



Інжинірингові рішення для промислового
виробництва та металообробки

КАТАЛОГ ПАТРОНИ



ВИСОКА ТОЧНІСТЬ
та стабільність



НАДІЙНІСТЬ
у кожній деталі



РІШЕННЯ ПІД ВАШІ
виробничі завдання



ТРИМАЧІ ІНСТРУМЕНТУ

Надійність, точність,
продуктивність.



1



4



7



2



5



8



3



6

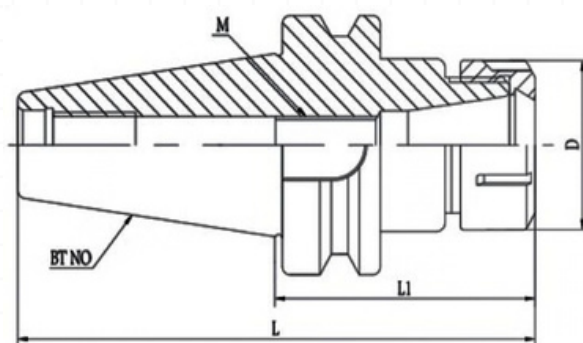


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BT-ER

Tool System Holder Series: Elastic Collet Chuck Holder



Model	Dimension (mm)			Clamping Capacity	Col let	Nu t	Wre nch
	L1	L	D				
BT30-ER11-60	60	108.4	19	0.5-7	ER11	ER11-A	OW/ER11
BT30-ER11-100	100	148.4					
BT30-ER16-60	60	108.4	28	1-10	ER16	ER16-A	OW/ER16
BT30-ER16-100	100	148.4					
BT30-ER20-60	60	108.4	34	2-13	ER20	ER20-A	OW/ER20
BT30-ER20-100	100	148.4					
BT30-ER25-60	60	108.4	42	2-16	ER25	ER25-UM	UW/ER25
BT30-ER25-100	100	148.4					
BT30-ER32-60	60	108.4	50	3-20	ER32	ER32-UM	UW/ER32
BT30-ER32-100	100	148.4					

BT40-ER11-70	70	135.4	19	0.5-7	ER11	ER11-A	OW/ER11
BT40-ER11-100	100	165.4					
BT40-ER16-70	70	135.4	28	1-10	ER16	ER16-A	OW/ER16
BT40-ER16-100	100	165.4					
BT40-ER16-150	150	215.4	34	2-13	ER20	ER20-A	OW/ER20
BT40-ER20-70	70	135.4					
BT40-ER20-100	100	165.4	42	2-16	ER25	ER25-UM	UW/ER25
BT40-ER20-150	150	215.4					
BT40-ER25-70	70	135.4	50	3-20	ER32	ER32-UM	UW/ER32
BT40-ER25-100	100	165.4					
BT40-ER25-150	150	215.4	50	3-20	ER32	ER32-UM	UW/ER32
BT40-ER32-70	70	135.4					
BT40-ER32-100	100	165.4	50	3-20	ER32	ER32-UM	UW/ER32
BT40-ER32-150	150	215.4					

© Collet, Pull Pin, and Wrench Must Be Ordered Separately.



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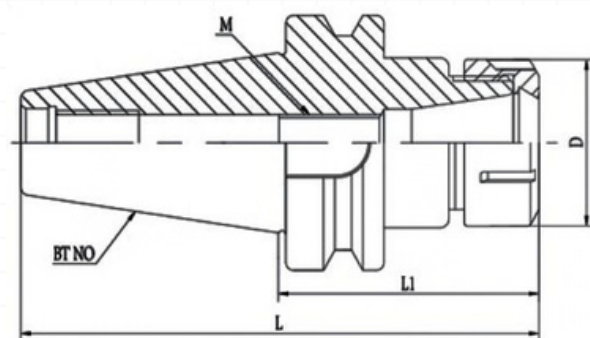


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F01

BT-ER

Elastic Collet Chuck Holder



Model	Dimension (mm)			Clamping Capacity	Co llet	Nu t	Wre nch
	L1	L	D				
BT40-ER40-80	80	145.4	63	3-26	ER40	ER40-UM	UW/ER40
BT40-ER40-100	100	165.4					
BT40-ER40-150	150	215.4					

BT50-ER16-80	80	171.8	28	1-10	ER16	ER16-A	OW/ER16
BT50-ER16-100	100	201.8					
BT50-ER16-150	150	251.8					
BT50-ER20-80	80	171.8	34	2-13	ER20	ER20-A	OW/ER20
BT50-ER20-100	100	201.8					
BT50-ER20-150	150	251.8					
BT50-ER25-80	80	171.8	42	2-16	ER25	ER25-UM	UW/ER25
BT50-ER25-100	100	201.8					
BT50-ER25-150	150	251.8					
BT50-ER32-90	90	171.8	50	3-20	ER32	ER32-UM	UW/ER32
BT50-ER32-100	100	201.8					
BT50-ER32-150	150	251.8					
BT50-ER40-100	100	201.8	63	3-26	ER40	ER40-UM	UW/ER40
BT50-ER40-150	150	251.8					
BT50-ER40-200	200	301.8					

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F02



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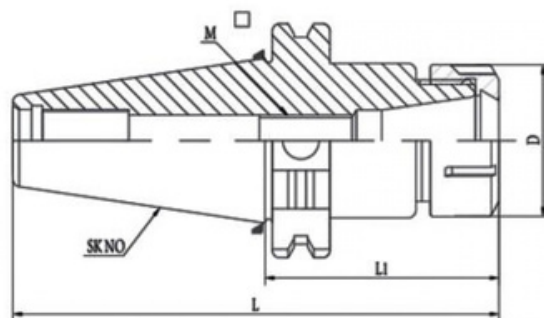
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SK-ER

Elastic Collet Chuck Holder



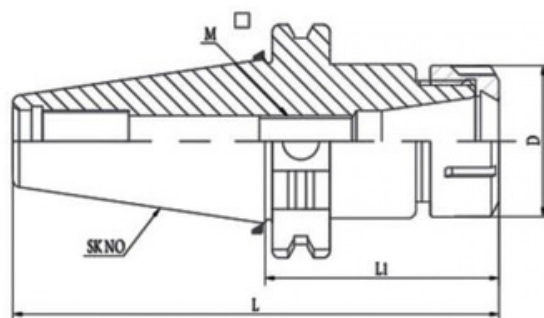
Model	Dimension (mm)			Clamping Capacity	Co llet	Nu t	Wre nch
	L1	L	D				
SK30-ER11-60	60	107.8	19	0.5-7	ER11	ER11-A	OW/ER11
SK30-ER11-100	100	147.8					
SK30-ER16-60	60	107.8	28	1-10	ER16	ER16-A	OW/ER16
SK30-ER16-100	100	147.8					
SK30-ER20-60	60	107.8	34	2-13	ER20	ER20-A	OW/ER20
SK30-ER20-100	100	147.8					
SK30-ER25-60	60	107.8	42	2-16	ER25	ER25-A	UW/ER25
SK30-ER25-100	100	147.8					
SK30-ER32-60	60	107.8	50	3-20	ER32	ER32-A	UW/ER32
SK30-ER32-100	100	147.8					

SK40-ER11-70	70	138.4	19	0.5-7	ER11	ER11-A	OW/ER11
SK40-ER11-100	100	168.4					
SK40-ER16-70	70	138.4	28	1-10	ER16	ER16-A	OW/ER16
SK40-ER16-100	100	168.4					
SK40-ER16-150	150	218.4	34	2-13	ER20	ER20-A	OW/ER20
SK40-ER20-70	70	138.4					
SK40-ER20-100	100	168.4					
SK40-ER20-150	150	218.4	42	2-16	ER25	ER25-UM	UW/ER25
SK40-ER25-70	70	138.4					
SK40-ER25-100	100	168.4					
SK40-ER25-150	150	218.4					

© Collet, Pull Pin, and Wrench Must Be Ordered Separately.

SK-ER

Elastic Collet Chuck Holder



Model	Dimension (mm)			Clamping Capacity	Co llet	Nu t	Wre nch
	L1	L	D				
SK40-ER32-70	70	138.4	50	3-20	ER32	ER32-UM	UW/ER32
SK40-ER32-100	100	168.4					
SK40-ER32-150	150	218.4					
SK40-ER40-80	80	148.4	63	3-26	ER40	ER40-UM	UW/ER40
SK40-ER40-100	100	168.4					
SK40-ER40-150	150	218.4					

SK50-ER16-70	70	171.8	28	1-10	ER16	ER16-A	OW/ER16
SK50-ER16-100	100	201.8					
SK50-ER16-150	150	251.8					
SK50-ER20-70	70	171.8	34	2-13	ER20	ER20-A	OW/ER20
SK50-ER20-100	100	201.8					
SK50-ER20-150	150	251.8					
SK50-ER25-70	70	171.8	42	2-16	ER25	ER25-UM	UW/ER25
SK50-ER25-100	100	201.8					
SK50-ER25-150	150	251.8					
SK50-ER32-70	70	171.8	50	3-20	ER32	ER32-UM	UW/ER32
SK50-ER32-100	100	201.8					
SK50-ER32-150	150	251.8					
SK50-ER40-80	80	171.8	63	3-26	ER40	ER40-UM	UW/ER40
SK50-ER40-100	100	201.8					
SK50-ER40-150	150	251.8					
SK50-ER40-200	200	301.8					

© Collet, Pull Pin, and Wrench Must Be Ordered Separately.

F04



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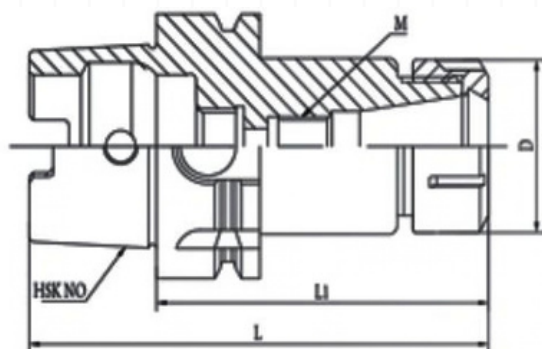
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F77

HSK-ER

Elastic Collet Chuck Holder



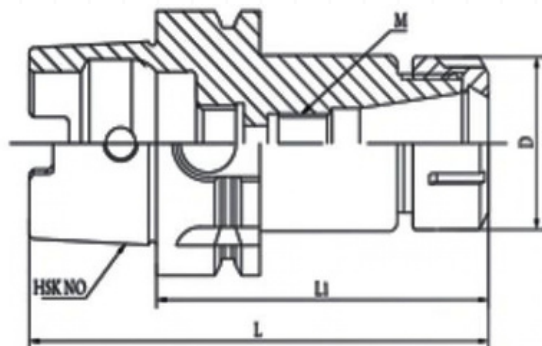
Model	Dimension (mm)		Clamping Capacity	Collet	Nut
	L1	D			
HSK40A-ER11-80	80	19	0.5-7	ER11	ER11-A
HSK40A-ER11-100	100				
HSK40A-ER16-80	80	28	0.5-10	ER16	ER16-A
HSK40A-ER16-100	100				
HSK40A-ER20-80	80	34	1.0-12	ER20	ER20-A
HSK40A-ER20-100	100				
HSK40A-ER25-80	80	42	1.0-16	ER25	ER25-UM
HSK40A-ER25-100	100				
HSK40A-ER32-80	80	50	2.0-20	ER32	ER32-UM
HSK40A-ER32-100	100				

HSK50A-ER11-80	80	19	0.5-7	ER11	ER11-A
HSK50A-ER11-100	100				
HSK50A-ER11-120	120				
HSK50A-ER16-80	80	28	0.5-10	ER16	ER16-A
HSK50A-ER16-100	100				
HSK50A-ER16-120	120				
HSK50A-ER20-80	80	34	1.0-12	ER20	ER20-A
HSK50A-ER20-100	100				
HSK50A-ER20-120	120				
HSK50A-ER25-80	80	42	1.0-16	ER25	ER25-UM
HSK50A-ER25-100	100				
HSK50A-ER25-120	120				
HSK50A-ER32-80	80	50	2.0-20	ER32	ER32-UM
HSK50A-ER32-100	100				
HSK50A-ER32-120	120				

© Collet and Wrench Must Be Ordered Separately.

HSK-ER

Elastic Collet Chuck Holder



Model	Dimension (mm)		Clamping Capacity	Collet	Nut
	L1	D			
HSK63A-ER11-75	75	19	0.5-7	ER11	ER11-A
HSK63A-ER16-80	80	28	0.5-10	ER16	ER16-A
HSK63A-ER16-100	100				
HSK63A-ER16-120	120				
HSK63A-ER16-160	160				
HSK63A-ER20-80	80	34	1.0-12	ER20	ER20-A
HSK63A-ER20-100	100				
HSK63A-ER20-120	120				
HSK63A-ER20-160	160				
HSK63A-ER25-80	80	42	1.0-16	ER25	ER25-UM
HSK63A-ER25-100	100				
HSK63A-ER25-120	120				
HSK63A-ER25-160	160				
HSK63A-ER32-80	80	50	2.0-20	ER32	ER32-UM
HSK63A-ER32-100	100				
HSK63A-ER32-120	120				
HSK63A-ER32-160	160				
HSK63A-ER40-80	80	63	3.0-26	ER40	ER40-UM
HSK63A-ER40-100	100				
HSK63A-ER40-120	120				
HSK63A-ER40-160	160				
HSK80A-ER16-100	100	28	0.5-10	ER16	ER16-A
HSK80A-ER20-100	100	34	1.0-12	ER20	ER20-A
HSK80A-ER25-100	100	42	1.0-16	ER25	ER25-UM
HSK80A-ER32-100	100	50	2.0-20	ER32	ER32-UM

© Collet and Wrench Must Be Ordered Separately.

F06



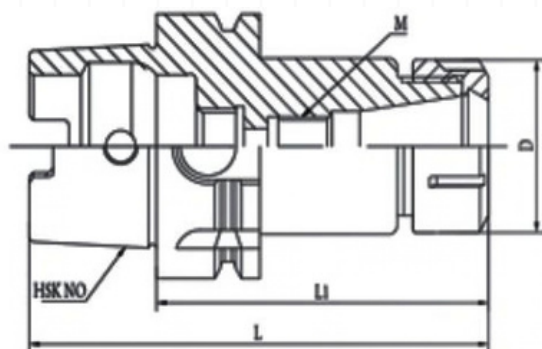
F54



F77

HSK-ER

Elastic Collet Chuck Holder



Model	Dimension (mm)		Clamping Capacity	Collet	Nut
	L1	D			
HSK100A-ER16-100	100	28	0.5-10	ER16	ER16-A
HSK100A-ER16-120	120				
HSK100A-ER16-160	160				
HSK100A-ER20-100	100	34	1.0-12	ER20	ER20-A
HSK100A-ER20-120	120				
HSK100A-ER20-160	160				
HSK100A-ER25-100	100	42	1.0-16	ER25	ER25-UM
HSK100A-ER25-120	120				
HSK100A-ER25-160	160				
HSK100A-ER32-100	100	50	2.0-20	ER32	ER32-UM
HSK100A-ER32-120	120				
HSK100A-ER32-160	160				
HSK100A-ER40-100	100	63	3.0-26	ER40	ER40-UM
HSK100A-ER40-120	120				
HSK100A-ER40-160	160				

© Collet and Wrench Must Be Ordered Separately.



F54

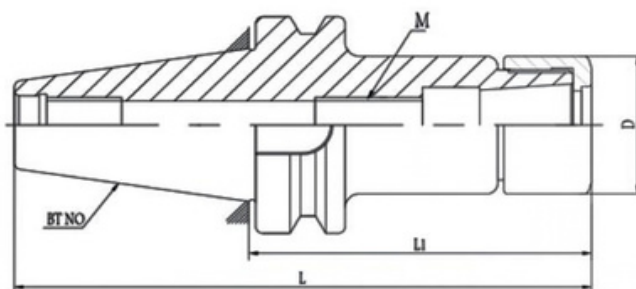


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F07

BT-GSK

High-Speed Precision Collet Holder



Model	Dimension (mm)			Clamping Capacity	Co llet	Nu t	Wren ch
	L1	L	D				
BT30-GSK06-60	60	108.4	20	2-6	GSK06	GSK06	OB/SK06
BT30-GSK06-80	80	128.4					
BT30-GSK10-70	70	118.4	27	2-10	GSK10	GSK10	OB/SK10
BT30-GSK10-95	95	143.4					
BT30-GSK16-60	60	108.4	40	3-16	GSK16	GSK16	OB/SK16
BT30-GSK16-80	80	128.4					
BT30-GSK16-100	100	148.4					
BT30-GSK25-80	80	128.4	54	6-25.4	GSK25	GSK25	OB/SK25

BT40-GSK06-65	65	130.4	20	2-6	GSK06	GSK06	OB/SK06
BT40-GSK06-85	85	150.4					
BT40-GSK10-55	55	120.4	27	2-10	GSK10	GSK10	OB/SK10
BT40-GSK10-80	80	145.4					
BT40-GSK10-100	100	165.4					
BT40-GSK10-150	150	215.4	40	3-16	GSK16	GSK16	OB/SK16
BT40-GSK16-55	55	120.4					
BT40-GSK16-80	80	145.4					
BT40-GSK16-100	100	165.4					
BT40-GSK16-150	150	215.4	54	6-25.4	GSK25	GSK25	OB/SK25
BT40-GSK25-70	70	135.4					
BT40-GSK25-95	95	160.4					
BT40-GSK25-110	110	175.4					

© Collet, Pull Pin, and Wrench Must Be Ordered Separately.

F08



F70



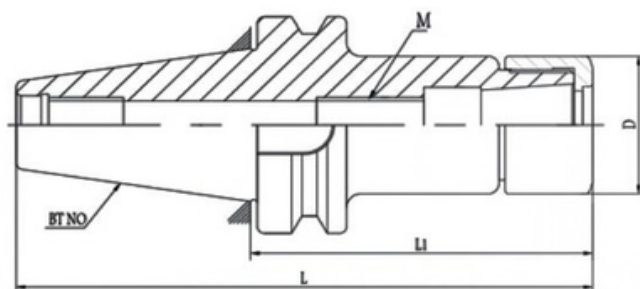
F74



F77

BT-GSK

High-Speed Precision Collet Holder



Model	Dimension (mm)			Clamping Capacity	Co llet	Nu t	Wre nchh
	L1	L	D				
BT50-GSK06-70	70	171.8	20	2-6	GSK06	GSK06	OB/SK06
BT50-GSK06-100	100	201.8					
BT50-GSK10-100	100	201.8	27	2-10	GSK10	GSK10	OB/SK10
BT50-GSK10-130	130	231.8					
BT50-GSK10-150	150	251.8					
BT50-GSK16-100	100	201.8	40	3-16	GSK16	GSK16	OB/SK16
BT50-GSK16-130	130	231.8					
BT50-GSK16-150	150	251.8					
BT50-GSK25-100	100	201.8	54	6-25.4	GSK25	GSK25	OB/SK25
BT50-GSK25-130	130	231.8					
BT50-GSK25-150	150	251.8					

© Collet, Pull Pin, and Wrench Must Be Ordered Separately.



F70



F74

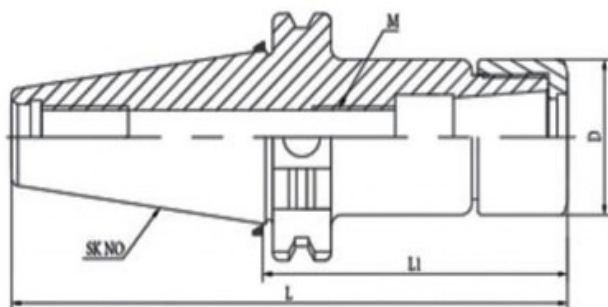


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F09

SK-GSK

High-Speed Precision Collet Holder



Model	Dimension (mm)			Clamping Capacity	Co llet	Nu t	Wre nch
	L1	L	D				
SK30-GSK06-55	60	102.8	20	2-6	GSK06	GSK06	OB/SK06
SK30-GSK10-70	80	117.8	27	2-10	GSK10	GSK10	OB/SK10
SK30-GSK10-95	70	142.8					
SK30-GSK16-85	95	132.8	40	3-16	GSK16	GSK16	OB/SK16
SK30-GSK16-100	60	147.8					
SK30-GSK25-85	80	132.8	54	6-25.4	GSK25	GSK25	OB/SK25
SK40-GSK06-70	70	138.4	20	2-6	GSK06	GSK06	OB/SK06
SK40-GSK06-100	100	168.4					
SK40-GSK10-80	80	148.4	27	2-10	GSK10	GSK10	OB/SK10
SK40-GSK10-100	100	168.4					
SK40-GSK16-80	80	148.4	40	3-16	GSK16	GSK16	OB/SK16
SK40-GSK16-100	100	168.4					
SK40-GSK25-95	95	163.4	54	6-25.4	GSK25	GSK25	OB/SK25
SK40-GSK25-100	110	178.4					
SK50-GSK06-80	80	181.75	20	2-6	GSK06	GSK06	OB/SK06
SK50-GSK10-100	100	201.75	27	2-10	GSK10	GSK10	OB/SK10
SK50-GSK10-130	130	231.75					
SK50-GSK16-100	100	201.75	40	3-16	GSK16	GSK16	OB/SK16
SK50-GSK16-130	130	231.75					
SK50-GSK16-150	150	251.75					
SK50-GSK25-100	100	201.75	54	6-25.4	GSK25	GSK25	OB/SK25
SK50-GSK25-130	130	231.75					
SK50-GSK25-150	150	251.75					

© Collet, Pull Pin, and Wrench Must Be Ordered Separately.

F10



F70



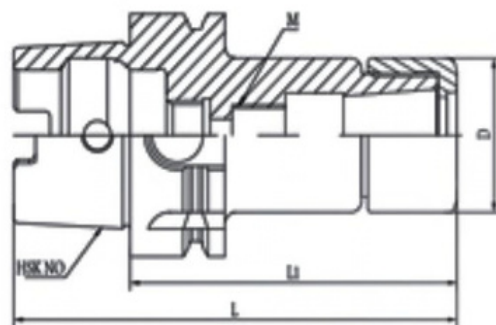
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F77

HSK-GSK

High-Speed Precision Collet Holder



Model	Dimension (mm)			Clamping Capacity	Col let	Nu t	Wre nch
	L1	L	D				
HSK63A-GSK06-80	80	112	20	2-6	GSK06	GSK06	OB/SK06
HSK63A-GSK10-60	60	92	27	2-10	GSK10	GSK10	OB/SK10
HSK63A-GSK10-80	80	112					
HSK63A-GSK10-100	100	132					
HSK63A-GSK16-80	80	112	40	3-16	GSK16	GSK16	OB/SK16
HSK63A-GSK25-90	90	122	54	6-25.4	GSK25	GSK25	OB/SK25

© Collet and Wrench Must Be Ordered Separately.



F70

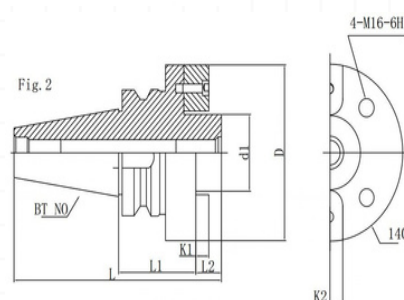
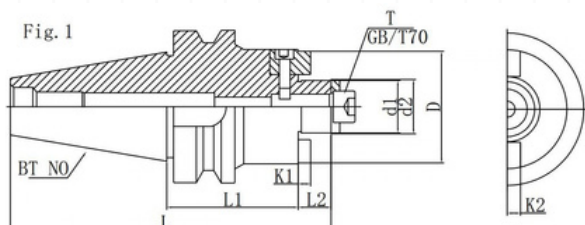


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F11

BT-FMB

Face Mill Holder



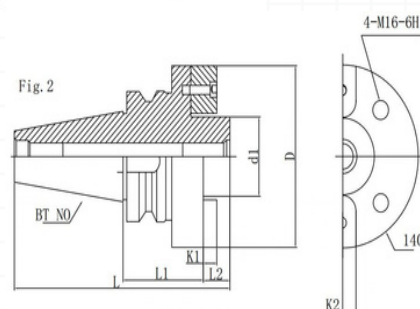
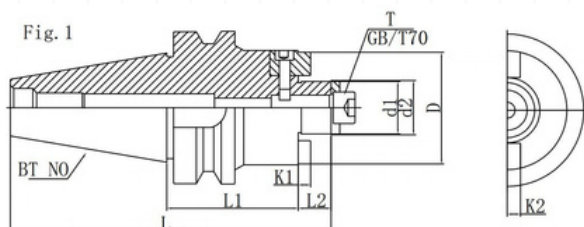
Model	Dimension (mm)								FIG	T
	L1	L	L2	d1	d2	D	K	K2		
BT30-FMB22-45	45	109.9	16.5	22	26	45	4.8	10	Fig.1	M10x30
BT30-FMB22-60	60	124.9								
BT30-FMB27-45	45	111.9	18.5	27	33	54	5.8	12		M12x30
BT30-FMB27-60	60	126.9								
BT30-FMB32-60	60	130.4	22	32	41	58	6.8	14		M16x35
BT40-FMB22-45	45	126.9	16.5	22	26	48	4.8	10	Fig.1	M10x30
BT40-FMB22-60	60	141.9								
BT40-FMB22-100	100	181.9								
BT40-FMB22-150	150	231.9								
BT40-FMB27-45	45	128.9	18.5	27	33	60	5.8	12	Fig.1	M12x30
BT40-FMB27-60	60	143.9								
BT40-FMB27-100	100	183.9								
BT40-FMB27-150	150	233.9								
BT40-FMB27-200	200	283.9								
BT40-FMB32-60	60	147.4	20	32	41	62	6.8	14	Fig.1	M16x35
BT40-FMB32-100	100	187.4								
BT40-FMB32-150	150	237.4								
BT40-FMB32-200	200	287.4								

© Pull Pin Must Be Ordered Separately.



BT-FMB

Face Mill Holder



Model	Dimension (mm)								FIG	T	
	L1	L2	d1	d2	D	K	K2	D3			
BT40-FMB40-60	60	23	40	48	80	8	16	\	Fig.1	M16x35	
BT40-FMB40-100	100										
BT40-FMB40-150	150										
BT40-FMB40-200	200										
BT40-FMC40-60	60			\	98	66.7	Fig.2				
BT50-FMB22-60	60	16.5	22	26	48	4.8	10	\	Fig.1		M10x30
BT50-FMB22-100	100										
BT50-FMB22-150	150										
BT50-FMB22-200	200										
BT50-FMB27-60	60	18.5	27	33	60	5.8	12	\	Fig.1	M12x30	
BT50-FMB27-100	100										
BT50-FMB27-150	150										
BT50-FMB27-200	200										
BT50-FMB32-60	60	20	32	41	73	6.8	14	\	Fig.1	M16x35	
BT50-FMB32-100	100										
BT50-FMB32-150	150										
BT50-FMB32-200	200										
BT50-FMB40-60	60	23	40	48	80	8	16	\	Fig.1		M16x35
BT50-FMB40-100	100										
BT50-FMB40-150	150										
BT50-FMB40-200	200										
BT50-FMC40-60	60			\	98	66.7	Fig.2				
BT50-FMC60.129-75	75	25	60	\	129	12.5	25.4	101.6	Fig.2	M16x35	
BT50-FMC60.129-100	100										

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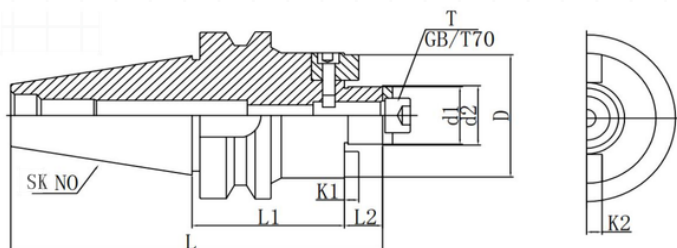


F74

F13

SK-FMB

Face Mill Holder



Model	Dimension (mm)								T
	L1	L	L2	d1	d2	D	K1	K2	
SK30-FMB22-45	45	109.3	16.5	22	26	45	4.8	10	M10x30
SK30-FMB22-60	60	124.3							
SK30-FMB27-45	45	111.3	18.5	27	33	54	5.8	12	M12x30
SK30-FMB27-60	60	126.3							
SK30-FMB32-60	60	130.3	22	32	41	58	6.8	14	M16x35

SK40-FMB22-45	45	129.9	16.5	22	26	48	4.8	10	M10x30
SK40-FMB22-60	60	144.9							
SK40-FMB22-100	100	184.9							
SK40-FMB22-150	150	234.9							
SK40-FMB27-45	45	131.9	18.5	27	33	60	5.8	12	M12x30
SK40-FMB27-60	60	146.9							
SK40-FMB27-100	100	186.9							
SK40-FMB27-150	150	236.9							
SK40-FMB27-200	200	286.9	20	32	41	62	6.8	14	M16x35
SK40-FMB32-60	60	150.4							
SK40-FMB32-100	100	190.4							
SK40-FMB32-150	150	240.4							
SK40-FMB32-200	200	290.4	23	40	48	80	8	16	M16x35
SK40-FMB40-60	60	153.4							
SK40-FMB40-100	100	193.4							
SK40-FMB40-150	150	243.4							
SK40-FMB40-200	200	293.4							

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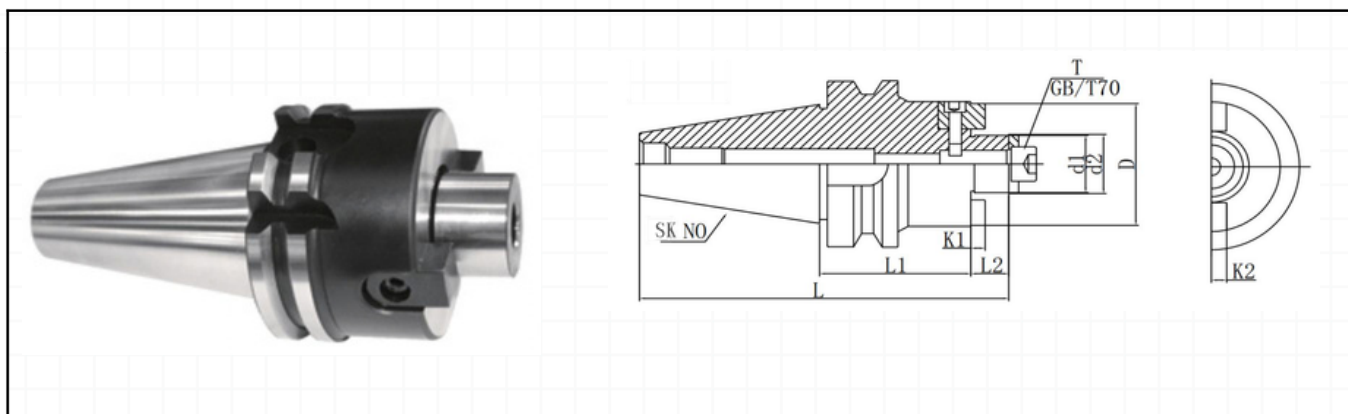
F14



F74

SK-FMB

Face Mill Holder



Model	Dimension (mm)								T
	L1	L	d1	d2	D	L2	K1	K2	
SK50-FMB22-60	60	178.25	22	26	48	16.5	4.8	10	M10x30
SK50-FMB22-100	100	218.25							
SK50-FMB22-150	150	268.25							
SK50-FMB22-200	200	318.25							
SK50-FMB27-60	60	180.25	27	33	60	18.5	5.8	12	M12x30
SK50-FMB27-100	100	220.25							
SK50-FMB27-150	150	270.25							
SK50-FMB27-200	200	320.25							
SK50-FMB32-60	60	183.75	32	41	73	20	6.8	14	M16x35
SK50-FMB32-100	100	223.75							
SK50-FMB32-150	150	273.75							
SK50-FMB32-200	200	333.75							
SK50-FMB40-60	60	186.75	40	48	80	23	8	16	M16x35
SK50-FMB40-100	100	226.75							
SK50-FMB40-150	150	276.75							
SK50-FMB40-200	200	326.75							

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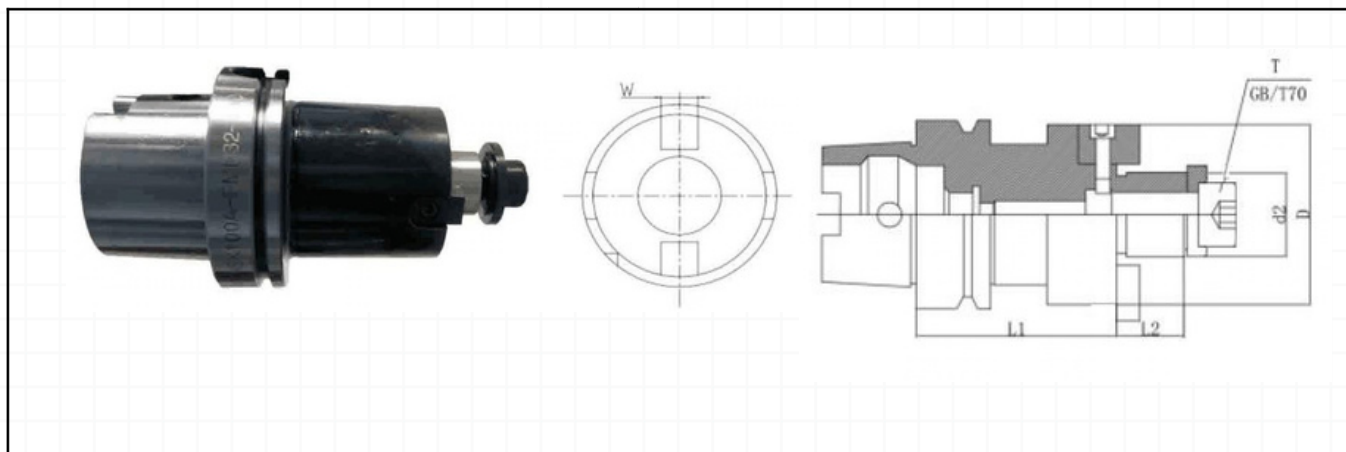


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F15

HSK-FMB

Face Mill Holder



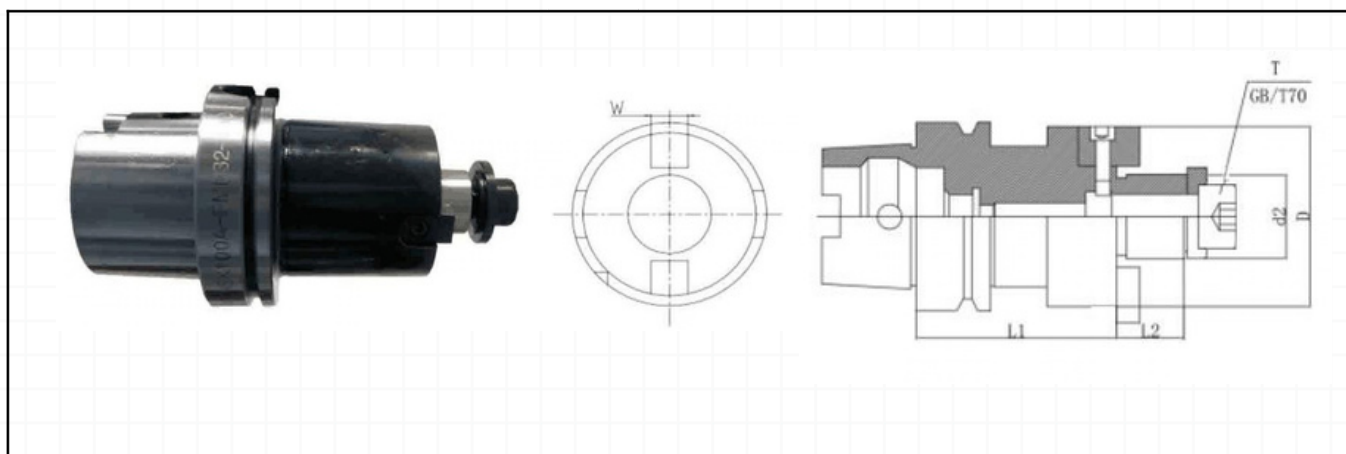
Model	Dimension (mm)					T
	L1	d2	D	L2	W	
HSK40A-FMB16-60	50	16	40	16.5	8	M8x25
HSK40A-FMB22-50	50	22	48	16.5	10	M10x30
HSK40A-FMB27-60	60	27	60	18.5	12	M12x30

HSK50A-FMB16-60	50	16	40	16.5	8	M8x25
HSK50A-FMB22-50	50	22	48	16.5	10	M10x30
HSK50A-FMB27-60	60	27	60	18.5	12	M12x30

HSK63A-FMB16-50	50	16	40	16.5	8	M8x25
HSK63A-FMB16-100	100					
HSK63A-FMB16-145	145					
HSK63A-FMB22-50	50	22	48	16.5	10	M10x30
HSK63A-FMB22-100	100					
HSK63A-FMB22-160	160					
HSK63A-FMB27-60	60	27	60	18.5	12	M12x30
HSK63A-FMB27-100	100					
HSK63A-FMB27-160	160					
HSK63A-FMB32-60	60	32	62	20	14	M16x35
HSK63A-FMB32-100	100					
HSK63A-FMB32-160	160					
HSK63A-FMB40-60	60	40	80	23	16	M16x35

HSK-FMB

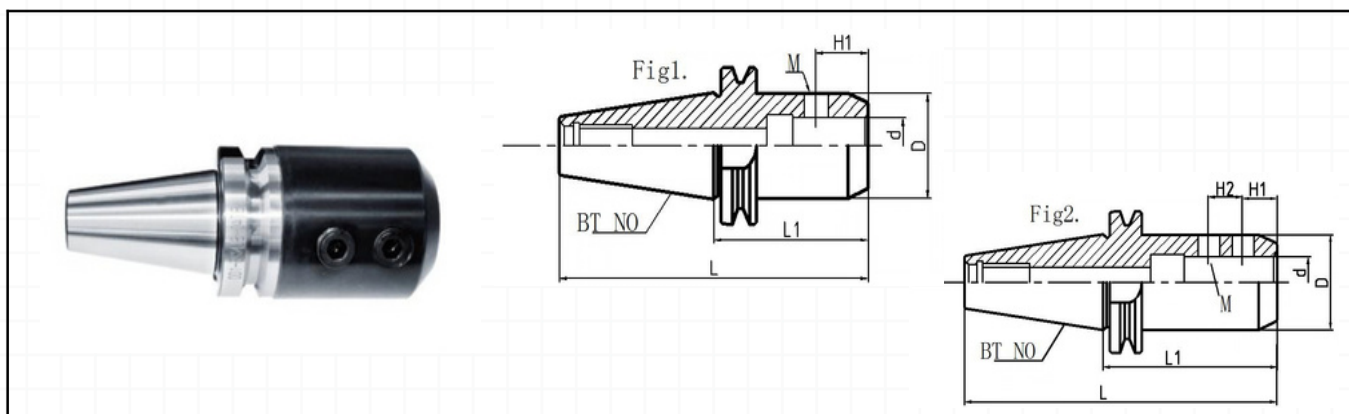
Face Mill Holder



Model	Dimension (mm)					T
	L1	d2	D	L2	W	
HSK100A-FMB22-50	50	22	48	16.5	10	M10x30
HSK100A-FMB22-100	100					
HSK100A-FMB27-50	50	27	60	18.5	12	M12x30
HSK100A-FMB27-100	100					
HSK100A-FMB27-160	160					
HSK100A-FMB32-50	50	32	73	20	14	M16x35
HSK100A-FMB32-100	100					
HSK100A-FMB32-160	160					
HSK100A-FMB40-60	60	40	80	23	16	M16x35
HSK100A-FMB40-100	100					
HSK100A-FMB40-160	160					

BT-SLN

SLN Side Lock Tool Holder



Model	Dimension (mm)						Shank Type	FIG
	D	M	L	L1	H1	H2	d	
BT30-SLN06-60	25	M6	108.4	60	18	—	6	Fig.1
BT30-SLN08-60	28	M8			18		8	
BT30-SLN10-60	35	M10			20		10	
BT30-SLN12-60	42	M12			22.5		12	
BT30-SLN16-75	48	M12			24		16	
BT30-SLN20-63	52	M16	111.4	63	25	25	20	Fig.2
BT30-SLN20-75	52	M16	123.4	75	25			
BT30-SLN25-80	65	M16	128.4	80	24			
BT30-SLN25-90	65	M16	138.4	90	24		25	
BT30-SLN25-100	65	M16	148.4	100	24			

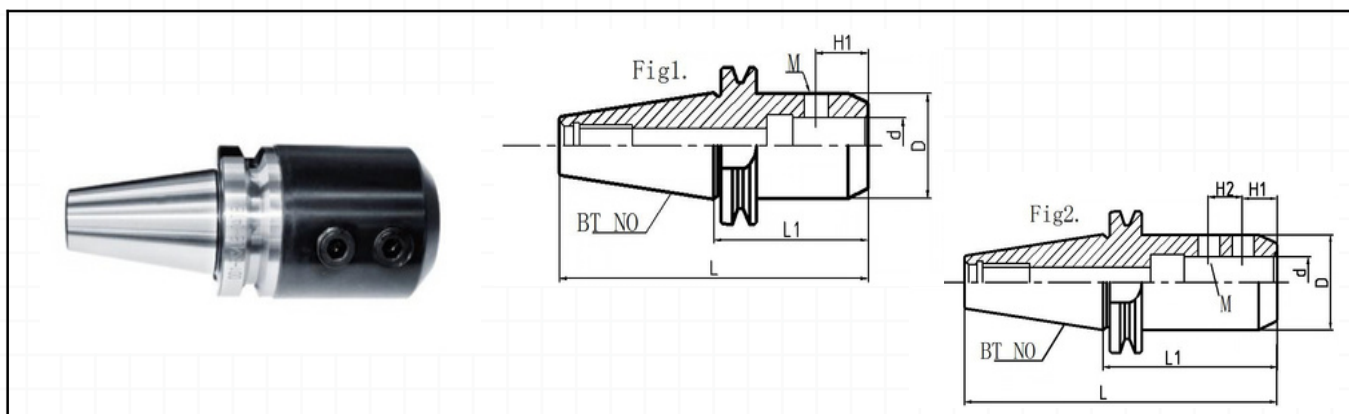
BT40-SLN06-50	25	M6	115.4	50	18	—	6	Fig.1
BT40-SLN08-50	28	M8			18		8	
BT40-SLN10-63	35	M10	128.4	63	20		10	
BT40-SLN12-63	42	M12			22.5		12	
BT40-SLN16-63	48	M12			24		16	
BT40-SLN20-63	52	M16			25		20	
BT40-SLN25-90	65	M16	155.4	90	24	25	25	Fig.2
BT40-SLN25-100	65	M16	165.4	100	24			
BT40-SLN32-100	72	M20			24	28	32	
BT40-SLN40-105	80	M20	170.4	105	30	32	40	
BT40-SLN42-105	82	M20			30		42	

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BT-SLN

SLN Side Lock Tool Holder



Model	Dimension (mm)						Shank Type	FIG
	D	M	L	L1	H1	H2	d	
BT50-SLN06-63	25	M6	164.8	63	18		6	Fig.1
BT50-SLN08-63	28	M8			18		8	
BT50-SLN10-63	35	M10			20		10	
BT50-SLN12-80	42	M12	181.8	80	22.5		12	
BT50-SLN16-80	48	M12			24		16	
BT50-SLN20-80	52	M16			25		20	
BT50-SLN25-100	65	M16	201.8	100	24	25	25	Fig.2
BT50-SLN32-105	72	M20	206.8	105	24	28	32	
BT50-SLN40-115	80	M20	216.8	115	30	32	40	
BT50-SLN42-120	82	M20	221.8	120	30		42	

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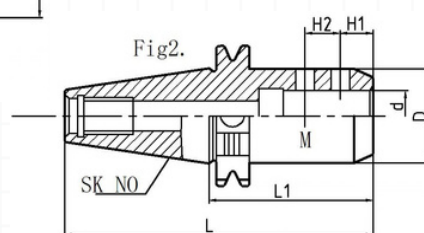
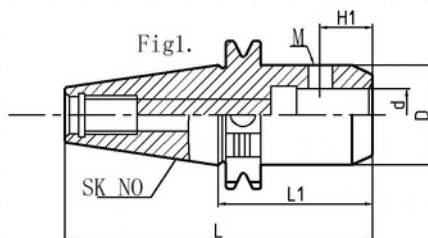


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F19

SK-SLN

Side Lock Tool Holder



Model	Dimension (mm)							FIG
	D	M	d	L	L1	H1	H2	
SK30-SLN06-50	25	M6	6	97.8	50	18	—	Fig.1
SK30-SLN08-50	28	M8	8			18		Fig.1
SK30-SLN10-50	35	M10	10			20		Fig.1
SK30-SLN12-50	42	M12	12			22.5		Fig.1
SK30-SLN16-63	48	M12	16	110.8	63	24	—	Fig.1
SK30-SLN20-63	52	M16	20			25		Fig.1
SK40-SLN06-50	25	M6	6	118.4	50	18	—	Fig.1
SK40-SLN08-50	28	M8	8			18		Fig.1
SK40-SLN10-50	35	M10	10			20		Fig.1
SK40-SLN12-50	42	M12	12			22.5		Fig.1
SK40-SLN16-63	48	M12	16	131.4	63	24	—	Fig.1
SK40-SLN20-63	52	M16	20			25		Fig.1
SK40-SLN25-100	65	M16	25	168.4	100	24	2	Fig.2
SK40-SLN32-100	72	M20	32			24	5	Fig.2
SK50-SLN06-63	25	M6	6	164.75	63	18	2	Fig.1
SK50-SLN08-63	28	M8	8			18	8	Fig.1
SK50-SLN10-63	35	M10	10			20	—	Fig.1
SK50-SLN12-63	42	M12	12			22.5		Fig.1
SK50-SLN16-63	48	M12	16			24		Fig.1
SK50-SLN20-63	52	M16	20			25		Fig.1
SK50-SLN25-80	65	M16	25	181.75	80	24	25	Fig.2
SK50-SLN32-100	72	M20	32	201.75	100	24	28	Fig.2
SK50-SLN40-100	90	M20	40			30	32	Fig.2
SK50-SLN42-100	100	M20	42			30	32	Fig.2

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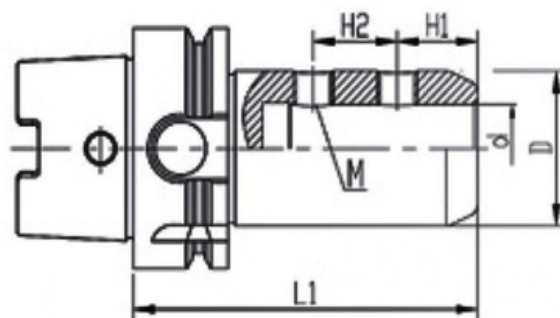
F20



F74

HSK-SLN

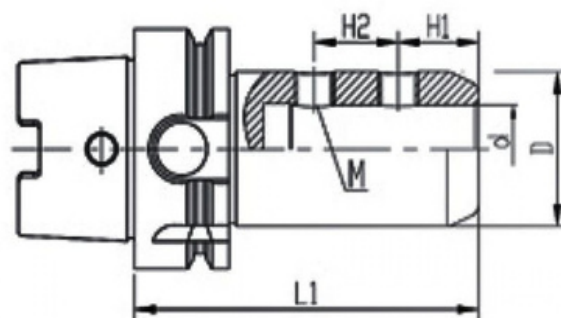
Side Lock Tool Holder



Model	Dimension (mm)					
	L1	d	D	H1	H2	M
HSK63A-SLN06-65	65	6	25	12	10	M6
HSK63A-SLN06-100	100					
HSK63A-SLN06-120	120					
HSK63A-SLN08-65	65	8	28	14	12	M8
HSK63A-SLN08-120	120					
HSK63A-SLN08-160	160					
HSK63A-SLN10-65	65	10	35	15	14	M10
HSK63A-SLN10-120	120					
HSK63A-SLN10-160	160					
HSK63A-SLN12-80	80	12	42	20	16	M12
HSK63A-SLN12-120	120					
HSK63A-SLN12-160	160					
HSK63A-SLN16-80	80	16	48	22	18	M12
HSK63A-SLN16-120	120					
HSK63A-SLN16-160	160					
HSK63A-SLN20-80	80	20	52	25	20	M16
HSK63A-SLN20-120	120					
HSK63A-SLN20-160	160					
HSK63A-SLN25-110	110	25	65	24	25	M16
HSK63A-SLN25-160	160					
HSK63A-SLN32-110	110	32	72	24	28	M20
HSK63A-SLN32-160	160					

HSK-SLN

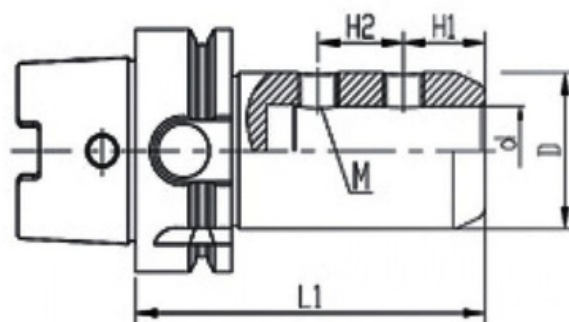
Side Lock Tool Holder



Model	Dimension (mm)					
	L1	d	D	H1	H2	M
HSK80A-SLN06-80	80	6	25	12	10	M6
HSK80A-SLN06-120	120					
HSK80A-SLN06-160	160					
HSK80A-SLN08-80	80	8	28	14	12	M8
HSK80A-SLN08-120	120					
HSK80A-SLN08-160	160					
HSK80A-SLN10-80	80	10	35	15	14	M10
HSK80A-SLN10-120	120					
HSK80A-SLN10-160	160					
HSK80A-SLN12-80	80	12	42	20	16	M12
HSK80A-SLN12-120	120					
HSK80A-SLN12-160	160					
HSK80A-SLN16-100	100	16	48	22	18	M12
HSK80A-SLN16-160	160					
HSK80A-SLN20-100	100	20	52	25	20	M16
HSK80A-SLN20-160	160					
HSK80A-SLN25-100	100	25	65	24	25	M16
HSK80A-SLN25-160	160					
HSK80A-SLN32-100	100	32	72	24	28	M20
HSK80A-SLN32-160	160					
HSK80A-SLN40-120	120	40	84	30	32	M20
HSK80A-SLN40-160	160					

HSK-SLN

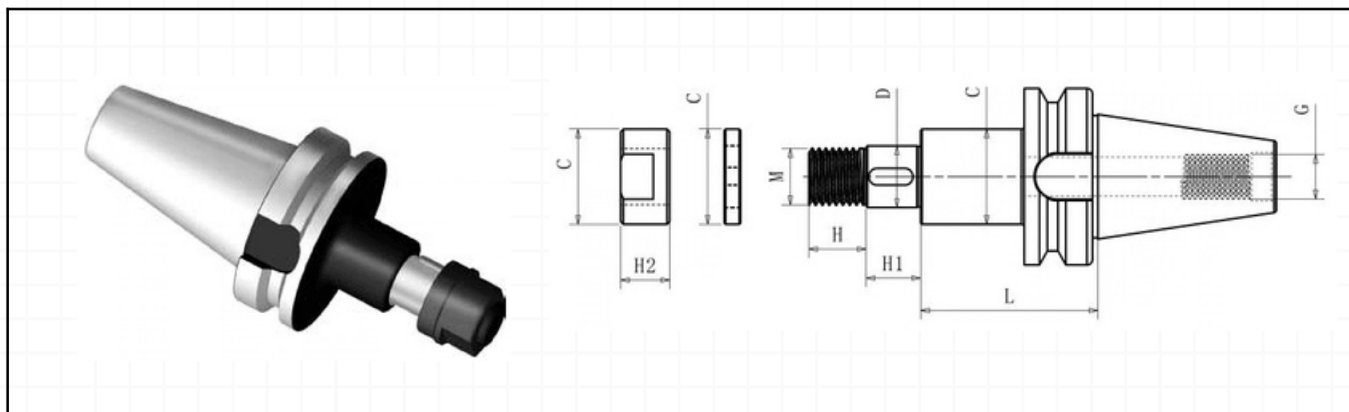
Side Lock Tool Holder



Model	Di mension (mm)					
	L1	d	D	H1	H2	M
HSK100A-SLN06-80	80	6	25	12	10	M6
HSK100A-SLN06-120	120					
HSK100A-SLN06-160	160					
HSK100A-SLN08-80	80	8	28	14	12	M8
HSK100A-SLN08-120	120					
HSK100A-SLN08-160	160					
HSK100A-SLN10-80	80	10	35	15	14	M10
HSK100A-SLN10-120	120					
HSK100A-SLN10-160	160					
HSK100A-SLN12-80	80	12	42	20	16	M12
HSK100A-SLN12-120	120					
HSK100A-SLN12-160	160					
HSK100A-SLN16-100	100	16	48	22	18	M12
HSK100A-SLN16-160	160					
HSK100A-SLN20-100	100	20	52	25	20	M16
HSK100A-SLN20-160	160					
HSK100A-SLN25-100	100	25	65	24	25	M16
HSK100A-SLN25-160	160					
HSK100A-SLN32-100	100	32	72	24	28	M20
HSK100A-SLN32-160	160					
HSK100A-SLN40-120	120	40	84	30	32	M20
HSK100A-SLN40-160	160					

BT-XS

Side Milling Three-Edge Tool Holder



Model	Dimension (mm)						Shank Type	M	G	Kg
	D	L	H	C	H1	H2				
BT30-XS13-75	13	75	15	20	30	12	BT30	M12×1.75	M12	0.6
BT30-XS16-75	16	75	16	26	30	13	BT30	M14×1.5	M12	0.7
BT30-XS22-75	22	75	21	34	30	18	BT30	M20×1.5	M12	0.8

BT40-XS13-75	13	75	15	20	30	12	BT40	M12×1.75	M16	1.3
BT40-XS13-105	13	105	15	20	30	12	BT40	M12×1.75	M16	1.4
BT40-XS16-75	16	75	16	26	30	13	BT40	M14×1.5	M16	1.4
BT40-XS16-105	16	105	16	26	30	13	BT40	M14×1.5	M16	1.5
BT40-XS22-75	22	75	25	34	30	24	BT40	M20×1.5	M16	1.6
BT40-XS22-105	22	105	25	34	30	24	BT40	M20×1.5	M16	1.9
BT40-XS27-75	27	75	25	40	30	24	BT40	M24×1.5	M16	2.1
BT40-XS27-120	27	120	25	40	30	24	BT40	M24×1.5	M16	2.5
BT40-XS32-90	32	90	30	47	30	29	BT40	M30×1.5	M16	2.6

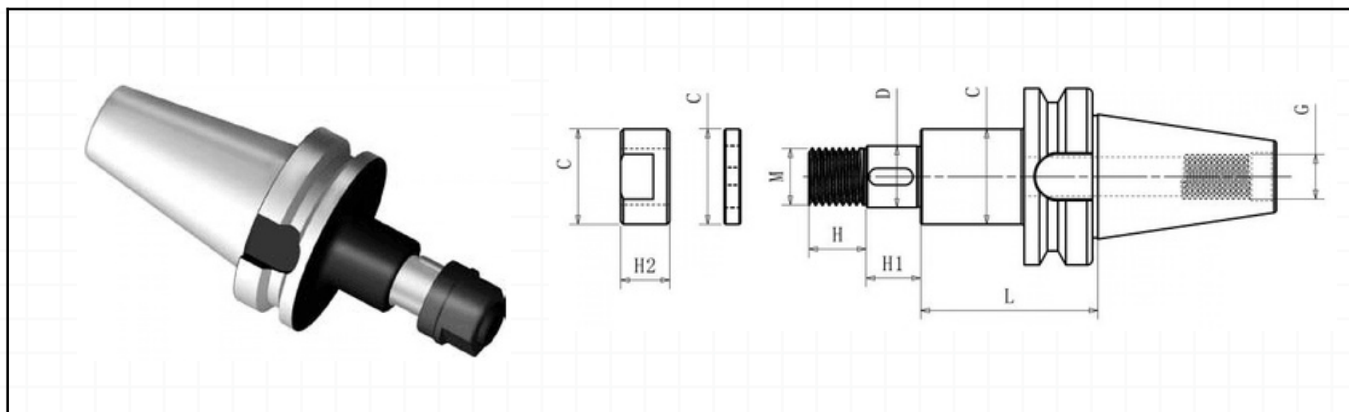
BT50-XS13-75	13	75	15	20	30	12	BT50	M12×1.75	M24	3.7
BT50-XS13-105	13	105	15	20	30	12	BT50	M12×1.75	M24	3.8
BT50-XS16-90	16	90	16	26	30	13	BT50	M14×1.5	M24	4.0
BT50-XS16-120	16	120	16	26	30	13	BT50	M14×1.5	M24	4.1
BT50-XS22-90	22	90	25	34	30	24	BT50	M20×1.5	M24	4.3
BT50-XS22-135	22	135	25	34	30	24	BT50	M20×1.5	M24	4.6
BT50-XS27-90	27	90	25	40	30	24	BT50	M24×1.5	M24	4.7
BT50-XS27-135	27	135	25	40	30	24	BT50	M24×1.5	M24	5.1
BT50-XS32-90	32	90	30	47	30	29	BT50	M30×1.5	M24	5.1
BT50-XS32-135	32	135	30	47	30	29	BT50	M30×1.5	M24	5.7

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BT-XS

Side Milling Three-Edge Tool Holder



Model	Dimension (mm)						Shank Type	M	G	Kg
	D	L	H	C	H1	H2				
BT50-XS40-90	40	90	35	55	30	34	BT50	M36×2.0	M24	5.8
BT50-XS40-135	40	135	35	55	30	34	BT50	M36×2.0	M24	6.8
BT50-XS50-100	50	100	40	69	30	39	BT50	M48×2.0	M24	7.0
BT50-XS50-150	50	150	40	69	30	39	BT50	M48×2.0	M24	8.5

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Spare Parts

Model	Key	Lock Nut	Spacer Sleeve
XS13	-	LM M12×1.75	FJ XS13×5/10/20 FJ
XS16	JK04 4×4×25	LM M14×1.5	XS16×5/10/20 FJ
XS22	JK06 6×6×25	LM M20×1.5	XS22×5/10/20 FJ
XS27	JK07 7×7×25	LM M24×1.5	XS27×5/10/20 FJ
XS32	JK08 8×8×25	LM M30×1.5	XS32×5/10/20 FJ
XS40	JK10 10×8×25	LM M36×2.0	XS40×5/10/20 FJ
XS50	JK12 12×8×25	LM M48×2.0	XS50×5/10/20

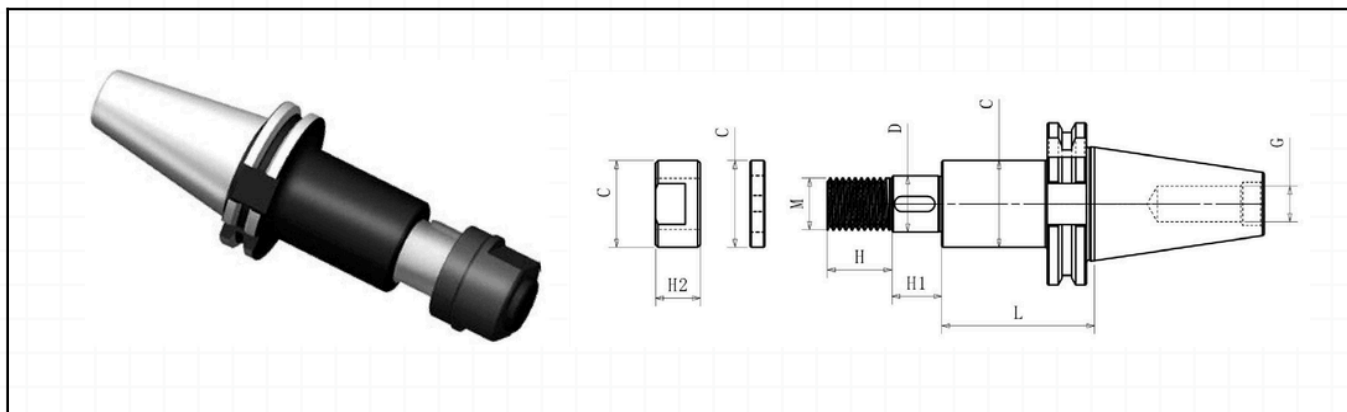


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F25

SK-XS

Side Milling Three-Edge Tool Holder



Model	Dimension (mm)						M	G	Kg
	D	L	H	C	H1	H2			
SK30-XS13-75	13	75	15	20	30	12	M12×1.75	M12	0.6
SK30-XS16-75	16	75	16	26	30	13	M14×1.5	M12	0.7
SK30-XS22-75	22	75	21	34	30	18	M20×1.5	M12	0.8

SK40-XS13-75	13	75	15	20	30	12	M12×1.75	M16	1.3
SK40-XS13-105	13	105	15	20	30	12	M12×1.75	M16	1.4
SK40-XS16-75	16	75	16	26	30	13	M14×1.5	M16	1.4
SK40-XS16-105	16	105	16	26	30	13	M14×1.5	M16	1.5
SK40-XS22-75	22	75	21	34	30	18	M20×1.5	M16	1.6
SK40-XS22-105	22	105	21	34	30	18	M20×1.5	M16	1.9
SK40-XS27-75	27	75	25	40	30	21	M24×2.0	M16	2.1
SK40-XS27-120	27	120	25	40	30	21	M24×2.0	M16	2.5
SK40-XS32-90	32	90	30	47	30	26	M30×1.5	M16	2.6

SK50-XS13-75	13	75	15	20	30	12	M12×1.75	M24	3.7
SK50-XS13-105	13	105	15	20	30	12	M12×1.75	M24	3.8
SK50-XS16-90	16	90	16	26	30	13	M14×1.5	M24	4.0
SK50-XS16-120	16	120	16	26	30	13	M14×1.5	M24	4.1
SK50-XS22-90	22	90	21	34	30	18	M20×1.5	M24	4.3
SK50-XS22-135	22	135	21	34	30	18	M20×1.5	M24	4.6
SK50-XS27-90	27	90	25	40	30	21	M24×2.0	M24	4.7
SK50-XS27-135	27	135	25	40	30	21	M24×2.0	M24	5.1
SK50-XS32-90	32	90	30	47	30	26	M30×1.5	M24	5.1
SK50-XS32-135	32	135	30	47	30	26	M30×1.5	M24	5.7

© Pull Pin Must Be Ordered Separately.

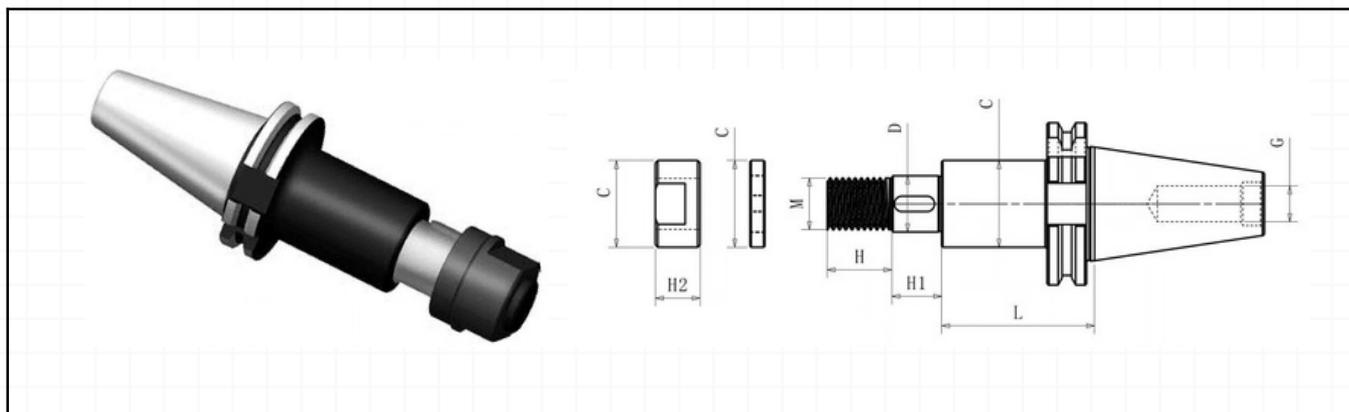
F26



F74

SK-XS

Side Milling Three-Edge Tool Holder



Model	Dimension (mm)						M	G	Kg
	D	L	H	C	H1	H2			
SK50-XS40-90	40	90	35	55	30	34	M36×2.0	M24	5.8
SK50-XS40-135	40	135	35	55	30	34	M36×2.0	M24	6.8
SK50-XS50-150	50	150	40	69	30	39	M48×2.0	M24	8.5

© Pull Pin Must Be Ordered Separately.º

Spare Parts

Model	Key	Lock Nut	Space Sleeve
XS13	-	LM M12×1.75	FJ XS13×5/10/20
XS16	PL08 4×4×25	LM M14×1.5	FJ XS16×5/10/20
XS22	PL08 6×6×25	LM M20×1.5	FJ XS22×5/10/20
XS27	PL08 7×7×25	LM M24×2.0	FJ XS27×5/10/20
XS32	PL08 8×7×25	LM M30×2.0	FJ XS32×5/10/20
XS40	PL08 10×8×25	LM M36×2.0	FJ XS40×5/10/20
XS50	PL08 12×8×25	LM M48×2.0	FJ XS50×5/10/20

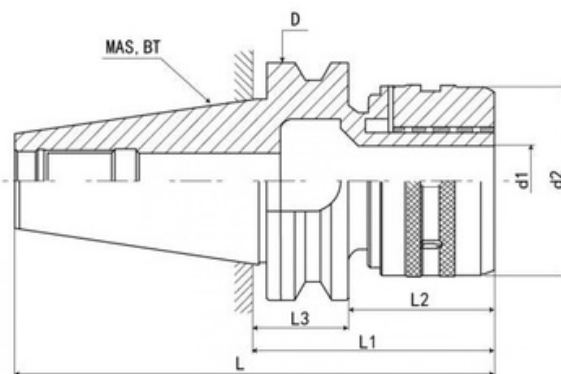


F74

F27

BT-C

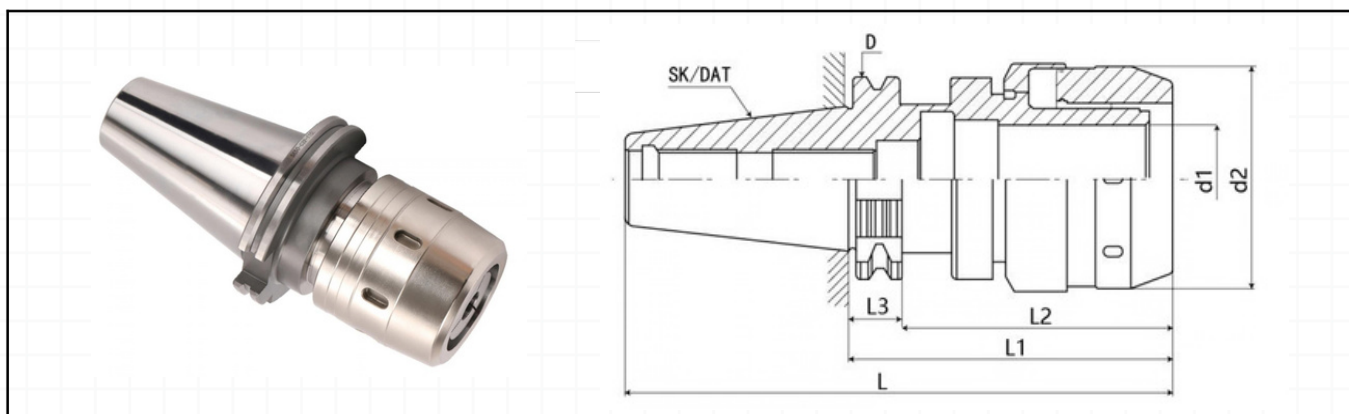
High Precision Power Tool Holder



Model		Shank Type	Dimension (mm)						Collet	 Kg		
			L	L1	L2	L3	D	d1			d2	
BT30-C20-80		BT30	128.4	80	58	22	46	20	56	SC20	1.3	
BT30-C25-100			148.4	100	78	22	46	25	61	SC25	1.6	
BT30-C32-105			153.4	105	83	22	46	32	68	SC32	2.3	
BT40-C20-100		BT40	165.4	100	73	27	63	20	56	SC20	2.0	
BT40-C25-100			165.4	100	73	27	63	25	61	SC25	2.2	
BT40-C25-135			200.4	135	108	27	63	25	61		3.1	
BT40-C32-105			170.4	105	78	27	63	32	68	SC32	2.5	
BT40-C32-135			200.4	135	108	27	63	32	68		3.1	
BT40-C32-165			230.4	165	138	27	63	32	68		3.9	
BT40-C32-200			265.4	200	173	27	63	32	68		4.6	
BT40-C32-250			315.4	250	223	27	63	32	68		5.7	
BT40-C42-130			195.4	130	103	27	63	42	87	SC42	—	
BT50-C25-110			BT50	211.8	110	72	38	100	25	61	SC25	—
BT50-C25-165				236.8	165	127	38	100	25	61		6.1
BT50-C32-110		211.8		110	72	38	100	32	68	SC32	—	
BT50-C32-135		236.8		135	97	38	100	32	68		6.1	
BT50-C32-165		266.8		165	127	38	100	32	68		6.9	
BT50-C32-200		301.8		200	162	38	100	32	68		7.8	
BT50-C32-250		351.8		250	212	38	100	32	68		9.45	
BT50-C32-300		401.8		300	262	38	100	32	68		11.75	
BT50-C32-350		451.8		350	312	38	100	32	68		12.3	
BT50-C32-400		501.8		400	362	38	100	32	68		—	
BT50-C32-450		551.8		450	412	38	100	32	68		—	
BT50-C42-135		236.8		135	97	38	100	42	87	SC42	6.2	
BT50-C42-165		266.8		165	127	38	100	42	87		7.6	
BT50-C42-200		301.8		200	162	38	100	42	87		9.0	
F28		F71		F74		F77	© Collet, Pull Pin, and Wrench Must Be Ordered Separately.					

SK-C

High Precision Power Tool Holder



Model	Shank Type	Dimension (mm)							Collet
		L	L1	L2	L3	d1	d2	D	
SK30-C20-85	SK30	132.8	85	69	19.1	20	56	50	SC20
SK30-C20-100		147.8	100	84	19.1	20	56	50	
SK30-C32-105		152.8	105	89	19.1	32	68	63.55	SC32

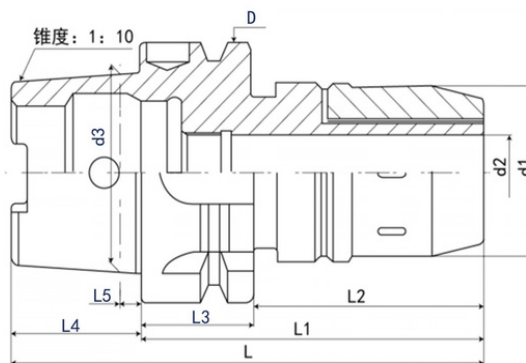
SK40-C20-85	SK40	132.8	85	69	19.1	20	56	63.55	SC20
SK40-C20-100		147.8	100	84	19.1	20	56	63.55	
SK40-C20-135		182.8	135	119	19.1	20	56	63.55	
SK40-C25-100		147.8	100	84	19.1	25	61	63.55	SC25
SK40-C25-135		182.8	135	119	19.1	25	61	63.55	
SK40-C32-105		152.8	105	89	19.1	32	68	63.55	SC32
SK40-C32-135		182.8	135	119	19.1	32	68	63.55	

SK50-C20-105		206.75	105	89	19.1	20	56	97.5	SC20
SK50-C20-150		251.75	150	134	19.1	20	56	97.5	
SK50-C25-105		206.75	105	89	19.1	25	61	97.5	SC25
SK50-C25-165		266.75	165	149	19.1	25	61	97.5	
SK50-C32-110		211.75	110	94	19.1	32	68	97.5	SC32
SK50-C32-165		266.75	165	149	19.1	32	68	97.5	
SK50-C32-200		301.75	200	184	19.1	32	68	97.5	
SK50-C42-110		211.75	110	94	19.1	42	87	97.5	SC42
SK50-C42-150		251.75	150	134	19.1	42	87	97.5	

© Collet, Pull Pin, and Wrench Must Be Ordered Separately.

HSK-C

High Precision Power Tool Holder



Model	Shank Type	Dimension (mm)										Collet
		D	L	L1	L2	L3	L4	L5	d1	d2	d3	
HSK50A-C20-120	HSK50A	38	145	120	94	2	25	5	55	20	38	SC2
HSK50A-C25-120		38	145	120	94	6	25	5	60	25	38	0
2												SC2
HSK63A-C20-95	HSK63A	63	127	95	69	Ø6	32	6.3	55	20	48	5 SC20
HSK63A-C20-110		63	142	110	84	26	32	6.3	55	20	48	
HSK63A-C25-100		63	132	100	74	26	32	6.3	60	25	48	SC25
HSK63A-C25-130		63	162	130	104	26	32	6.3	60	25	48	
HSK63A-C32-110		63	142	110	108	26	32	6.3	73	32	48	SC32
HSK63A-C32-130		63	162	130	104	26	32	6.3	73	32	48	
HSK63A-C32-150		63	182	150	124	26	32	6.3	73	32	48	
HSK80A-C20-105	HSK80A	80	145	105	79	26	40	8	55	20	60	SC20
HSK80A-C25-105		80	145	105	79	26	40	8	60	25	60	SC25
HSK80A-C32-120		80	160	120	94	26	40	8	73	32	60	SC32
HSK80A-C42-130		80	170	130	104	26	40	8	95	42	60	SC42

© Collet and Wrench Must Be Ordered Separately.

F30



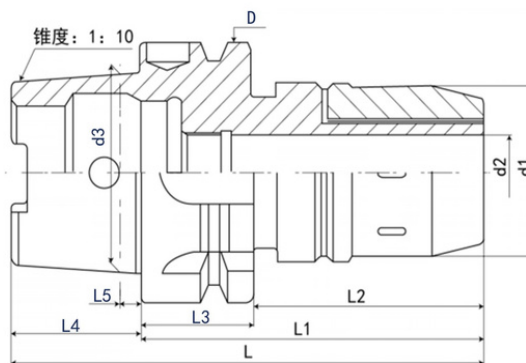
F71



F77

HSK-C

High Precision Power Tool Holder



Model	Shank Type	Dimension (mm)										Collet
		D	L	L1	L2	L3	L4	L5	d1	d2	d3	
HSK100A-C20-100	HSK 100A	100	150	100	71	29	50	10	55	20	75	SC20
HSK100A-C20-110		100	160	110	81	29	50	10	55	20	75	
HSK100A-C20-130		100	180	130	101	29	50	10	55	20	75	

HSK100A-C25-100	HSK 100A	100	150	100	71	29	50	10	60	25	75	SC25
HSK100A-C25-110		100	160	110	81	29	50	10	60	25	75	
HSK100A-C25-130		100	180	130	101	29	50	10	60	25	75	
HSK100A-C25-160		100	210	160	130	29	50	10	60	25	75	

HSK100A-C32-100	HSK 100A	100	150	100	71	29	50	10	73	32	75	SC32
HSK100A-C32-110		100	160	110	81	29	50	10	73	32	75	
HSK100A-C32-130		100	180	130	101	29	50	10	73	32	75	
HSK100A-C32-160		100	210	160	131	29	50	10	73	32	75	
HSK100A-C32-200		100	250	200	171	29	50	10	73	32	75	
HSK100A-C32-250		100	300	250	221	29	50	10	73	32	75	
HSK100A-C32-300		100	350	300	271	29	50	10	73	32	75	

HSK100A-C42-110 1	HSK 100A	100	160	110	81	29	50	10	95	42	75	SC42
HSK100A-C42-130		100	180	130	101	29	50	10	95	42	75	
HSK100A-C42-160		100	210	160	131	29	50	10	95	42	75	
HSK100A-C42-200		100	250	200	171	29	50	10	95	42	75	
HSK100A-C42-250		100	300	250	221	29	50	10	95	42	75	
HSK100A-C42-300		100	350	300	271	29	50	10	95	42	75	

© Collet and Wrench Must Be Ordered Separately.



F31

BT-CY

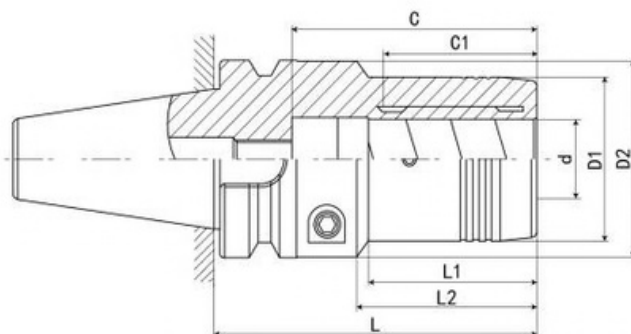
Hydraulic Tool Holder



FIG. 1



FIG. 2



Model	Dimension (mm)									Fig 1	Weigh t (KG)
	d	D1	D2	L	L1	L2	C1	C	M		
BT30-CY06-75	6	30	46	75	26	30	26	42	5	1	0.8
BT30-CY08-75	8	32	46	75	26	24	26	42	6	1	0.85
BT30-CY10-75	10	34	46	75	31	24	31	45	6	1	0.85
BT30-CY12-75	12	36	46	75	25	27	32	45	8	1	0.85
BT30-CY16-90	16	40	46	90	33	35	42	52	8	1	1.05
BT30-CY20-90	20	46	46	90	—	—	42	52	8	2	1.1
BT30-CY25-105	25	55	65	105	44	47	50	80	8	2	1.65
BT30-CY32-105	32	60	70	105	39	44	52	80	8		1.8

BT40-CY06-75	6	31	46	75	26	30	26	46	5	1	1.32
BT40-CY06-90	6	30	46	90	33	44	26	46	5	1	1.41
BT40-CY08-75	8	33	48	75	26	30	25	46	5	1	1.36
BT40-CY08-90	8	32	48	90	33	44	25	46	5	1	1.46
BT40-CY10-75	10	35	50	75	26	30	31	57	8	1	1.43
BT40-CY10-90	10	36	52	90	34	44	31	57	8	1	1.57
BT40-CY12-75	12	37	51	75	26	30	32	57	8	1	1.46
BT40-CY12-90	12	38	54	90	33	44	32	57	8	1	1.62
BT40-CY14-75	14	38	56	75	26	30	41	57	8	1	1.48
BT40-CY14-90	14	40	56	90	33	44	41	57	8	1	1.68
BT40-CY16-75	16	40	58	75	26	30	42	75	12	1	1.51
BT40-CY16-90	16	42	58	90	33	44	42	75	12	1	1.7
BT40-CY20-75	20	44	60	75	26	30	42	75	12	1	1.52
BT40-CY20-90	20	46	60	90	33	44	42	75	12	1	1.75
BT40-CY25-105	25	52	62	105	47	58	51	80	12	1	2.05
BT40-CY32-105	32	62	73	105	43.2	46.1	53	90	12	2	2.34

© Collet, Pull Pin, and Wrench Must Be Ordered Separately.

F32



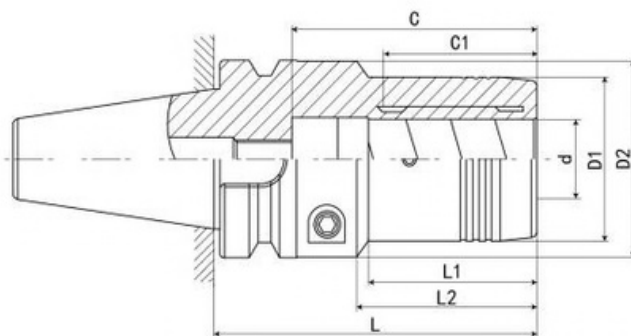
F72



F74

BT-CY

Hydraulic Tool Holder

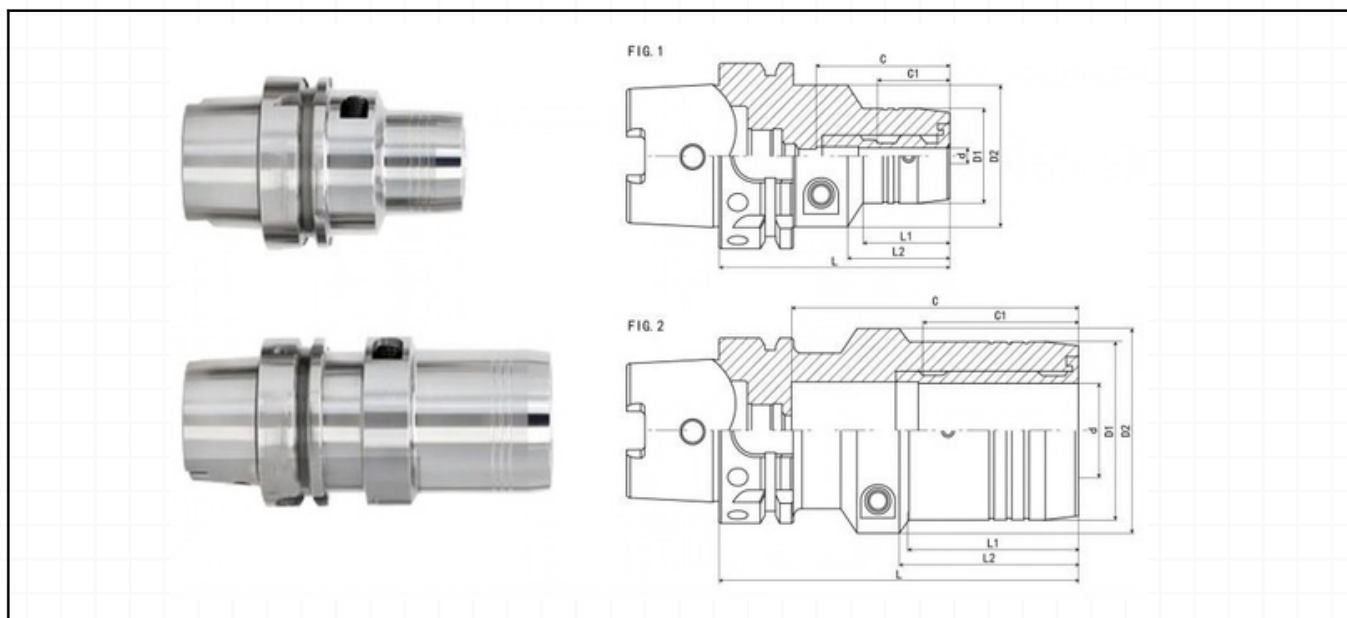


Model	Dimension (mm)									Weight (KG)
	d	D1	D2	L	L1	L2	C1	C	M	
BT50-CY06-105	6	30	46	105	26	29	30.5	57	5	4.09
BT50-CY08-105	8	32	48	105	26	29	27.5	57	6	4.16
BT50-CY10-105	10	36	52	105	26	29	31	57	8	4.26
BT50-CY12-105	12	38	54	105	26	29	32	57	10	4.34
BT50-CY16-105	16	42	58	105	26	29	42	75	10	4.48
BT50-CY20-105	20	46	60	105	26	29	42	75	10	4.53
BT50-CY25-120	25	52	62	120	56	58	50	80	16	4.68
BT50-CY32-120	32	62	72	120	43	47	50	90	16	5.15
BT50-CY40-120	40	70	84	120	53	82	57.5	89.5	16	5.35

© Collet, Pull Pin, and Wrench Must Be Ordered Separately.

HSK-CY

Hydraulic Tool Holder



Model	Dimension (mm)									FIG	W.Kg
	d	D1	D2	L	L1	L2	C1	C	M		
HSK63A-CY06-80	6	32	48	80	30	35	26	44.5	5	1	1.15
HSK63A-CY08-80	8	34	50	80	32	35	25	46	6	1	1.15
HSK63A-CY10-80	10	36	52	80	32	36	31	50	6	1	1.2
HSK63A-CY12-80	12	38	52	80	32	36	41	50	6	1	1.25
HSK63A-CY14-90	14	40	52	90	41	44	42	50.5	12	1	1.35
HSK63A-CY16-90	16	42	52	90	41	44	42	60	12	1	1.35
HSK63A-CY20-90	20	46	52	90	41	44	42	60	12	1	1.4
HSK63A-CY25-120	25	55	63	120	52.5	55.5	51	95	—	2	2.1
HSK63A-CY32-125	32	60	69	125	59	62	53	100	—	2	2.2

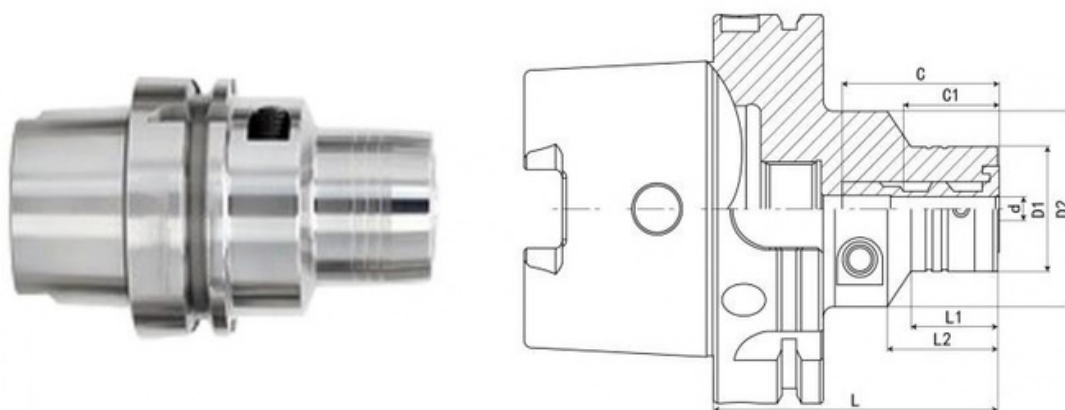
© C1 is the minimum insertion depth; C is the maximum insertion depth.

© Collet Must Be Ordered Separately.



HSK-CY

Hydraulic Tool Holder



Model	Dimension (mm)								W.KG
	d	D1	D2	L	L1	L2	C1	C	
HSK100A-CY06-75	6	32	50	75	26	29	26	41	2.55
HSK100A-CY08-75	8	34	50	75	26	29	26	41	2.55
HSK100A-CY10-90	10	36	50	90	42	44	31	61	2.7
HSK100A-CY12-95	12	38	50	95	47	49	37	63	2.75
HSK100A-CY16-100	16	42	50	100	53	54	42	68	2.8
HSK100A-CY20-105	20	46	52	105	59	—	41.5	73	2.95
HSK100A-CY25-110	25	55	63	110	61	63.4	50.2	77.5	3.4
HSK100A-CY32-110	32	60	75	110	61	63.4	54.5	77.5	3.8

© C1 is the minimum insertion depth; C is the maximum insertion depth

© Collet Must Be Ordered Separately.

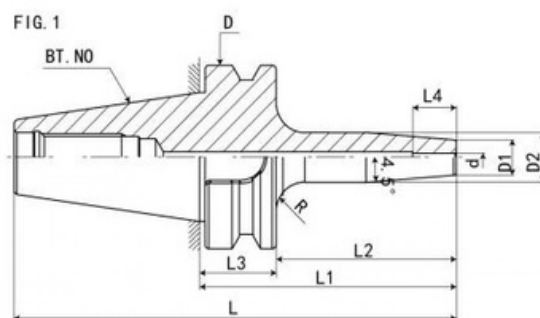


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F35

BT-SF

Shrink Fit Tool Holder



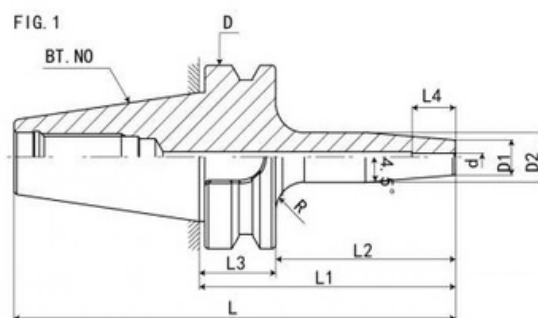
Model	Dimension (mm)										W.KG
	L	L1	L2	L3	L4	D	D1	D2	d	R	
BT30-SF03-80L	128.4	80	58	22	15	46	12	17	3	5	0.6
BT30-SF04-80L	128.4	80	58	22	17	46	12	17	4	5	0.6
BT30-SF04-120L	168.4	120	98	22	17	46	12	17	4	5	0.7
BT30-SF05-80L	128.4	80	58	22	17	46	12	17	5	5	0.6
BT30-SF05-120L	168.4	120	98	22	17	46	12	17	5	5	0.7
BT30-SF06-80L	128.4	80	58	22	23	46	21	27	6	3	0.7
BT30-SF06-120L	168.4	120	98	22	23	46	21	27	6	5	0.9
BT30-SF08-80L	128.4	80	58	22	27	46	21	27	8	3	0.7
BT30-SF08-120L	168.4	120	98	22	27	46	21	27	8	5	0.9
BT30-SF10-80L	128.4	80	58	22	32	46	24	32	10	1	0.8
BT30-SF10-120L	168.4	120	98	22	32	46	24	32	10	4	1.1
BT30-SF12-80L	128.4	80	58	22	37	46	24	32	12	1	0.8
BT30-SF12-120L	168.4	120	98	22	37	46	24	32	12	4	1.1
BT30-SF14-80L	128.4	80	58	22	37	46	27	34	14	1	0.8
BT30-SF14-120L	168.4	120	98	22	37	46	27	34	14	3	1.1
BT30-SF16-90L	138.4	90	68	22	40	46	27	34	16	1	0.8
BT30-SF16-120L	168.4	120	98	22	40	46	27	34	16	3	1.1
BT30-SF18-90L	138.4	90	68	22	40	46	33	41	18	1	1.0
BT30-SF18-120L	168.4	120	98	22	40	46	33	42	18	1	1.5
BT30-SF20-90L	138.4	90	68	22	42	46	33	41	20	1	1.0
BT30-SF20-120L	168.4	120	98	22	42	46	33	42	20	1	1.5

© Pull Pin Must Be Ordered Separately.



BT-SF

Shrink Fit Tool Holder



Model	Dimension (mm)										W.KG
	L	L1	L2	L3	L4	D	D1	D2	d	R	
BT40-SF03-90L	155.4	90	63	27	15	63	12	17	3	5	1.1
BT40-SF03-120L	185.4	120	93	27	15	63	12	17	3	5	1.2
BT40-SF03-160L	225.4	160	133	27	15	63	12	17	3	5	1.3
BT40-SF04-90L	155.4	90	63	27	17	63	12	17	4	5	1.1
BT40-SF04-120L	185.4	120	93	27	17	63	12	17	4	5	1.2
BT40-SF04-160L	225.4	160	133	27	17	63	12	17	4	5	1.3
BT40-SF05-90L	155.4	90	63	27	17	63	12	17	5	5	1.1
BT40-SF05-120L	185.4	120	93	27	17	63	12	17	5	5	1.2
BT40-SF05-160L	225.4	160	133	27	17	63	12	17	5	5	1.3

© Pull Pin Must Be Ordered Separately.

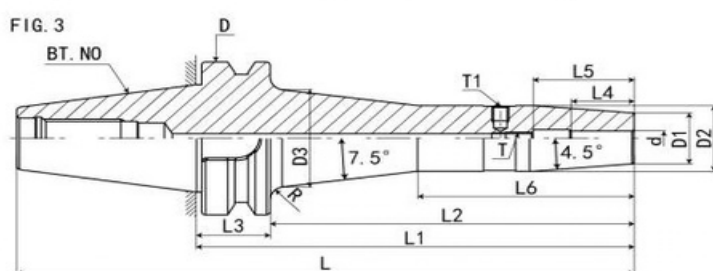
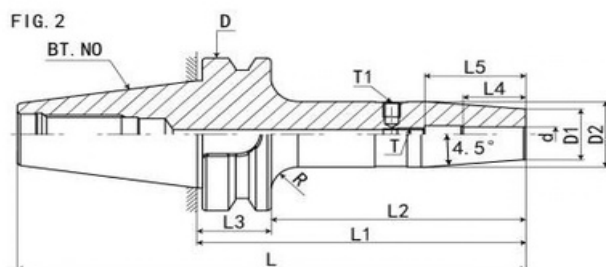


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F37

BT-SF

Shrink Fit Tool Holder



Model	Dimension (mm)										W.KG
	L	L1	L2	L4	L5	L6	D1	D2	D3	d	
BT40-SF06-90L	155.4	90	63	23	37	-	21	27	-	6	1.2
BT40-SF06-120L	185.4	120	93	23	37	-	21	27	-	6	1.5
BT40-SF06-160L *	225.4	160	133	23	37	78	21	27	41	6	1.8
BT40-SF06-200L *	265.4	200	173	23	37	118	21	27	41	6	2.2
BT40-SF08-90L	155.4	90	63	27	37	-	21	27	-	8	1.2
BT40-SF08-120L	185.4	120	93	27	37	-	21	27	-	8	1.5
BT40-SF08-160L *	225.4	160	133	27	37	78	21	27	41	8	1.8
BT40-SF08-200L *	265.4	200	173	27	37	118	21	27	41	8	2.2
BT40-SF10-90L	155.4	90	63	32	42	-	24	32	-	10	1.3
BT40-SF10-120L	185.4	120	93	32	42	-	24	32	-	10	1.6
BT40-SF10-160L *	225.4	160	133	32	42	78	24	32	46	10	1.9
BT40-SF10-200L *	265.4	200	173	32	42	118	24	32	46	10	2.3
BT40-SF12-90L	155.4	90	63	37	48	-	24	32	-	12	1.3
BT40-SF12-120L	185.4	120	93	37	48	-	24	32	-	12	1.6
BT40-SF12-160L *	225.4	160	133	37	48	78	24	32	46	12	1.9
BT40-SF12-200L *	265.4	200	173	37	48	118	24	32	46	12	2.3
BT40-SF14-90L	155.4	90	63	37	48	-	27	34	-	14	1.3
BT40-SF14-120L	185.4	120	93	37	48	-	27	34	-	14	1.6
BT40-SF14-160L *	225.4	160	133	37	48	78	27	34	48	14	1.9
BT40-SF14-200L *	265.4	200	173	37	48	118	27	34	48	14	2.3

©Pull Pin Must Be Ordered Separately.

Interface d	Adjustment Screw T	Interface d	Adjustment Screw T
6	M5*0.8P	10	TM8*1.0P
8	M6*1.0P	12	M10*1.0P
		14	M10*1.0P

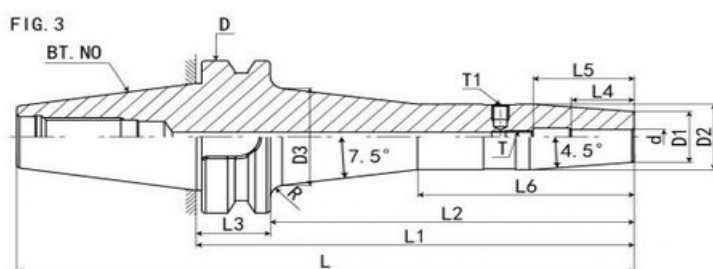
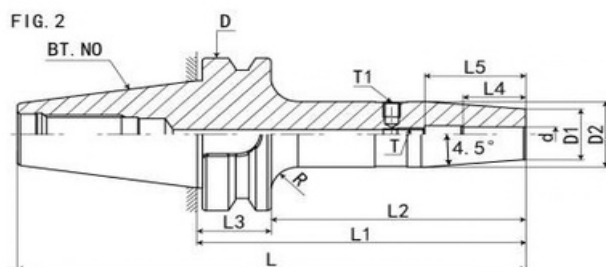
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BT-SF

Shrink Fit Tool Holder



Model	Dimension (mm)										W.KG
	L	L1	L2	L4	L5	L6	D1	D2	D3	d	
BT40-SF16-90	155.4	90	63	40	51	-	27	34	-	16	1.3
BT40-SF16-120	185.4	120	93	40	51	-	27	34	-	16	1.6
BT40-SF16-160 *	225.4	160	133	40	51	78	27	34	48	16	1.9
BT40-SF16-200 *	265.4	200	173	40	51	118	27	34	48	16	2.3
BT40-SF18-90	155.4	90	63	40	51	-	33	41	-	18	1.4
BT40-SF18-120	185.4	120	93	40	51	-	33	42	-	18	1.8
BT40-SF18-160	225.4	160	133	40	51	-	33	42	-	18	2.1
BT40-SF18-200	265.4	200	173	40	51	-	33	42	-	18	2.4
BT40-SF20-90	155.4	90	63	42	52	-	33	42	-	20	1.4
BT40-SF20-120	185.4	120	93	42	52	-	33	42	-	20	1.8
BT40-SF20-160	225.4	160	133	42	52	-	33	42	-	20	2.1
BT40-SF20-200	265.4	200	173	42	52	-	33	42	-	20	2.4
BT40-SF25-100	155.4	90	63	48	59	-	44	53	-	25	2.1
BT40-SF25-120	185.4	120	93	48	59	-	44	53	-	25	2.3
BT40-SF25-160	225.4	160	133	48	59	-	44	53	-	25	2.6
BT40-SF25-200	265.4	200	173	48	59	-	44	53	-	25	3.1
BT40-SF32-100	155.4	90	63	52	61	-	44	53	-	32	2.1
BT40-SF32-120	185.4	120	93	52	61	-	44	53	-	32	2.3
BT40-SF32-160	225.4	160	133	52	61	-	44	53	-	32	2.6
BT40-SF32-200	265.4	200	173	52	61	-	44	53	-	32	3.1

© Pull Pin Must Be Ordered Separately.

Interface d	Adjustment Screw T	Interface d	Adjustment Screw
16	M6*1.0P	25	T TM8*1.0P
20	M6*1.0P	32	M10*1.0P

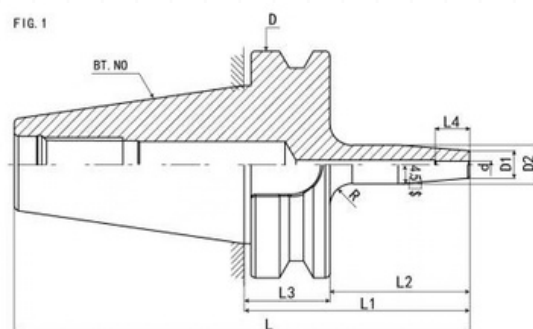


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BT-SF

Shrink Fit Tool Holder



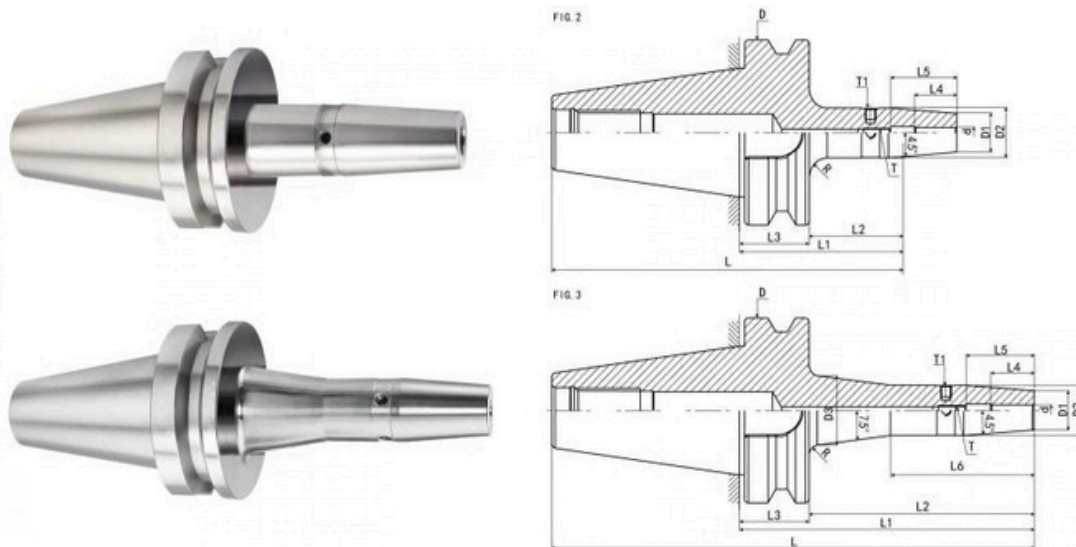
Model	Dimension (mm)									W.KG
	L	L1	L2	L3	L4	D	D1	D2	d	
BT50-SF03-100L	201.8	100	62	38	12	100	12	17	3	3.7
BT50-SF03-120L	221.8	120	82	38	12	100	12	20	3	3.9
BT50-SF03-160L	261.8	160	122	38	12	100	12	20	3	4.2
BT50-SF04-100L	201.8	100	62	38	16	100	12	17	4	3.7
BT50-SF04-120L	221.8	120	82	38	16	100	15	22	4	3.9
BT50-SF04-160L	261.8	160	122	38	16	100	15	22	4	4.2
BT50-SF05-100L	201.8	100	62	38	18	100	12	17	5	3.7
BT50-SF05-120L	221.8	120	82	38	18	100	15	22	5	3.9
BT50-SF05-160L	261.8	160	122	38	18	100	15	22	5	4.2

© Pull Pin Must Be Ordered Separately.



BT-SF

Shrink Fit Tool Holder



Model	Dimension (mm)										W.KG
	L	L1	L2	L4	L5	L6	D1	D2	D3	d	
BT50-SF06-100L	201.8	100	62	23	37	-	21	27	-	6	3.7
BT50-SF06-120L	221.8	120	82	23	37	-	21	27	-	6	3.9
BT50-SF06-160L *	261.8	160	122	23	37	78	21	27	41	6	4.2
BT50-SF06-200L *	301.8	200	162	23	37	118	21	27	41	6	5.8
BT50-SF08-100L	201.8	100	62	27	37	-	21	27	-	8	3.8
BT50-SF08-120L	221.8	120	82	27	37	-	21	27	-	8	3.9
BT50-SF08-160L *	261.8	160	122	27	37	78	21	27	41	8	4.2
BT50-SF08-200L *	301.8	200	162	27	37	118	21	27	41	8	5.8
BT50-SF10-100L	201.8	100	62	32	42	-	24	32	-	10	3.9
BT50-SF10-120L	221.8	120	82	32	42	-	24	32	-	10	4.1
BT50-SF10-160L *	261.8	160	122	32	42	78	24	32	40	10	4.3
BT50-SF10-200L *	301.8	200	162	32	42	118	24	32	40	10	5.9
BT50-SF12-100L	201.8	100	62	37	48	-	24	32	-	12	3.9
BT50-SF12-120L	221.8	120	82	37	48	-	24	32	-	12	4.1
BT50-SF12-160L *	261.8	160	122	37	48	78	24	32	40	12	4.3
BT50-SF12-200L *	301.8	200	162	37	48	118	24	32	40	12	5.9
BT50-SF14-100L	201.8	100	62	37	48	-	27	34	-	14	3.9
BT50-SF14-120L	221.8	120	82	37	48	-	27	34	-	14	4.1
BT50-SF14-160L *	261.8	160	122	37	48	78	27	34	42	14	4.3
BT50-SF14-200L *	301.8	200	162	37	48	118	27	34	42	14	5.9

©The tools marked with * are the reinforced tool holders shown in Fig. 3.

© Pull Pin Must Be Ordered Separately.

I/F d	Adjusting Screw T	I/F d	Adjusting Screw T
6	M5*0.8P	10	M8*1.0P
8	M6*1.0P	12/14	M10*1.0P

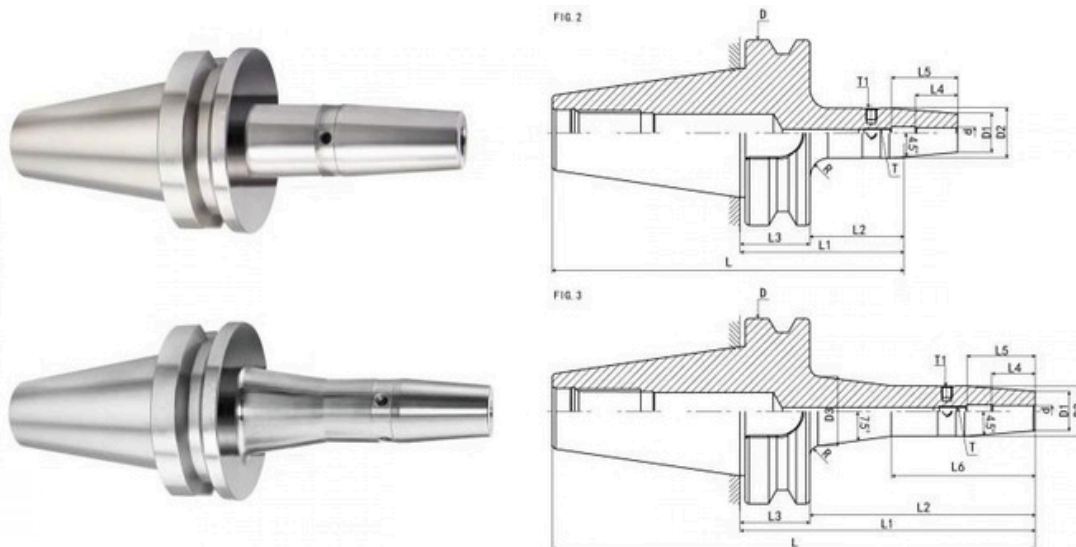


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BT-SF

Shrink Fit Tool Holder



Model	Dimension (mm)										W.KG
	L	L1	L2	L4	L5	L6	D1	D2	D3	d	
BT50-SF16-100	201.8	100	62	40	51	-	27	34	-	16	3.9
BT50-SF16-120	221.8	120	82	40	51	-	27	34	-	16	4.1
BT50-SF16-160 *	261.8	160	122	40	51	78	27	34	42	16	4.3
BT50-SF16-200 *	301.8	200	162	40	51	118	27	34	42	16	5.9
BT50-SF18-100	201.8	100	62	40	51	-	33	42	-	18	4.1
BT50-SF18-120	221.8	120	82	40	51	-	33	42	-	18	4.2
BT50-SF18-160 *	261.8	160	122	40	51	78	33	42	-	18	4.4
BT50-SF18-200 *	301.8	200	162	40	51	118	33	42	-	18	6.1
BT50-SF20-100	201.8	100	62	42	53	-	33	42	-	20	4.1
BT50-SF20-120	221.8	120	82	42	53	-	33	42	-	20	4.2
BT50-SF20-160 *	261.8	160	122	42	53	78	33	42	-	20	4.4
BT50-SF20-200 *	301.8	200	162	42	53	118	33	42	-	20	6.1
BT50-SF25-100	211.8	100	72	48	59	-	44	53	-	25	4.5
BT50-SF25-120	221.8	120	82	48	59	-	44	53	-	25	4.7
BT50-SF25-160 *	261.8	160	122	48	59	78	44	53	-	25	5.1
BT50-SF25-200 *	301.8	200	162	48	59	118	44	53	-	25	6.1
BT50-SF32-110	211.8	110	72	52	63	-	44	53	-	32	4.5
BT50-SF32-120	221.8	120	82	52	63	-	44	53	-	32	4.7
BT50-SF32-160 *	261.8	160	122	52	63	78	44	53	-	32	5.1
BT50-SF32-200 *	301.8	200	162	52	63	118	44	53	-	32	6.1

©The tools marked with * are the reinforced tool holders shown in Fig. 3.

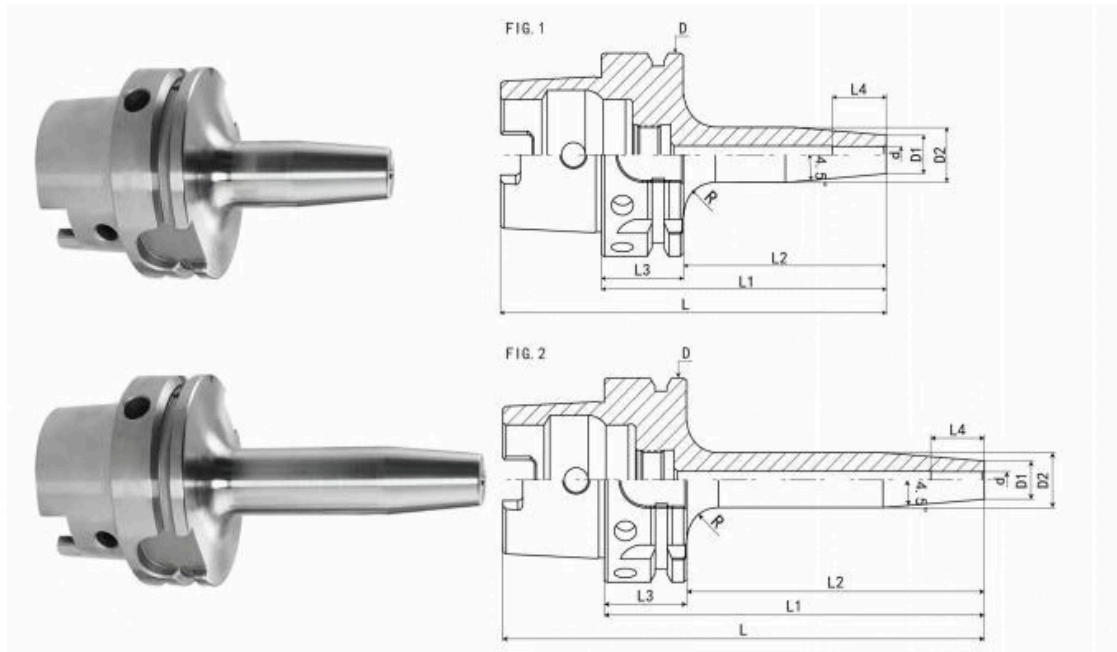
© Pull Pin Must Be Ordered Separately.

I/F d	Adjusting Screw T	I/F d	Adjusting Screw T
16	M5*0.8P	20	M8*1.0P
18	M6*1.0P	25/32	M10*1.0P



HSK-SF

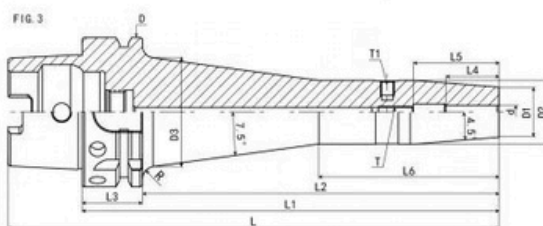
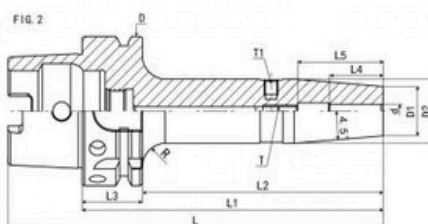
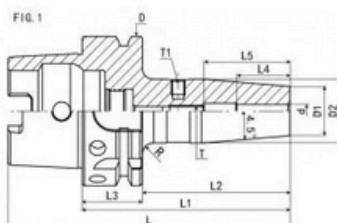
Shrink Fit Tool Holder



Model	Dimension (mm)										FIG	W.KG
	L	L1	L2	L3	L4	D	D1	D2	D3	d		
HSK63A-SF03-80	112	80	54	26	12	63	12	17	-	3	1	0.7
HSK63A-SF03-120	152	120	94	26	12	63	12	20	-	3	2	1.1
HSK63A-SF03-160	192	160	134	26	12	63	12	20	-	3	2	1.3
HSK63A-SF04-80	112	80	54	26	16	63	12	17	-	4	1	0.7
HSK63A-SF04-120	152	120	94	26	16	63	15	22	-	4	2	1.1
HSK63A-SF04-160	192	160	134	26	16	63	15	22	-	4	2	1.3
HSK63A-SF05-80	112	80	54	26	18	63	12	17	-	5	1	0.7
HSK63A-SF05-120	152	120	94	26	18	63	15	22	-	5	2	1.1
HSK63A-SF05-160	192	160	134	26	18	63	15	22	-	5	2	1.3

HSK-SF

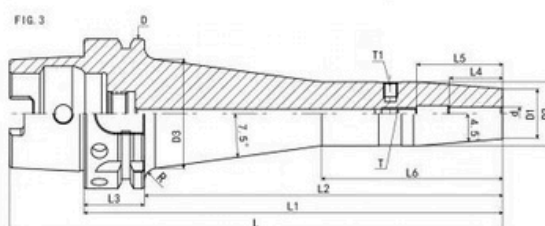
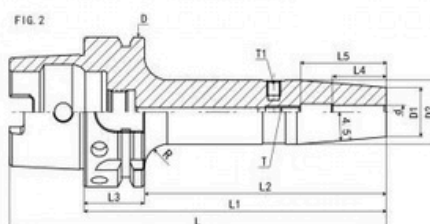
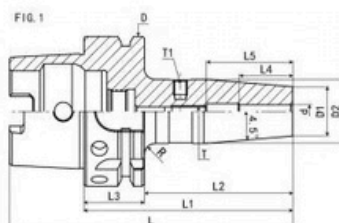
Shrink Fit Tool Holder



Model	Dimension (mm)										FIG	W.KG
	L	L1	L2	L4	L5	L6	D1	D2	D3	d		
HSK63A-SF06-80	112	80	54	23	37	-	21	27	-	6	1	0.8
HSK63A-SF06-120	152	120	94	23	37	-	21	27	-	6	2	1.1
HSK63A-SF06-160	192	160	134	23	37	78	21	27	41	6	3	1.4
HSK63A-SF06-200	232	200	174	23	37	118	21	27	41	6	3	1.8
HSK63A-SF08-80	112	80	54	27	37	-	21	27	-	8	1	0.8
HSK63A-SF08-120	152	120	94	27	37	-	21	27	-	8	2	1.1
HSK63A-SF08-160	192	160	134	27	37	78	21	27	41	8	3	1.4
HSK63A-SF08-200	232	200	174	27	37	118	21	27	41	8	3	1.8
HSK63A-SF10-85	117	85	59	32	42	-	24	32	-	10	1	0.9
HSK63A-SF10-120	152	120	94	32	42	-	24	32	-	10	2	1.2
HSK63A-SF10-160	192	160	134	32	42	78	24	32	40	10	3	1.5
HSK63A-SF10-200	232	200	174	32	42	118	24	32	40	10	3	1.9
HSK63A-SF12-90	122	90	64	37	48	-	24	32	-	12	1	1.2
HSK63A-SF12-120	152	120	94	37	48	-	24	32	-	12	2	1.5
HSK63A-SF12-160	192	160	134	37	48	78	24	32	40	12	3	1.9
HSK63A-SF12-200	232	200	174	37	48	118	24	32	40	12	3	0.9
HSK63A-SF14-90	122	90	64	37	48	-	27	34	-	14	1	0.9
HSK63A-SF14-120	152	120	94	37	48	-	27	34	-	14	2	1.2
HSK63A-SF14-160	192	160	134	37	48	78	27	34	42	14	3	1.5
HSK63A-SF14-200	232	200	174	37	48	118	27	34	42	14	3	1.9

HSK-SF

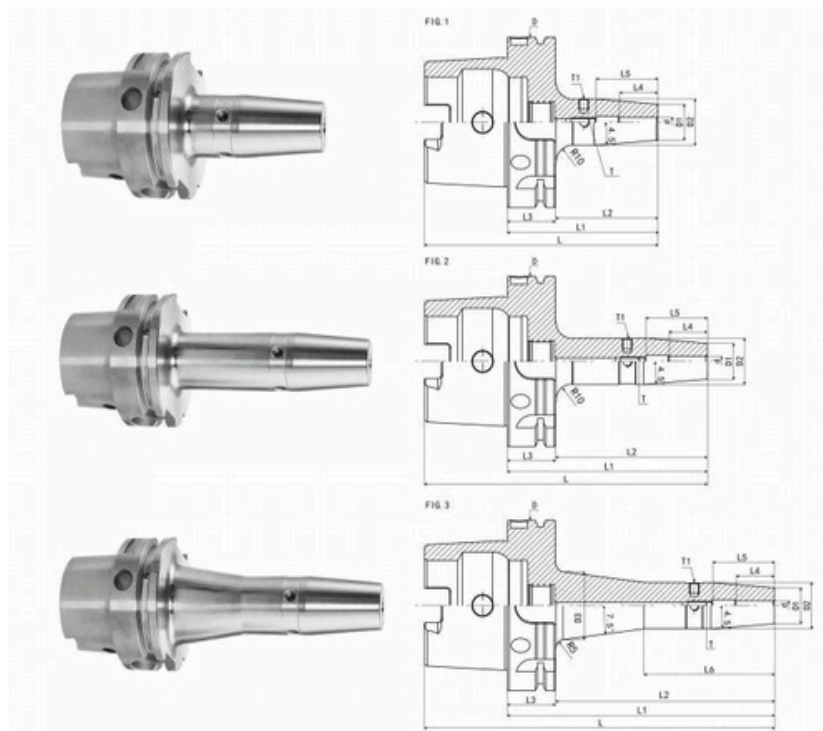
Shrink Fit Tool Holder



Model	Dimension (mm)										FIG	W.KG
	L	L1	L2	L4	L5	L6	D1	D2	D3	d		
HSK63A-SF16-95	127	95	69	40	51	-	27	34	-	16	1	0.9
HSK63A-SF16-120	152	120	94	40	51	-	27	34	-	16	2	1.2
HSK63A-SF16-160	192	160	134	40	51	78	27	34	42	16	3	1.5
HSK63A-SF16-200	232	200	174	40	51	118	27	34	42	16	3	1.9
HSK63A-SF18-95	127	95	69	40	51	-	33	42	-	18	1	1.1
HSK63A-SF18-120	152	120	94	40	51	-	33	42	-	18	2	1.3
HSK63A-SF18-160	192	160	134	40	51	-	33	42	-	18	2	1.6
HSK63A-SF18-200	232	200	174	40	51	-	33	42	-	18	2	2.1
HSK63A-SF20-100	132	100	74	42	53	-	33	42	-	20	1	1.1
HSK63A-SF20-120	152	120	94	42	53	-	33	42	-	20	2	1.3
HSK63A-SF20-160	192	160	134	42	53	-	33	42	-	20	2	1.6
HSK63A-SF20-200	232	200	174	42	53	-	33	42	-	20	2	2.1
HSK63A-SF25-115	147	115	89	48	59	-	44	53	-	25	1	1.9
HSK63A-SF25-130	162	130	104	48	59	-	44	53	-	25	2	2.1
HSK63A-SF25-160	192	160	134	48	59	-	44	53	-	25	2	2.2
HSK63A-SF25-200	232	200	174	48	59	-	44	53	-	25	2	2.6
HSK63A-SF32-120	152	120	94	52	63	-	44	53	-	32	1	1.9
HSK63A-SF32-130	162	130	104	52	63	-	44	53	-	32	2	2.2
HSK63A-SF32-160	192	160	134	52	63	-	44	53	-	32	2	2.3
HSK63A-SF32-200	232	200	174	52	63	-	44	53	-	32	2	2.7

HSK-SF

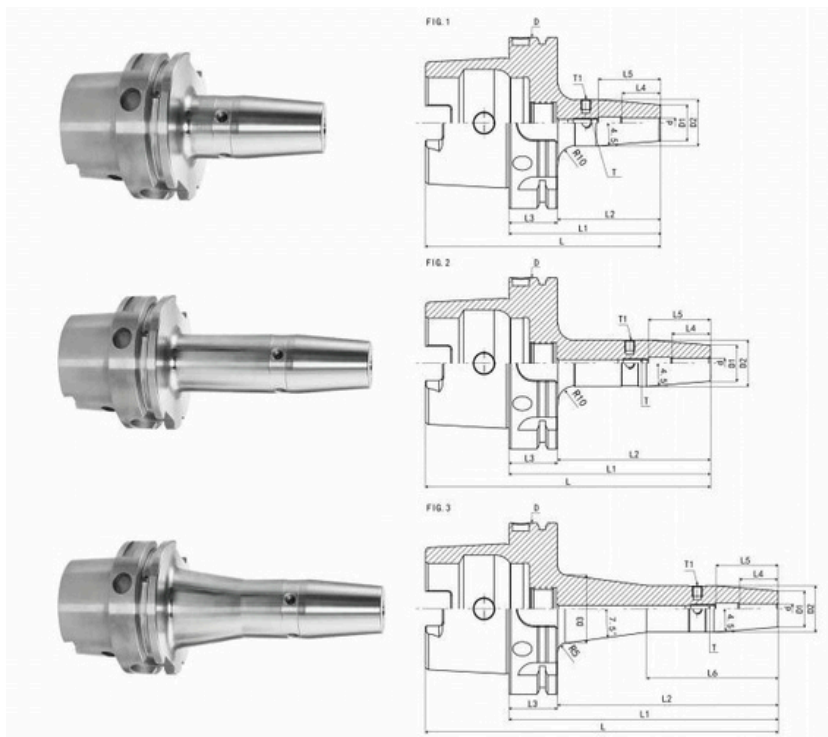
Shrink Fit Tool Holder



Model	Dimension (mm)										FIG	W.KG
	L	L1	L2	L4	L5	L6	D1	D2	D3	d		
HSK80A-SF06-85	125	85	59	23	37	-	21	27	-	6	1	1.4
HSK80A-SF06-120	160	120	94	23	37	-	21	27	-	6	2	1.5
HSK80A-SF06-160	200	160	134	23	37	78	21	27	41	6	3	2.1
HSK80A-SF06-200	240	200	174	23	37	118	21	27	41	6	3	2.2
HSK80A-SF08-85	125	85	59	27	37	-	21	27	-	8	1	1.4
HSK80A-SF08-120	160	120	95	27	37	-	21	27	-	8	2	1.5
HSK80A-SF08-160	200	160	134	27	37	78	21	27	41	8	3	2.1
HSK80A-SF08-200	240	200	174	27	37	118	21	27	41	8	3	2.2
HSK80A-SF10-90	130	90	64	32	42	-	24	32	-	10	1	1.5
HSK80A-SF10-120	160	120	94	32	42	-	24	32	-	10	2	1.6
HSK80A-SF10-160	200	160	134	32	42	78	24	32	40	10	3	2.1
HSK80A-SF10-200	240	200	174	32	42	118	24	32	40	10	3	2.3
HSK80A-SF12-95	135	95	69	37	48	-	24	32	-	12	1	1.5
HSK80A-SF12-120	160	120	94	37	48	-	24	32	-	12	2	1.6
HSK80A-SF12-160	200	160	134	37	48	78	24	32	40	12	3	2.1
HSK80A-SF12-200	240	200	174	37	48	118	24	32	40	12	3	2.3
HSK80A-SF14-95	135	95	69	37	48	-	27	34	-	14	1	1.5
HSK80A-SF14-120	160	120	94	37	48	-	27	34	-	14	2	1.7
HSK80A-SF14-160	200	160	134	37	48	78	27	34	42	14	3	2.1
HSK80A-SF14-200	240	200	174	37	48	118	27	34	42	14	3	2.2

HSK-SF

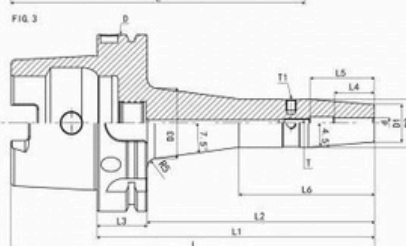
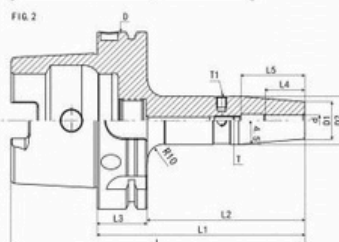
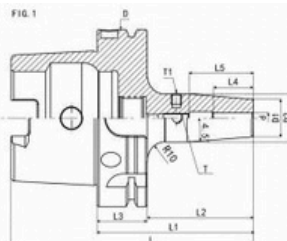
Shrink Fit Tool Holder



Model	Dimension (mm)										FIG	W.KG
	L	L1	L2	L4	L5	L6	D1	D2	D3	d		
HSK80A-SF16-100	140	100	74	40	51	-	27	34	-	16	1	1.5
HSK80A-SF16-120	160	120	94	40	51	-	27	34	-	16	2	1.8
HSK80A-SF16-160	200	160	134	40	51	78	27	34	42	16	3	2.1
HSK80A-SF16-200	240	200	174	40	51	118	27	34	42	16	3	2.2
HSK80A-SF18-100	140	100	74	40	51	-	33	42	-	18	1	1.6
HSK80A-SF18-120	160	120	94	40	51	-	33	42	-	18	2	1.9
HSK80A-SF18-160	200	160	134	40	51	-	33	42	-	18	3	2.2
HSK80A-SF18-200	240	200	174	40	51	-	33	42	-	18	3	2.6
HSK80A-SF20-105	145	105	79	42	53	-	33	42	-	20	1	1.6
HSK80A-SF20-120	160	120	94	42	53	-	33	42	-	20	2	2.1
HSK80A-SF20-160	200	160	134	42	53	-	33	42	-	20	3	2.3
HSK80A-SF20-200	240	200	174	42	53	-	33	42	-	20	3	2.7
HSK80A-SF25-115	155	115	89	48	59	-	44	53	-	25	1	2.5
HSK80A-SF25-160	200	160	134	48	59	-	44	53	-	25	3	2.8
HSK80A-SF25-200	240	200	174	48	59	-	44	53	-	25	3	3.6
HSK80A-SF32-120	160	120	94	52	63	-	44	53	-	32	1	2.5
HSK80A-SF32-160	200	160	134	52	63	-	44	53	-	32	3	3.2
HSK80A-SF32-200	240	200	174	52	63	-	44	53	-	32	3	3.5

HSK-SF

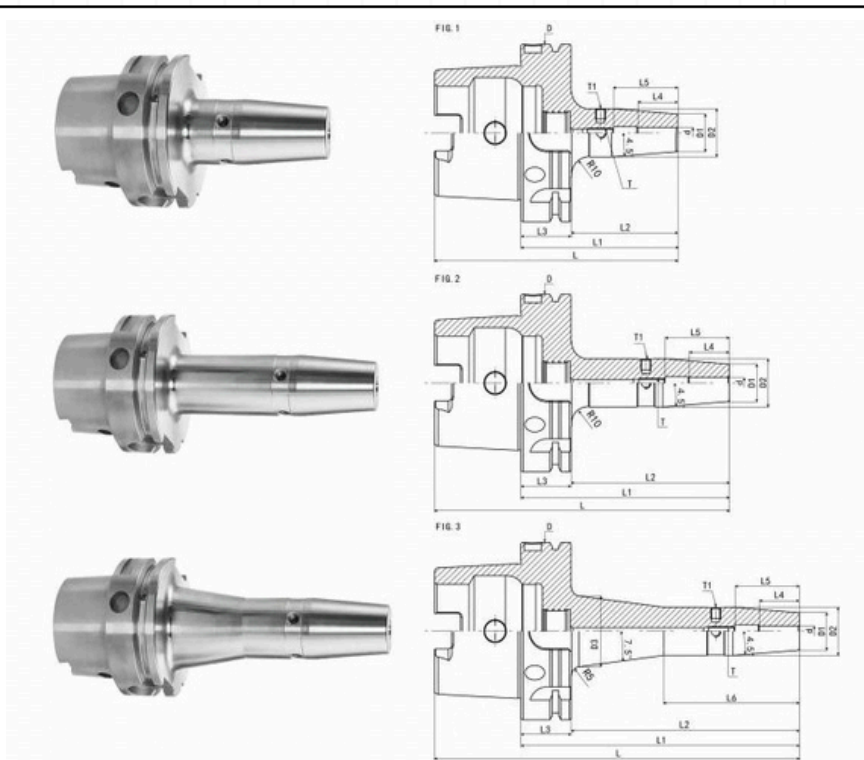
Shrink Fit Tool Holder



Model	Dimension (mm)										FIG	W.KG
	L	L1	L2	L4	L5	L6	D1	D2	D3	d		
HSK100A-SF06-85	135	85	56	23	37	-	21	27	-	6	1	2.2
HSK100A-SF06-120	170	120	91	23	37	-	21	27	-	6	2	2.5
HSK100A-SF06-160	210	160	131	23	37	78	21	27	41	6	3	2.8
HSK100A-SF06-200	250	200	171	23	37	118	21	27	41	6	3	3.2
HSK100A-SF08-85	135	85	56	27	37	-	21	27	-	8	1	2.2
HSK100A-SF08-120	170	120	91	27	37	-	21	27	-	8	2	2.5
HSK100A-SF08-160	210	160	131	27	37	78	21	27	41	8	3	2.8
HSK100A-SF08-200	250	200	171	27	37	118	21	27	41	8	3	3.2
HSK100A-SF10-90	140	90	61	32	42	-	24	32	-	10	1	2.3
HSK100A-SF10-120	170	120	91	32	42	-	24	32	-	10	2	2.6
HSK100A-SF10-160	210	160	131	32	42	78	24	32	40	10	3	2.9
HSK100A-SF10-200	250	200	171	32	42	118	24	32	40	10	3	3.3
HSK100A-SF12-95	145	95	66	37	48	-	24	32	-	12	1	2.3
HSK100A-SF12-120	170	120	91	37	48	-	24	32	-	12	2	2.6
HSK100A-SF12-160	210	160	131	37	48	78	24	32	40	12	3	2.9
HSK100A-SF12-200	250	200	171	37	48	118	24	32	40	12	3	3.3
HSK100A-SF14-95	145	95	66	37	48	-	27	34	-	14	1	2.3
HSK100A-SF14-120	170	120	91	37	48	-	27	34	-	14	2	2.6
HSK100A-SF14-160	210	160	131	37	48	78	27	34	42	14	3	2.9
HSK100A-SF14-200	250	200	171	37	48	118	27	34	42	14	3	3.3

HSK-SF

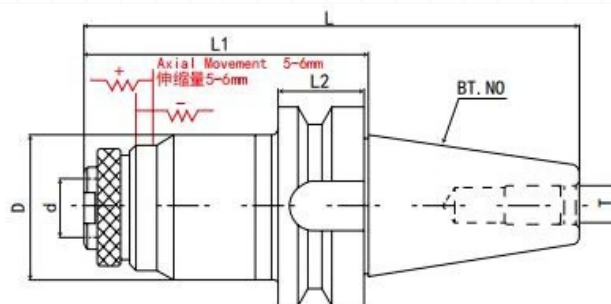
Shrink Fit Tool Holder



Model	Dimension (mm)										FIG	W.KG
	L	L1	L2	L4	L5	L6	D1	D2	D3	d		
HSK100A-SF16-100	150	100	71	40	51	-	27	34	-	16	1	2.3
HSK100A-SF16-120	170	120	91	40	51	-	27	34	-	16	2	2.6
HSK100A-SF16-160	210	160	131	40	51	78	27	34	42	16	3	2.9
HSK100A-SF16-200	250	200	171	40	51	118	27	34	42	16	3	3.3
HSK100A-SF18-100	150	100	71	40	51	-	33	42	-	18	1	2.4
HSK100A-SF18-120	170	120	91	40	51	-	33	42	-	18	2	2.7
HSK100A-SF18-160	210	160	131	40	51	78	33	42	-	18	3	3.1
HSK100A-SF18-200	250	200	171	40	51	118	33	42	-	18	3	3.4
HSK100A-SF20-105	155	105	76	42	53	-	33	42	-	20	1	2.4
HSK100A-SF20-120	170	120	91	42	53	-	33	42	-	20	2	2.7
HSK100A-SF20-160	210	160	131	42	53	78	33	42	-	20	3	2.1
HSK100A-SF20-200	250	200	171	42	53	118	33	42	-	20	3	3.4
HSK100A-SF25-115	165	115	86	48	59	-	44	53	-	25	1	3.2
HSK100A-SF25-130	180	130	101	48	59	-	44	53	-	25	2	3.4
HSK100A-SF25-160	210	160	131	48	59	78	44	53	-	25	3	3.6
HSK100A-SF25-200	250	200	171	48	59	118	44	53	-	25	3	4.4
HSK100A-SF32-120	170	120	91	52	63	-	44	53	-	32	1	3.2
HSK100A-SF32-140	190	140	111	52	63	-	44	53	-	32	2	3.4
HSK100A-SF32-160	210	160	131	52	63	78	44	53	-	32	3	3.6
HSK100A-SF32-200	250	200	171	52	63	118	44	53	-	32	3	4.1

BT-GT

Torque Tapping Body



Model	Tapping Range	Dimension (mm)					Shank Type	Chuck Name
		D	d	L	L1	T		
BT30-GT12-120L	M3-M16	46	19	168	120	M12	BT30	GT12
BT40-GT12-110L				175	110	M16	BT40	
BT50-GT12-120L				222	120	M24	BT50	
BT30-GT24-120L	M5-M30	66	30	168	120	M12	BT30	GT24
BT40-GT24-130L				195	130	M16	BT40	
BT50-GT24-130L				232	130	M24	BT50	
BT50-GT42-190L	M24-M42	95	45	292	190	M24	BT50	GT42

◎Body Specifications: J ISMAS403BT

◎Equipped with torque overload protection to prevent tap breakage.

◎Features floating, telescoping, and quick-change functions.

◎ Tapping collet and pull pin need to be ordered separately.

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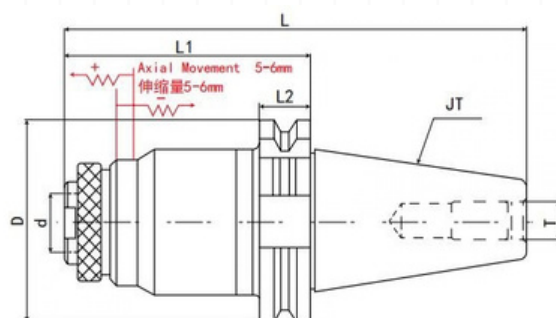
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SK-GT

Torque Tapping Body



Model	Tapping Range	Dimension (mm)					Shank Type	Chuck Name
		D	d	L	L1	T		
SK30-GT12-120L	M3-M16	46	19	168	120	M12	SK30	GT12
SK40-GT12-110L				175	110	M16	SK40	
SK50-GT12-120L				222	120	M24	SK50	
SK30-GT24-120L	M5-M30	66	30	168	120	M12	SK30	GT24
SK40-GT24-130L				195	130	M16	SK40	
SK50-GT24-130L				232	130	M24	SK50	
SK50-GT42-190L	M24-M42	95	45	292	190	M24	SK50	GT42

◎Body Specifications: DIN69 871-AGB10944

◎Equipped with torque overload protection to prevent tap breakage.

◎Features floating, telescoping, and quick-change functions.

◎ Tapping collet and pull pin need to be ordered separately.



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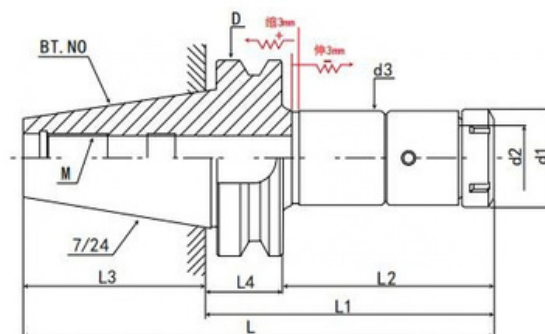


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BT-TER-B

Rigid Tapping Tool Holder



Model	Shank Type	Dimension (mm)					Collet	Tapping Range	Shank Thread M
		L	L1	L2	d1	d2			
BT30-TER16-B-100L	BT30	148.4	100	73	28	16	TER16	M2-M12	M12*1.75P
BT30-TER20-B-100L					34	20	TER20	M2-M16	
BT30-TER25-B-100L					42	25	TER25	M2-M22	
BT30-TER32-B-100L					50	32	TER32	M2-M30	
BT30-TER40-B-100L					63	40	TER40	M2-M36	
BT40-TER16-B-100L	BT40	165.4	100	73	28	16	TER16	M2-M12	M16*2.0P
BT40-TER20-B-100L					34	20	TER20	M2-M16	
BT40-TER25-B-100L					42	25	TER25	M2-M22	
BT40-TER32-B-100L					50	32	TER32	M2-M30	
BT40-TER40-B-120L		185.4	120	93	63	40	TER40	M2-M36	
BT50-TER16-B-110L	BT50	211.8	110	72	28	16	TER16	M2-M12	M24*3.0P
BT50-TER20-B-110L					34	20	TER20	M2-M16	
BT50-TER25-B-110L					42	25	TER25	M2-M22	
BT50-TER32-B-130L		222.8	130	92	50	32	TER32	M2-M30	
BT50-TER40-B-140L		232.8	140	102	63	40	TER40	M2-M36	

◎Body Specifications: J ISMAS403BT

◎Rigid Function: Ensures precise synchronization between the spindle rotation and feed of the machining center when using a dedicated basic tool holder.

◎Rigid Tapping Tool Holder: Can be replaced with ER collets for holding drill bits, reamers, and milling tools.

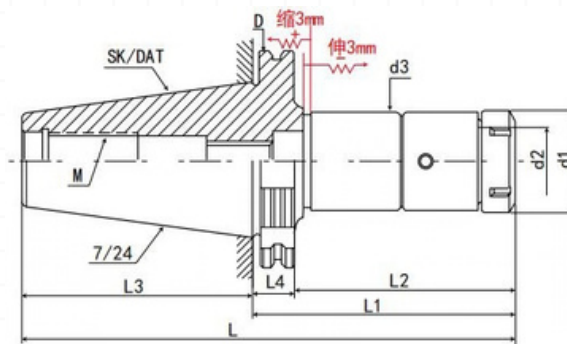
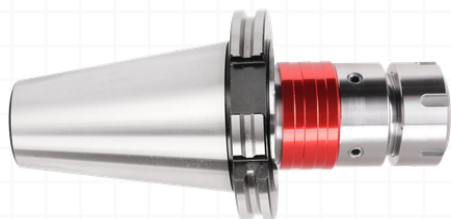
◎Usage Note: When using a rigid tapping body, do not over-tighten the nut to avoid damage. ER wrenches are sold separately.

◎Collet, Pull Pin, and Wrench Must Be Ordered Separately.



SK-TER-B

Rigid Tapping Tool Holder



Model	Shank Type	Dimension (mm)					Collet	Tapping Range	Shank Thread M
		L	L1	L2	d1	d2			
SK40-TER16-B-100L	SK40	168.4	100	82	28	16	TER16	M2-M12	M16*2.0P
SK40-TER20-B-100L					34	20	TER20	M2-M16	
SK40-TER25-B-100L					42	25	TER25	M2-M22	
SK40-TER32-B-100L					50	32	TER32	M2-M30	
SK40-TER40-B-120L		188.4	120	102	63	40	TER40	M2-M36	
SK50-TER16-B-110L	SK50	211.7	110	91	28	16	TER16	M2-M12	M24*3.0P
SK50-TER20-B-110L					34	20	TER20	M2-M16	
SK50-TER25-B-110L					42	25	TER25	M2-M22	
SK50-TER32-B-130L		231.7	130	101	50	32	TER32	M2-M30	
SK50-TER40-B-140L		241.7	140	111	63	40	TER40	M2-M36	

◎Body Specifications: DIN6 9871-A or GB 10944

◎Rigid Function: Ensures precise synchronization between the spindle rotation and feed of the machining center when using a dedicated basic tool holder.

◎Rigid Tapping Tool Holder: Can be replaced with ER collets for holding drill bits, reamers, and milling tools.

◎Usage Note: When using a rigid tapping body, do not over-tighten the nut to avoid damage. ER wrenches are sold separately.

◎Collet, Pull Pin Must Be Ordered Separately.



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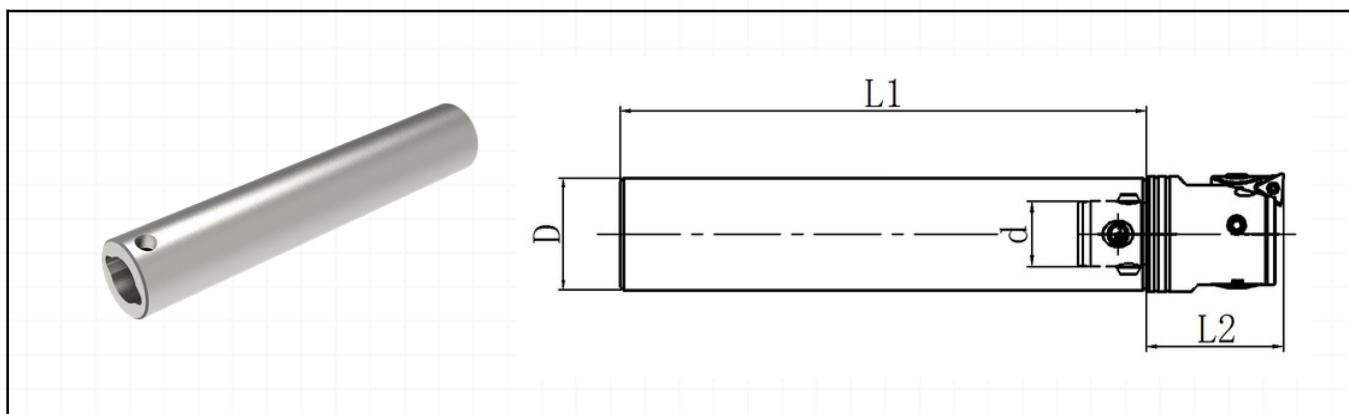


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SCB

Ultra-Hard Solid Carbide Boring Bar



Model	SD Type	I/F Type	Dimension (mm)				Kg
			D	d	L1	L2	
SCB-C19-CKB1-150	SCB	CK1	19	11	150	32.5	0.50
SCB-C19-CKB1-200	SCB	CK1	19	11	200	32.5	0.70
SCB-C19-CKB1-250	SCB	CK1	19	11	250	32.5	0.90
SCB-C24-CKB2-200	SCB	CK2	24	14	200	35.5	1.00
SCB-C24-CKB2-250	SCB	CK2	24	14	250	35.5	1.20
SCB-C24-CKB2-300	SCB	CK2	24	14	300	35.5	1.50
SCB-C32-CKB3-250	SCB	CK3	32	18	250	40	1.80
SCB-C32-CKB3-300	SCB	CK3	32	18	300	40	2.20
SCB-C32-CKB3-350	SCB	CK3	32	18	350	40	3.00

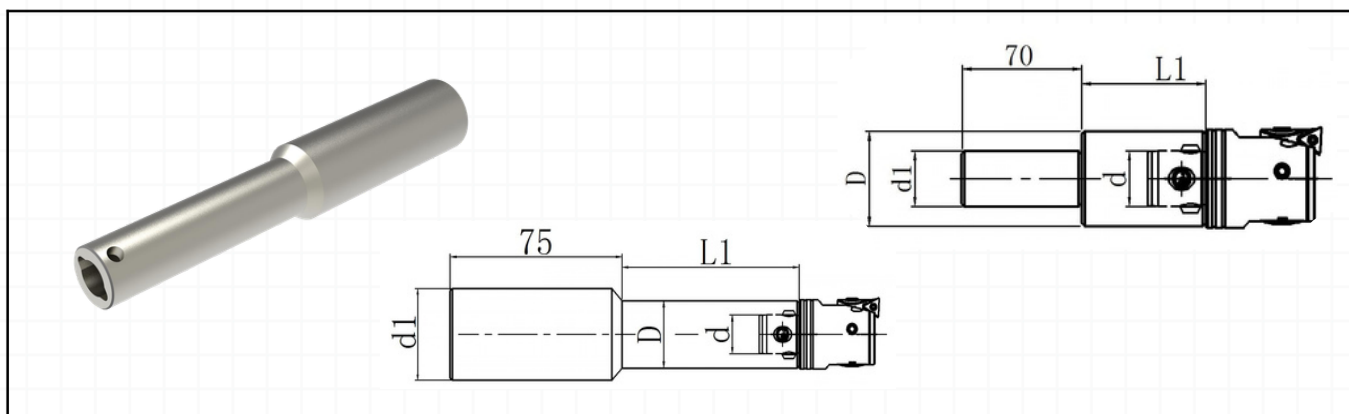
◎Ultra-hard carbide tungsten steel boring bars with high toughness, durability, high hardness, high rigidity, and excellent shock resistance, suitable for deep hole machining (8D).

◎Various specifications come with coolant holes, providing good chip removal and cooling effects during deep hole machining.

◎Straight shank design allows for adjustable machining depth according to processing needs.

SSB

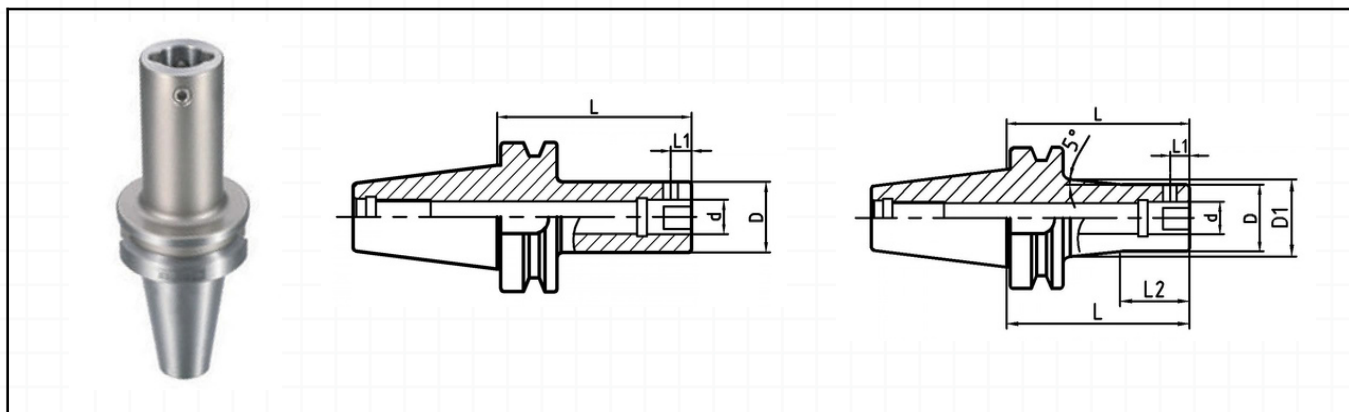
Steel CK Interface Boring Bar



Model	SD Type	I/F Type	Dimension (mm)				Kg
			D	d	d1	L	
SSB-C32-CKB1-75	SSB	CK1	19	11	32	75	0.52
SSB-C32-CKB2-70	SSB	CK2	24	14	32	70	0.59
SSB-C32-CKB2-120	SSB	CK2	24	14	32	120	0.85
SSB-C32-CKB3-70	SSB	CK3	31	18	32	70	0.73
SSB-C32-CKB3-120	SSB	CK3	31	18	32	120	1.01
SSB-C32-CKB4-60	SSB	CK4	39	22	32	60	0.77
SSB-C32-CKB4-110	SSB	CK4	39	22	32	110	1.19
SSB-C32-CKB5-60	SSB	CK5	50	28	32	60	1.02
SSB-C32-CKB5-120	SSB	CK5	50	28	32	120	1.89
SSB-C32-CKB6-60	SSB	CK6	64	36	32	60	1.42
SSB-C32-CKB6-120	SSB	CK6	64	36	32	120	2.20

BT - CK

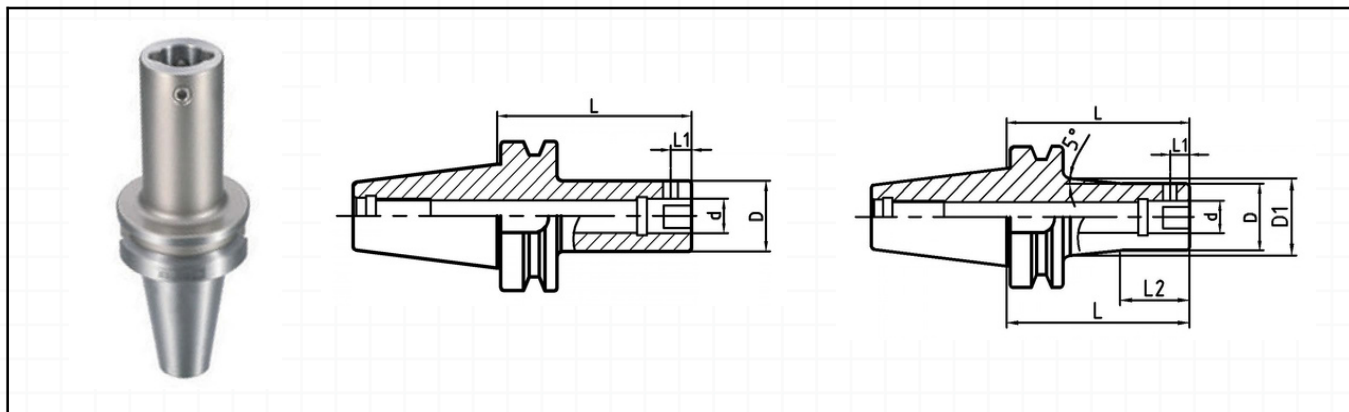
Boring Tool Holder Series



Model	I/F Type	Dimension (mm)				B Dimension		CK Side Lock Screw	Wrench	Kg
		D	d	L1	L	d1	L2			
BT40-CK1-70	CK1	19	11	5.05	70	—	—	M050Z050-30P-D	L025	1.03
BT40-CK1-100	CK1	19	11	5.05	100	20.7	60	M050Z050-30P-D	L025	1.10
BT40-CK2-75	CK2	24	14	6.62	75	—	—	M050Z060-30P-D	L025	1.10
BT40-CK2-100	CK2	24	14	6.62	100	—	—	M050Z060-30P-D	L025	1.18
BT40-CK2-130	CK2	24	14	6.62	130	30	65	M050Z060-30P-D	L025	1.33
BT40-CK3-80	CK3	31	18	8	80	—	—	M060Z090-30P-D	L03	1.22
BT40-CK3-100	CK3	31	18	8	100	—	—	M060Z090-30P-D	L03	1.32
BT40-CK3-135	CK3	31	18	8	135	34.5	75	M060Z090-30P-D	L03	1.54
BT40-CK3-165	CK3	31	18	8	165	39.7	85	M060Z090-30P-D	L03	1.76
BT40-CK4-70	CK4	39	22	10	70	—	—	M080Z120-30P-D	L04	1.21
BT40-CK4-100	CK4	39	22	10	100	—	—	M080Z120-30P-D	L04	1.46
BT40-CK4-150	CK4	39	22	10	150	43.4	85	M080Z120-30P-D	L04	1.90
BT40-CK4-170	CK4	39	22	10	170	46.9	95	M080Z120-30P-D	L04	2.16
BT40-CK5-60	CK5	50	28	13	60	—	—	M100Z160-30P-D	L05	1.22
BT40-CK5-80	CK5	50	28	13	80	—	—	M100Z160-30P-D	L05	1.52
BT40-CK5-100	CK5	50	28	13	100	—	—	M100Z160-30P-D	L05	1.80
BT40-CK5-150	CK5	50	28	13	150	—	—	M100Z160-30P-D	L05	2.52
BT40-CK5-180	CK5	50	28	13	180	—	—	M100Z160-30P-D	L05	2.90
BT40-CK6-55	CK6	64	36	16	55	—	—	M120Z200-30P-D	L06	1.22
BT40-CK6-100	CK6	64	36	16	100	—	—	M120Z200-30P-D	L06	2.29
BT40-CK6-150	CK6	64	36	16	150	—	—	M120Z200-30P-D	L06	3.50
BT40-CK6-180	CK6	64	36	16	180	—	—	M120Z200-30P-D	L06	4.22
BT40-CK7-100	CK7	90	46	19.15	100	—	—	M200Z290-30P-D	L10	3.50
BT40-CK7-150	CK7	90	46	19.15	150	—	—	M200Z290-30P-D	L10	5.50

BT - CK

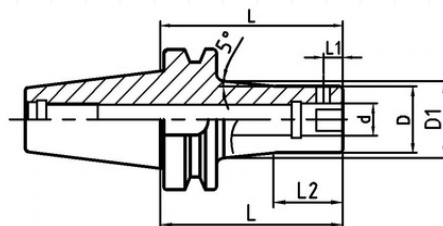
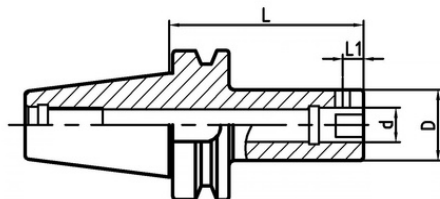
Boring Tool Holder Series



Model	I/F Type	Dimension (mm)				B Dimension		CK Side Lock Screw	Wrench	Kg
		D	d	L1	L	d1	L2			
BT50-CK1-80	CK1	19	11	5.05	80	—	—	M050Z050-30P-D	L025	3.20
BT50-CK1-115	CK1	19	11	5.05	115	20.7	50	M050Z050-30P-D	L025	3.73
BT50-CK2-80	CK2	24	14	6.62	80	—	—	M050Z060-30P-D	L025	3.68
BT50-CK2-105	CK2	24	14	6.62	105	—	—	M050Z060-30P-D	L025	3.78
BT50-CK2-135	CK2	24	14	6.62	135	26.6	65	M050Z060-30P-D	L025	3.89
BT50-CK3-85	CK3	31	18	8	85	—	—	M060Z090-30P-D	L03	3.80
BT50-CK3-110	CK3	31	18	8	110	—	—	M060Z090-30P-D	L03	3.95
BT50-CK3-140	CK3	31	18	8	140	32.7	75	M060Z090-30P-D	L03	4.09
BT50-CK3-170	CK3	31	18	8	170	38	85	M060Z090-30P-D	L03	4.31
BT50-CK4-100	CK4	39	22	10	100	—	—	M080Z120-30P-D	L04	3.98
BT50-CK4-160	CK4	39	22	10	160	42.5	85	M080Z120-30P-D	L04	4.50
BT50-CK4-205	CK4	39	22	10	205	50	95	M080Z120-30P-D	L04	5.13
BT50-CK5-90	CK5	50	28	13	90	—	—	M100Z160-30P-D	L05	4.30
BT50-CK5-165	CK5	50	28	13	165	—	—	M100Z160-30P-D	L05	5.20
BT50-CK5-210	CK5	50	28	13	210	57.8	120	M100Z160-30P-D	L05	5.92
BT50-CK5-270	CK5	50	28	13	270	68.4	120	M100Z160-30P-D	L05	7.23
BT50-CK6-85	CK6	64	36	16	85	—	—	M120Z200-30P-D	L06	4.28
BT50-CK6-155	CK6	64	36	16	155	—	—	M120Z200-30P-D	L06	5.97
BT50-CK6-215	CK6	64	36	16	215	—	—	M120Z200-30P-D	L06	7.43
BT50-CK6-250	CK6	64	36	16	250	—	—	M120Z200-30P-D	L06	8.27
BT50-CK6-300	CK6	64	36	16	300	80.5	160	M120Z200-30P-D	L06	10.21
BT50-CK6-350	CK6	64	36	16	350	90	160	M120Z200-30P-D	L06	12.90
BT50-CK7-85	CK7	90	36	19.15	85	—	—	M200Z290-30P-D	L10	4.96
BT50-CK7-150	CK7	90	36	19.15	150	—	—	M200Z290-30P-D	L10	6.52
BT50-CK7-210	CK7	90	36	19.15	210	—	—	M200Z290-30P-D	L10	8.55
BT50-CK7-250	CK7	90	36	19.15	250	—	—	M200Z290-30P-D	L10	10.35
BT50-CK7-300	CK7	90	36	19.15	300	—	—	M200Z290-30P-D	L10	12.55
BT50-CK7-350	CK7	90	36	19.15	350	—	—	M200Z290-30P-D	L10	13.25

SK-CK

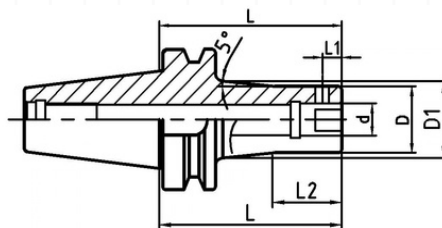
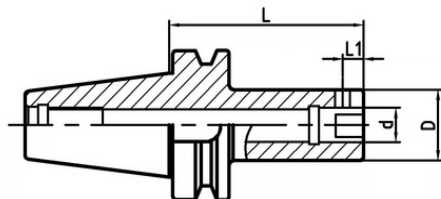
Boring Tool Holder Series



Model	I/F Type	Dimension (mm)				B Dimension		CK Side Lock Screw	Wrench	Kg
		D	d	L1	L	d1	L2			
SK40-CK1-70	CK1	19	11	5.05	70	—	—	M050Z050-30P-D	L025	1.03
SK40-CK1-100L	CK1	19	11	5.05	100	20.7	60	M050Z050-30P-D	L025	1.10
SK40-CK2-75	CK2	24	14	6.62	75	—	—	M050Z060-30P-D	L025	1.10
SK40-CK2-100	CK2	24	14	6.62	100	—	—	M050Z060-30P-D	L025	1.18
SK40-CK2-130L	CK2	24	14	6.62	130	28.3	75	M050Z060-30P-D	L025	1.33
SK40-CK3-80	CK3	31	18	8	80	—	—	M060Z090-30P-D	L03	1.22
SK40-CK3-100	CK3	31	18	8	100	—	—	M060Z090-30P-D	L03	1.32
SK40-CK3-135L	CK3	31	18	8	135	34.5	85	M060Z090-30P-D	L03	1.54
SK40-CK3-165L	CK3	31	18	8	165	39.7	85	M060Z090-30P-D	L03	1.76
SK40-CK4-70	CK4	39	22	10	70	—	—	M080Z120-30P-D	L04	1.21
SK40-CK4-100	CK4	39	22	10	100	—	—	M080Z120-30P-D	L04	1.46
SK40-CK4-150L	CK4	39	22	10	150	43.4	95	M080Z120-30P-D	L04	1.90
SK40-CK4-170L	CK4	39	22	10	170	46.9	95	M080Z120-30P-D	L04	2.16
SK40-CK5-80	CK5	50	28	13	80	—	—	M100Z160-30P-D	L05	1.52
SK40-CK5-100	CK5	50	28	13	100	—	—	M100Z160-30P-D	L05	1.80
SK40-CK5-150	CK5	50	28	13	150	—	—	M100Z160-30P-D	L05	2.52
SK40-CK5-180	CK5	50	28	13	180	—	—	M100Z160-30P-D	L05	2.90
SK40-CK6-90	CK6	64	36	16	90	—	—	M120Z200-30P-D	L06	1.22
SK40-CK6-150	CK6	64	36	16	150	—	—	M120Z200-30P-D	L06	3.50
SK40-CK6-180	CK6	64	36	16	180	—	—	M120Z200-30P-D	L06	4.22
SK40-CK7-100	CK7	90	46	19.15	100	—	—	M200Z290-30P-D	L10	3.50
SK40-CK7-150	CK7	90	46	19.15	150	—	—	M200Z290-30P-D	L10	5.50

SK-CK

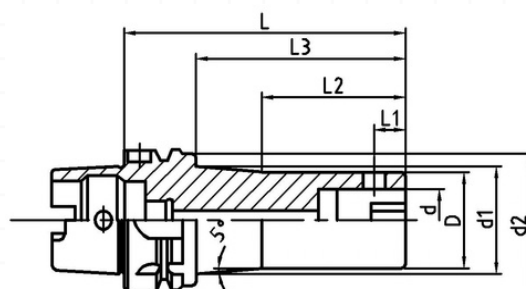
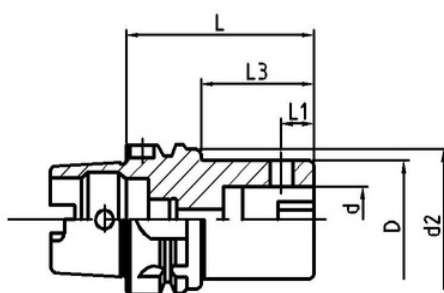
Boring Tool Holder Series



Model	I/F Type	Dimension (mm)				B Dimension		CK Side Lock Screw	Wrench	Kg
		D	d	L1	L	d1	L2			
SK50-CK1-80	CK1	19	11	5.05	80	—	—	M050Z050-30P-D	L025	3.60
SK50-CK1-115L	CK1	19	11	5.05	115	20.7	60	M050Z050-30P-D	L025	3.73
SK50-CK2-80	CK2	24	14	6.62	80	—	—	M050Z060-30P-D	L025	3.60
SK50-CK2-105	CK2	24	14	6.62	105	—	—	M050Z060-30P-D	L025	3.78
SK50-CK2-135L	CK2	24	14	6.62	135	26.6	75	M050Z060-30P-D	L025	3.89
SK50-CK3-85	CK3	31	18	8	85	—	—	M060Z090-30P-D	L03	3.80
SK50-CK3-110	CK3	31	18	8	110	—	—	M060Z090-30P-D	L03	3.95
SK50-CK3-140L	CK3	31	18	8	140	32.7	85	M060Z090-30P-D	L03	4.09
SK50-CK3-170L	CK3	31	18	8	170	38	85	M060Z090-30P-D	L03	4.31
SK50-CK4-100	CK4	39	22	10	100	—	—	M080Z120-30P-D	L04	3.98
SK50-CK4-160L	CK4	39	22	10	160	42.5	95	M080Z120-30P-D	L04	4.50
SK50-CK4-205L	CK4	39	22	10	205	50	95	M080Z120-30P-D	L04	5.13
SK50-CK5-90	CK5	50	28	13	90	—	—	M100Z160-30P-D	L05	4.30
SK50-CK5-165	CK5	50	28	13	165	—	—	M100Z160-30P-D	L05	5.20
SK50-CK5-210L	CK5	50	28	13	210	57.8	120	M100Z160-30P-D	L05	5.92
SK50-CK5-270L	CK5	50	28	13	270	68.4	120	M100Z160-30P-D	L05	7.23
SK50-CK6-85	CK6	64	36	16	85	—	—	M120Z200-30P-D	L06	4.28
SK50-CK6-155	CK6	64	36	16	155	—	—	M120Z200-30P-D	L06	5.97
SK50-CK6-215	CK6	64	36	16	215	—	—	M120Z200-30P-D	L06	7.43
SK50-CK6-250	CK6	64	36	16	250	—	—	M120Z200-30P-D	L06	8.27
SK50-CK6-300L	CK6	64	36	16	300	80.5	160	M120Z200-30P-D	L06	10.21
SK50-CK7-85	CK7	90	36	19.15	85	—	—	M200Z290-30P-D	L10	4.96
SK50-CK7-150	CK7	90	36	19.15	150	—	—	M200Z290-30P-D	L10	6.52
SK50-CK7-210	CK7	90	36	19.15	210	—	—	M200Z290-30P-D	L10	8.55
SK50-CK7-250	CK7	90	36	19.15	250	—	—	M200Z290-30P-D	L10	10.35
SK50-CK7-300	CK7	90	36	19.15	300	—	—	M200Z290-30P-D	L10	12.55
SK50-CK7-350	CK7	90	36	19.15	350	—	—	M200Z290-30P-D	L10	13.25

HSK A -CK

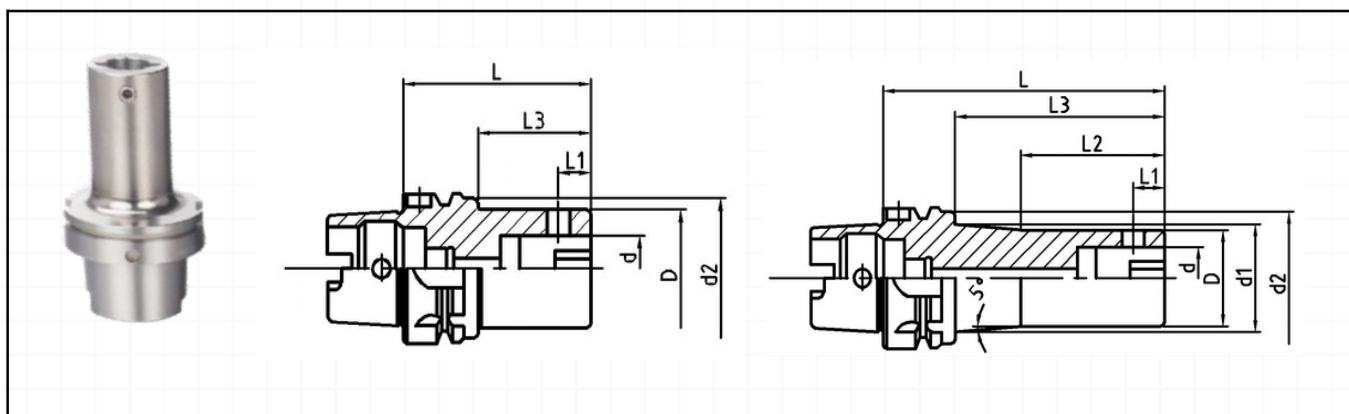
Boring Tool Holder Series



Model	I/F Type	Dimension (mm)				B Dimension		CK Side Lock Screw	Wrench	Kg
		D	d	L1	L	d1	L2			
HSKA63-CK1-70	CK1	19	11	5.05	70	—	—	M050Z050-30P-D	L025	0.80
HSKA63-CK1-100L	CK1	19	11	5.05	100	23.5	50	M050Z050-30P-D	L025	0.90
HSKA63-CK2-75	CK2	24	14	6.62	75	—	—	M050Z060-30P-D	L025	0.90
HSKA63-CK2-100	CK2	24	14	6.62	100	—	—	M050Z060-30P-D	L025	1.00
HSKA63-CK2-130L	CK2	24	14	6.62	130	31	65	M050Z060-30P-D	L025	1.10
HSKA63-CK3-80	CK3	31	18	8	80	—	—	M060Z090-30P-D	L03	1.00
HSKA63-CK3-100	CK3	31	18	8	100	—	—	M060Z090-30P-D	L03	1.10
HSKA63-CK3-135L	CK3	31	18	8	135	37	75	M060Z090-30P-D	L03	1.30
HSKA63-CK3-165L	CK3	31	18	8	165	41	85	M060Z090-30P-D	L03	1.40
HSKA63-CK4-70	CK4	39	22	10	70	—	—	M080Z120-30P-D	L04	1.00
HSKA63-CK4-100	CK4	39	22	10	100	—	—	M080Z120-30P-D	L04	1.30
HSKA63-CK4-150L	CK4	39	22	10	150	44	95	M080Z120-30P-D	L04	1.70
HSKA63-CK4-170L	CK4	39	22	10	170	47.5	95	M080Z120-30P-D	L04	1.90
HSKA63-CK5-80	CK5	50	28	13	80	—	—	M100Z160-30P-D	L05	1.40
HSKA63-CK5-100	CK5	50	28	13	100	—	—	M100Z160-30P-D	L05	1.80
HSKA63-CK5-150	CK5	50	28	13	150	—	—	M100Z160-30P-D	L05	2.20
HSKA63-CK5-180	CK5	50	28	13	180	—	—	M100Z160-30P-D	L05	2.70
HSKA63-CK6-100	CK6	64	36	16	100	—	—	M120Z200-30P-D	L06	2.20
HSKA63-CK6-150	CK6	64	36	16	150	—	—	M120Z200-30P-D	L06	2.80
HSKA63-CK6-180	CK6	64	36	16	180	—	—	M120Z200-30P-D	L06	3.30
HSKA63-CK7-110	CK7	90	46	19.15	110	—	—	M200Z290-30P-D	L10	3.50
HSKA63-CK7-150	CK7	90	46	19.15	150	—	—	M200Z290-30P-D	L10	5.20

HSK A -CK

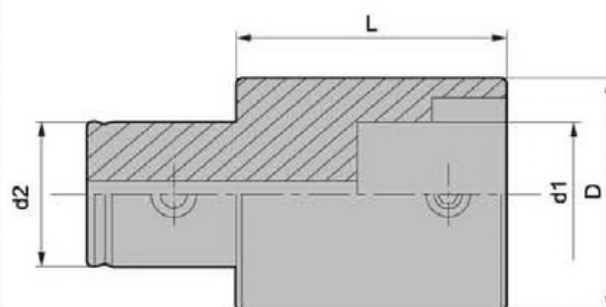
Boring Tool Holder Series



Model	I/F Type	Dimension (mm)				B Dimension		CK Side Lock Screw	Wrench	Kg
		D	d	L1	L	d1	L2			
HSKA100-CK1-80	CK1	19	11	5.05	80	—	—	M050Z050-30P-D	L025	2.40
HSKA100-CK1-115L	CK1	19	11	5.05	115	24	50	M050Z050-30P-D	L025	2.50
HSKA100-CK2-80	CK2	24	14	6.62	80	—	—	M050Z060-30P-D	L025	2.45
HSKA100-CK2- 105	CK2	24	14	6.62	105	—	—	M050Z060-30P-D	L025	2.50
HSKA100-CK2-135L	CK2	24	14	6.62	135	30	65	M050Z060-30P-D	L025	2.60
HSKA100-CK3-85	CK3	31	18	8	85	—	—	M060Z090-30P-D	L03	2.60
HSKA100-CK3- 110	CK3	31	18	8	110	—	—	M060Z090-30P-D	L03	2.70
HSKA100-CK3-140L	CK3	31	18	8	140	35.5	75	M060Z090-30P-D	L03	2.80
HSKA100-CK3-170L	CK3	31	18	8	170	41	85	M060Z090-30P-D	L03	2.90
HSKA100-CK4- 100	CK4	39	22	10	100	—	—	M080Z120-30P-D	L04	2.80
HSKA100-CK4-160L	CK4	39	22	10	160	47	85	M080Z120-30P-D	L04	3.50
HSKA100-CK4-205L	CK4	39	22	10	205	50.5	110	M080Z120-30P-D	L04	4.00
HSKA100-CK5-90	CK5	50	28	13	90	—	—	M100Z160-30P-D	L05	3.50
HSKA100-CK5-165	CK5	50	28	13	165	—	—	M100Z160-30P-D	L05	4.20
HSKA100-CK5-210L	CK5	50	28	13	210	61	120	M100Z160-30P-D	L05	4.80
HSKA100-CK5-270L	CK5	50	28	13	270	69.5	130	M100Z160-30P-D	L05	5.60
HSKA100-CK6-85	CK6	64	36	16	85	—	—	M120Z200-30P-D	L06	4.20
HSKA100-CK6-155	CK6	64	36	16	155	—	—	M120Z200-30P-D	L06	5.00
HSKA100-CK6-215	CK6	64	36	16	215	—	—	M120Z200-30P-D	L06	5.80
HSKA100-CK6-250	CK6	64	36	16	250	—	—	M120Z200-30P-D	L06	6.20
HSKA100-CK6-300L	CK6	64	36	16	300	80	180	M120Z200-30P-D	L06	7.10
HSKA100-CK7-125	CK7	90	36	19.15	125	—	—	M200Z290-30P-D	L10	5.22
HSKA100-CK7-200	CK7	90	36	19.15	200	—	—	M200Z290-30P-D	L10	6.88
HSKA100-CK7-275	CK7	90	36	19.15	275	—	—	M200Z290-30P-D	L10	8.26

CK

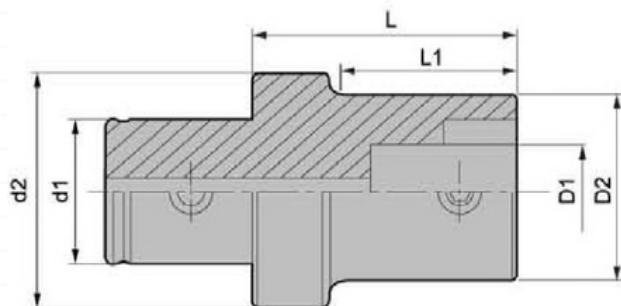
Equal Diameter Extension Holder



Model	I/F Type	Dimension (mm)				CK Side Lock Screw	Wrench	Kg
		D	d1	d2	L			
CK1-1-30	CK1	19	11	11	30	M050Z050-30P-D	L025	0.06
CK2-2-30	CK2	24	14	14	30	M050Z060-30P-D	L025	0.09
CK3-3-30	CK3	31	18	18	30	M060Z090-30P-D	L03	0.14
CK4-4-45	CK4	39	22	22	45	M080Z120-30P-D	L04	0.29
CK4-4-60	CK4	39	22	22	60	M080Z120-30P-D	L04	0.47
CK5-5-60	CK5	50	28	28	60	M100Z160-30P-D	L05	0.75
CK5-5-90	CK5	50	28	28	90	M100Z160-30P-D	L05	1.18
CK6-6-60	CK6	64	36	36	60	M120Z200-30P-D	L06	1.46
CK6-6-100	CK6	64	36	36	100	M120Z200-30P-D	L06	2.35
CK7-7-105	CK7	80	36	36	105	M200Z300-30P-D	L10	5.28

CK

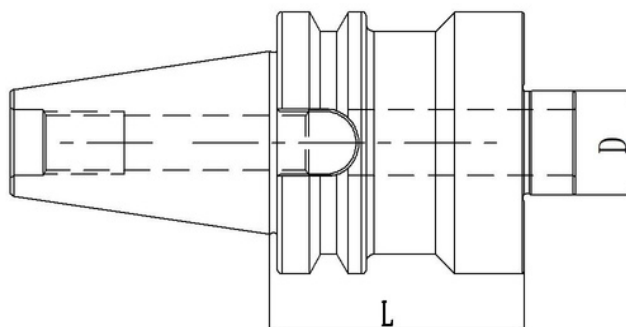
Equal Diameter Extension Holder



Model	Dimension (mm)						CK Side Lock Screw	Wrench	Kg
	D1	D2	d1	d2	L1	L			
CK2-1-36	11	19	14	24	30	36	M050Z050-30P-D	L025	0.08
CK3-1-41	11	19	18	31	30	41	M050Z050-30P-D	L025	0.12
CK3-2-37	14	24	18	31	25	37	M050Z060-30P-D	L025	0.13
CK4-1-58	11	19	22	39	40	58	M050Z050-30P-D	L025	0.24
CK4-2-50	14	24	22	39	36	50	M050Z060-30P-D	L025	0.22
CK4-3-50	18	31	22	39	37	50	M060Z090-30P-D	L03	0.30
CK5-1-60	11	19	28	50	40	60	M050Z050-30P-D	L025	0.38
CK5-2-54	14	24	28	50	35	54	M050Z060-30P-D	L025	0.38
CK5-2-74	14	24	28	50	55	74	M050Z060-30P-D	L025	0.45
CK5-3-47	18	31	28	50	29	47	M060Z090-30P-D	L03	0.46
CK5-3-72	18	31	28	50	54	72	M060Z120-30P-D	L03	0.54
CK5-4-42	22	39	28	50	25	42	M080Z120-30P-D	L04	0.43
CK5-4-67	22	39	28	50	50	67	M080Z050-30P-D	L04	0.62
CK6-1-70	11	19	36	64	40	70	M050Z060-30P-D	L025	0.90
CK6-2-63	14	24	36	64	35	63	M050Z060-30P-D	L025	0.66
CK6-2-93	14	24	36	64	65	93	M050Z090-30P-D	L025	0.71
CK6-3-56	18	31	36	64	39	56	M060Z090-30P-D	L03	0.70
CK6-3-96	18	31	36	64	79	96	M060Z120-30P-D	L03	0.91
CK6-4-51	22	39	36	64	35	51	M080Z120-30P-D	L04	0.76
CK6-4-101	22	39	36	64	85	101	M080Z160-30P-D	L04	1.19
CK6-5-41	28	50	36	64	25	41	M100Z160-30P-D	L05	0.72
CK6-5-91	28	50	36	64	75	91	M100Z050-30P-D	L05	1.46
CK7-6-106	28	50	36	64	75	91	M100Z050-30P-D	L05	3.12

CT

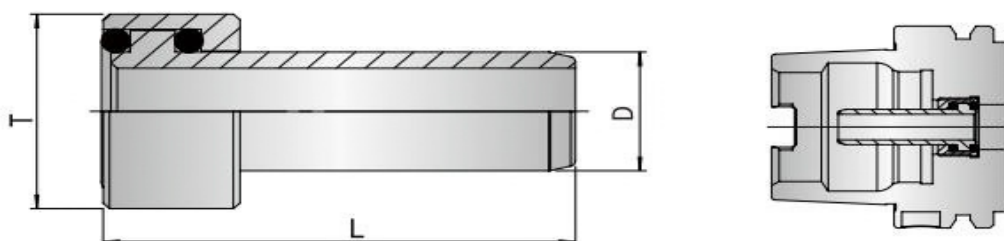
Bridge Boring Tool Holder



Model	ΦD	L	Fastening Screw	Shank Type	W.kg
BT40-CT-100	40	100	E120U400-D	BT40	2.90
BT40-CT-150	40	150	E120U400-D		4.24
BT50-CT-100	40	100	E120U400-D	BT50	5.50
BT50-CT-150	40	150	E120U400-D		6.38
BT50-CT-200	40	200	E120U400-D		7.61
BT50-CT-250	40	250	E120U400-D		10.44
BT50-CT-300	40	300	E120U400-D		12.37
BT50-CT-350	40	350	E120U400-D		14.33
BT50-CT-400	40	400	E120U400-D		15.0
SK50-CT-100	40	100	E120U400-D	SK50	5.50
SK50-CT-150	40	150	E120U400-D		6.38
SK50-CT-200	40	200	E120U400-D		7.61
HSKA100-CT-100	40	100	E120U400-D	HSKA100	3.96
HSKA100-CT-150	40	150	E120U400-D		4.59
HSKA100-CT-200	40	200	E120U400-D		5.48
HSKA100-CT-250	40	250	E120U400-D		7.52
HSKA100-CT-300	40	300	E120U400-D		10.32

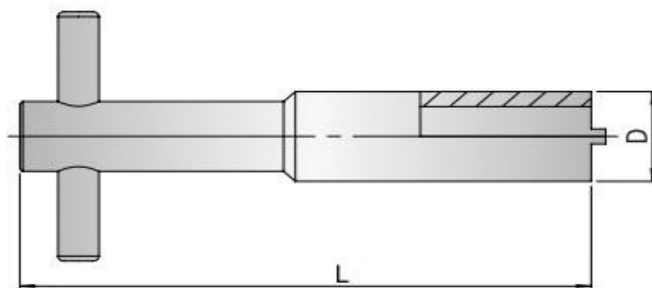
HSK-CP

Internal Coolant Pipe



Model	L	l1	D	T	W.kg
HSK63-CP	36.6	11.5	12	M18x1.0	0.02
HSK100-CP	44	15.5	16	M24x1.0	0.06

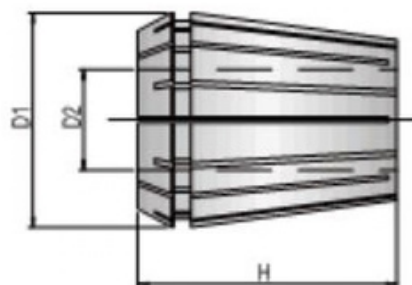
Internal Coolant Pipe Wrench



Model	L	D	W.kg
HSK63-CPW	100	18	0.14
HSK100-CPW	125	24	0.32

ER Collet

Collet



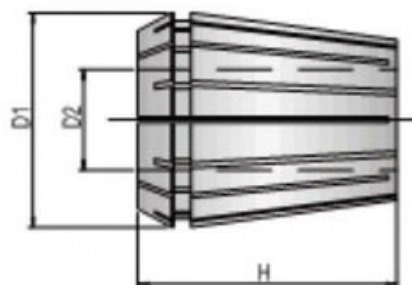
ER11		ER16		ER20	
Model	Clamp.Range	Model	Clamp.Range	Model	Clamp.Range
ER11-1	1-0.5	ER16-1	1-0.5	ER20-1	1-0.5
ER11-1.5	1.5-1	ER16-1.5	1.5-1	ER20-1.5	1.5-1
ER11-2	2-1.5	ER16-2	2-1.5	ER20-2	2-1.5
ER11-2.5	2.5-2	ER16-2.5	2.5-2	ER20-2.5	2.5-2
ER11-3	3-2.5	ER16-3	3-2	ER20-3	3-2
ER11-3.5	3.5-3	ER16-4	4-3	ER20-4	4-3
ER11-4	4-3.5	ER16-5	5-4	ER20-5	5-4
ER11-4.5	4.5-4	ER16-6	6-5	ER20-6	6-5
ER11-5	5-4.5	ER16-7	7-6	ER20-7	7-6
ER11-5.5	5.5-5	ER16-8	8-7	ER20-8	8-7
ER11-6	6-5.5	ER16-9	9-8	ER20-9	9-8
ER11-6.5	6.5-6	ER16-10	10-9	ER20-10	10-9
ER11-7	7-6.5			ER20-11	11-10
				ER20-12	12-11
				ER20-13	13-12

◇ If high-precision collets are required, please add "AA" after the model number, for example, ER16- 10AA.

◇ Within a 4x diameter range, standard collet accuracy is less than 0.01mm, while high-precision collet accuracy is less than 0.005mm.

ER Collet

Collet



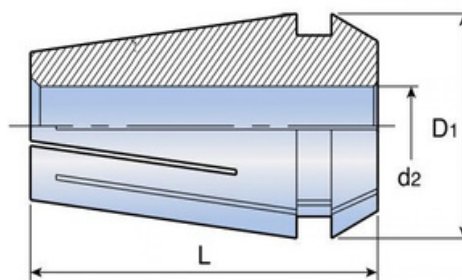
ER25		ER32		ER40	
Model	Clamp.Range	Model	Clamp.Range	Model	Clamp.Range
ER25-1	1-0.5	ER32-1	1-0.5	ER40-3	3-2
ER25-1.5	1.5-1	ER32-1.5	1.5-1	ER40-4	4-3
ER25-2	2-1.5	ER32-2	2-1.5	ER40-5	5-4
ER25-2.5	2.5-2	ER32-2.5	2.5-2	ER40-6	6-5
ER25-3	3-2	ER32-3	3-2	ER40-7	7-6
ER25-4	4-3	ER32-4	4-3	ER40-8	8-7
ER25-5	5-4	ER32-5	5-4	ER40-9	9-8
ER25-6	6-5	ER32-6	6-5	ER40-10	10-9
ER25-7	7-6	ER32-7	7-6	ER40-11	11-10
ER25-8	8-7	ER32-8	8-7	ER40-12	12-11
ER25-9	9-8	ER32-9	9-8	ER40-13	13-12
ER25-10	10-9	ER32-10	10-9	ER40-14	14-13
ER25-11	11-10	ER32-11	11-10	ER40-15	15-14
ER25-12	12-11	ER32-12	12-11	ER40-16	16-15
ER25-13	13-12	ER32-13	13-12	ER40-17	17-16
ER25-14	14-13	ER32-14	14-13	ER40-18	18-17
ER25-15	15-14	ER32-15	15-14	ER40-19	19-18
ER25-16	16-15	ER32-16	16-15	ER40-20	20-19
		ER32-17	17-16	ER40-21	21-20
		ER32-18	18-17	ER40-22	22-21
		ER32-19	19-18	ER40-23	23-22
		ER32-20	20-19	ER40-24	24-23
				ER40-25	25-24
				ER40-26	26-25

◇ If high-precision collets are required, please add "AA" after the model number, for example, ER16 -10AA

◇ Within a 4x diameter range, standard collet accuracy is less than 0.01mm, while high-precision collet accuracy is less than 0.005mm.

ER Sealing Collet

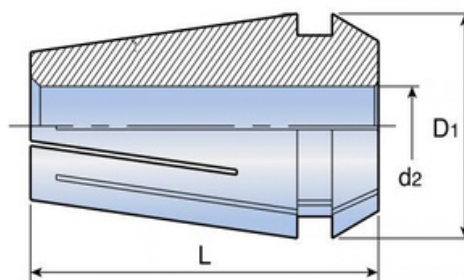
Sealing Collet



ER11C		ER16C		ER20C	
Model	Clamp.Range	Model	Clamp.Range	Model	Clamp.Range
ER11-3C	3-2.9	ER16-3C	3-2.9	ER20-3C	3-2.9
ER11-4C	4-3.9	ER16-4C	4-3.9	ER20-4C	4-3.9
ER11-4.5C	4.5-4.4	ER16-4.5C	4.5-4.4	ER20-5C	5-4.9
ER11-5C	5-4.9	ER16-5C	5-4.9	ER20-5.5C	5.5-5.4
ER11-5.5C	5.5-5.4	ER16-5.5C	5.5-5.4	ER20-6C	6-5.5
ER11-6C	6-5.9	ER16-6C	6-5.5	ER20-6.5C	6.5-6
ER11-6.5C	6.5-6.4	ER16-6.5C	6.5-6	ER20-7C	7-6.5
ER11-7C	7-6.9	ER16-7C	7-6.5	ER20-7.5C	7.5-7
		ER16-7.5C	7.5-7	ER20-8C	8-7.5
		ER16-8C	8-7.5	ER20-8.5C	8.5-8
		ER16-8.5C	8.5-8	ER20-9C	9-8.5
		ER16-9C	9-8.5	ER20-9.5C	9.5-9
		ER16-9.5C	9.5-9	ER20-10C	10-9.5
		ER16-10C	10-9.5	ER20-10.5C	10.5-10
				ER20-11C	11-10.5
				ER20-11.5C	11.5-11
				ER20-12C	12-11.5
				ER20-12.5C	12.5-12
				ER20-13C	13-12.5

ER Sealing Collet

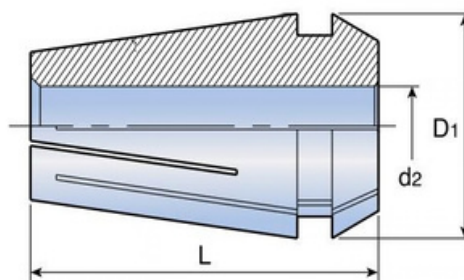
Sealing Collet



ER25C		ER32C		ER40C	
Model	Clamp.Range	Model	Clamp.Range	Model	Clamp.Range
ER25-3C	3-2.9	ER32-3C	3-2.9	ER40-4C	4-3.9
ER25-4C	4-3.9	ER32-4C	4-3.9	ER40-5C	5-4.9
ER25-5C	5-4.9	ER32-5C	5-4.9	ER40-6C	6-5.9
ER25-6C	6-5.5	ER32-6C	6-5.9	ER40-7C	7-6.9
ER25-6.5C	6.5-6	ER32-7C	7-6.9	ER40-8C	8-7.9
ER25-7C	7-6.5	ER32-8C	8-7.5	ER40-9C	9-8.9
ER25-7.5C	7.5-7	ER32-8.5C	8.5-8	ER40-10C	10-9.5
ER25-8C	8-7.5	ER32-9C	9-8.5	ER40-10.5C	10.5-10
ER25-8.5C	8.5-8	ER32-9.5C	9.5-9	ER40-11C	11-10.5
ER25-9C	9-8.5	ER32-10C	10-9.5	ER40-11.5C	11.5-11
ER25-9.5C	9.5-9	ER32-10.5C	10.5-10	ER40-12C	12-11.5
ER25-10C	10-9.5	ER32-11C	11-10.5	ER40-12.5C	12.5-12
ER25-10.5C	10.5-10	ER32-11.5C	11.5-11	ER40-13C	13-12.5
ER25-11C	11-10.5	ER32-12C	12-11.5	ER40-13.5C	13.5-13
ER25-11.5C	11.5-11	ER32-12.5C	12.5-12	ER40-14C	14-13.5
ER25-12C	12-11.5	ER32-13C	13-12.5	ER40-14.5C	14.5-14
ER25-12.5C	12.5-12	ER32-13.5C	13.5-13	ER40-15C	15-14.5
ER25-13C	13-12.5	ER32-14C	14-13.5	ER40-15.5C	15.5-15
ER25-13.5C	13.5-13	ER32-14.5C	14.5-14	ER40-16C	16-15.5
ER25-14C	14-13.5	ER32-15C	15-14.5	ER40-16.5C	16.5-16
ER25-14.5C	14.5-14	ER32-15.5C	15.5-15	ER40-17C	17-16.5
ER25-15C	15-14.5	ER32-16C	16-15.5	ER40-17.5C	17.5-17
ER25-15.5C	15.5-15	ER32-16.5C	16.5-16	ER40-18C	18-17.5
ER25-16C	16-15.5	ER32-17C	17-16.5	ER40-18.5C	18.5-18
		ER32-17.5C	17.5-17	ER40-19C	19-18.5

ER Sealing Collet

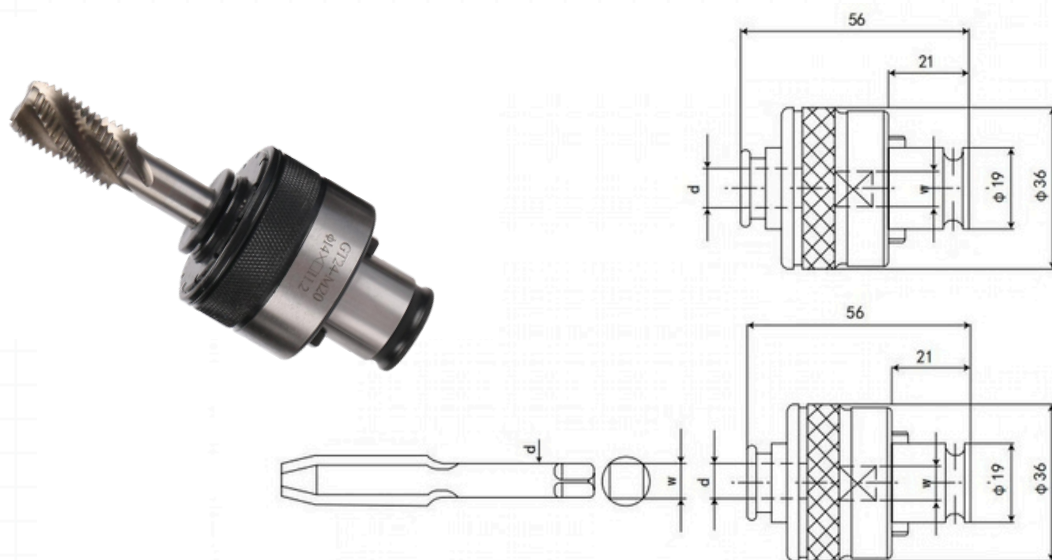
Sealing Collet



ER25C		ER32C		ER40C	
Model	Clamp.Range	Mo del	Clamp.Range	Mo del	Clamp.Range
		ER32-18C	18-17.5	ER40-19.5C	19.5-19
		ER32-18.5C	18.5-18	ER40-20C	20-19.5
		ER32-19C	19-18.5	ER40-20.5C	20.5-20
		ER32-19.5C	19.5-19	ER40-21C	21-20.5
		ER32-20C	20-19.5	ER40-21.5C	21.5-21
				ER40-22C	22-21.5
				ER40-22.5C	22.5-22
				ER40-23C	23-22.5
				ER40-23.5C	23.5-23
				ER40-24C	24-23.5
				ER40-24.5C	24.5-24
				ER40-25C	25-24.5
				ER40-25.5C	25.5-25
				ER40-26C	26-25.5

GT12 Overload Protection Tapping Collet

GT12 Overload Protection Tapping Collet (National Standard)



Model (ISO)	Tapping Tool Holder (ISO)	Tap Shank Diameter	Tap Square W
ISO-GT12-M3	M3	3.15	2.5X2.5
ISO-GT12-M4	M4	4	3.15X3.15
ISO-GT12-M5	M5	5	4X4
ISO-GT12-M6	M6	6.3	5X5
ISO-GT12-M8	M8	6.3	5X5
ISO-GT12-M10	M10	8	6.3X6.3
ISO-GT12-M12	M12	9	7.1X7.1
ISO-GT12-M14	M14	11.2	9X9
ISO-GT12-M16	M16	12.5	10X10

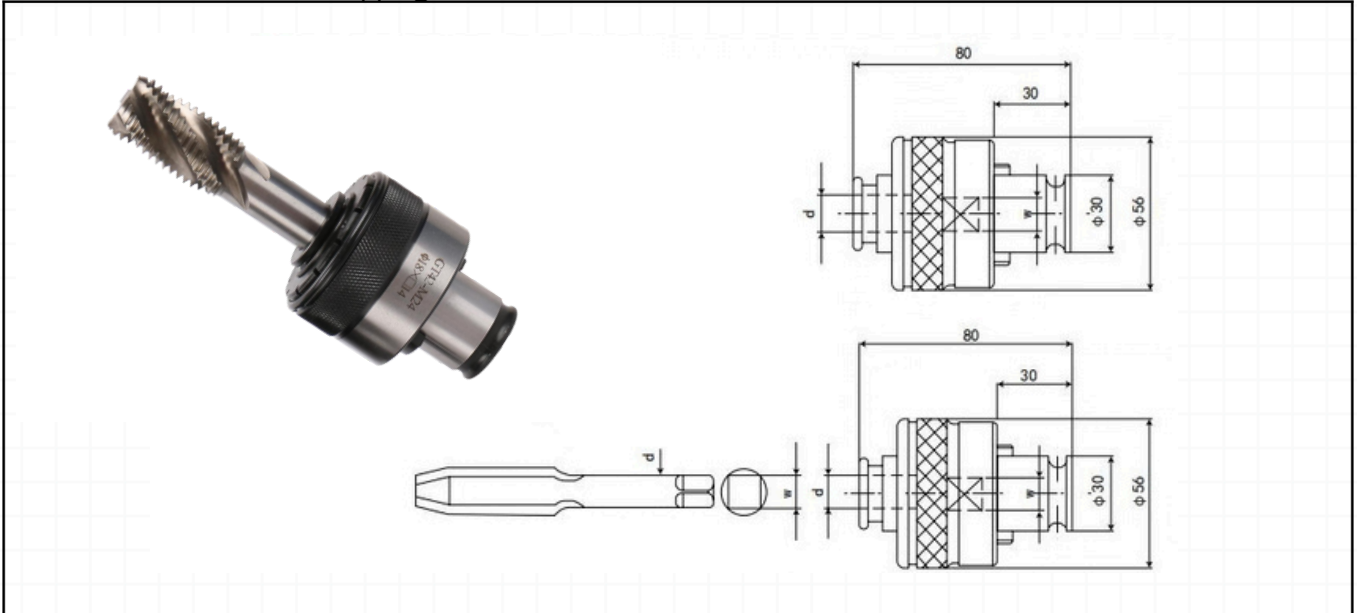
Model(INCH/JIS)	Tapping Tool Holder(JIS)	Tapping Tool Holder(INCH)	Tap Shank Diameter	Tap Square W
JIS-GT12-M3	M3	1/5	4	3.2X3.2
JIS-GT12-M4	M4	5/32	5	4X4
JIS-GT12-M5	M5	3/16	5.5	4.5X4.5
JIS-GT12-M6	M6	1/4	6	4.5X4.5
JIS-GT12-M8	M8	—	6.2	5X5
JIS-GT12-M10	M10	3/8	7	5.5X5.5
JIS-GT12-M12	M12	—	8.5	6.5X6.5
JIS-GT12-M14	M14	9/16	10.5	8X8
JIS-GT12-M16	M16	—	12.5	10X10

◎This product features torque overload protection, high precision, high sensitivity, and a long service life.

◎The torque variation responds sensitively and can be adjusted to set the corresponding torque for different materials.

GT24 Overload Protection Tapping Collet

GT24 Overload Protection Tapping Collet (National Standard)



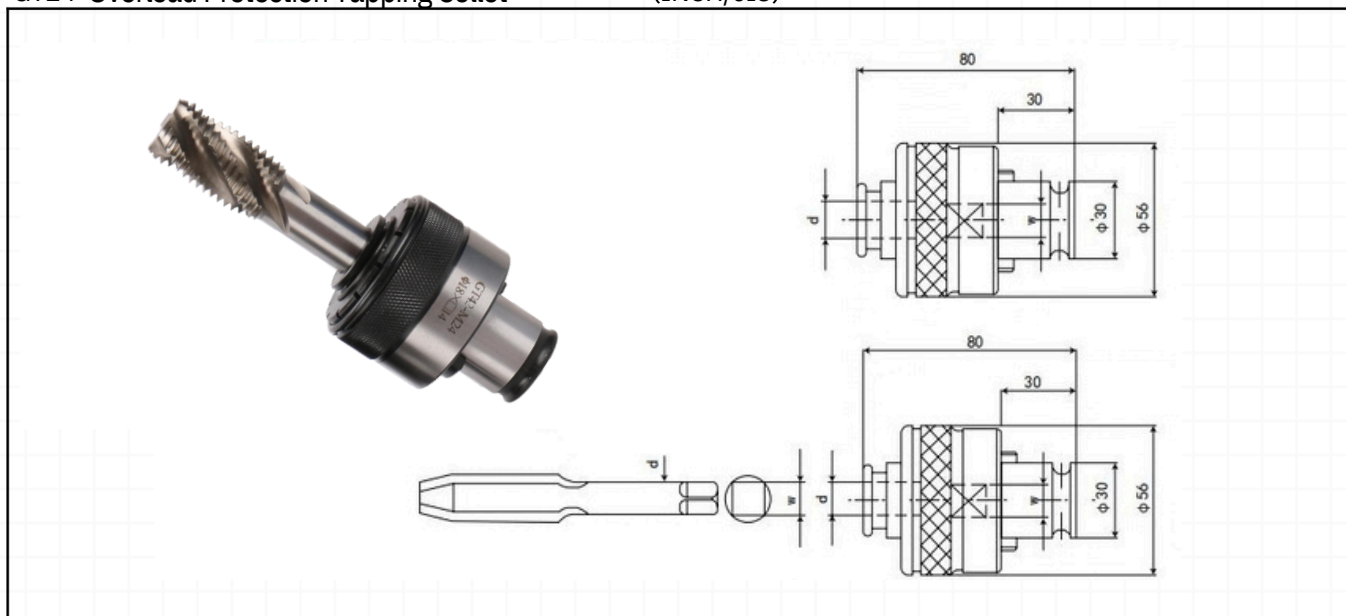
Model(ISO)	Tapping Tool Holder (ISO)	Tap Shank Diameter	Tap Square W
ISO-GT24-M5	M5	5	4X4
ISO-GT24-M6	M6	6.3	5X5
ISO-GT24-M8	M7	6.3	5X5
ISO-GT24-M10	M10	8	6.3X6.3
ISO-GT24-M12	M12	9	7.1X7.1
ISO-GT24-M14	M14	11.2	9X9
ISO-GT24-M16	M16	12.5	10X10
ISO-GT24-M18	M18	14	11.2X11.2
ISO-GT24-M20	M20	14	11.2X11.2
ISO-GT24-M22	M22	16	12.5X12.5
ISO-GT24-M24	M24	18	14X14
ISO-GT24-M27	M27	20	16X16
ISO-GT24-M30	M30	20	16X16

◎This product features torque overload protection, high precision, high sensitivity, and a long service life.

◎The torque variation responds sensitively and can be adjusted to set the corresponding torque for different materials.

GT24 Overload Protection Tapping Collet

GT24 Overload Protection Tapping Collet (INCH/JIS)



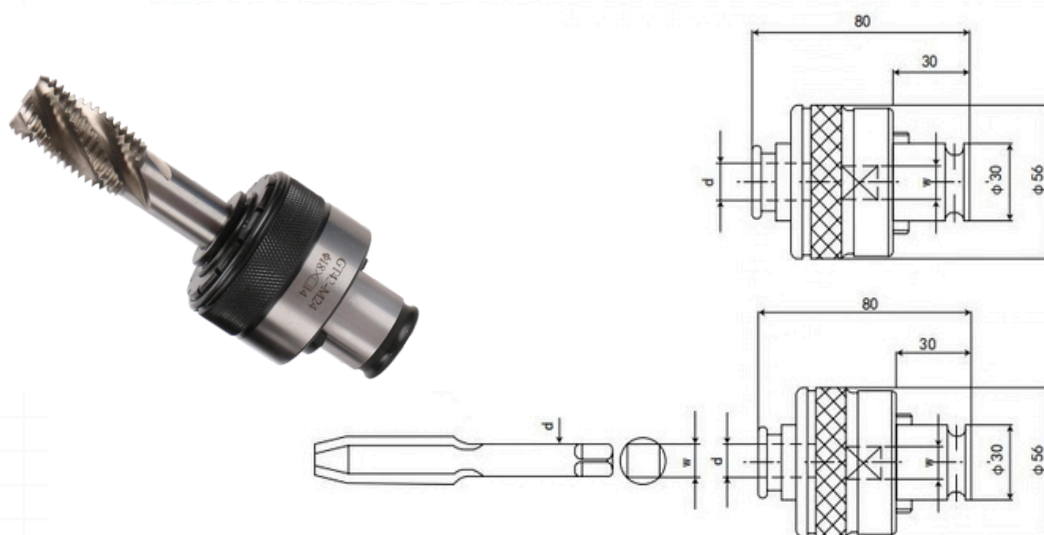
Model(INCH/JIS)	Tapping Tool Holder(JIS)	Tapping Tool Holder(INCH)	Tap Shank Diameter	Tap Square W
JIS-GT24-M5	M5	3/16	5.5	4.5X4.5
JIS-GT24-M6	M6	1/4	6	4.5X4.5
JIS-GT24-M8	M7	—	6.2	5X5
JIS-GT24-M10	M10	3/8	7	5.5X5.5
JIS-GT24-M12	M12	—	8.5	6.5X6.5
JIS-GT24-M14	M14	9/16	10.5	8X8
JIS-GT24-M16	M16	—	12.5	10X10
JIS-GT24-M18	M18	3/4	14	11X11
JIS-GT24-M20	M20	—	15	12X12
JIS-GT24-M22	M22	7/8	17	13X13
JIS-GT24-M24	M24	—	19	15X15
JIS-GT24-M27	M27	—	20	15X15
JIS-GT24-M30	M30	—	23	17X17

◎This product features torque overload protection, high precision, high sensitivity, and a long service life.

◎The torque variation responds sensitively and can be adjusted to set the corresponding torque for different materials.

GT24 Overload Protection Tapping Collet

GT24 Overload Protection Tapping Collet (National Standard)



Model(ISO)	Tapping Tool Holder (ISO)	Tap Shank Diameter	Tap Square W
ISO-GT42-M24	M24	18	14X14
ISO-GT42-M27	M27	20	16X16
ISO-GT42-M30	M30	20	16X16
ISO-GT42-M33	M33	22.4	18X18
ISO-GT42-M36	M36	25	20X20
ISO-GT42-M39	M39	28	22.4X22.4
ISO-GT42-M42	M42	28	22.4X22.4
ISO-GT42-M45	M45	31.5	25X25
ISO-GT42-M48	M48	31.5	25X25

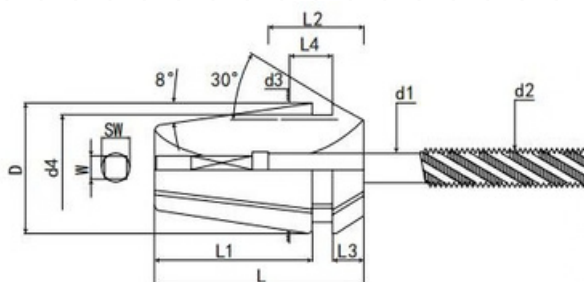
Model(JIS)	Tapping Tool Holder (JIS)	Tap Shank Diameter	Tap Square W
JIS-GT42-M24	M24	19	15X15
JIS-GT42-M27	M27	20	15X15
JIS-GT42-M30	M30	23	17X17
JIS-GT42-M33	M33	25	19X19
JIS-GT42-M36	M36	28	21X21
JIS-GT42-M39	M39	30	23X23
JIS-GT42-M42	M42	32	26X26
JIS-GT42-M45	M45	35	26X26
JIS-GT42-M48	M48	38	29X29

◎This product features torque overload protection, high precision, high sensitivity, and a long service life.

◎The torque variation responds sensitively and can be adjusted to set the corresponding torque for different materials.

ERG Rigid Tapping Chuck

Tapping Chuck (Metric)



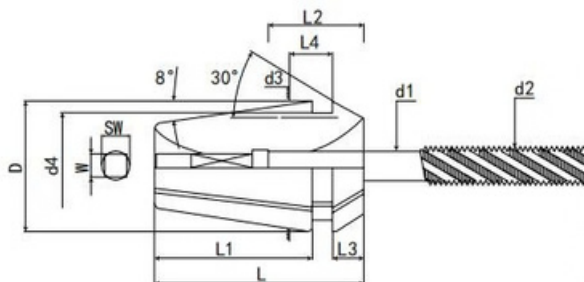
Model	Dimension (mm)						Tapping Range	W.KG
	D	d3	d4	L	L3	L4		
ER16G	17	16	13.8	27.5	4.0	6.26	M3-M10	0.003
ER20G	21	20	17.4	31.5	4.8	6.36	M3-M17	0.04
ER25G	26	25	22	34	5.0	3.66	M3-M22	0.06
ER32G	33	32	29.2	40	5.5	7.16	M3-M27	0.10
ER40G	42	40	36.2	46	7.0	7.66	M3-M27	0.25
ER50G	52	50	46	60	8.5	12.6	M3-M36	0.40

E16G Model	E20G Model	E25G Model	Dimension (mm)			General Standards				L2
			d1	SW	W	ISO	JIS	DIN371	DIN376	
ER16G-2.24	ER20G-2.24	ER25G-2.24	2.24	2	1.8	M3				15
ER16G-2.5	ER20G-2.5	ER25G-2.5	2.5	2.2	2.1 2				M3.5	
					2.1	M3.5				
ER16G-2.8	ER20G-2.8	ER25G-2.8	2.8	2.6	2.5				M4	
ER16G-3	ER20G-3	ER25G-3	3	2.8	2.5		M2			18
ER16G-3.15	ER20G-3.15	ER25G-3.15	3.15	2.9	2.7	M3/M4				
ER16G-3.5	ER20G-3.5	ER25G-3.5	3.5	3.3	2.8			M3	M5	
ER16G-3.55	ER20G-3.55	ER25G-3.55	3.55	3.3		M3.5/M4.5				
ER16G-4	ER20G-4	ER25G-4	4	3.8	3				M3.5	
					3.1		M3			
					3.15	M4/M5				
ER16G-4.5	ER20G-4.5	ER25G-4.5	4.5	4.3	3.4			M4	M6	
					3.55	M6				
ER16G-5	ER20G-5	ER25G-5	5	4.7	4	M5	M4/M5.5			

©When ordering, please pay attention to the standards and the dimensions d2, d1, and W.

ERG Rigid Tapping Chuck

Tapping Chuck (Metric)

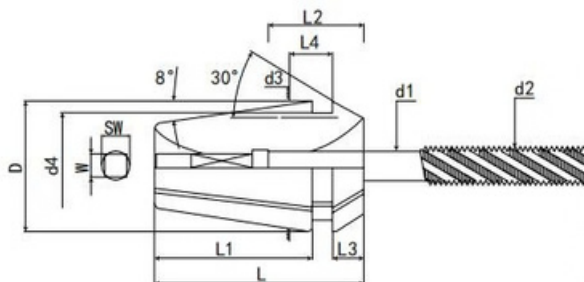


E16G Model	E20G Model	E25G Model	Dimension (mm)			General Standards				L2
			d1	SW	W	ISO	JIS	DIN371	DIN376	
ER16G-5.5	ER20G-5.5	ER25G-5.5	5.5	4.37	4.3				M7	18
					4.5		M5/ M5.5			
ER16G-6	ER20G-6	ER25G-6	6	5.09	4.5		M6			
					4.9			M5/M6	M8	
ER16G-6.2	ER20G-6.2	ER25G-6.2	6.2	5.21	5		M7/M8			
ER16G-6.3	ER20G-6.3	ER25G-6.3	6.3	5.21	5	M6/M8				
ER16G-7	ER20G-7	ER25G-7	7	5.84	5.5		M9/M10	M7	M10	22
ER16G-8	ER20G-8	ER25G-8	8	6.88	6		M11			
					6.2			M8	M11	
					6.3	M8/M10				
ER16G-8.5	ER20G-8.5	ER25G-8.5	8.5	7.14	6.5		M12			
ER16G-9	ER20G-9	ER25G-9	9	7.95	7				M12	
					7.1	M12				25
ER16G-10	ER20G-10	ER25G-10	10	9.16	8	M10		M10		
	ER20G-10.5	ER25G-10.5	10.5	9.16	8		M14/ M15			
	ER20G-11	ER25G-11	11	10.53	9				M14	
	ER20G-11.2	ER25G-11.2	11.2	10.53	9	M14				
	ER20G-12	ER25G-12	12	10.53	9				M16	
	ER20G-12.5	ER25G-12.5	12.5	11.91	10	M16	M16			
	ER20G-13	ER25G-13	13	11.91	10		M17			

©When ordering, please pay attention to the standards and the dimensions d2, d1, and W.

ERG Rigid Tapping Chuck

Tapping Chuck (Metric)



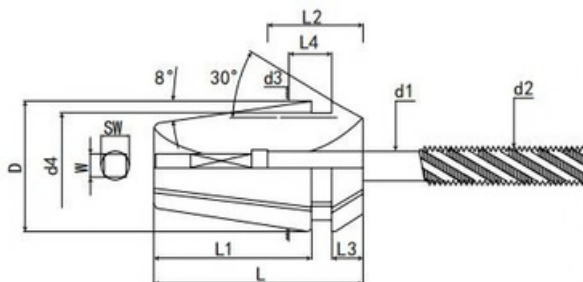
E16G Model	E20G Model	E25G Model	Dimension (mm)			General Standards				L2
			d1	SW	W	ISO	JIS	DIN371	DIN376	
		ER25G-14	14	12.97	11		M18		M18	28
					11.2	M18/M20				
		ER25G-15	15	14.06	12		M20			
		ER25G-16	16	14.06	12				M20	
					12.5	M22				

E32G Model	E40G Model	E50G Model	Dimension (mm)			General Standards				L2
			d1	SW	W	ISO	JIS	DIN371	DIN376	
ER32G-2.24	ER40G-2.24		2.24	2	1.8	M3				15
ER32G-2.5	ER40G-2.5		2.5	2.2	2.1 2				M3.5	
					2.1	M3.5				
ER32G-2.8	ER40G-2.8		2.8	2.6	2.5				M4	
ER32G-3	ER40G-3		3	2.8	2.5		M2			18
ER32G-3.15	ER40G-3.15		3.15	2.9	2.7	M3/M4				
ER32G-3.5	ER40G-3.5		3.5	3.3	2.8			M3	M5	
ER32G-3.55	ER40G-3.55		3.55	3.3		M3.5/M4.5				
ER32G-4	ER40G-4		4	3.8	3				M3.5	
					3.1		M3			
					3.15	M4/M5				
ER32G-4.5	ER40G-4.5		4.5	4.3	3.4			M4	M6	
					3.55	M6				
ER32G-5	ER40G-5		5	4.7	4	M5	M4/M5.5			

©When ordering, please pay attention to the standards and the dimensions d2, d1, and W.

ERG Rigid Tapping Chuck

Tapping Chuck (Metric)

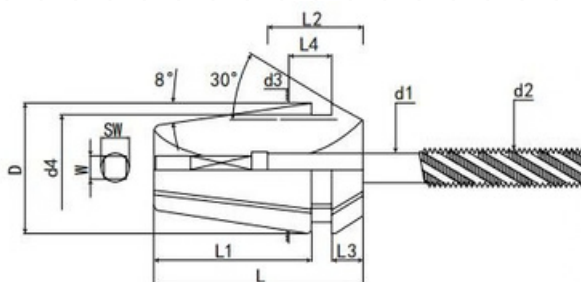


E32G Model	E40G Model	E50G Model	Dimension (mm)			General Standards				L2
			d1	SW	W	ISO	JIS	DIN371	DIN376	
ER32G-5.5	ER40G-5.5		5.5	4.37	4.3				M7	18
					4.5		M5/ M5.5			
ER32G-6	ER40G-6	ER50G-6	6	5.09	4.5		M6			
					4.9			M5/M6	M8	
ER32G-6.2	ER40G-6.2	ER50G-6.2	6.2	5.21	5		M7/M8			
ER32G-6.3	ER40G-6.3	ER50G-6.3	6.3	5.21	5	M6/M8				22
ER32G-7	ER40G-7	ER50G-7	7	5.84	5.5		M9/M10	M7	M10	
ER32G-8	ER40G-8	ER50G-8	8	6.88	6		M11			
					6.2			M8	M11	
					6.3	M8/M10				
ER32G-8.5	ER40G-8.5	ER50G-8.5	8.5	7.14	6.5		M12			
ER32G-9	ER40G-9	ER50G-9	9	7.95	7				M12	25
					7.1	M12				
ER32G-10	ER40G-10	ER50G-10	10	9.16	8	M10		M10		
ER32G-10.5	ER40G-10.5	ER50G-10.5	10.5	9.16	8		M14/ M15			
ER32G-11	ER40G-11	ER50G-11	11	10.53	9				M14	
ER32G-11.2	ER40G-11.2	ER50G-11.2	11.2	10.53	9	M14				
ER32G-12	ER40G-12	ER50G-12	12	10.53	9				M16	25
ER32G-12.5	ER40G-12.5	ER50G-12.5	12.5	11.91	10	M16	M16			
ER32G-13	ER40G-13	ER50G-13	13	11.91	10		M17			

©When ordering, please pay attention to the standards and the dimensions d2, d1, and W.

ERG Rigid Tapping Chuck

Tapping Chuck (Metric)



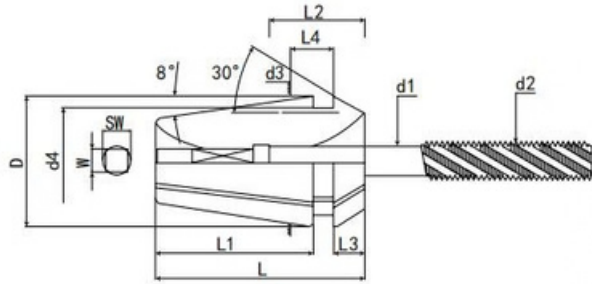
E32G Model	E40G Model	E50G Model	Dimension (mm)			General Standards				L2
			d1	SW	W	ISO	JIS	DIN371	DIN376	
ER32G-14	ER40G-14	ER50G-14	14	12.97	11		M18		M18	—
					11.2	M18/M20				
ER32G-15	ER40G-15	ER50G-15	15	14.06	12		M20			
ER32G-16	ER40G-16	ER50G-16	16	14.06	12				M20	
					12.5	M22				
ER32G-17	ER40G-17	ER50G-17	17	11.91	13		M22			—
ER32G-18	ER40G-18	ER50G-18	18	12.97	14.5				M22/ M24	
					14	M24				
ER32G-19	ER40G-19	ER50G-19	19	14.06	15		M24/ M25			
ER32G-20	ER40G-20	ER50G-20	20	14.06	15		M26/ M27 M28			
		ER50G-21	21	20.5	17					—
		ER50G-22	22	21.6	18				M30	
		ER50G-22.4	22.4	21.6	18	M33				
		ER50G-23	23	20.5	17		M30			
		ER50G-25	25	24.53	19		M33			
					20	M36				
		ER50G-28	28	27	21		M36			

◎When ordering, please pay attention to the standards and the dimensions d2, d1, and W.

◎For the value of L2, please refer to the table below.

ERG Rigid Tapping Collet

Tapping Collet (Metric)

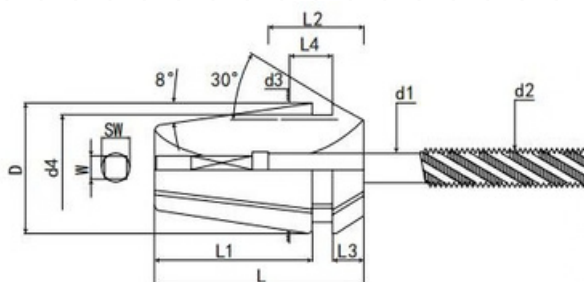


E32G Model	E40G Model	L2
ER32G-14	ER40G-14	28
ER32G-15	ER40G-15	
ER32G-16	ER40G-16	
ER32G-17	ER40G-17	33
ER32G-18	ER40G-18	
ER32G-19	ER40G-19	
ER32G-20	ER40G-20	

E50G Model	L2	E50G Model	L2
ER50G-14	25	ER50G-20	40
ER50G-15		ER50G-21	
ER50G-16		ER50G-22	
ER50G-17	28	ER50G-22.4	
ER50G-18		ER50G-23	
ER50G-19		ER50G-25	
		ER50G-28	

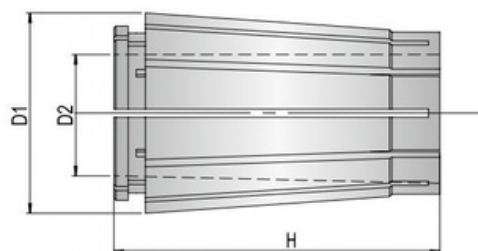
ERG Rigid Tapping Collet

Tapping Chuck (Imperial)



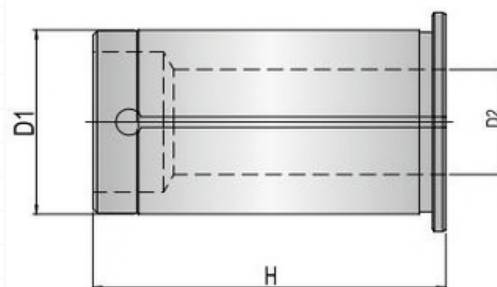
E16G (d2)	E20G (d2)	E25G (d2)	E32G (d2)	E40G (d2)	Dimension (mm)		
					d1	SW	W□
5/32	5/32	5/32	5/32	5/16	0.168"	0.151"	0.131"
3/16	3/16	3/16	3/16	7/16	0.194"	0.180"	0.152"
7/32	7/32	7/32	7/32	1/2	0.220"	0.198"	0.165"
1/4	1/4	1/4	1/4	3/8	0.255"	0.198"	0.191"
	5/16	5/16	5/16	9/16	0.318"	0.258"	0.238"
	7/16	7/16	7/16	1/8PT	0.323"	0.263"	0.242"
	1/2	1/2	1/2	5/8	0.367"	0.307"	0.275"
	3/8	3/8	3/8	11/16	0.381"	0.321"	0.286"
	9/16	9/16	9/16	1/4PT	0.429"	0.370"	0.322"
		1/8PT	1/8PT	3/4	0.437"	0.378"	0.328"
		5/8	5/8	13/16	0.480"	0.422"	0.360"
			11/16	1/2PT	0.542"	0.486"	0.406"
			1/4PT	7/8	0.562"	0.483"	0.421"
			3/4	3/8PT	0.590"	0.512"	0.442"
			13/16	15/16	0.649"	0.576"	0.489"
				1	0.687"	0.612"	0.515"
					0.697"	0.623"	0.523"
					0.700"	0.634"	0.531"
					0.760"	0.389"	0.570"
					0.800"	0.730"	0.600"

GSK Precision Collet



GSK 06		GSK 10		GSK 16		GSK 25	
Model	Clamp. Range	Model	Clamp. Range	Model	Clamp. Range	Model	Clamp. Range
GSK06-2	2-1.75	GSK10-2	2-1.75	GSK16-3	3-2.75	GSK25-6	6-5.5
GSK06-2.5	2-2.25	GSK10-2.5	2-2.25	GSK16-3.175	3.175-2.7	GSK25-8	8-7.5
GSK06-3	3-2.75	GSK10-3	3-2.75	GSK16-3.5	3.5-3	GSK25-10	10-9.5
GSK06-3.5	3.5-3	GSK10-3.175	3.175-2.7	GSK16-4	4-3.5	GSK25-12	12-11.5
GSK06-4	4-3.5	GSK10-3.5	3.5-3	GSK16-4.5	4.5-4	GSK25-14	14-13.5
GSK06-4.5	4.5-4	GSK10-4	4-3.5	GSK16-5	5-4.5	GSK25-16	16-15.5
GSK06-5	5-4.5	GSK10-4.5	4.5-4.4	GSK16-5.5	5.5-5	GSK25-16.5	16.5-16
GSK06-5.5	5.5-5	GSK10-5	5-4.5	GSK16-6	6-5.5	GSK25-17	17-16.5
GSK06-6	6-5.5	GSK10-5.5	5.5-5	GSK16-6.5	6.5-6	GSK25-17.5	17.5-17
		GSK10-6	6-5.5	GSK16-7	7-6.5	GSK25-18	18-17.5
		GSK10-6.5	6.5-6	GSK16-7.5	7.5-7	GSK25-18.5	18.5-18
		GSK10-7	7-6.5	GSK16-8	8-7.5	GSK25-19	19-18.5
		GSK10-7.5	7.5-7	GSK16-8.5	8.5-8	GSK25-19.5	19.5-19
		GSK10-8	8-7.5	GSK16-9	9-8.5	GSK25-20	20-19.5
		GSK10-8.5	8.5-8	GSK16-9.5	9.5-9	GSK25-20.5	20.5-20
		GSK10-9	9-8.5	GSK16-10	10-9.5	GSK25-21	21-20.5
		GSK10-9.5	9.5-9	GSK16-10.5	10.5-10	GSK25-21.5	21.5-21
		GSK10-10	10-9.5	GSK16-11	11-10.5	GSK25-22	22-21.5
				GSK16-11.5	11.5-11	GSK25-22.5	22.5-22
				GSK16-12	12-11.5	GSK25-23	23-22.5
				GSK16-12.5	12.5-12	GSK25-23.5	23.5-23
				GSK16-13	13-12.5	GSK25-24	24-23.5
				GSK16-13.5	13.5-13	GSK25-24.5	24.5-24
				GSK16-14	14-13.5	GSK25-25	25-24.5
				GSK16-14.5	14.5-14		
				GSK16-15	15-14.5		
				GSK16-15.5	15.5-15		
				GSK16-16	16-15.5		

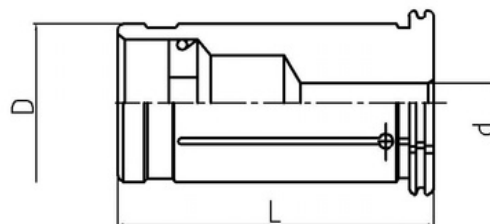
SC Power Collet



Model	Dimension (mm)		
	D1	D2	H
SC12	12	3, 4, 5, 6, 7, 8, 9, 10	40
SC16	16	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
SC20	20	6, 8, 10, 12, 14, 16	64
SC25	25	6, 8, 10, 12, 16, 20	
SC32	32	6, 8, 10, 12, 16, 20, 25	71
SC42	42	6, 8, 10, 12, 16, 20, 25, 32	

DHC

D-Type End Face Water Outlet Hydraulic Tool Holder Adapter Collet.



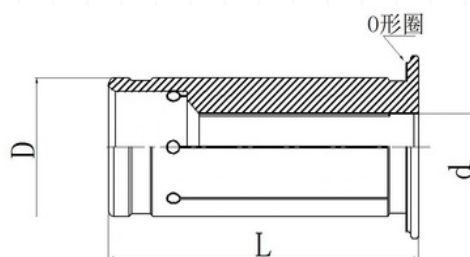
Model	Dimension (mm)			
	d	D	L	
DHC12-3	3	12	45	
DHC12-4	4	12	45	
DHC12-5	5	12	45	
DHC12-6	6	12	45	
DHC12-8	8	12	45	

DHC20-3	3	20	50.5	
DHC20-4	4	20	50.5	
DHC20-5	5	20	50.5	
DHC20-6	6	20	50.5	
DHC20-8	8	20	50.5	
DHC20-10	10	20	50.5	
DHC20-12	12	20	50.5	
DHC20-14	14	20	50.5	
DHC20-16	16	20	50.5	

DHC32-6	6	32	60.5	
DHC32-8	8	32	60.5	
DHC32-10	10	32	60.5	
DHC32-12	12	32	60.5	
DHC32-14	14	32	60.5	
DHC32-16	16	32	60.5	
DHC32-18	18	32	60.5	
DHC32-20	20	32	60.5	
DHC32-25	25	32	60.5	

ODHC

OD-Type Center Water Outlet Hydraulic Tool Holder Adapter Collet



Model	Dimension (mm)			
	d	D	L	
ODHC12-3	3	12	45	
ODHC12-4	4	12	45	
ODHC12-5	5	12	45	
ODHC12-6	6	12	45	
ODHC12-8	8	12	45	

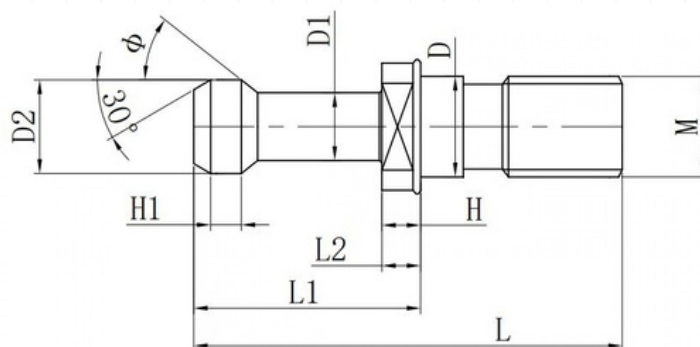
ODHC20-3	3	20	50.5	
ODHC20-4	4	20	50.5	
ODHC20-5	5	20	50.5	
ODHC20-6	6	20	50.5	
ODHC20-8	8	20	50.5	
ODHC20-10	10	20	50.5	
ODHC20-12	12	20	50.5	
ODHC20-14	14	20	50.5	
ODHC20-16	16	20	50.5	

ODHC32-6	6	32	60.5	
ODHC32-8	8	32	60.5	
ODHC32-10	10	32	60.5	
ODHC32-12	12	32	60.5	
ODHC32-14	14	32	60.5	
ODHC32-16	16	32	60.5	
ODHC32-18	18	32	60.5	
ODHC32-20	20	32	60.5	
ODHC32-25	25	32	60.5	

BT-1982 / DIN 69872 SK

Pull Pin

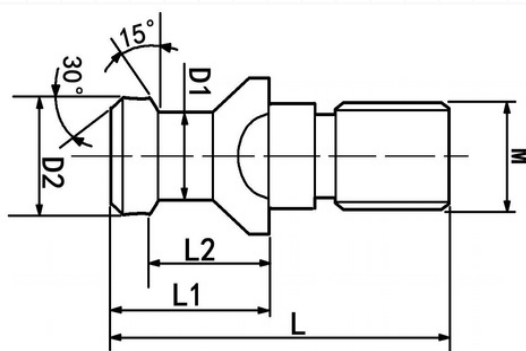
BT-1982 BT Pull Pin



Model	Dimension (mm)									φ
	D	D1	D2	M	L	L1	L2	H	H1	
LD-BT30	12.5	7	11	M12	43	23	18	5	2.5	45° 60° 90°
LD-BT40	17	10	15	M16	60	35	28	6	3	
LD-BT50	25	17	23	M24	85	45	35	10	5	

©If internal cooling pull studs are required, use .C, for example: BT50-45°.C

DIN69872 SK Pull Pin



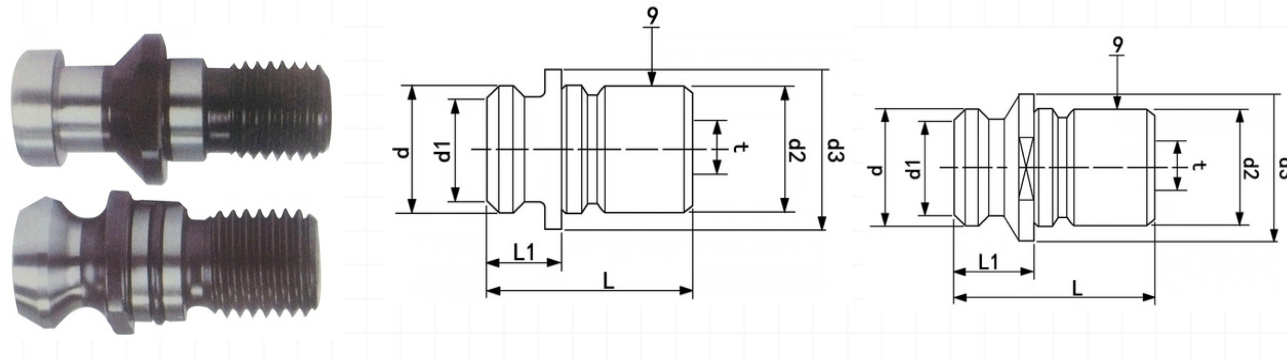
Model	Dimension (mm)						
	D	D1	D2	M	L	L1	L2
SK-30A	13	9	13	M12	44	24	19
SK-40A	17	14	19	M16	54	26	20
SK-50A	25	21	28	M24	74	34	25
SK-30B	13	9	13	M12	44	24	19
SK-40B	17	14	19	M16	54	26	20
SK-50B	25	21	28	M24	74	34	25

©If internal cooling pull studs are required, use .C, for example: SK-50B.C; Type A comes with internal cooling.

ISO 7388 / ISO

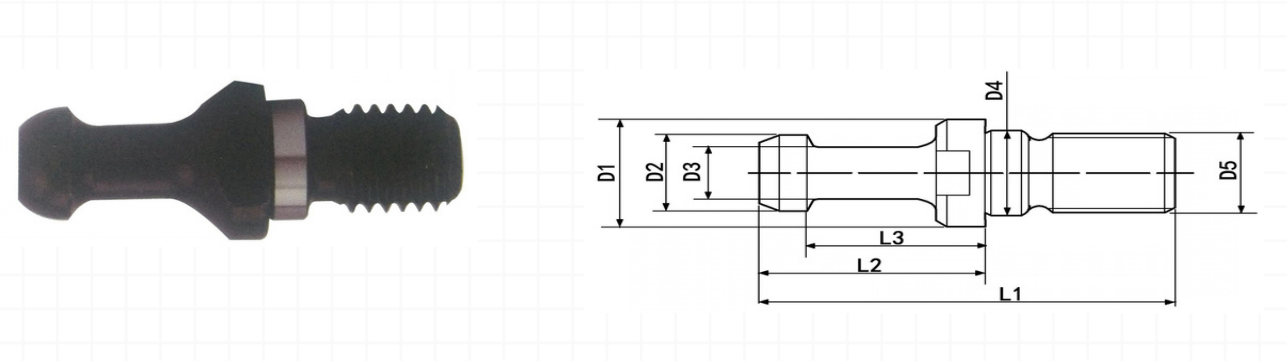
Pull Pin

ISO7388 Pull Pin

							
Model	Dimension (mm)						
	d1	d2	d3	d	g	I	t
DIN7388-40A	14	17	23	19	M16	54	7.5
DIN7388-50A	21	25	36	28	M24	74	11.5
DIN7388-40B	12.95	17	22.5	18.95	M16	44.5	7.5
DIN7388-50B	19.6	25	36	29.1	M24	65.5	11.5

©If internal cooling pull studs are required, use .C, for example: DIN7388-50B.C

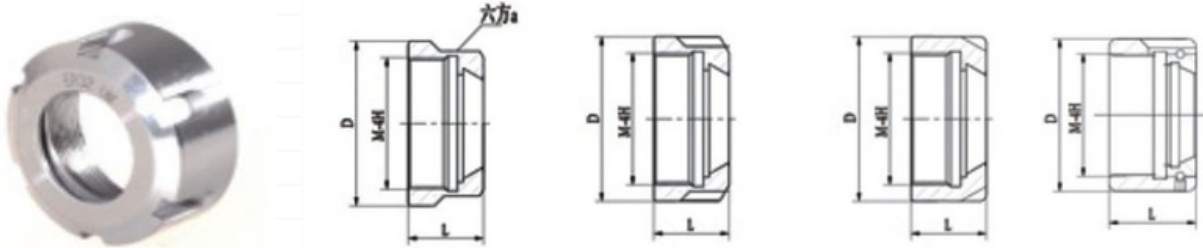
ISO Pull Pin

								
Model	Dimension (mm)							
	L1	L2	L3	D1	D2	D3	D4	D5
ISO20	26	12	9	12	9	6	8.5	M8
ISO25	28	12	9	13	11	7	8.5	M8
ISO30	44	24	19	17	13	9	13.0	M12

©If internal cooling pull studs are required, use .C, for example: ISO20.C

ER / GSK NUT

ER Nut

				
Model	Dimension (mm)			FIG
	M	D	L	
ER11-A	M14x0.75	19	13	Fig.1
ER16-A	M22x1.52	28	17.5	Fig.1
ER20-A	M25x1.5	34	19	Fig.1
ER25-UM	M32x1.5	42	20	Fig.2
ER32-UM	M40x1.5	50	22.5	Fig.2
ER40-UM	M50x1.5	63	29	Fig.2
ER8-M	M10x0.75	12	12	Fig.3
ER11-M	M13x0.75	16	12	Fig.3
ER16-M	M19x1	22	18	Fig.3
ER20-M	M24x1	28	19	Fig.3
ER25-M	M30x1	35	20	Fig.3
ER25-KM	M32x1.5	42	20	Fig.4
ER32-KM	M40x1.5	50	22.5	Fig.4
ER40-KM	M50x1.5	63	29	Fig.4

◎The coaxiality between the thread and the clamping taper surface is 0.003.

GSK Nut

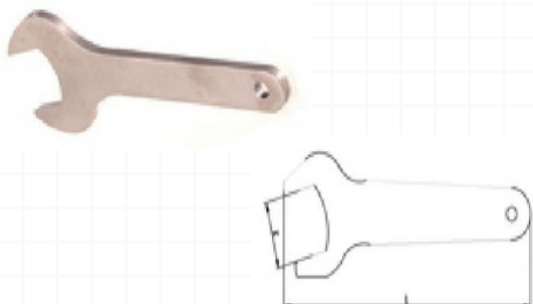
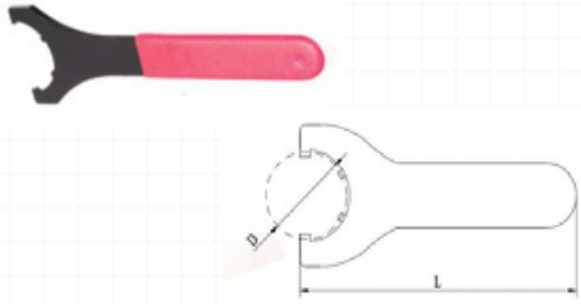
				
Model	Dimension (mm)			FIG
	M	D	L	
GSK06	M15x1	20	15	Fig.1
GSK10	M21.5x1	27	18	Fig.1
GSK16	M32x1.5	40	25	Fig.1
GSK25	M45x1.5	54	32	Fig.1

◎The coaxiality between the thread and the clamping taper surface is 0.003.

Wrench

Tool Holder Wrench

ER Wrench

							
Model	K	L	Nut	Model	D	L	Nut
OW/ER11	17	100	ER11-A	UM/ER25	42	206	ER25-UM
OW/ER16	25	128	ER16-A	UM/ER32	50	253	ER32-UM
OW/ER20	30	138	ER20-A	UM/ER40	63	289	ER40-UM

GSK Wrench

		
Model	D	Nut
OB/SK06	20	GSK06
OB/SK10	27	GSK10
OB/SK16	40	GSK16
OB/SK25	54	GSK25

MLC Special Wrench for Power Collet

		
Model	Body	W.KG
SP-MLC 20	MLC20/HPC20	0.20
SP-MLC 32	MLC32/HPC32	0.30
SP-MLC 42	MLC42/HPC42	0.45



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У ПРОМИСЛОВОМУ РОЗВИТКУ

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