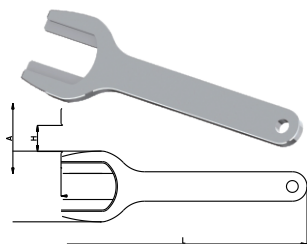
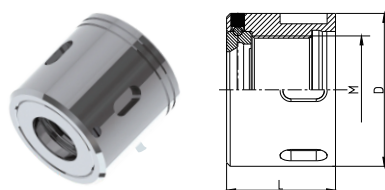


SHANK WRENCH \ NUT



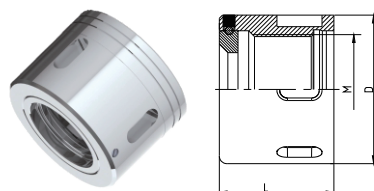
ISO shank wrench

Order type	H	L	Applicable shank
DHS-IS010	11	123.5	IS010
DHS-IS020	24	167.5	IS020
DHS-IS025	27	200	IS025
DHS-IS030	31	210	IS030



ER nut with stell balls

Order type	D	L	M
DER11B	23	11	M14X0.75
DER16B	28	27.5	M19X1.0
DER16BS	28	18.5	M19X1.0
DER20B	34	31	M25X1.5
DER20BS	34	22	M25X1.5
DER25B	42	31	M32X1.5
DER32B	51	40	M40X1.5
DER40B	63	44	M50X1.5

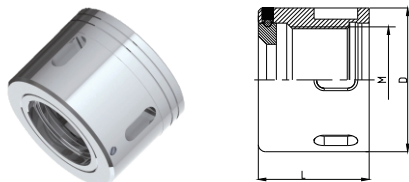


SK nut with stell balls

Order type	D	L	M
DSK6B	19.5	15	M15.5X1.0
DSK10B	27.5	17	M21. 5X1.0
DSK13B	34	23	M25X1.5
DSK16B	40	24	M32X1.5
DSK25B	50	30	M45X1.5

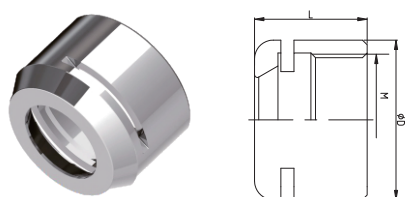
SHANK WRENCH \ NUT

KR nut with stell balls



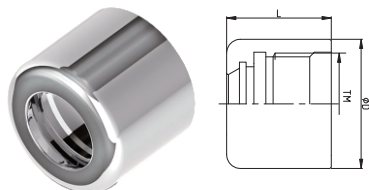
Order type	D	L	M
DKR11B	19.5	15	M15.5X1.0
DKR16B	34	25	M21.5X1.0
DKR25B	40	24	M32X1.5
DKR36B	35	30	M45X1.5

Complete-circle clamping nut



Order type	M	øD	L
DER11MS	M13x0.75	16	12
DER16MS	M19x1.0	22	17
DER20MS	M24x1.0	28	19
DER25MS	M32x1.5	42	25

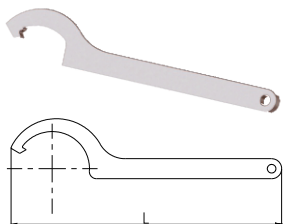
Complete-circle small-diameter nut



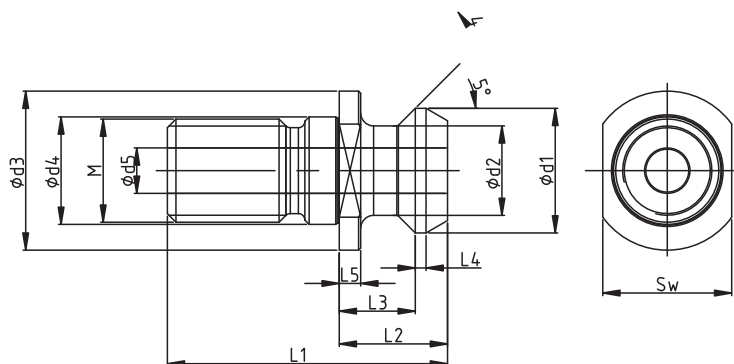
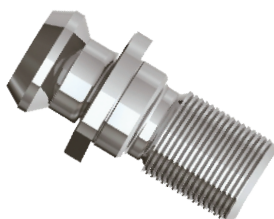
Order type	TM	øD	L
DER11S	M14x0.75	19	12
DER16S	M19x1.0	22	22
DER20S	M25x1.5	33	28

WRENCH FOR NUT \ BLIND RIVET \ WATER-OUT TUBE

ER wrench for nut with stell balls

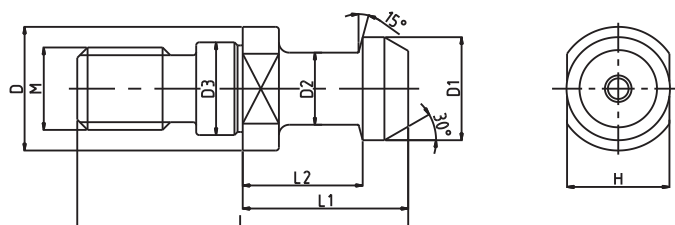


Order type	L	Applicable nut	Maximum outside diameter D of nut
DHS- DER11B	110	DER11B/DSK6B/DKR11B	18~24
DHS- DER16B	135	DER16B/DSK10B/DKR16B	28~32
DHS- DER20B	170	DSK13B/DER20B	34~36
DHS- DER25B	190	DER25B/DSK16B/DKR25B	38~42
DHS- DER32B	205	DER32B/DSK25B/DKR36B	48~56
DHS- DER40B	235	DER40B	60~65



BT blind rivet (Applicable to MAZAK machine)

Order type	d1	d2	d3	d4	d5	M	L1	L2	L3	L4	L5	SW
DLD-BT40	18.8	12.45	22	17	7	M16	44.1	19.1	14.02	152	3	19
DLD-BT50	29	20.83	37	25	10	M24	65.2	25.2	17.7	25	5	30

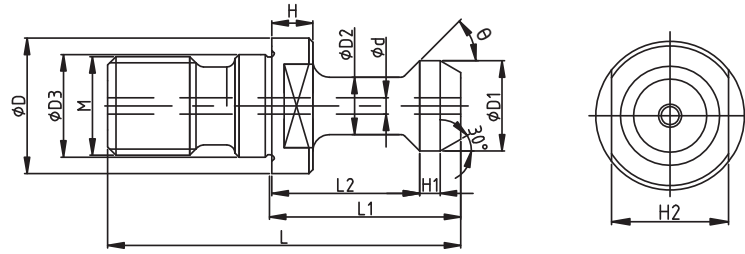
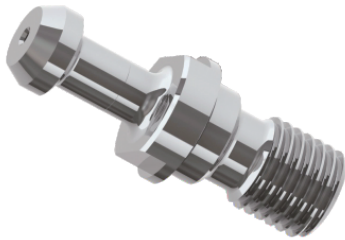


ISO blind rivet (only for engraving and milling)

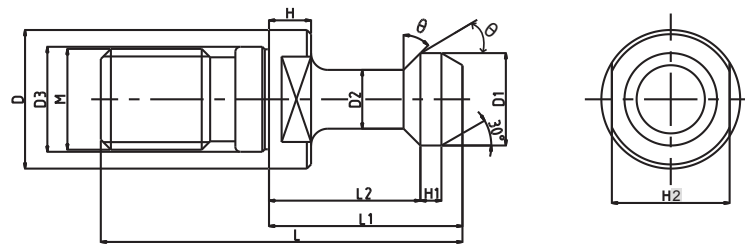
Order type	D	D1	D2	D3	M	L	L1	L2	H	Locking torque N m
DLD-ISO20	11.4	9	6	8.5	M8	26	12	9	10	9~12
DLD-ISO25	12	10	7	9	M8	32	16	11.6	10	9~12
DLD-ISO30	17	13	9	13	M12	45	24	19	14	20~25

WRENCH FOR NUT \ BLIND RIVET \ WATER-OUT TUBE

BT blind rivet (reference standard: JIS_ B6339)



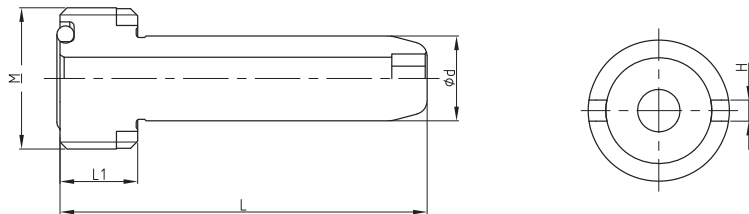
1: Applicable to center cooling



2: Not applicable to center cooling

Order type	Applicable to center cooling	Picture	D	D1	D2	D3	d	M	L	L1	L2	H	H1	H2	θ	Locking torque N.m
DID-BT30	o	1	16.5	11	7	12.5	2	M12	43	23	18	5	2.5	13	45°/60°	20~25
	-	2	16.5	11	7	12.5	-	M12	43	23	18	5	2.5	13	45°/60°	20~25
DID-BT40	o	1	23	15	10	17	4	M16	60	35	28	6	3	19	45°/60°	60~80
	-	2	23	15	10	17	-	M16	60	35	28	6	3	19	45°/60°	60~80
DID-BT50	o	1	38	23	17	25	6	M24	85	45	35	10	5	30	45°/60°	200~250
	-	2	38	23	17	25	-	M24	85	45	35	10	5	30	45°/60°	200~250

Center water-out tube (reference standard: DIN 69895)



Product characteristics:

1. Applicable to HSK series cutter holder.
2. Connect main shaft and cutter holder; main used for main shaft center water-out and guarantee the cutter holder center water-out.

Order type	M	d	L	L1	H
HSK E25	M8x1.0	5	17	4.5	1.5
HSK E32	M10x1.0	6	26	5.5	1.5
HSK E40	M12x1.0	8	29.5	7.5	2
HSK E50	M16x1.0	10	33	9.5	2
HSK E63	M18x1.0	12	36.5	11.5	2.5