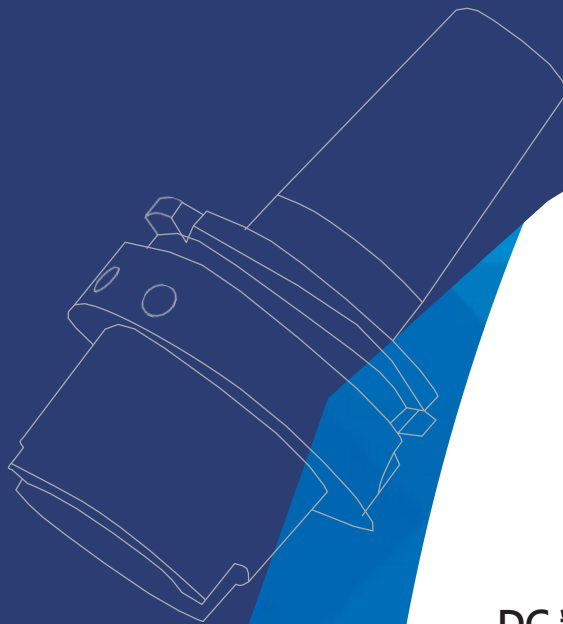


HSK TOOLHOLDER





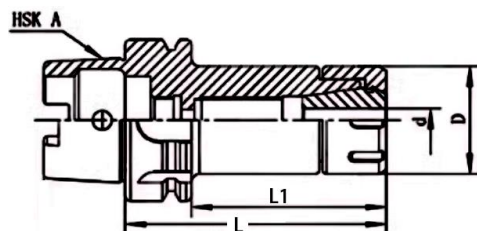
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HSK _ - ER _ 精密刀桿



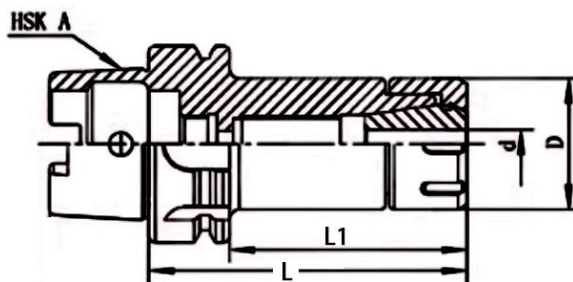
螺帽扳手
第16頁

Model No.	L	L1
HSK50A-ER16-70L	70	44
HSK50A-ER16-100L	100	74
HSK50A-ER20-70L	70	44
HSK50A-ER20-100L	100	74
HSK50A-ER25-70L	70	44
HSK50A-ER25-100L	100	74
HSK50A-ER32-80L	80	54
HSK50A-ER32-100L	100	74
HSK63A-ER11-75L	75	49
HSK63A-ER11-100L	100	74
HSK63A-ER11-130L	130	104
HSK63A-ER11-160L	160	134
HSK63A-ER16-80L	80	54
HSK63A-ER16-100L	100	74
HSK63A-ER16-130L	130	104
HSK63A-ER16-160L	160	134
HSK63A-ER16-200L	200	174
HSK63A-ER20-80L	80	54
HSK63A-ER20-100L	100	74
HSK63A-ER20-130L	130	104
HSK63A-ER20-160L	160	134
HSK63A-ER20-200L	200	174
HSK63A-ER25-80L	80	54
HSK63A-ER25-100L	100	74
HSK63A-ER25-130L	130	104
HSK63A-ER25-160L	160	134
HSK63A-ER25-200L	200	174
HSK63A-ER32-80L	80	54
HSK63A-ER32-100L	100	74
HSK63A-ER32-130L	130	104
HSK63A-ER32-160L	160	134
HSK63A-ER32-200L	200	174

Model No.	L	L1
HSK63A-ER32-250L	250	224
HSK63A-ER40-80L	80	54
HSK63A-ER40-100L	100	74
HSK63A-ER40-130L	130	104
HSK63A-ER40-160L	160	134
HSK100A-ER16-100L	80	51
HSK100A-ER16-130L	100	71
HSK100A-ER16-160L	130	101
HSK100A-ER16-200L	160	131
HSK100A-ER16-250L	250	221
HSK100A-ER20-100L	100	71
HSK100A-ER20-130L	130	101
HSK100A-ER20-160L	160	131
HSK100A-ER20-200L	200	171
HSK100A-ER20-250L	250	221
HSK100A-ER25-100L	100	71
HSK100A-ER25-130L	130	101
HSK100A-ER25-160L	160	131
HSK100A-ER25-200L	200	171
HSK100A-ER25-250L	250	221
HSK100A-ER32-100L	100	71
HSK100A-ER32-130L	130	101
HSK100A-ER32-160L	160	131
HSK100A-ER32-200L	200	171
HSK100A-ER32-250L	250	221
HSK100A-ER32-300L	300	271
HSK100A-ER40-100L	100	71
HSK100A-ER40-130L	130	101
HSK100A-ER40-160L	160	131
HSK100A-ER40-200L	200	171
HSK100A-ER40-250L	250	221
HSK100A-ER40-300L	300	271



HSK _ -GER _ 精密高速刀桿



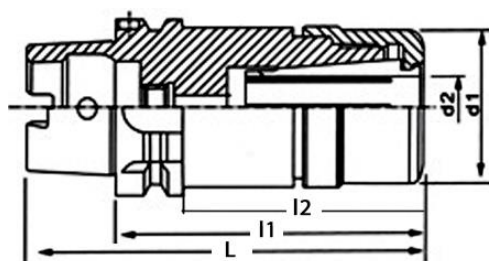
軸承扳手
第15頁

Model No.	L	L1	D
HSK40E-GER16-60	60	40	27
HSK40E-GER16-80	80	60	27
HSK40E-GER20-60	60	40	35
HSK40E-GER20-80	80	60	35
HSK50E-GER16-70	70	44	27
HSK50E-GER20-70	70	44	35
HSK50E-GER25-70	70	44	40
HSK50E-GER32-70	70	44	50
HSK50E-GER16-100	100	74	27
HSK50E-GER20-100	100	74	35
HSK50E-GER25-100	100	74	40
HSK50E-GER32-100	100	74	50
HSK63A-GER16-80	80	54	27
HSK63A-GER16-100	100	74	27
HSK63A-GER16-130	130	104	27
HSK63A-GER16-160	160	134	27
HSK63A-GER16-200	200	174	27
HSK63A-GER20-80	80	54	35
HSK63A-GER20-100	100	74	35
HSK63A-GER20-130	130	104	35
HSK63A-GER20-160	160	134	35
HSK63A-GER20-200	200	174	35
HSK63A-GER25-80	80	54	40
HSK63A-GER25-100	100	74	40

Model No.	L	L1	D
HSK63A-GER25-130	130	104	40
HSK63A-GER25-160	160	134	40
HSK63A-GER25-200	200	174	40
HSK63A-GER32-80	80	54	50
HSK63A-GER32-100	100	74	50
HSK63A-GER32-130	130	104	50
HSK63A-GER32-160	160	134	50
HSK63A-GER32-200	200	174	50
HSK100A-ER16-100L	80	51	27
HSK100A-ER16-130L	100	130	27
HSK100A-ER16-160L	130	160	27
HSK100A-ER16-200L	160	200	27
HSK100A-ER16-250L	250	250	27
HSK100A-ER20-100L	100	100	35
HSK100A-ER20-130L	130	130	35
HSK100A-ER20-160L	160	160	35
HSK100A-ER20-250L	250	250	35
HSK100A-ER25-100L	100	100	40
HSK100A-ER25-130L	130	130	40
HSK100A-ER25-160L	160	160	40
HSK100A-ER25-200L	200	200	40
HSK100A-ER32-100L	100	100	50
HSK100A-ER32-130L	130	130	50
HSK100A-ER32-160L	160	160	50



HSK _ -SK _ 精密高速刀桿



Model No.	l1	l2	D1
HSK40E-GSK10-60	60	40	27
HSK40E-GSK10-70	70	50	27
HSK40E-SK10-70	70	50	27
HSK50E-SK06-70	70	44	19
HSK50E-SK10-70	70	44	27
HSK50E-SK16-80	80	54	40
HSK50A-SK10-80	80	54	27
HSK50A-SK10-120	120	94	27
HSK50A-SK16-80	80	54	40
HSK50A-SK16-120	120	94	40
HSK63A-SK06-70L	70	44	19
HSK63A-SK06-100L	100	74	19
HSK63A-SK06-130L	130	104	19
HSK63A-SK10-70L	70	44	27
HSK63A-SK10-100L	100	74	27
HSK63A-SK10-130L	130	104	27
HSK63A-SK10-160L	160	134	27

Model No.	l1	l2	D1
HSK63A-SK16-70L	70	44	40
HSK63A-SK16-100L	100	74	40
HSK63A-SK16-130L	130	104	40
HSK63A-SK16-160L	160	134	40
HSK63A-SK20-70L	70	44	48
HSK63A-SK20-100L	100	74	48
HSK63A-SK20-130L	130	104	48
HSK63A-SK20-160L	160	134	48
HSK50A-SK10-80L	80	54	27
HSK100A-SK10-100L	100	71	27
HSK100A-SK10-130L	130	101	27
HSK100A-SK10-160L	160	131	27
HSK100A-SK16-100L	100	71	40
HSK100A-SK16-130L	130	101	40
HSK100A-SK16-160L	160	131	40
HSK100A-SK16-200L	200	171	40
HSK100A-SK20-100L	100	71	48



軸承扳手
第15頁

SK 筒夾 SK Collet



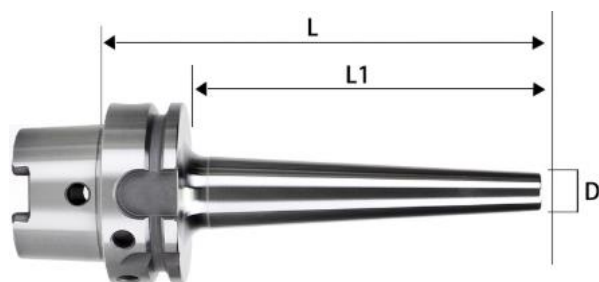
Features:

- Made of special elastic steel: 65Mn
- Hardness: HRC44-48
- AA0.008 / AAA0.005 / AAAA0.003

尺寸	d	D	L	Weight(kg)
SK06-	1/2/2.5/3/3.175/3.5/4/4.5/5/5.5/6	10.4	25.0	0.01
SK10-	1/2/2.5/3/3.175/3.5/4/4.5/5/5.5/6 7/7.5/8/8.5/9/9.5/10	15.6	30.0	0.02
SK16-	1/2/2.5/3/3.175/3.5/4/4.5/5/5.5/6 7/7.5/8/8.5/9/9.5/10/11/12/13/14/15/16	24.5	45.0	0.08
SK20-	6/8/10/12/16/18/20	29.1	50.5	0.14



HSK _ -DC _ 後拉刀桿



Model No.	L	L1
HSK32E-DC06-60	60	40
HSK32E-DC06-80	80	60
HSK40E-DC06-60	60	40
HSK40E-DC06-80	80	60
HSK50E-DC06-80	80	54
HSK50E-DC08-80	80	54
HSK50E-DC06-110	110	84
HSK50E-DC08-110	80	54
HSK40A-DC06-80	80	60
HSK40A-DC06-110	110	90
HSK50A-DC06-80	80	54
HSK50A-DC04-90L	90	64
HSK50A-DC04-120L	120	94
HSK50A-DC06-110	110	84
HSK50A-DC08-80	80	54
HSK50A-DC08-110	110	84
HSK63A-DC06-100	100	74
HSK63A-DC06-120	120	94

Model No.	L	L1
HSK63A-DC06-150	150	124
HSK63A-DC06-200	200	174
HSK63A-DC08-100	100	74
HSK63A-DC08-120	120	94
HSK63A-DC08-150	150	124
HSK63A-DC08-200	200	174
HSK63A-DC12-100	100	74
HSK63A-DC12-120	120	94
HSK63A-DC12-150	150	124
HSK100A-DC06-150L	150	121
HSK100A-DC06-200L	200	171
HSK100A-DC08-120L	120	91
HSK100A-DC08-150L	150	121
HSK100A-DC08-200L	200	171
HSK100A-DC12-120L	120	91
HSK100A-DC12-150L	150	121
HSK100A-DC12-200L	200	171

DC 後拉筒夾 Collet

Features:

- Made of special elastic steel: 65Mn
- Hardness: HRC44-48

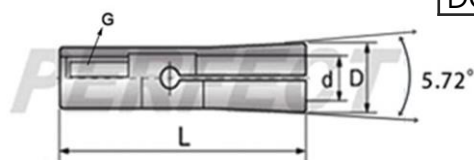


筒夾尺寸	L	D	G	kg	使用六角板手
DC4	31	7		0.01	M3
DC6	36	9.6	M5*0.8P	0.01	M4
DC8	45	15	M6*1.0P	0.02	M5
DC12	60	22	M10*1.5P	0.07	M8

DC6
DC6-2
DC6-3
DC6-3.175
DC6-3.5
DC6-4
DC6-4.5
DC6-5
DC6-5.5
DC6-6

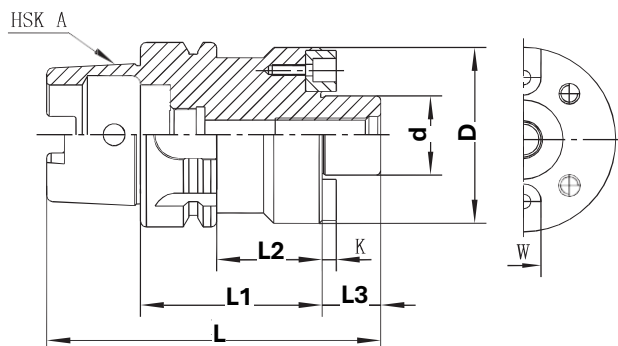
DC8
DC8-3
DC8-3.175
DC8-3.5
DC8-4
DC8-4.5
DC8-5
DC8-5.5
DC8-6
DC8-6.5
DC8-8
DC8-10

DC12
DC12-3
DC12-3.175
DC12-3.5
DC12-4
DC12-4.5
DC12-5
DC12-5.5
DC12-6
DC12-6.5
DC12-8
DC12-10
DC12-12



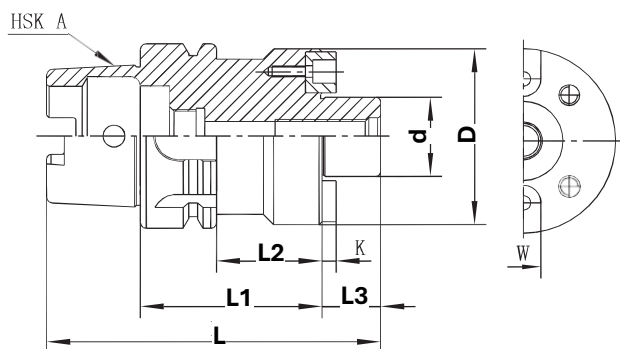


HSK _-FMA _ 平面銑刀桿



Model No.		L	L1	L2	L3	d	D	K	w
HSK63A	FMA25.4-50	102	50	24	20	25.4	50	4.52	9.52
	FMA25.4-100	152	100	74	20	25.4	50	4.52	9.52
	FMA31.75-60	114	60	34	22	31.75	60	6.7	12.7
	FMA31.75-100	154	100	74	22	31.75	60	6.7	12.7
	FMA38.1-60	117	60	34	25	38.1	75	8.87	15.87
HSK100A	FMA25.4-60	130	60	31	20	25.4	50	4.52	9.52
	FMA25.4-100	170	100	71	20	25.4	50	4.52	9.52
	FMA31.75-60	132	60	31	22	31.75	60	5.8	12.7
	FMA31.75-100	172	100	71	22	31.75	60	5.8	12.7
	FMA38.1-60	135	60	31	25	38.1	80	8.3	15.87

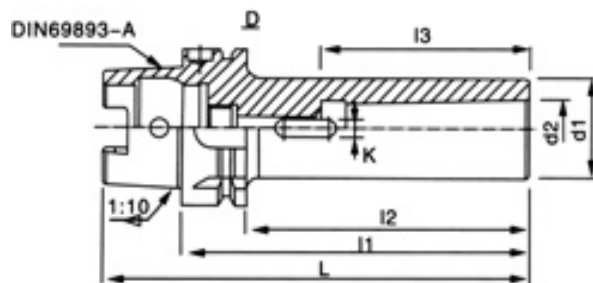
HSK _-FMB _ 平面銑刀桿



Model No.		L1	L2	L3	d	D	K2
HSK50A	-FMB22-60	60	18	14	22	40	10
	-FMB27-60		20	16	27	50	12
HSK63A	-FMB22-100	100	18	14	22	40	10
	-FMB22-150	150					
	-FMB22-200	200					
	-FMB27-100	100	20	20.5	27	52	12
	-FMB32-100		20		32	58	
	-FMB40-100		25		40		14
HSK100A	-FMB22-100	100	18	14	22	48	10
	-FMB22-150	150					
	-FMB22-200	200					
	-FMB27-100	100	20	16	27	60	12
	-FMB32-100		22		32	73	14
	-FMB40-100		25	20.5	40	85	16

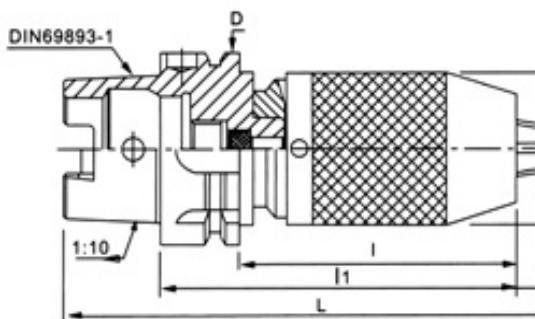


HSK_-MTA / MTB 莫式刀桿



規格	Model No.	L	l1	l2	l3	d1	d2	K1
HSK50A	-MTA1-100	125	100	74	56	25	12.065	5.5
	-MTA2-120	145	120	94	67	32	17.780	6.5
	-MTA3-140	165	140	114	84	40	23.825	8
HSK63A	-MTA1-100	132	100	74	56	25	12.065	5.5
	-MTA2-120	152	120	94	67	32	17.780	6.5
	-MTA3-140	172	140	114	84	40	23.825	8
	-MTA4-160	192	160	134	107	48	31.267	12
HSK100A	-MTA1-110	160	110	81	56	25	12.065	5.5
	-MTA2-120	170	120	91	67	32	17.780	6.5
	-MTA3-150	200	150	121	84	40	23.825	8
	-MTA4-170	220	170	141	107	48	31.267	12
	-MTA5-200	250	200	171	133	63	44.399	16

HSK_-APU 鑽夾刀桿

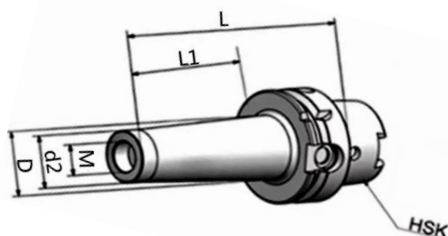


規格	Model No.	L	l1	l2	D	d1	d2
HSK50A	-APU13-110	147	84	55	50	50	5
HSK63A	-APU13-110	154			63		10
HSK100A	-APU13-120	182			100		13



HSK_-M 鎖牙刀桿

替換鎖牙刀頭



Model No.	M	d2	L1	L	D
HSK63A-M8-60	M8	15	34	60	18
HSK63A-M8-90	M8	15	64	90	23
HSK63A-M8-110	M8	15	84	110	26.5
HSK63A-M8-150	M8	15	124	150	33.5
HSK63A-M8-200	M8	15	174	200	42.5
HSK63A-M10-60	M10	19	34	60	21
HSK63A-M10-90	M10	19	64	90	25
HSK63A-M10-110	M10	19	84	110	28
HSK63A-M10-150	M10	19	124	150	33.5
HSK63A-M10-200	M10	19	174	200	40.5
HSK63A-M12-60	M12	24	34	60	26
HSK63A-M12-90	M12	24	89	920	30
HSK63A-M12-110	M12	24	84	110	33
HSK63A-M12-150	M12	24	124	150	38.5
HSK63A-M12-200	M12	24	174	200	45.5
HSK63A-M16-60	M16	29	34	60	30
HSK63A-M16-90	M16	29	64	90	35
HSK63A-M16-110	M16	29	84	110	38
HSK63A-M16-135	M16	29	109	135	41
HSK63A-M16-150	M16	29	124	150	43.5

Model No.	M	d2	L1	L	D
HSK100A-M8-90	M8	15	61	90	23
HSK100A-M8-110	M8	15	81	110	26.5
HSK100A-M8-150	M8	15	121	150	33.5
HSK100A-M8-200	M8	15	171	200	43.5
HSK100A-M10-90	M10	19	61	90	25
HSK100A-M10-110	M10	19	81	110	28
HSK100A-M10-150	M10	19	121	150	33.5
HSK100A-M10-200	M10	19	171	200	48
HSK100A-M12-90	M12	24	61	90	30
HSK100A-M12-110	M12	24	81	110	33
HSK100A-M12-150	M12	24	121	150	36.5
HSK100A-M12-200	M12	24	171	200	46
HSK100A-M16-90	M16	29	61	90	35
HSK100A-M16-110	M16	29	81	110	38
HSK100A-M16-150	M16	29	121	150	43.5
HSK100A-M16-200	M16	29	171	200	50.5

HSK63A-DCM 強力型刀桿

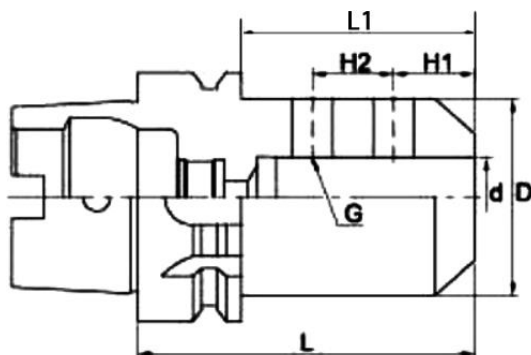


Model No
HSK63A-DCM25-110
HSK63A-DCM32-105

訂購編號	Ød	D	H1
DCM25-	3 ~ 20	25	63.0
DCM32-	3 ~ 25 1/8	32	70.4



HSK _ -SLA 側固刀桿

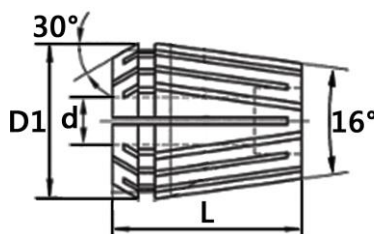


Model No.	L1	D	G	Model No.	L1	D	G	Model No.	L1	D	G
HSK32A-SLN6-60L	40	25	M6	HSK63A-SLN6-65L	39	25	M6	HSK100A-SLN6-80L	51	48	M6
HSK32A-SLN8-60L	40	26	M8	HSK63A-SLN6-100L	74	25	M6	HSK100A-SLN6-160L	131	48	M6
HSK32A-SLN10-65L	45	32	M10	HSK63A-SLN6-120L	94	25	M6	HSK100A-SLN8-80L	51	48	M8
HSK32A-SLN12-70L	50	36	M10	HSK63A-SLN6-160L	134	25	M6	HSK100A-SLN8-160L	131	48	M8
HSK32A-SLN14-75L	55	38	M10	HSK63A-SLN8-100L	74	28	M8	HSK100A-SLN10-80L	51	48	M10
HSK32A-SLN16-75L	55	42	M10	HSK63A-SLN8-160L	134	29	M8	HSK100A-SLN10-160L	131	48	M10
HSK32A-SLN20-90L	70	52	M12	HSK63A-SLN10-100L	74	35	M10	HSK100A-SLN12-80L	51	48	M10
Model No.	L1	D	G	HSK63A-SLN10-160L	134	35	M10	HSK100A-SLN12-160L	131	48	M10
HSK40A-SLN6-60L	40	25	M6	HSK63A-SLN12-100L	74	40	M10	HSK100A-SLN14-80L	51	48	M10
HSK40A-SLN8-60L	40	28	M8	HSK63A-SLN12-160L	134	40	M10	HSK100A-SLN14-160L	131	48	M10
HSK40A-SLN10-60L	40	34	M10	HSK63A-SLN14-100L	74	46	M10	HSK100A-SLN16-100L	71	48	M10
HSK40A-SLN12-70L	50	36	M10	HSK63A-SLN14-160L	134	46	M10	HSK100A-SLN16-160L	131	40	M10
HSK40A-SLN14-75L	55	38	M10	HSK63A-SLN16-100L	74	48	M10	HSK100A-SLN16-200L	171	40	M10
HSK40A-SLN16-75L	55	40	M10	HSK63A-SLN16-160L	134	48	M10	HSK100A-SLN18-100L	71	50	M10
HSK40A-SLN18-85L	65	42	M12	HSK63A-SLN16-200L	174	48	M10	HSK100A-SLN18-160L	131	50	M10
HSK40A-SLN20-85L	65	52	M12	HSK63A-SLN18-100L	74	50	M12	HSK100A-SLN20-100L	71	52	M12
HSK40A-SLN25-95L	75	52	M12	HSK63A-SLN18-160L	134	50	M12	HSK100A-SLN20-160L	131	52	M12
HSK40A-SLN32-105L	85	63	M16	HSK63A-SLN20-100L	74	52	M12	HSK100A-SLN20-200L	171	52	M12
Model No.	L1	D	G	HSK63A-SLN20-160L	134	52	M12	HSK100A-SLN25-110L	81	65	M12
HSK50A-SLN6-65L	39	25	M6	HSK63A-SLN20-200L	174	52	M12	HSK100A-SLN25-160L	131	65	M12
HSK50A-SLN8-65L	39	28	M8	HSK63A-SLN25-110L	84	65	M12	HSK100A-SLN25-200L	171	65	M12
HSK50A-SLN10-65L	39	35	M10	HSK63A-SLN25-160L	134	66	M12	HSK100A-SLN32-110L	171	72	M16
HSK50A-SLN12-80L	54	40	M10	HSK63A-SLN25-200L	174	67	M12	HSK100A-SLN32-160L	131	72	M16
HSK50A-SLN14-80L	54	40	M10	HSK63A-SLN32-110L	84	72	M16	HSK100A-SLN32-200L	171	72	M16
HSK50A-SLN16-80L	54	40	M10	HSK63A-SLN32-160L	134	73	M16	HSK100A-SLN40-120L	91	80	M20
HSK50A-SLN18-80L	54	42	M12	HSK63A-SLN40-125L	99	80	M16	HSK100A-SLN42-120L	91	80	M20
HSK50A-SLN20-80L	54	52	M12	HSK63A-SLN40-200L	174	81	M16				
HSK50A-SLN20-90L	64	52	M12								
HSK50A-SLN25-110L	84	52	M12								
HSK50A-SLN32-110L	84	63	M16								



ER筒夾

ER Collet



SET NO.	D1	L
ER8	8.45	13.5
ER11	11.5	18
ER16	17	27.5
ER20	21	31.5
ER25	26	34
ER32	33	40
ER40	41	46
ER50	52	60

A精度0.015
AA精度0.008
AAA精度0.005

SET NO.	SET NO.	SET NO.	SET NO.	SET NO.	SET NO.	SET NO.	SET NO.
ER8-1	ER11-1	ER16-1	ER20-1	ER25-1	ER32-1	ER40-3	ER50-6
ER8-1.5	ER11-1.5	ER16-1.5	ER20-1.5	ER25-1.5	ER32-1.5	ER40-4	ER50-7
ER8-2	ER11-2	ER16-2	ER20-2	ER25-2	ER32-2	ER40-5	ER50-8
ER8-2.5	ER11-2.5	ER16-2.5	ER20-2.5	ER25-2.5	ER32-2.5	ER40-6	ER50-9
ER8-3	ER11-3	ER16-3	ER20-3	ER25-3	ER32-3	ER40-7	ER50-10
ER8-3.5	ER11-3.5	ER16-3.5	ER20-3.5	ER25-3.5	ER32-3.5	ER40-8	ER50-11
ER8-3.175	ER11-3.175	ER16-3.175	ER20-3.175	ER25-3.175	ER32-3.175	ER40-9	ER50-12
ER8-4	ER11-4	ER16-4	ER20-4	ER25-4	ER32-4	ER40-10	ER50-13
ER8-4.5	ER11-4.5	ER16-4.5	ER20-4.5	ER25-4.5	ER32-4.5	ER40-11	ER50-14
ER8-5	ER11-5	ER16-5	ER20-5	ER25-5	ER32-5	ER40-12	ER50-15
	ER11-5.5	ER16-5.5	ER20-5.5	ER25-5.5	ER32-5.5	ER40-13	ER50-16
	ER11-6	ER16-6	ER20-6	ER25-6	ER32-6	ER40-14	ER50-17
	ER11-6.5	ER16-6.5	ER20-6.5	ER25-6.5	ER32-6.5	ER40-15	ER50-18
	ER11-7	ER16-7	ER20-7	ER25-7	ER32-7	ER40-16	ER50-19
		ER16-7.5	ER20-7.5	ER25-7.5	ER32-7.5	ER40-17	ER50-20
		ER16-8	ER20-8	ER25-8	ER32-8	ER40-18	ER50-21
		ER16-8.5	ER20-8.5	ER25-8.5	ER32-8.5	ER40-19	ER50-22
		ER16-9	ER20-9	ER25-9	ER32-9	ER40-20	ER50-23
		ER16-9.5	ER20-9.5	ER25-9.5	ER32-9.5	ER40-21	ER50-24
		ER16-10	ER20-10	ER25-10	ER32-10	ER40-22	ER50-25
			ER20-10.5	ER25-10.5	ER32-10.5	ER40-23	ER50-26
			ER20-11	ER25-11	ER32-11	ER40-24	ER50-27
			ER20-11.5	ER25-11.5	ER32-11.5	ER40-25	ER50-28
			ER20-12	ER25-12	ER32-12	ER40-26	ER50-29
			ER20-12.5	ER25-12.5	ER32-12.5		ER50-30
			ER20-13	ER25-13	ER32-13		ER50-31
				ER25-14	ER32-13.5		ER50-32
				ER25-14.5	ER32-14		ER50-33
				ER25-15	ER32-14.5		ER50-34
				ER25-15.5	ER32-15		ER50-35
				ER25-16	ER32-15.5		ER50-36
				ER25-16.5	ER32-16		
					ER32-16.5		
					ER32-17		
					ER32-17.5		
					ER32-18		
					ER32-18.5		
					ER32-19		
					ER32-19.5		
					ER32-20		

BER 大孔徑



AA精度0.008

大孔徑	D1	L	大孔徑	D1	L
BER8-5.5	8	14	BER32-21	33	37
BER8-6	8	14	BER32-22	33	37
BER11-8	12	15.5	BER32-23	33	34.2
BER16-11	16	25	BER32-24	33	34.1
BER16-12	16	22	BER32-25	33	33.6
BER20-14	21	28	BER32-26	33	34
BER20-15	21	26	BER40-27	41	46
BER20-16	21	25.6	BER40-28	41	46
BER25-17	26	32	BER40-29	41	46
BER25-18	26	32	BER40-30	41	46
BER25-19	26	30	BER40-31	41	39.5
BER25-20	26	28	BER40-32	41	39.5



TGER 出水型筒夾 Collet

型號	孔徑尺寸
TGER11-	(3-7mm)
TGER16-	(3-10mm)
TGER20-	(3-13mm)
TGER25-	(3-16mm)
TGER32-	(3-20mm)
TGER40-	(3-26mm)

AA精度0.008
AAA精度0.005



5GER 止水型筒夾 Collet

型號	孔徑尺寸
5GER11-	(3-7mm)
5GER16-	(3-10mm)
5GER20-	(3-13mm)
5GER25-	(3-16mm)
5GER32-	(3-20mm)
5GER40-	(3-26mm)

AA精度0.008
AAA精度0.005



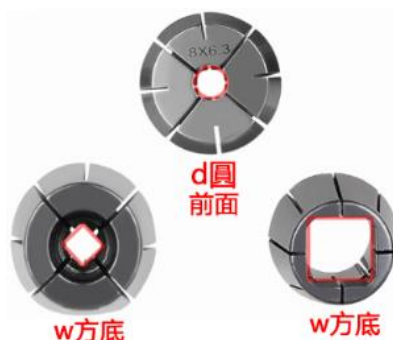
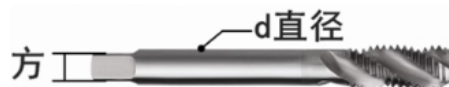
TER 絲攻筒夾 Collet

型號	夾持範圍
TER16-	M2~M12
TER20-	M2~M14
TER25-	M3~M20
TER32-	M3~M24
TER40-	M3~M30

AA精度0.008

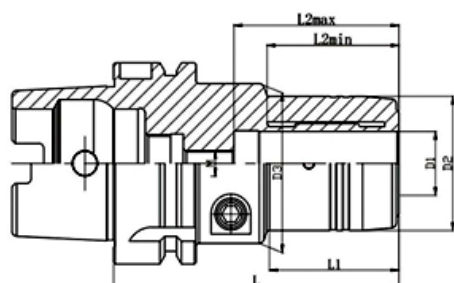


國際標準ISO			日標JIS		
絲攻規格	d	W口	絲攻規格	d	W口
M2	2.5	2	M2	3	2.5
M3	3.15	2.5	M3	4	3.2
M4	4	3.15	M4	5	4
M5	5	4	M5	5.5	4.5
M6	6.3	5	M6	6	4.5
M8	6.3	5	M8	6.2	5
M10	8	6	M10	7	5.5
M12	9	7.1	M12	8.5	6.5
M14	11.2	9	M14	10.5	8
M16	12.5	10	M16	12.5	10
M18	14	11.2	M18	14	11
M20	14	11.2	M20	15	12
M22	16	12.5	M22	17	13
M24	18	14	M24	19	15



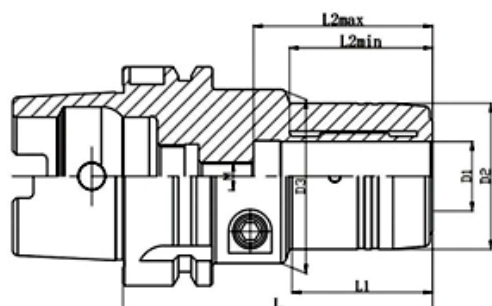


HSK63-HDC 高精度液壓刀柄



型號	D1	D2	D3	L	L1	M
HSK63A-HDC06-80L	6	32	48	80	32	M5
HSK63A-HDC06-125L				125	38.5	
HSK63A-HDC08-80L	8	34	50	80	32	M6
HSK63A-HDC08-125L				125	38.5	
HSK63A-HDC10-80L	10	36	50	80	32	M8
HSK63A-HDC10-125L				125	40	
HSK63A-HDC12-80L	12	38	50	80	32	M8
HSK63A-HDC12-125				125	41	
HSK63A-HDC14-80L	14	40	50	80	40	M8
HSK63A-HDC14-125L				125	43	
HSK63A-HDC16-90L	16	42	50	90	41	M8
HSK63A-HDC16-125L				125	43	
HSK63A-HDC18-90L	18	42	50	80	41	M8
HSK63A-HDC20-90L	20	44	50	90	41	M8
HSK63A-HDC20-150L				150	41	
HSK63A-HDC20-200L				200	45	
HSK63A-HDC25-110L	25	53	63	110	56	M8
HSK63A-HDC25-150L				150		
HSK63A-HDC25-200L				200		
HSK63A-HDC32-110L	32	63	63	110		M8
HSK63A-HDC32-150L				150		
HSK63A-HDC32-200L				200		

HSK100-HDC 高精度液壓刀柄

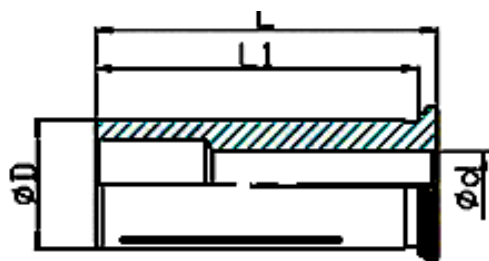


動態旋轉保持在0.003內

型號	D1	D2	D3	L	L1	M
HSK100A-HDC06-90L	6	30	48	90	31	M5
HSK100A-HDC08-90L	8	32	48	90	31	M6
HSK100A-HDC10-105L	10	36	50	105	38	M8
HSK100A-HDC12-105L	12	38	52	105	40	M8
HSK100A-HDC14-105L	14	38	52	105	41	M8
HSK100A-HDC16-105L	16	41	54	105	42	M12
HSK100A-HDC18-105	18	42	50	105	41	M12
HSK100A-HDC20-105L	20	43	54	105	41	M12
HSK100A-HDC25-110L	25	52	62	110	55	M12
HSK100A-HDC32-110L	32	63	73	110	57	M12



HC 高精度液壓筒夾



筒夾 孔徑	D	L	L1
HC10- 3~6	10		
HC12- 3~10	12	47	45
HC16- 3~12	16	47	45
HC20- 3~18	20	53.5	50.5
HC25- 3~20	25		
HC32- 3~26	32	64.5	61

HC10	HC12	HC16	HC20	HC25	HC32
HC10-3	HC12-3	HC16-3	HC20-3	HC25-3.175	HC32-3
HC10-4	HC12-4	HC16-4	HC20-3.175	HC25-4	HC32-3.175(1/8)
HC10-5	HC12-5	HC16-5	HC20-4	HC25-6	HC32-4
HC10-6	HC12-6	HC16-6	HC20-5	HC25-6.35	HC32-5
	HC12-8	HC16-7	HC20-6	HC25-8	HC32-6
	HC12-9	HC16-8	HC20-6.35	HC25-10	HC32-6.35 (1/4)
	HC12-10	HC16-9	HC20-7	HC25-12	HC32-7
		HC16-10	HC20-8	HC25-12.7	HC32-8
		HC16-11	HC20-9	HC25-14	HC32-9
		HC16-12	HC20-10	HC25-15.6	HC32-10
			HC20-11	HC25-16	HC32-12
			HC20-12	HC25-18	HC32-12.7(1/2)
			HC20-12.7	HC25-19.05	HC32-13
			HC20-13	HC25-20	HC32-14
			HC20-14		HC32-15.6
			HC20-15		HC32-16
			HC20-15.6		HC32-18
			HC20-16		HC32-19
			HC20-17		HC32-19.05 (3/4)
			HC20-18		HC32-20
					HC32-21
					HC32-22
					HC32-23
					HC32-24
					HC32-25
					HC32-25.4
					HC32-26



軸承鎖刀座



Bearing locking seat

Model No.	A	B	C	d	D	Kg
3N2Y-HSK32	105	104.5	32	10.5	78.5	2
3N2Y-HSK40	105	104.5	40	10.5	78.5	2
3N2Y-HSK50	105	104.5	50	10.5	78.5	2
3N2Y-HSK63	105	104.5	63	10.5	78.5	2
3N2Y-HSK100	134	136	100	10.5	105	3
3N2Y-ISO20	105	104.5	33	10.5	78.5	2
I3N2Y-ISO25	105	104.5	37	10.5	78.5	2
I3N2Y-ISO30	105	104.5	50	10.5	78.5	2
3N2Y-BT30	105	104.5	46	10.5	78.5	2
3N2Y-BT40	105	104.5	63	10.5	78.5	2

冷卻液導管

	M	D
3SSE-HSK32	M10*1	6
3SSE-HSK40	M12*1	8
3SSE-HSK50	M16*1	10
3SSE-HSK63	M18*1	12
3SSE-HSK80	M20*1.5	14
3SSE-HSK100	M24*1.5	16
冷卻液導管帶過濾網	M	D
3SSE-HSK63A	M18*1	12
3SSE-HSK80A	M20*1.5	14
3SSE-HSK100	M24*1.5	16



冷卻液導管扳手

3SSE1G-HSK32
3SSE1G-HSK40
3SSE1G-HSK50
3SSE1G-HSK63
3SSE1G-HSK80
3SSE1G-HSK100

55HG主軸測式棒



型號 Model	真圓度/同心度	毛重KG Gross weight
HSK63A-300L	≤ 0.003	4
HSK100A300L	≤ 0.003	8KG



Model No	Nut 螺帽規格	D外徑	L高	ERA型	扳手A
3XAER08A	ER8A (M10*0.75P)	13.5	12		12
3XAER11A	ER11A(M14*0.75P粗牙)	19	13		17
3XAER16A	ER16A (M22*1.5P粗牙)	28	18.5		25
3XAER20A	ER20A (M25*1.5P粗牙)	34	21		30
Model No	Nut 螺帽規格	D外徑	L高		扳手A
3XAER11A1	ER11A (M13*0.75P細牙)特制	19	13		12
3XAER16A1	ER16A (M19*1.0P細牙)特制	28	18.5		17
3XAER20A0	ER20A (M24*1.0P細牙)特制	34	21		25
3XAER20A1	ER20A (M26*1.5P細牙)特制	34	21		30
Model No	Nut 螺帽規格	D外徑	L高	ERM型	扳手M
3XAER08M	ER8M (M10*0.75P)	12	10.8		13
3XAER11M	ER11M (M13*0.75P細牙)	16	12		17
3XAER16M	ER16M (M19*1.0P細牙)	22	17		22.5
3XAER20M	ER20M (M24*1.0細牙)	28	19		29
Model No	Nut 螺帽規格	D	L	ERMS型	扳手MS
3XAER11MS	ER11MS(M13*0.75細牙)	16	11.5		
3XAER16MS	ER16MS(M19*1.0細牙)	20	17		15.5
3XAER20MS	ER20MS(M24*1.0細牙)	28	19		19
Model No	Nut 螺帽規格	D	L	ERUM型	扳手UM
3XAER25U	ER25UM (M32*1.5P粗牙)	42	21.5		37
3XAER32U	ER32UM (M40*1.5P粗牙)	50	24		45
3XAER40U	ER40UM (M50*1.5P粗牙)	63	26		59
3XAER50U	ER50UM (M64*2P粗牙)	78	35		
Model No	Nut 螺帽規格	D	L	GER	扳手C
3XAGER11	GER11(M13*0.75細牙)	16	12		16
3XAGER16	GER16(M22*1.5P粗牙)	27	19.5		27
3XAGER20	GER20(M25*1.5P粗牙)	35	20.5		35
3XAGER25	GER25(M32*1.5P粗牙)	40	23.5		40
3XAGER32	GER32(M40*1.5P粗牙)	50	25.5		50
3XAGER16A	GER16(M19*1.0細牙)特制	22	19		22
3XAGER20A	GER20(M24*1.0細牙)特制	27.5	19		27.5

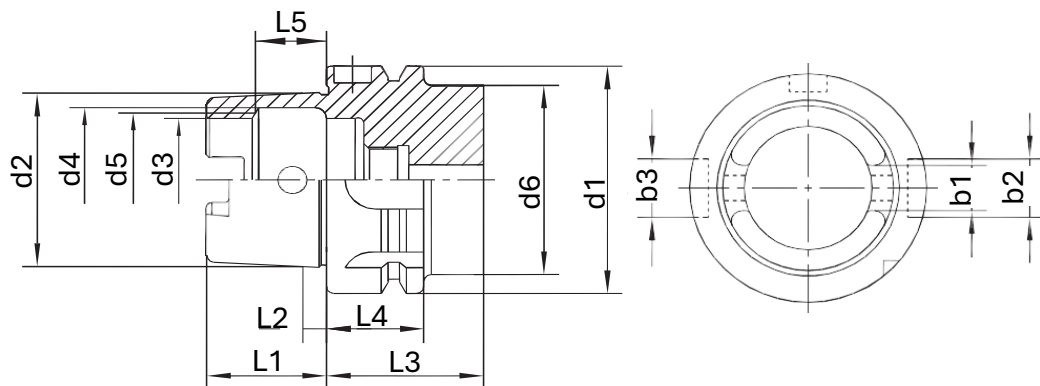
軸承扳手



Bearing wrench

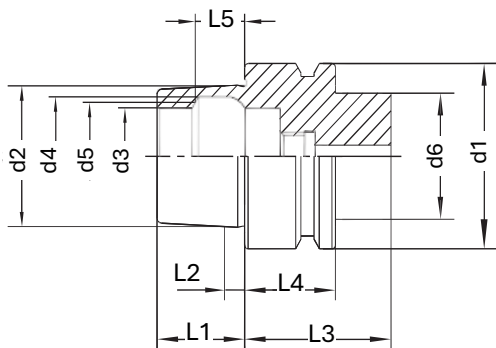
Model No.	Ø	L	H
31GSK06	19	151	47
31GSK10C	27	151	47
31GSK10B	30	151.5	47
31GSK13B	35	171	58
31GSK16B	40	171	58
31GSK20B	50	198	68
Model No.	Ø	L	H
31GER16	28	151	47
31GER20	34	171	58
31GER25	42	171	58
31GER32	50	198	68

DIN 63893HSK-A



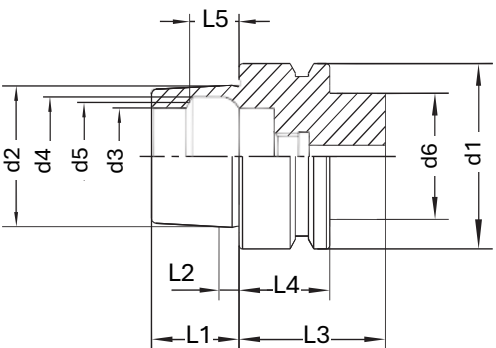
Model No.	L1	L2	L3	L4	L5	d1	d2	d3	d4	d5	d6	b1	b2	b3
HSK32A	16	3.2	35	20	8.92	32	24.007	17	20.5	19	26	7.05	7	9
HSK40A	20	4	35	20	11.42	40	30.007	21	25.5	23	34	8.05	9	11
HSK50A	25	5	42	26	14.12	50	38.009	26	32	29	42	10.54	12	14
HSK63A	32	6.3	42	26	18.13	63	48.01	34	40	37	53	12.54	16	18
HSK80A	40	8	42	26	22.85	80	60.012	42	50	46	68	16.04	18	20
HSK100A	50	10	45	29	28.56	100	75.013	53	63	58	88	20.02	20	22
HSK125A	63	12.5	45	29	36.27	125	95.016	67	80	73	111	25.02	25	28
HSK160A	80	16	47	31	45.98	160	120.016	85	100	92	144	30.02	32	36

DIN 63893HSK-E



Model	L1	L2	L3	L4	L5	d1	d2	d3	d4	d5	d6
HSK32E	16	3.2	35	20	8.92	32	24.007	17	20.5	19	26
HSK40E	20	4	35	20	11.42	40	30.007	21	25.5	23	34
HSK50E	25	5	42	26	14.12	50	38.009	26	32	29	42
HSK63E	32	6.3	42	26	18.13	63	48.01	34	40	37	53

DIN 63893HSK-F



Model	L1	L2	L3n	L4	L5	d1	d2	d3	d4	d5	d6
HSK32E	20	4	42	26	11.42	50	30.007	21	25.5	23	42
HSK40E	25	5	42	26	14.12	63	38.009	26	32	29	53