITY	A	D
BT30-DC08-074A	30	AD	0.5 - 8	74	36
BT30-DC13-096A	30	AD	1.0 - 13	96	50
BT40-DC08-078A	40	AD	0.5 - 8	78	36
BT40-DC13-098A	40	AD	1.0 - 13	98	50
BT40-DC16-098A	40	AD	3.0 - 16	98	57
BT40-DC13-098B	40	AD/B	1.0 - 13	98	50
BT40-DC16-098B	40	AD/B	3.0 - 16	98	57
BT50-DC13-110A	50	AD	1.0 - 13	110	50
BT50-DC16-110A	50	AD	3.0 - 16	110	57

Includes:
Hexagon wrench.

E.W. Equipment

JIS B 6399 (MAS 403 BT) AD

Quick-Change Tapping Heads with length compensation



PART NUMBER	SK	CAPACITY	A	D	d	C	T
BT30-TH01-062TC	30	M3 - M14	62	38	19	7	7
BT30-TH02-095TC	30	M5 - M22	95	54	31	12	12
BT40-TH01-065TC	40	M3 - M14	65	38	19	7	7
BT40-TH02-093TC	40	M5 - M22	93	54	31	12	12
BT40-TH03-126TC	40	M14 - M36	126	78	48	17.5	17.5
BT50-TH01-080TC	50	M3 - M14	80	38	19	7	7
BT50-TH02-100TC	50	M5 - M22	100	54	31	12	12
BT50-TH03-142TC	50	M14 - M36	142	78	48	17.5	17.5

Accessories: See Section 5



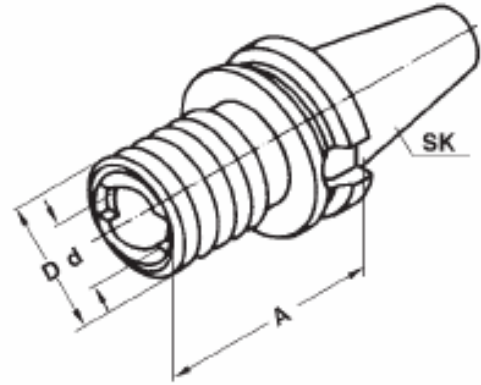
TAP ADAPTORS

3.15

E.W. Equipment

JIS B 6399 (MAS 403 BT) AD

Quick-Change Tapping Heads without length compensation (Rigid)



PART NUMBER	SK	CAPACITY	A	D	d
BT30-TH01-066RG	30	M3 - M14	66	38	19
BT30-TH02-080RG	30	M5 - M22	80	54	31
BT40-TH01-065RG	40	M3 - M14	65	38	19
BT40-TH02-093RG	40	M5 - M22	93	54	31
BT40-TH03-126RG	40	M14 - M36	126	78	48
BT50-TH01-080RG	50	M3 - M14	80	38	19
BT50-TH02-100RG	50	M5 - M22	100	54	31
BT50-TH03-142RG	50	M14 - M36	142	78	48

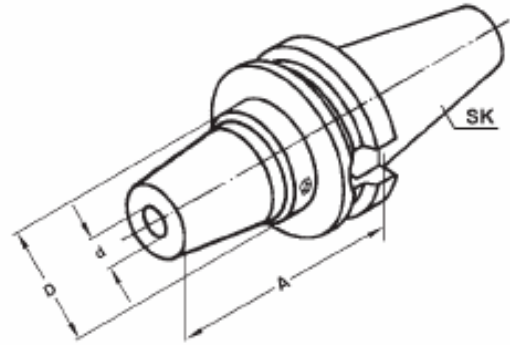
Accessories: See Section 5



TAP ADAPTORS

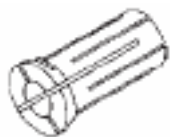
E.W. Equipment

JIS B 6399 (MAS 403 BT) AD Hydraulic Chucks



PART NUMBER	SK	d	A	D
BT40-HD06-090	40	6	90	49.5
BT40-HD08-090	40	8	90	49.5
BT40-HD10-090	40	10	90	49.5
BT40-HD12-090	40	12	90	49.5
BT40-HD14-090	40	14	90	49.5
BT40-HD16-090	40	16	90	49.5
BT40-HD18-090	40	18	90	49.5
BT40-HD20-090	40	20	90	49.5
BT40-HD25-090	40	25	90	60

Accessories: See Section 5

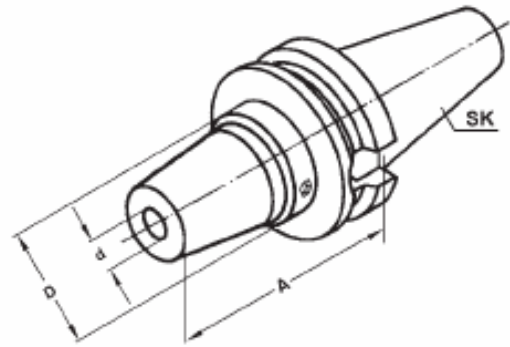


REDUCING SLEEVES

3.17

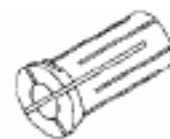
E.W. Equipment

JIS B 6399 (MAS 403 BT) AD Hydraulic Chucks



PART NUMBER	SK	d	A	D
BT50-HD06-110	50	6	110	49.5
BT50-HD08-110	50	8	110	49.5
BT50-HD10-110	50	10	110	49.5
BT50-HD12-110	50	12	110	49.5
BT50-HD14-110	50	14	110	49.5
BT50-HD16-110	50	16	110	49.5
BT50-HD18-110	50	18	110	49.5
BT50-HD20-110	50	20	110	49.5
BT50-HD25-115	50	25	115	55
BT50-HD32-115	50	32	115	70

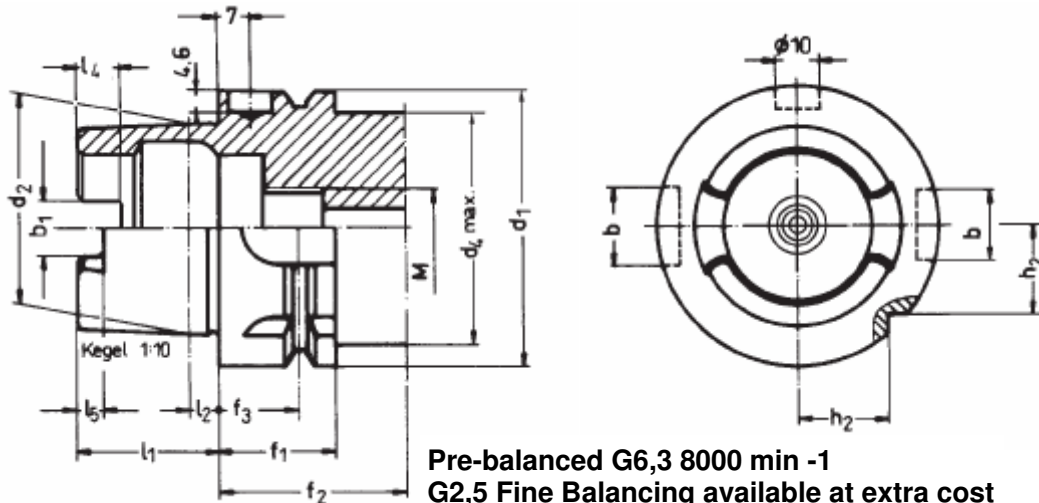
Accessories: See Section 5



REDUCING SLEEVES

SECTION 4

HSK-A DIN 69893-1 FORM A TOOLHOLDERS

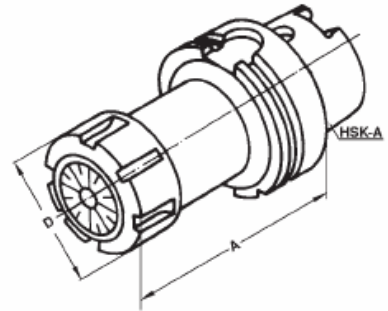


HSK-A d1	d2	d4	l1	l2	l4	l5	M	f1	f2	f3	b1	b2	b3
32	24	26	16	3,2	5,0	3,0	M10×1	20	35	16	7,05	7	9
40	30	34	20	4,0	6,0	3,5	M12×1	20	35	16	8,05	9	11
50	38	42	25	5,0	7,5	4,5	M16×1	26	42	18	10,54	12	14
63	48	53	32	6,3	10,0	6,0	M18×1	26	42	18	12,54	16	18
80	60	67	40	8,0	12,0	8,0	M20×1,5	26	42	18	16,04	18	20
100	75	85	50	10,0	15,0	10,0	M24×1,5	29	45	20	20,02	22	20

- Material:** Case hardened steel, tensile strength in the core min. 800 N/mm²
- Execution:** Case hardened HRC 60 ± 2 (HV 700 ± 50), depth of case 0,8 mm ± 0,2 mm, black-finished
- Accuracy:** Cone angle < AT 3 according to DIN 7187 and DIN 2080
Run out between cone and holing part < 0,005 mm

E.W. Equipment

HSK-A DIN 6381 FORM A Collet Chucks for Collets DIN 6499 ER



PART NUMBER	HSK	A	D
HSKA-032-ER16-080	HSK-A 32	80	32
HSKA-032-ER25-080	HSK-A 32	80	42
HSKA-040-ER16-080	HSK-A 40	80	32
HSKA-040-ER25-080	HSK-A 40	80	42
HSKA-040-ER32-100	HSK-A 40	100	50
HSKA-050-ER16-100	HSK-A 50	100	32
HSKA-050-ER25-100	HSK-A 50	100	42
HSKA-050-ER32-100	HSK-A 50	100	50
HSKA-063-ER16-100	HSK-A 63	100	32
HSKA-063-ER25-100	HSK-A 63	100	42
HSKA-063-ER25-160	HSK-A 63	160	42
HSKA-063-ER32-100	HSK-A 63	100	50
HSKA-063-ER32-160	HSK-A 63	160	50
HSKA-063-ER40-120	HSK-A 63	120	63
HSKA-063-ER40-160	HSK-A 63	160	63

4.02

Accessories: See Section 5

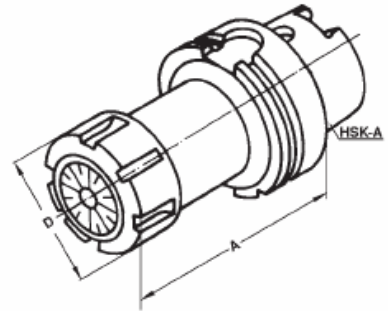


ER-COLLETS

ER-WRENCH

E.W. Equipment

HSK-A DIN 6381 FORM A Collet Chucks for Collets DIN 6499 ER



PART NUMBER	HSK	A	D
HSKA-080-ER32-100	HSK-A 80	100	50
HSKA-080-ER40-120	HSK-A 80	120	63
HSKA-100-ER25-100	HSK-A 100	100	42
HSKA-100-ER32-100	HSK-A 100	100	50
HSKA-100-ER40-120	HSK-A 100	120	63

Accessories: See Section 5



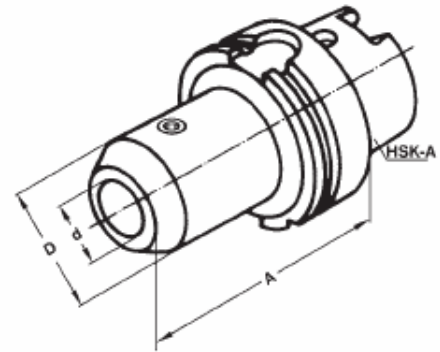
ER-COLLETS

ER-WRENCH

E.W. Equipment

HSK-A DIN 6381 FORM A

End Mill Holders DIN 6359 for Weldon Type End Mills DIN 1835-B

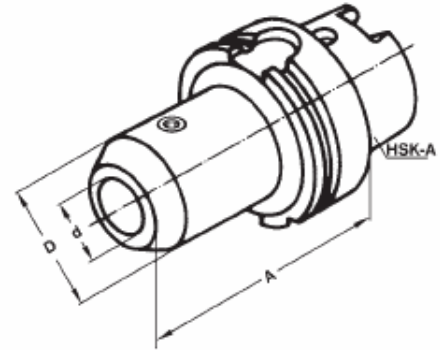


PART NUMBER	HSK	d	A	D
HSKA-032-WE06-060	HSK-A 32	6	60	25
HSKA-032-WE08-060	HSK-A 32	8	60	28
HSKA-032-WE10-065	HSK-A 32	10	65	35
HSKA-032-WE12-065	HSK-A 32	12	65	42
HSKA-040-WE06-060	HSK-A 40	6	60	25
HSKA-040-WE08-060	HSK-A 40	8	60	28
HSKA-040-WE10-060	HSK-A 40	10	60	35
HSKA-040-WE12-070	HSK-A 40	12	70	42
HSKA-040-WE16-075	HSK-A 40	16	75	48
HSKA-050-WE06-065	HSK-A 50	6	65	25
HSKA-050-WE08-065	HSK-A 50	8	65	28
HSKA-050-WE10-065	HSK-A 50	10	65	35
HSKA-050-WE12-080	HSK-A 50	12	80	42
HSKA-050-WE14-080	HSK-A 50	14	80	44
HSKA-050-WE16-080	HSK-A 50	16	80	48
HSKA-050-WE18-080	HSK-A 50	18	80	50
HSKA-050-WE20-080	HSK-A 50	20	80	52

E.W. Equipment

HSK-A DIN 6381 FORM A

End Mill Holders DIN 6359 for Weldon Type End Mills DIN 1835-B

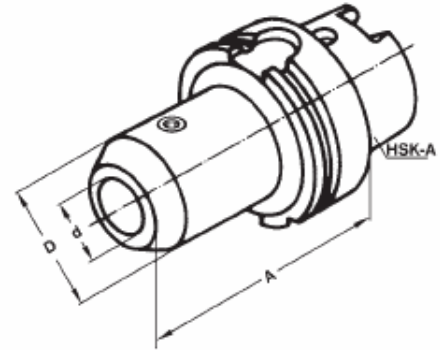


PART NUMBER	HSK	d	A	D
HSKA-063-WE06-065	HSK-A 63	6	65	25
HSKA-063-WE06-100	HSK-A 63	6	100	25
HSKA-063-WE08-065	HSK-A 63	8	65	28
HSKA-063-WE08-100	HSK-A 63	8	100	28
HSKA-063-WE10-065	HSK-A 63	10	65	35
HSKA-063-WE10-100	HSK-A 63	10	100	35
HSKA-063-WE12-080	HSK-A 63	12	80	42
HSKA-063-WE12-100	HSK-A 63	12	100	42
HSKA-063-WE14-080	HSK-A 63	14	80	44
HSKA-063-WE14-100	HSK-A 63	14	100	44
HSKA-063-WE16-080	HSK-A 63	16	80	48
HSKA-063-WE16-100	HSK-A 63	16	100	48
HSKA-063-WE18-080	HSK-A 63	18	80	50
HSKA-063-WE18-100	HSK-A 63	18	100	50
HSKA-063-WE20-080	HSK-A 63	20	80	52
HSKA-063-WE25-110	HSK-A 63	25	110	65
HSKA-063-WE32-110	HSK-A 63	32	110	72
HSKA-063-WE40-125	HSK-A 63	40	125	80

E.W. Equipment

HSK-A DIN 6381 FORM A

End Mill Holders DIN 6359 for Weldon Type End Mills DIN 1835-B



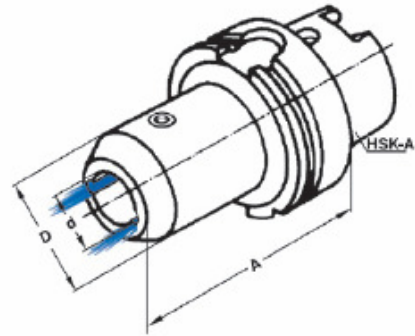
PART NUMBER	HSK	d	A	D
HSKA-080-WE06-080	HSK-A 80	6	80	25
HSKA-080-WE08-080	HSK-A 80	8	80	28
HSKA-080-WE10-080	HSK-A 80	10	80	35
HSKA-080-WE12-080	HSK-A 80	12	80	42
HSKA-080-WE14-080	HSK-A 80	14	80	44
HSKA-080-WE16-100	HSK-A 80	16	100	48
HSKA-080-WE18-100	HSK-A 80	18	100	50
HSKA-080-WE20-100	HSK-A 80	20	100	52
HSKA-080-WE25-100	HSK-A 80	25	100	65
HSKA-080-WE32-110	HSK-A 80	32	110	72

HSKA-100-WE06-080	HSK-A 100	6	80	25
HSKA-100-WE08-080	HSK-A 100	8	80	28
HSKA-100-WE10-080	HSK-A 100	10	80	35
HSKA-100-WE12-080	HSK-A 100	12	80	42
HSKA-100-WE14-080	HSK-A 100	14	80	44
HSKA-100-WE16-100	HSK-A 100	16	100	48
HSKA-100-WE18-100	HSK-A 100	18	100	50
HSKA-100-WE20-100	HSK-A 100	20	100	52
HSKA-100-WE25-100	HSK-A 100	25	100	65
HSKA-100-WE32-100	HSK-A 100	32	100	72
HSKA-100-WE40-105	HSK-A 100	40	105	80

E.W. Equipment

HSK-A DIN 6381 FORM A

End Mill Holders DIN 6359 with coolant channel
for Weldon Type End Mills DIN 1835-B

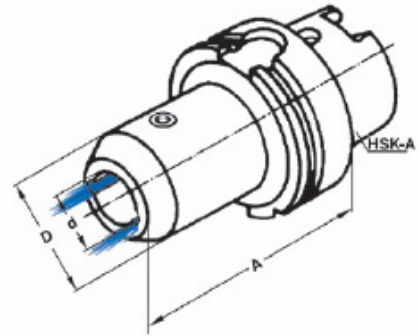


PART NUMBER	HSK	d	A	D
HSKA-032-WE06-060-CC	HSK-A 32	6	60	25
HSKA-032-WE08-060-CC	HSK-A 32	8	60	28
HSKA-032-WE10-065-CC	HSK-A 32	10	65	35
HSKA-032-WE12-065-CC	HSK-A 32	12	65	42
HSKA-040-WE06-060-CC	HSK-A 40	6	60	25
HSKA-040-WE08-060-CC	HSK-A 40	8	60	28
HSKA-040-WE10-060-CC	HSK-A 40	10	60	35
HSKA-040-WE12-070-CC	HSK-A 40	12	70	42
HSKA-040-WE16-075-CC	HSK-A 40	16	75	48
HSKA-050-WE06-065-CC	HSK-A 50	6	65	25
HSKA-050-WE08-065-CC	HSK-A 50	8	65	28
HSKA-050-WE10-065-CC	HSK-A 50	10	65	35
HSKA-050-WE12-080-CC	HSK-A 50	12	80	42
HSKA-050-WE14-080-CC	HSK-A 50	14	80	44
HSKA-050-WE16-080-CC	HSK-A 50	16	80	48
HSKA-050-WE18-080-CC	HSK-A 50	18	80	50
HSKA-050-WE20-080-CC	HSK-A 50	20	80	52

E.W. Equipment

HSK-A DIN 6381 FORM A

End Mill Holders DIN 6359 with coolant channel
for Weldon Type End Mills DIN 1835-B

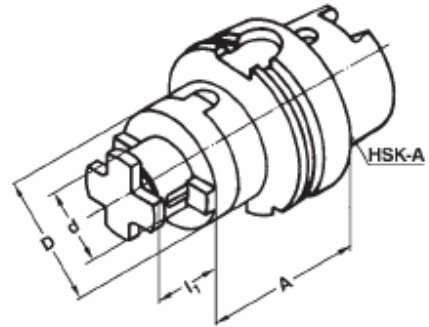


PART NUMBER	HSK	d	A	D
HSKA-063-WE06-065-CC	HSK-A 63	6	65	25
HSKA-063-WE08-065-CC	HSK-A 63	8	65	28
HSKA-063-WE10-065-CC	HSK-A 63	10	65	35
HSKA-063-WE12-080-CC	HSK-A 63	12	80	42
HSKA-063-WE14-080-CC	HSK-A 63	14	80	44
HSKA-063-WE16-080-CC	HSK-A 63	16	80	48
HSKA-063-WE18-080-CC	HSK-A 63	18	80	50
HSKA-063-WE20-080-CC	HSK-A 63	20	80	52
HSKA-063-WE32-110-CC	HSK-A 63	32	110	72
HSKA-063-WE40-125-CC	HSK-A 63	40	125	80

HSKA-080-WE06-080-CC	HSK-A 80	6	80	25
HSKA-080-WE08-080-CC	HSK-A 80	8	80	28
HSKA-080-WE10-080-CC	HSK-A 80	10	80	35
HSKA-080-WE12-080-CC	HSK-A 80	12	80	42
HSKA-080-WE14-080-CC	HSK-A 80	14	80	44
HSKA-080-WE16-100-CC	HSK-A 80	16	100	48
HSKA-080-WE18-100-CC	HSK-A 80	18	100	50
HSKA-080-WE20-100-CC	HSK-A 80	20	100	52
HSKA-080-WE25-100-CC	HSK-A 80	25	100	65
HSKA-080-WE32-110-CC	HSK-A 80	32	110	72

E.W. Equipment

HSK-A DIN 6381 FORM A Combi Shell Mill Adaptors DIN 6358



PART NUMBER	HSK	d	A	l1	D
HSKA-032-FM16-055	HSK-A 32	16	55	17	32
HSKA-032-FM22-055	HSK-A 32	22	55	19	40
HSKA-032-FM27-065	HSK-A 32	27	65	21	48
HSKA-040-FM16-050	HSK-A 40	16	50	17	32
HSKA-040-FM22-050	HSK-A 40	22	50	19	40
HSKA-040-FM27-065	HSK-A 40	27	65	21	48
HSKA-050-FM16-050	HSK-A 50	16	50	17	32
HSKA-050-FM22-050	HSK-A 50	22	50	19	40
HSKA-050-FM27-065	HSK-A 50	27	65	21	48
HSKA-050-FM32-065	HSK-A 50	32	65	24	58

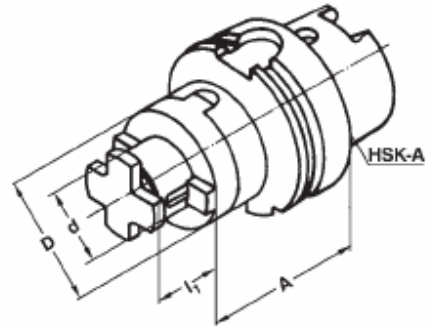
Accessories: See Section 5



WRENCH DIN 6368

E.W. Equipment

HSK-A DIN 6381 FORM A Combi Shell Mill Adaptors DIN 6358



PART NUMBER	HSK	d	A	l1	D
HSKA-063-FM16-060	HSK-A 63	16	60	17	32
HSKA-063-FM16-100	HSK-A 63	16	100	17	32
HSKA-063-FM22-060	HSK-A 63	22	60	19	40
HSKA-063-FM22-100	HSK-A 63	22	100	19	40
HSKA-063-FM27-060	HSK-A 63	27	60	21	48
HSKA-063-FM27-100	HSK-A 63	27	100	21	48
HSKA-063-FM32-060	HSK-A 63	32	60	24	58
HSKA-063-FM32-100	HSK-A 63	32	100	24	58
HSKA-063-FM40-070	HSK-A 63	40	70	27	70
HSKA-080-FM16-060	HSK-A 80	16	60	17	32
HSKA-080-FM22-060	HSK-A 80	22	60	19	40
HSKA-080-FM27-060	HSK-A 80	27	60	21	48
HSKA-080-FM32-060	HSK-A 80	32	60	24	58
HSKA-080-FM40-070	HSK-A 80	40	70	27	70

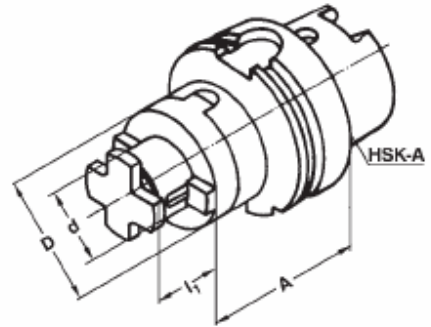
Accessories: See Section 5



WRENCH DIN 6368

E.W. Equipment

HSK-A DIN 6381 FORM A Combi Shell Mill Adaptors DIN 6358



PART NUMBER	HSK	d	A	l1	D
HSKA-100-FM16-060	HSK-A 100	16	60	17	32
HSKA-100-FM22-060	HSK-A 100	16	60	19	40
HSKA-100-FM27-060	HSK-A 100	22	60	21	48
HSKA-100-FM32-060	HSK-A 100	22	60	24	58
HSKA-100-FM40-070	HSK-A 100	27	70	27	70

Accessories: See Section 5

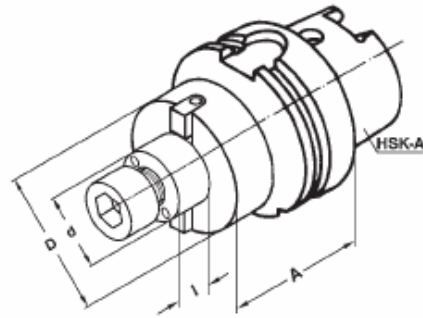


WRENCH DIN 6368

E.W. Equipment

HSK-A DIN 6381 FORM A

Shell Mill Adaptors DIN 6357 for cutters with driving slot

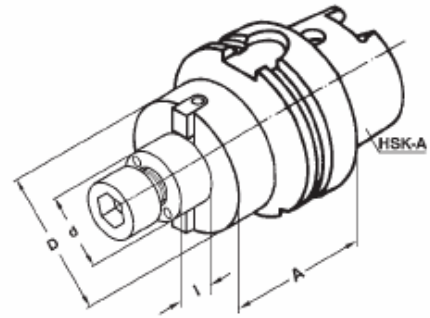


PART NUMBER	HSK	d	A	l1	D
HSKA-050-SM16-050	HSK-A 50	16	50	17	38
HSKA-050-SM22-060	HSK-A 50	22	60	19	48
HSKA-050-SM27-060	HSK-A 50	27	60	21	58
HSKA-050-SM32-060	HSK-A 50	32	60	24	78
HSKA-063-SM16-050	HSK-A 63	16	50	17	38
HSKA-063-SM16-100	HSK-A 63	16	100	17	38
HSKA-063-SM22-050	HSK-A 63	22	50	19	48
HSKA-063-SM22-100	HSK-A 63	22	100	19	48
HSKA-063-SM27-060	HSK-A 63	27	60	21	58
HSKA-063-SM27-100	HSK-A 63	27	100	21	58
HSKA-063-SM32-060	HSK-A 63	32	60	24	78
HSKA-063-SM32-100	HSK-A 63	32	100	24	78
HSKA-063-SM40-060	HSK-A 63	40	60	27	88
HSKA-063-SM40-100	HSK-A 63	40	100	27	88
HSKA-080-SM22-050	HSK-A 80	22	50	19	48
HSKA-080-SM27-050	HSK-A 80	27	50	21	58
HSKA-080-SM32-060	HSK-A 80	32	60	24	78
HSKA-080-SM40-060	HSK-A 80	40	60	27	88

E.W. Equipment

HSK-A DIN 6381 FORM A

Shell Mill Adaptors DIN 6357 for cutters with driving slot

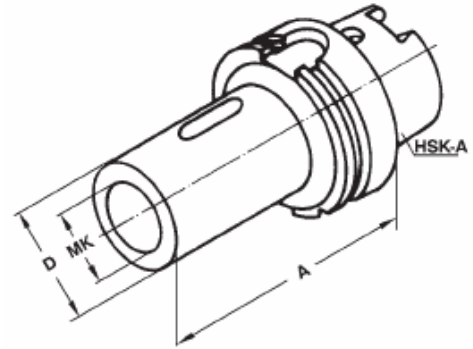


PART NUMBER	HSK	d	A	l1	D
HSKA-100-SM22-050	HSK-A 100	22	50	17	38
HSKA-100-SM27-050	HSK-A 100	27	50	19	48
HSKA-100-SM32-050	HSK-A 100	32	50	21	58
HSKA-100-SM40-060	HSK-A 100	40	60	24	78
HSKA-100-SM60-070	HSK-A 100	60	70	40	130

E.W. Equipment

HSK-A DIN 6381 FORM A

Morse Taper Adaptors DIN 6383



PART NUMBER	HSK	MK	A	D
HSKA-050-MT01-100	HSK-A 50	1	100	25
HSKA-050-MT02-120	HSK-A 50	2	120	32
HSKA-050-MT03-140	HSK-A 50	3	140	40

HSKA-063-MT01-100	HSK-A 63	1	100	25
HSKA-063-MT02-120	HSK-A 63	2	120	32
HSKA-063-MT03-140	HSK-A 63	3	140	40
HSKA-063-MT04-160	HSK-A 63	4	160	48

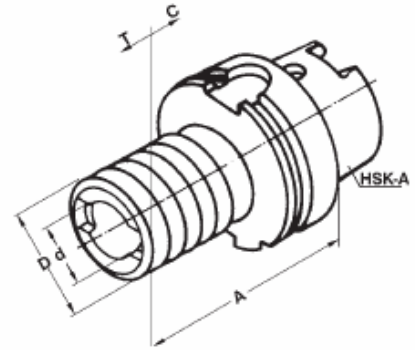
HSKA-080-MT01-110	HSK-A 80	1	110	25
HSKA-080-MT02-120	HSK-A 80	2	120	32
HSKA-080-MT03-150	HSK-A 80	3	150	40
HSKA-080-MT04-170	HSK-A 80	4	170	48

HSKA-100-MT01-110	HSK-A 100	1	110	25
HSKA-100-MT02-120	HSK-A 100	2	120	32
HSKA-100-MT03-150	HSK-A 100	3	150	40
HSKA-100-MT04-170	HSK-A 100	4	170	48
HSKA-100-MT05-200	HSK-A 100	5	200	63

E.W. Equipment

HSK-A DIN 6381 FORM A

Quick-Change Tapping Heads with length compensation



PART NUMBER	HSK	CAPACITY	A	D	d	C	T
HSKA-050-TH01-072TC	HSK-A 50	M3 - M14	72	38	19	7	7
HSKA-050-TH02-110TC	HSK-A 50	M5 - M22	110	54	31	12	12
HSKA-063-TH01-072TC	HSK-A 63	M3 - M14	72	38	19	7	7
HSKA-063-TH02-110TC	HSK-A 63	M5 - M22	110	54	31	12	12
HSKA-100-TH01-080TC	HSK-A 100	M3 - M14	80	38	19	7	7
HSKA-100-TH02-110TC	HSK-A 100	M5 - M22	110	54	31	12	12

Accessories: See Section 5

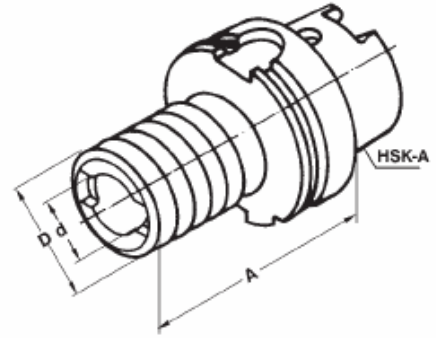


TAP ADAPTORS

E.W. Equipment

HSK-A DIN 6381 FORM A

Quick-Change Tapping Heads without length compensation (Rigid)



PART NUMBER	HSK	CAPACITY	A	D	d
HSKA-050-TH01-065RG	HSK-A 50	M3 - M14	65	38	19
HSKA-050-TH02-100RG	HSK-A 50	M5 - M22	100	54	31
HSKA-063-TH01-065RG	HSK-A 63	M3 - M14	65	38	19
HSKA-063-TH02-100RG	HSK-A 63	M5 - M22	100	54	31
HSKA-100-TH01-073RG	HSK-A 100	M3 - M14	73	38	19
HSKA-100-TH02-090RG	HSK-A 100	M5 - M22	90	54	31

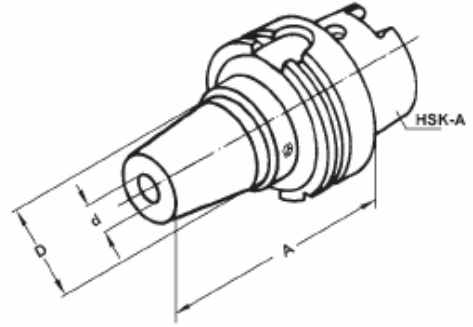
Accessories: See Section 5



TAP ADAPTORS

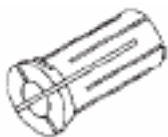
E.W. Equipment

HSK-A DIN 6381 FORM A Hydraulic Chucks



PART NUMBER	HSK	d	A	D
HSKA-040-HD06-070	HSK-A 40	6	70	34
HSKA-040-HD08-070	HSK-A 40	8	70	34
HSKA-040-HD10-075	HSK-A 40	10	75	34
HSKA-040-HD12-080	HSK-A 40	12	80	34
HSKA-050-HD06-070	HSK-A 50	6	70	40
HSKA-050-HD08-070	HSK-A 50	8	70	40
HSKA-050-HD10-075	HSK-A 50	10	75	40
HSKA-050-HD12-085	HSK-A 50	12	85	40
HSKA-050-HD14-085	HSK-A 50	14	85	40
HSKA-050-HD16-090	HSK-A 50	16	90	42
HSKA-050-HD18-090	HSK-A 50	18	90	42
HSKA-050-HD20-090	HSK-A 50	20	90	42

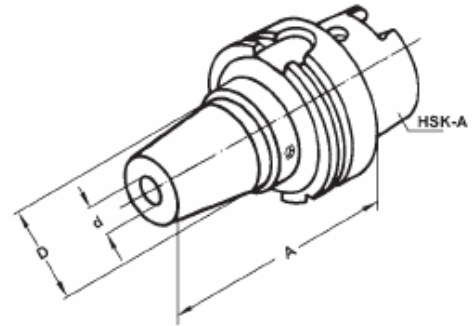
Accessories: See Section 5



REDUCING SLEEVES

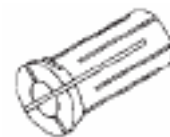
E.W. Equipment

HSK-A DIN 6381 FORM A Hydraulic Chucks



PART NUMBER	HSK	d	A	D
HSKA-063-HD06-070	HSK-A 63	6	70	50
HSKA-063-HD08-070	HSK-A 63	8	70	50
HSKA-063-HD10-080	HSK-A 63	10	80	50
HSKA-063-HD12-085	HSK-A 63	12	85	50
HSKA-063-HD14-085	HSK-A 63	14	85	50
HSKA-063-HD16-090	HSK-A 63	16	90	50
HSKA-063-HD18-090	HSK-A 63	18	90	50
HSKA-063-HD20-090	HSK-A 63	20	90	50
HSKA-063-HD25-110	HSK-A 63	25	110	53
HSKA-063-HD32-125	HSK-A 63	32	125	53

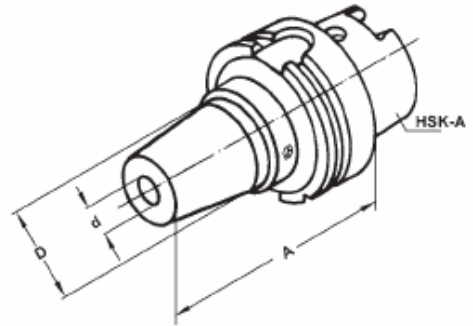
Accessories: See Section 5



REDUCING SLEEVES

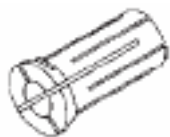
E.W. Equipment

HSK-A DIN 6381 FORM A Hydraulic Chucks



PART NUMBER	HSK	d	A	D
HSKA-080-HD06-070	HSK-A 80	6	70	50
HSKA-080-HD08-070	HSK-A 80	8	70	50
HSKA-080-HD10-080	HSK-A 80	10	80	50
HSKA-080-HD12-085	HSK-A 80	12	85	50
HSKA-080-HD14-085	HSK-A 80	14	85	50
HSKA-080-HD16-095	HSK-A 80	16	95	50
HSKA-080-HD18-095	HSK-A 80	18	95	50
HSKA-080-HD20-095	HSK-A 80	20	95	50
HSKA-080-HD25-115	HSK-A 80	25	115	57
HSKA-080-HD32-125	HSK-A 80	32	125	67

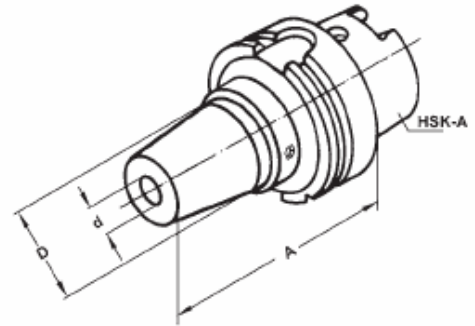
Accessories: See Section 5



REDUCING SLEEVES

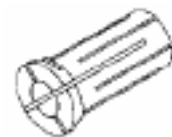
E.W. Equipment

HSK-A DIN 6381 FORM A Hydraulic Chucks



PART NUMBER	HSK	d	A	D
HSKA-100-HD06-085	HSK-A 100	6	85	50
HSKA-100-HD08-085	HSK-A 100	8	85	50
HSKA-100-HD10-090	HSK-A 100	10	90	50
HSKA-100-HD12-095	HSK-A 100	12	95	50
HSKA-100-HD14-095	HSK-A 100	14	95	50
HSKA-100-HD16-100	HSK-A 100	16	100	50
HSKA-100-HD18-100	HSK-A 100	18	100	50
HSKA-100-HD20-105	HSK-A 100	20	105	50
HSKA-100-HD25-115	HSK-A 100	25	115	57
HSKA-100-HD32-120	HSK-A 100	32	120	67

Accessories: See Section 5



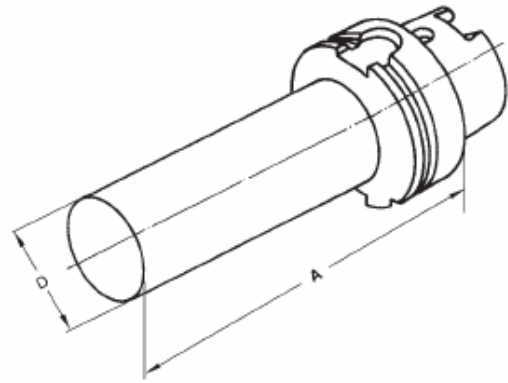
REDUCING SLEEVES

4.20

E.W.Equipment

HSK-A DIN 6381 FORM A

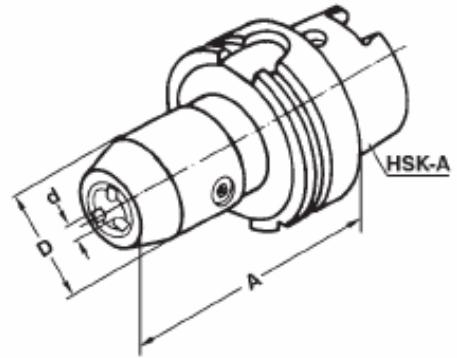
Boring Bar Blanks for the production of special tools



PART NUMBER	HSK	D	A
HSKA-032-BB32.5-100	HSK-A 32	32.5	100
HSKA-040-BB40.5-160	HSK-A 40	40.5	160
HSKA-050-BB50.5-200	HSK-A 50	50.5	200
HSKA-063-BB63.5-250	HSK-A 63	63.5	250
HSKA-080-BB80.5-250	HSK-A 80	80.5	250
HSKA-100-BB95.5-250	HSK-A 100	95.5	250

E.W. Equipment

HSK-A DIN 6381 FORM A NC-Drill Chucks for left and right rotation

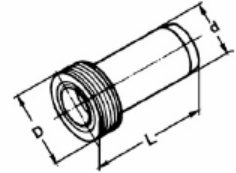


PART NUMBER	HSK	CENTRE COOLANT	d CAPACITY	A	D
HSKA-050-DC13-116	HSK-A 50	NO	1-13	116	50
HSKA-050-DC16-116	HSK-A 50	NO	3-16	116	57
HSKA-063-DC13-104	HSK-A 63	NO	1-13	104	50
HSKA-063-DC16-104	HSK-A 63	NO	3-16	104	57
HSKA-063-DC13-104CC	HSK-A 63	YES	1-13	104	50
HSKA-063-DC16-104CC	HSK-A 63	YES	3-16	104	57
HSKA-080-DC13-109	HSK-A 80	NO	1-13	109	50
HSKA-080-DC16-109	HSK-A 80	NO	3-16	109	57
HSKA-080-DC13-109CC	HSK-A 80	YES	1-13	109	50
HSKA-080-DC16-109CC	HSK-A 80	YES	3-16	109	57
HSKA-100-DC13-111	HSK-A 100	NO	1-13	111	50
HSKA-100-DC16-111	HSK-A 100	NO	3-16	111	57
HSKA-100-DC13-111CC	HSK-A 100	YES	1-13	111	50
HSKA-100-DC16-111CC	HSK-A 100	YES	3-16	111	57

**Includes:
Hexagon wrench.**

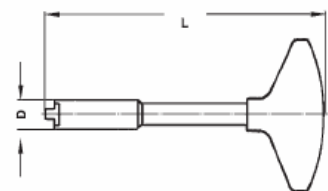
E.W. Equipment

HSK-A DIN 6381 Delivery Unit for Coolant



PART NUMBER	HSK	D	d	L
HSK-032-CT	HSK 32	M10x1	6	26
HSK-040-CT	HSK 40	M12x1	8	29.5
HSK-050-CT	HSK 50	M16x1	10	33
HSK-063-CT	HSK 63	M18x1	12	34.5
HSK-080-CT	HSK 80	M20x1.5	14	40
HSK-100-CT	HSK 100	M24x1.5	16	44

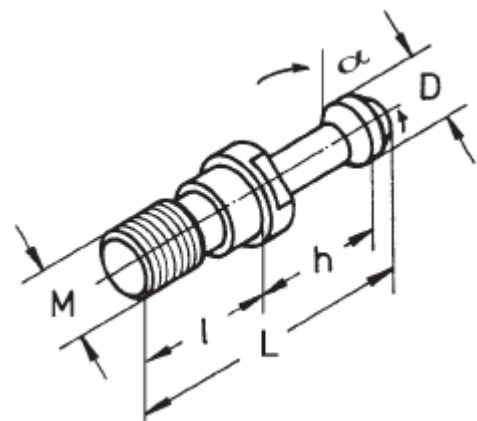
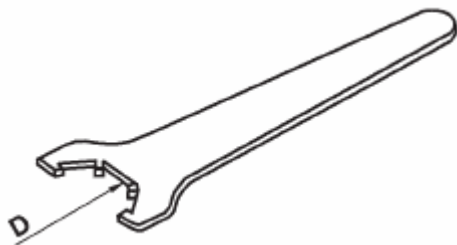
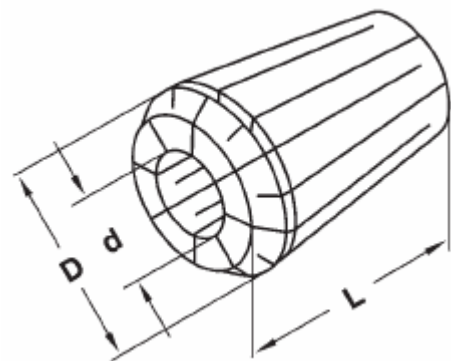
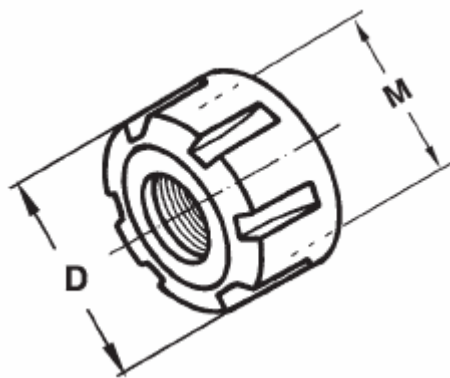
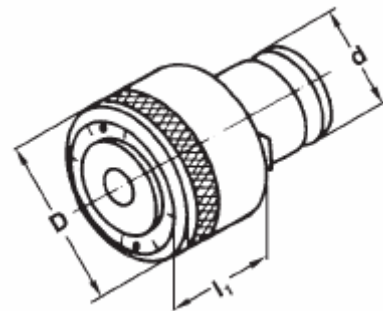
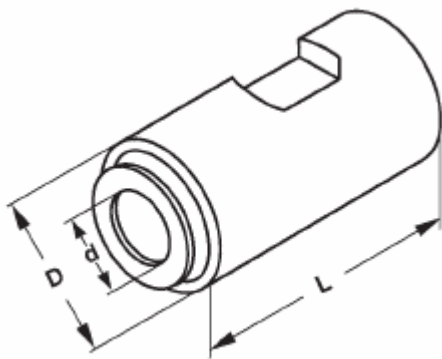
HSK-A DIN 6381 Socket Wrench for Connection



PART NUMBER	HSK	D	L
HSK-032-SW	HSK 32	8.5	115
HSK-040-SW	HSK 40	10.5	115
HSK-050-SW	HSK 50	14.5	115
HSK-063-SW	HSK 63	16.5	136
HSK-080-SW	HSK 80	18.5	136
HSK-100-SW	HSK 100	22	136

SECTION 5

ACCESSORIES

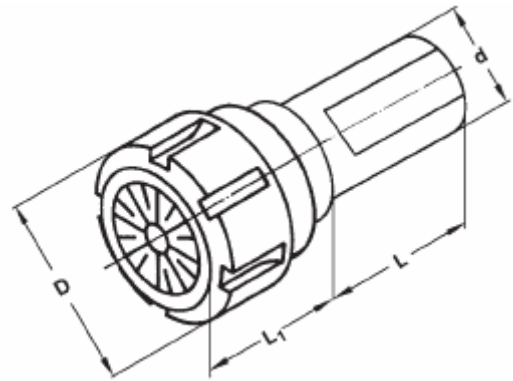


5.01

E.W. Equipment

ACCESSORIES

Collet Chuck with Straight Shank



PART NUMBER	d	CAPACITY	L	L1	D
SS16-ER16-150	16	ER16 1-10	150	30	32
SS20-ER25-150	20	ER25 1-16	150	40	42
SS32-ER32-155	32	ER32 2-20	150	35	50

Accessories: See this Section



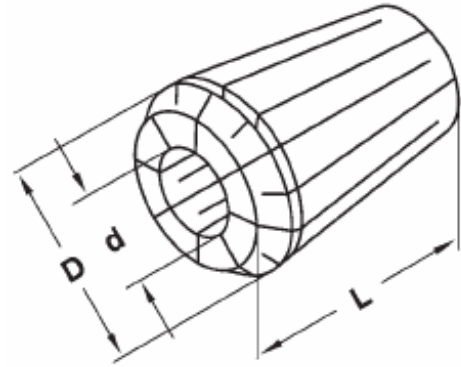
ER-COLLETS

ER-WRENCH

E.W. Equipment

ACCESSORIES

ER Spring Collets DIN 6499-B (430 E)



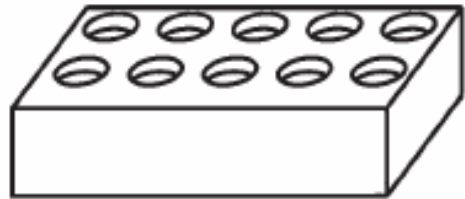
PART NUMBER	D	L	RANGE d	STEPS
ER8	8.5	13.5	1.0 - 2.5	0.5
			3.0 - 5.0	0.5
ER11	11.5	18	1.0 - 2.5	0.5
			3.0 - 7.0	0.5
ER16	17	27	1.0 - 2.5	0.5
			3.0 - 10.0	1.0
ER20	21	31	1.0 - 2.5	0.5
			3.0 - 13.0	1.0
ER25	26	35	1.0 - 2.5	0.5
			3.0 - 16.0	1.0
ER32	33	40	1.0 - 2.5	0.5
			3.0 - 20.0	1.0
ER40	41	46	3.0 - 30.0	1.0

5.03

E.W. Equipment

ACCESSORIES

ER Spring Collet Sets DIN 6499-B (430 E) in Wooden Tray

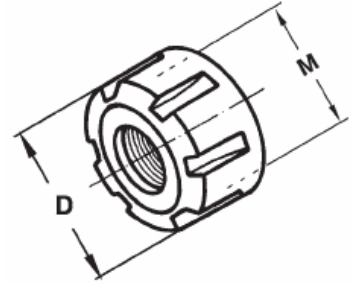


PART NUMBER	COLLETS IN SET	RANGE d
ER8 - SET	9	1.0 - 5.0
ER11 - SET	13	1.0 - 7.0
ER16 - SET	10	1.0 - 10.0
ER20 - SET	12	2.0 - 13.0
ER25 - SET	15	2.0 - 16.0
ER32 - SET	18	3.0 - 20.0
ER40 - SET	23	4.0 - 26.0

E.W. Equipment

ACCESSORIES

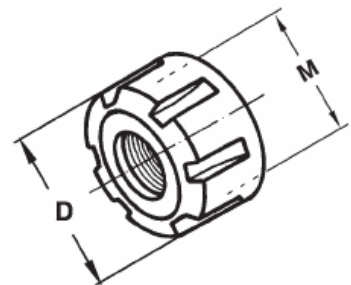
Clamping nuts ER DIN 6499 Balanced



PART NUMBER	ER	D	THREAD M
NUT-ER16-BAL	16	32	M22X1.5
NUT-ER25-BAL	25	42	M32X1.5
NUT-ER32-BAL	32	50	M40X1.5
NUT-ER40-BAL	40	63	M50X1.5

ACCESSORIES

Clamping nuts ER DIN 6499 Ball Bearing Version



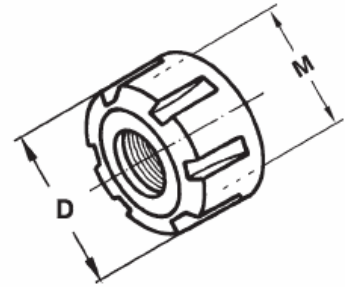
PART NUMBER	ER	D	THREAD M
NUT-ER16-BB	16	30MM Hex Type - 27MM X Flats	M22X1.5
NUT-ER25-BB	25	42	M32X1.5
NUT-ER32-BB	32	50	M40X1.5
NUT-ER40-BB	40	63	M50X1.5

5.05

E.W. Equipment

ACCESSORIES

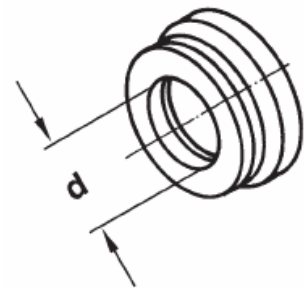
Clamping nuts ER DIN 6499 for Sealing Discs



PART NUMBER	ER	D	THREAD M
NUT-ER16-SD	16	28MM Hex Type - 25MM X Flats	M22X1.5
NUT-ER25-SD	25	42	M32X1.5
NUT-ER32-SD	32	50	M40X1.5
NUT-ER40-SD	40	63	M50X1.5

ACCESSORIES

Sealing Discs for ER SD Nuts

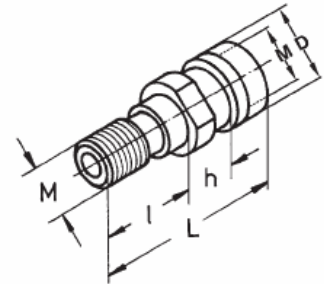


PART NUMBER	ER	d	STEPS
SD-ER16	16	3.0 - 10.0	0.5
SD-ER25	25	3.0 - 16.0	0.5
SD-ER32	32	3.0 - 20.0	0.5
SD-ER40	40	3.0 - 26.0	0.5

E.W. Equipment

ACCESSORIES

Pull Studs (Converter Type) DIN 2080 - with Internal Screw Thread

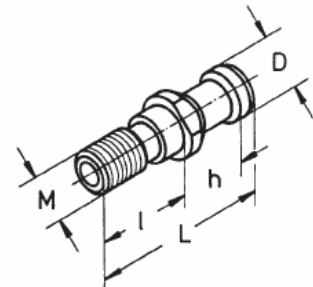


PART NUMBER	SIZE	D	M	l	L	h
P/STUD-DIN2080-M16	M16	25	M16	28	53	13.7

P/STUD-DIN2080-M24	M24	39.2	M24	40	65	13
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ACCESSORIES

Pull Studs DIN 69872 A + B



PART NUMBER	FORM	SIZE	D	M	l	L	h
P/STUD-DV30A	A	M12	13	M12	20	44	19
P/STUD-DV40A	A	M16	19	M16	28	54	20
P/STUD-DV50A	A	M24	28	M24	40	74	25

P/STUD-DV40B	B	M16	19	M16	28	54	20
P/STUD-DV50B	B	M24	28	M24	40	74	25

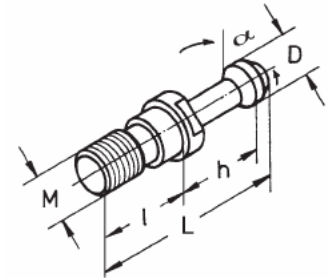
DIN69872 Form B Inc. O-ring

5.07

E.W. Equipment

ACCESSORIES

Pull Studs (Solid) MAS BT



PART NUMBER	SIZE	D	M	l	L	h
P/STUD-BT30-MAS 1	M12 - 45°	11	M12	20	43	18
P/STUD-BT30-MAS 2	M12 - 60°	11	M12	20	43	18
P/STUD-BT30-MAS 3	M12 - 90°	11	M12	20	43	18

P/STUD-BT40-MAS 1	M16 - 45°	15	M16	25	60	28
P/STUD-BT40-MAS 2	M16 - 60°	15	M16	25	60	28
P/STUD-BT40-MAS 3	M16 - 90°	15	M16	25	60	28

P/STUD-BT50-MAS 1	M24 - 45°	23	M24	40	85	35
P/STUD-BT50-MAS 2	M24 - 60°	23	M24	40	85	35
P/STUD-BT50-MAS 3	M24 - 90°	23	M24	40	85	35

Pull Studs (With Through Hole & O-Ring) MAS BT

PART NUMBER	SIZE	D	M	l	L	h
P/STUD-BT40-MAS 1 H	M12 - 45°	15	M16	25	60	28
P/STUD-BT40-MAS 2 H	M12 - 60°	15	M16	25	60	28
P/STUD-BT40-MAS 3 H	M12 - 90°	15	M16	25	60	28

P/STUD-BT50-MAS 1 H	M24 - 45°	23	M24	40	85	35
P/STUD-BT50-MAS 2 H	M24 - 60°	23	M24	40	85	35
P/STUD-BT50-MAS 3 H	M24 - 90°	23	M24	40	85	35

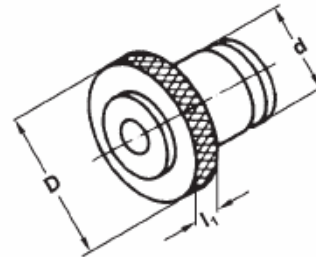
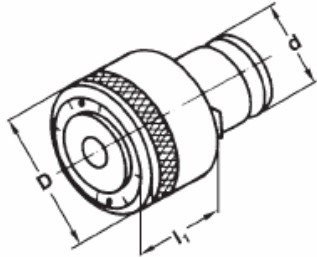
Other types of Pull Stud are available - Please contact us for details.

E.W. Equipment

ACCESSORIES

Tap Adaptors with Slipping Clutch

Tap Adaptors without Clutch (Solid)



PART NUMBER	D	d	l1
TAC01-M3 (3.5X2.7)	32	19	25
TAC01-M3.5 (4X3)	32	19	25
TAC01-M4 (4.5X3.4)	32	19	25
TAC01-M5-M6 (6X4.9)	32	19	25
TAC01-M8 (8X6.2)	32	19	25
TAC01-M10 (7X5.5)	32	19	25
TAC01-M10 (10X8)	32	19	25
TAC01-M12 (9X7)	32	19	25
TAC01-M14 (11X9)	32	19	25

PART NUMBER	D	d	l1
TAS01-M3 (3.5X2.7)	30	19	5
TAS01-M3.5 (4X3)	30	19	5
TAS01-M4 (4.5X3.4)	30	19	5
TAS01-M5-M6 (6X4.9)	30	19	5
TAS01-M8 (8X6.2)	30	19	5
TAS01-M10 (7X5.5)	30	19	5
TAS01-M10 (10X8)	30	19	5
TAS01-M12 (9X7)	30	19	5
TAS01-M14 (11X9)	30	19	5

TAC02-M5-M6 (6X4.9)	50	31	31
TAC02-M8 (8X6.2)	50	31	31
TAC02-M10 (7X5.5)	50	31	31
TAC02-M10 (10X8)	50	31	31
TAC02-M12 (9X7)	50	31	31
TAC02-M14 (11X9)	50	31	31
TAC02-M16 (12X9)	50	31	31
TAC02-M18 (14X11)	50	31	31
TAC02-M20 (16X12)	50	31	31
TAC02-M22 (18X14.5)	50	31	31

TAS02-M5-M6 (6X4.9)	50	31	6
TAS02-M8 (8X6.2)	50	31	6
TAS02-M10 (7X5.5)	50	31	6
TAS02-M10 (10X8)	50	31	6
TAS02-M12 (9X7)	50	31	6
TAS02-M14 (11X9)	50	31	6
TAS02-M16 (12X9)	50	31	6
TAS02-M18 (14X11)	50	31	6
TAS02-M20 (16X12)	50	31	6
TAS02-M22 (18X14.5)	50	31	6

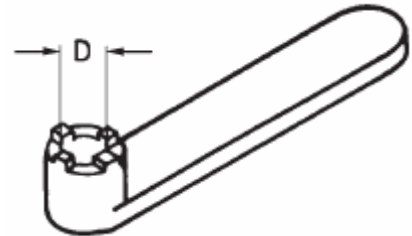
TAC03-M14 (11X9)	72	48	41
TAC03-M16 (12X9)	72	48	41
TAC03-M18 (14X11)	72	48	41
TAC03-M20 (16X12)	72	48	41
TAC03-M22-M24 (18X14.5)	72	48	41
TAC03-M27 (20X16)	72	48	41
TAC03-M30 (22X18)	72	48	41
TAC03-M33 (25X20)	72	48	41
TAC03-M36 (28X22)	72	48	41

TAS03-M14 (11X9)	63	48	6
TAS03-M16 (12X9)	63	48	6
TAS03-M18 (14X11)	63	48	6
TAS03-M20 (16X12)	63	48	6
TAS03-M22-M24 (18X14.5)	63	48	6
TAS03-M27 (20X16)	63	48	6
TAS03-M30 (22X18)	63	48	6
TAS03-M33 (25X20)	63	48	6
TAS03-M36 (28X22)	63	48	6

E.W. Equipment

ACCESSORIES

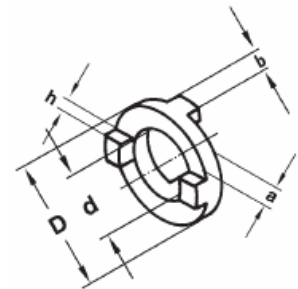
Wrench DIN 6368



PART NUMBER	D
WRENCH-FMA-16	16/M8
WRENCH-FMA-22	22/M10
WRENCH-FMA-27	27/M12
WRENCH-FMA-32	32/M16
WRENCH-FMA-40	40/M20

ACCESSORIES

Clutch drive rings DIN 6366

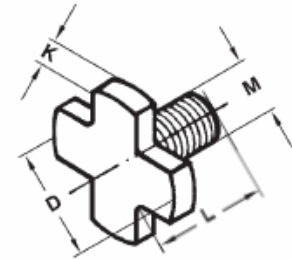


PART NUMBER	d	D	a	b	h
CDR-FMA-16	16	32	10	8	5
CDR-FMA-22	22	40	12	10	5.6
CDR-FMA-27	27	46	12	12	6.3
CDR-FMA-32	32	55	14	14	7
CDR-FMA-40	40	68	14	16	8

E.W. Equipment

ACCESSORIES

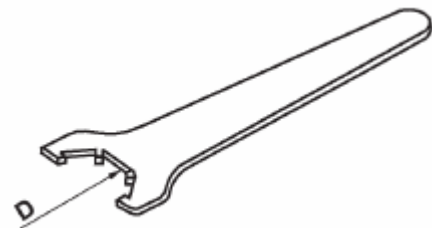
Draw-in bolt DIN 6367



PART NUMBER	SIZE	M	D	K	L
DIB-FMA-16	16	M8	20	6	16
DIB-FMA-22	22	M10	28	7	18
DIB-FMA-27	27	M12	35	8	22
DIB-FMA-32	32	M16	42	6	26
DIB-FMA-40	40	M20	52	10	30
DIB-FMA-50	50	M24	63	12	36
DIB-FMA-60	60	M30	75	14	45

ACCESSORIES

Wrench ER

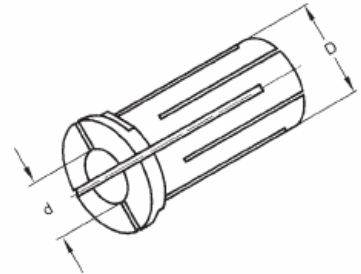


PART NUMBER	SIZE	D
WRENCH-ER16 (28MM)	1 - 10 (ER16)	25MM A/F For Hex Type Nut
WRENCH-ER16	1 - 10 (ER16)	32
WRENCH-ER16 (30MM)	1 - 10 (ER16)	27MM A/F For Hex Type Nut
WRENCH-ER25	2 - 16 (ER25)	42
WRENCH-ER32	2 - 20 (ER32)	50
WRENCH-ER40	2 - 26 (ER32)	63

E.W. Equipment

ACCESSORIES

Reducing sleeves for Hydraulic Chucks



PART NUMBER	D	d
HRS-020-004	20	4
HRS-020-005	20	5
HRS-020-006	20	6
HRS-020-008	20	8
HRS-020-010	20	10
HRS-020-012	20	12
HRS-020-014	20	14
HRS-020-016	20	16