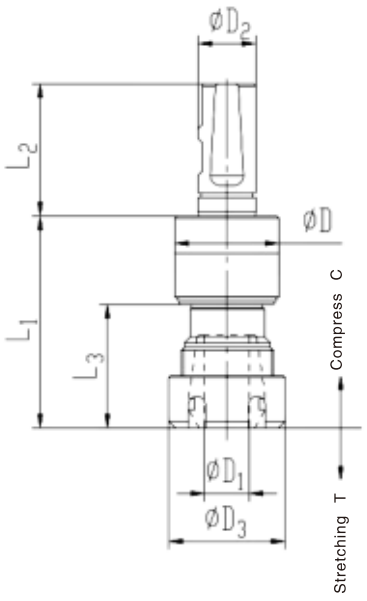
Tool Holder Series







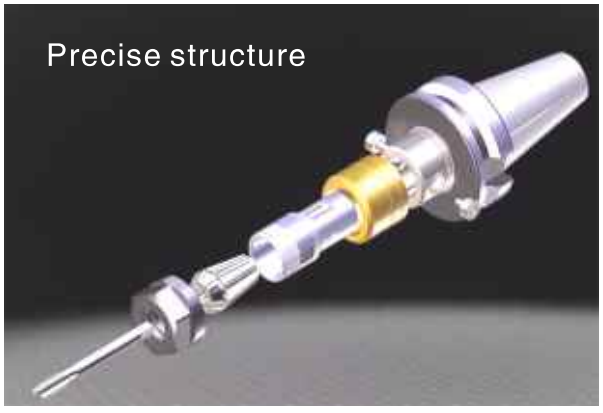
·ERNuts S type for the internal cooling type, A type for the cold type□

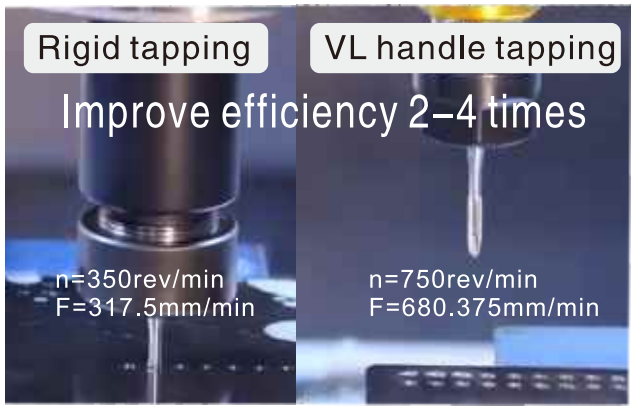
Unit：mm

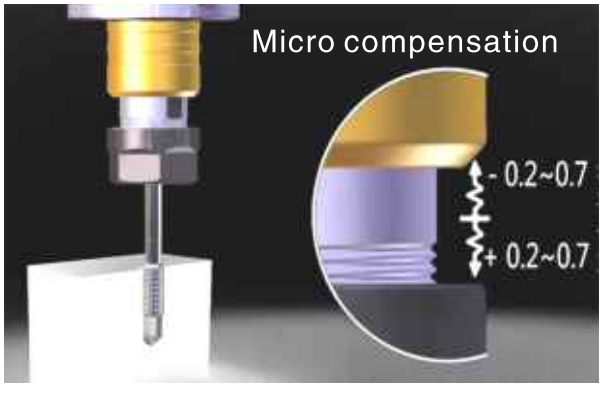
Model	Stock	ERJacket	ϕD	ϕD1	ϕD2	ϕD3	L1	L2	L3	C	T	Applicable taps
VLERS20–C25	●	ER20	58	4.5–10	25	34	65	57	45	0.5	0.5	M4–M12 (Nr.8–7/16)
VLERS32–C25	●	ER32	66	4.5–16	25	50	75	57	51	0.5	0.5	

●Stock ○Availabie upon Order

Characteristic





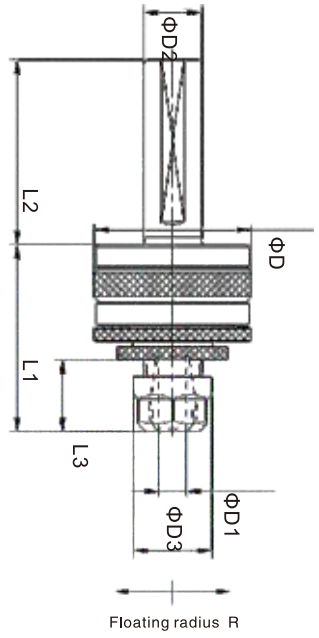




The problem we met usually as below,

1. The size of the hole is bigger ， the accuracy of the hole dimension doesn't meet the requirements.
2. The middle section of the hole is oversized and two ends section are smaller. Cylindricity doesn't meet the requirements
3. The roughness of the hole surface finish can not meet the requirements
4. The reamer is not durable.
5. The straightness of the hole is bad.
6. The quality of the hole machined is not stable when mass production





Unit：mm

Model	Stock	ERJacket	ϕD1	ϕD2	ϕD	ϕD3	L1	L2	L3	R (MAX)
SV-FTER20-D25	●	ER20	3-13	25	68	34	80	80	30	0.5

●Stock ○Availabie upon Order

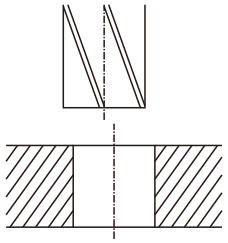
Characteristic

Using "floating reamer holder" , it's special can make the reamer find the center line of the main spindle, by auto floating the reamer in axial and redial direction. by this way the deviation between the center line of the reamer and the center line of the hole to be reamed can be auto compensated.

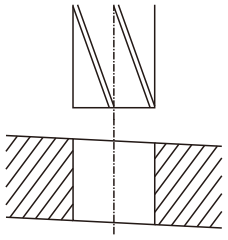
A、By using this floating holder, the reamer in the reaming process can complete the reaming task flexibly, smoothly and evenly, the reamed hole roundness and cylindrical degree can reach to 0.002mm, the roughness can reach to Ra0.2μm.

B、The spindle and center of the reamer in the floating range that can keep coincident with the center of the workpieces all the time. All flutes of the reamer cut evenly and no shock. It can make the life of the reamer longer more than 5 times.

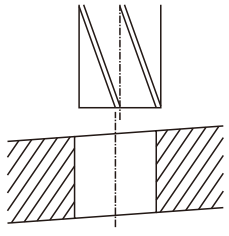
The possible deviation of the reaming process



1、The center line of the pre-processing hole deviated from the center line of the reamer.



2、There is angle between pre-processing hole center and reamer



3、The deviation in picture1 and picture2 are existing at the same time.

Milling Chuck



H005

Apu Drill Chuck Holder



H005

Collet Chuck



H006

SK Collet Chuck



H007

SK Collet Chuck



H008

FMA Face Mill Holder



H009

FMB Mill Holder



H010

SLN Side Lock End Mill Holder



H011

NC



H012

NC



H012

Shrink Chuck



H013

BT Hydrulic Chuck



H014

MX Collet Chuck



H014

TPM



H015

TER



H015

Taper Chuck



H016

SK□-L1



H017

FMB□-L1



H018

SLN□-L1



H019

ER Collet Chuck DIN69893



H020

End Mill Holder Weldon DIN69893



H020

FMB Face Mill Holder



H021

DCLNR/L



H022

DDJNR/L



H022

DDQNR/L

H023

DTGNR/L

H023

DVLNR/L

H024

DVPNR/L

H024

DVVNN

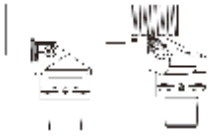
H025

DWLNR/L

H025

SVVBN/SVJBR/L

H026

KGBA/KTNR/L

H027

KGD

H028

Case diagram

H029

Micro compensation tapping tool holder

H030

Floating knife series

H030

ER Collet Chuck Holder

H031

ER Collet

H032

Sealed Collet with Slitting

H032

ER Straight Collet

H033

SC Sealed Collet

H033

SKS Collet

H034

MX Collet

H034

BT Pull Studs

H035

JT Pull Studs

H035

ER Clamping Nuts

H036

Clamping Nuts

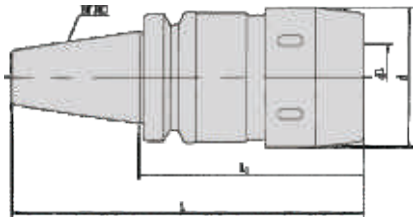
H036

Wrenches

H037

Milling Chuck

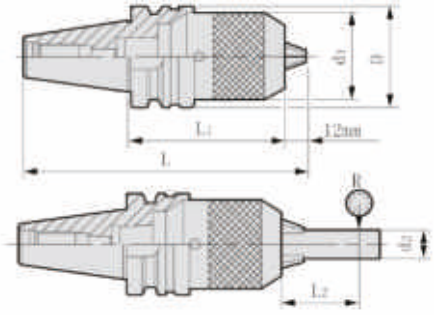




Ordering Code		Stock	d1	d	L1	Draw Bar
BT30	GMC16–80	○	16	45	80	M12
	GMC20–75	●	20	50	80	
	GMC25–90	●	25	55	80	
BT40	GMC16–90	○	16	45	90	M16
	GMC20–80	●	20	50	90	
	GMC25–90	●	25	55	90	
	GMC32–105	●	32	72.5	105	
BT50	GMC32–110	●	32	72.5	110	M24
	GMC32–165	●	32	72.5	150	
	GMC32–200	●	32	72.5	200	
	GMC32–250	●	32	72.5	250	
	GMC32–300	●	32	72.5	300	
	GMC42–110	●	42	82	110	
	GMC42–150	●	42	82	150	
	GMC42–200	●	42	82	200	
	GMC42–250	●	42	82	250	
	GMC42–300	●	42	82	300	

Apu Drill Chuck Holder



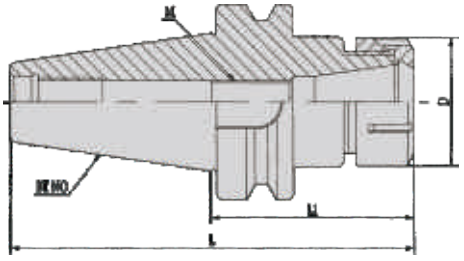


Ordering Code	Stock	L	L1	d
BT30–APU08–80	●	128.4	80	37
BT30–APU13–110	●	148.4	100	49
BT30–APU16–110	●	163.4	115	54
BT40–APU08–85	●	150.4	85	37
BT40–APU13–105	●	170.4	105	49
BT40–APU16–110	●	185.4	120	54
BT50–APU08–90	●	196.8	95	37
BT50–APU13–120	●	221.8	120	49
BT50–APU16–130	○	231.8	130	54
BT50–APU16–165	○	266.8	165	54
BT50–APU16–190	●	291.8	190	54

●Stock ○Availabie upon Order

Collet Chuck





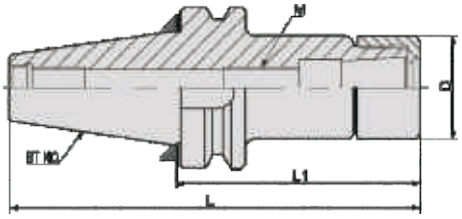
Ordering Code	Stock	Capacity	L	L1	D	Collet	NUT	Wrench
BT30-ER11-60	●	0.5-7	108.4	60	19	ER11	CAN-ER11	W-ER11A
-100			148.4	100	19			
BT30-ER16-60	●	1-10	108.4	60	28	ER16	CAN-ER16	W-ER16A
-100			148.4	100	28			
BT30-ER20-60	●	2-13	108.4	60	34	ER20	CAN-ER20	W-ER20A
-100			148.4	100	34			
BT30-ER25-60	●	2-16	108.4	60	42	ER25	CAUM-ER25	W-ER25UM
-100			148.4	100	42			
BT30-ER32-60	●	3-20	108.4	60	50	ER32	CAUM-ER32	W-ER32UM
-100			148.4	100	50			
BT40-ER11-70	●	0.5-7	135.4	70	19	ER11	CAN-ER11	W-ER11A
-100			165.4	100	19			
BT40-ER16-70	●	1-10	135.4	70	28	ER16	CAN-ER16	W-ER16A
-100			165.4	100	28			
-150			215.4	150	28			
BT40-ER20-70	●	2-13	135.4	70	34	ER20	CAN-ER20	W-ER20A
-100			165.4	100	34			
-150			215.4	150	34			
BT40-ER25-70	●	2-16	135.4	70	42	ER25	CAUM-ER25	W-ER25UM
-100			165.4	100	42			
-150			215.4	150	42			
BT40-ER32-70	●	3-20	135.4	70	50	ER32	CAUM-ER32	W-ER32UM
-100			165.4	100	50			
-150			215.4	150	50			
BT40-ER40-80	●	3-26	135.4	70	63	ER40	CAUM-ER40	W-ER40UM
-100			165.4	100	63			
-150			215.4	150	63			
BT50-ER16-70	●	1-10	171.8	70	28	ER16	CAN-ER16	W-ER16A
-100			201.8	100	28			
-150			251.8	150	28			
BT50-ER20-70	●	2-13	171.8	70	34	ER20	CAN-ER20	W-ER20A
-100			201.8	100	34			
-150			251.8	150	34			
BT50-ER25-70	●	2-16	171.8	70	42	ER25	CAUM-ER25	W-ER25UM
-100			201.8	100	42			
-150			251.8	150	42			
BT50-ER32-70	●	3-20	171.8	70	50	ER32	CAUM-ER32	W-ER32UM
-100			201.8	100	50			
-150			251.8	150	50			
BT50-ER40-80	●	3-26	181.8	80	63	ER40	CAUM-ER40	W-ER40UM
-100			201.8	100	63			
-150			251.8	150	63			
-200			301.8	200	63			

●Stock ○Availabie upon Order

SK Collet Chuck BT □–SK□–L1

◎BT taper shank is in conformity with AT3 standard
◎Concentricity of the inner and outer cone 0.005mm
◎Default balancing design





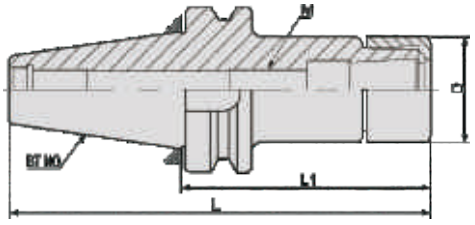
Ordering Code	Stock	Capacity	L	L1	D	Collet	Nut	Wrench
BT30–SK06–60	●	2–6	108.4	60	20	SK06	SK06	OW/SK06 or OB/SK06
–80	●		128.4	80				
BT30–SK10–70	●	2–10	118.4	70	27	SK10	SK10	OW/SK10 or OB/SK10
–95	●		143.4	95				
BT30–SK16–60	●	3–16	108.4	60	40	SK16	SK16	A/38–42 or OB/SK16
–80	●		128.4	80				
–100	●		148.4	100				
BT30–SK25–80	●	6–25.4	128.4	80	54	SK25	SK25	A/45–52 or OB/SK25
BT40–SK06–65	●	2–6	130.4	65	20	SK06	SK06	OW/SK06 or OB/SK06
–85	●		150.4	85				
BT40–SK10–55	●	2–10	120.4	55	27	SK10	SK10	OW/SK10 or OB/SK10
–80	●		145.4	80				
–100	●		165.4	100				
–150	●		215.4	150				
BT40–SK16–55	●	3–16	120.4	55	40	SK16	SK16	A/38–42 or OB/SK16
–80	●		145.4	80				
–100	●		165.4	100				
–150	●		215.4	150				
BT40–SK25–70	●	6–25.4	135.4	70	54	SK25	SK25	A/45–52 or OB/SK25
–95	●		160.4	95				
–110	●		175.4	110				
BT50–SK06–70	●	2–6	171.8	70	20	SK06	SK06	OW/SK06 or OB/SK06
–100	●		201.8	100				
BT50–SK10–100	●	2–10	201.8	100	27	SK10	SK10	OW/SK10 or OB/SK10
–130	●		231.8	130				
–150	●		251.8	150				
BT50–SK16–100	●	3–16	201.8	100	40	SK16	SK16	A/38–42 or OB/SK16
–130	●		231.8	130				
–150	●		251.8	150				
BT50–SK25–100	●	6–25.4	201.8	100	54	Sk25	Sk25	A/45–52 or OB/SK25
–130	●		231.8	130				
–150	●		251.8	150				

●Stock ○Availabie upon Order

SK Collet Chuck BT □–GSK□–L1

◎BT taper shank is in conformity with AT3 standard
◎Concentricity of the inner and outer cone 0.005mm
◎Default balancing design



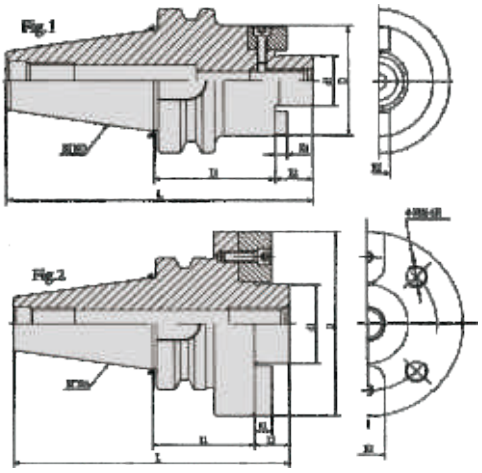


Ordering Code	Stock	Capacity	L	L1	D	Collet	Nut	Wrench
BT30–GSK06–60	●	2–6	108.4	60	20	SK06	GSK06	OB/SK06
–80	●		128.4	80				
BT30–GSK10–70	●	2–10	118.4	70	27	SK10	GSK10	OB/SK10
–95	●		143.4	95				
BT30–GSK16–60	●	3–16	108.4	60	40	SK16	GSK16	OB/SK16
–80	●		128.4	80				
–100	●		148.4	100				
–SK25–80	●	6–25.4	128.4	80	54	SK25	GSK25	OB/SK25
BT40–GSK06–65	●	2–6	130.4	65	20	SK06	GSK06	OB/SK06
–85	●		150.4	85				
BT40–GSK10–55	●	2–10	120.4	55	27	SK10	GSK10	OB/SK10
–80	●		145.4	80				
–100	●		165.4	100				
–150	●		215.4	150				
BT40–GSK16–55	●	3–16	120.4	55	40	SK16	GSK16	OB/SK16
–80	●		145.4	80				
–100	●		165.4	100				
–150	●		215.4	150				
BT40–GSK25–70	●	6–25.4	135.4	70	54	SK25	GSK25	OB/SK25
–95	●		160.4	95				
–110	●		175.4	110				
BT50–GSK06–70	●	2–6	171.8	70	20	SK06	GSK06	OB/SK06
–100	●		201.8	100				
BT50–GSK10–100	●	2–10	201.8	100	27	SK10	GSK10	OB/SK10
–130	●		231.8	130				
–150	●		251.8	150				
BT50–GSK16–100	●	3–16	201.8	100	40	SK16	GSK16	OB/SK16
–130	●		231.8	130				
–150	●		251.8	150				
BT50–GSK25–100	●	6–25.4	201.8	100	54	SK25	GSK25	OB/SK25
–130	●		231.8	130				
–150	●		251.8	150				

●Stock ○Availabie upon Order

FMA Face Mill Holder



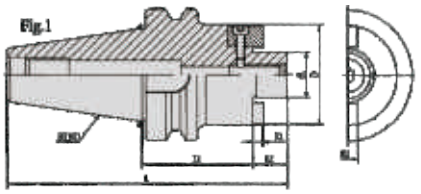


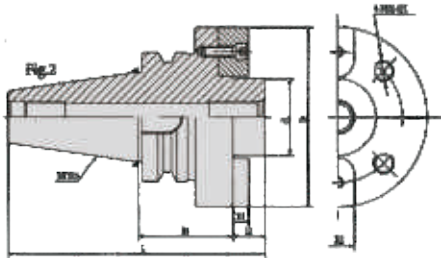
Ordering Code	Stock	Type	d1	D	L	L1	L2	K1	K2
BT30–FMA25.4–45	●	Fig.1	25.40	50	113.4	45	20	4.52	9.52
–60					128.4	60			
BT30–FMA31.75–45	●	Fig.1	31.75	60	115.4	45	22	6.70	12.70
BT40–FMA25.4–45	●	Fig.1	25.40	50	130.4	45	20	4.52	9.52
–60					145.4	60			
–90					175.4	90			
–105					190.4	105			
BT40–FMA31.75–45	●	Fig.1	31.75	60	132.4	45	22	6.70	12.70
–75					162.4	75			
–90					177.4	90			
BT40–FMA38.1–60	●	Fig.1	38.10	75	150.4	60	25	8.87	15.87
BT40–FMA50.8–60	●	Fig.1	50.80	98	161.4	60	36	9.75	19.05
BT50–FMA25.4–45	●	Fig.1	25.40	50	166.8	45	20	4.52	9.52
–90					211.8	90			
–150					271.8	150			
BT50–FMA31.75–45	●	Fig.1	31.75	60	168.8	45	22	6.70	12.70
–75					198.8	75			
–105					228.8	105			
BT50–FMA38.10–45	●	Fig.1	38.10	80	171.8	45	25	8.87	15.87
–75					201.8	75			
BT50–FMA50.80–45	●	Fig.1	50.80	98	182.8	45	36	9.75	19.05
–75					212.8	75			
BT50–FMA47.62–75	●	Fig.1	47.62	128.75	208.8	75	32	12.50	25.40

●Stock ○Availabie upon Order

FMB Mill Holder





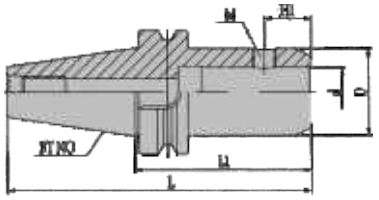


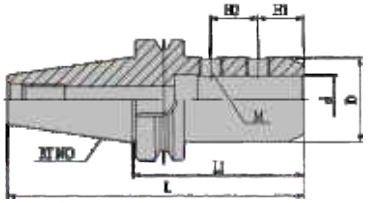
Ordering Code	Stock	Type	d1	d2	D	L	L1	L2	K1	K2	T
BT30-FMB22-45	●	Fig.1	22	26	45	109.9	45	16.5	4.8	10	M10x30
-60						124.9	60				
BT30-FMB27-45	●	Fig.1	27	33	54	111.9	45	18.5	5.8	12	M12x30
-60						126.9	60				
BT30-FMB32-60	●	Fig.1	32	41	58	130.4	60	22	6.8	14	M16x35
BT40-FMB22-45	●	Fig.1	22	26	48	126.9	45	16.5	4.8	10	M10x30
-60						141.9	60				
-100						181.9	100				
-150						231.9	150				
BT40-FMB27-45	●	Fig.1	27	33	60	128.9	45	18.5	5.8	12	M12x30
-60						143.9	60				
-100						183.9	100				
-150						233.9	150				
-200						283.9	200				
BT40-FMB32-60	●	Fig.1	32	41	62	147.9	60	22	6.8	14	M16x35
-100						187.4	100				
-150						237.4	150				
-200						287.4	200				
BT40-FMB40-60	●	Fig.1	40	48	80	150.4	60	25	8	16	M16x35
-100						190.4	100				
-150						240.4	150				
-200						290.4	200				
BT50-FMB22-60	●	Fig.1	22	26	48	178.3	60	16.5	4.8	10	M10x30
-100						218.3	100				
-150						268.3	150				
-200						318.3	200				
BT50-FMB27-60	●	Fig.1	27	33	60	180.3	60	18.5	5.8	12	M12x30
-100						220.3	100				
-150						270.3	150				
-200						320.3	200				
BT50-FMB32-60	●	Fig.1	32	41	73	183.8	60	22	6.8	14	M16x35
-100						223.8	100				
-150						273.8	150				
-200						323.8	200				
BT50-FMB40-60	●	Fig.1	40	48	80	186.8	60	25	8	16	M16x35
-100						226.8	100				
-150						276.8	150				
-200						326.8	200				
BT50-FMB60-75	●	Fig.1	60	-	140	201.8	75	25	12.5	25.4	
-100						226.8	100				

●Stock ○Availabie upon Order

SLN Side Lock End Mill Holder





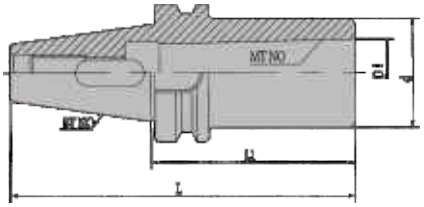


Ordering Code	Stock	Type	L	L1	H1	H2	M	D	d
BT30-SLN6-60	●	Fig.1	108.4	60	18		M6	25	6
BT30-SLN8-60	●	Fig.1					M8	28	8
BT30-SLN10-60	●	Fig.1			20		M10	35	10
BT30-SLN12-60	●	Fig.1			22.5		M12	42	12
BT30-SLN16-75	●	Fig.1	123.4	75	24		M14	48	16
BT30-SLN20-63	●	Fig.1	111.4	63	25		M16	52	20
BT30-SLN20-75	●	Fig.1	123.4	75					
BT30-SLN25-80	●	Fig.2	128.4	80	24	25	M18	65	25
BT30-SLN25-90	●	Fig.2	138.4	90					
BT30-SLN25-100	●	Fig.2	148.4	100					
BT40-SLN6-50	●	Fig.1	115.4	50	18		M6	25	6
BT40-SLN8-50	●	Fig.1					M8	28	8
BT40-SLN10-63	●	Fig.1	128.4	63	20		M10	35	10
BT40-SLN12-63	●	Fig.1			22.5		M12	42	12
BT40-SLN16-63	●	Fig.1			24		M14	48	16
BT40-SLN20-63	●	Fig.1			25		M16	52	20
BT40-SLN25-90	●	Fig.2	155.4	90	24	25	M18	65	25
BT40-SLN25-100	●	Fig.2	165.4	100					
BT40-SLN32-100	●	Fig.2				28	M20	72	32
BT40-SLN40-105	●	Fig.2	170.4	105	30	32		80	40
BT40-SLN42-105	●	Fig.2						82	42
BT50-SLN6-63	●	Fig.1	164.8	63	18		M6	25	6
BT50-SLN8-63	●	Fig.1					M8	28	8
BT50-SLN10-63	●	Fig.1			20		M10	35	10
BT50-SLN12-80	●	Fig.1	181.8	80	22.5		M12	42	12
BT50-SLN16-80	●	Fig.1			24		M14	48	16
BT50-SLN20-80	●	Fig.1			25		M16	52	20
BT50-SLN25-100	●	Fig.2	201.8	100	24	25	M18	65	25
BT50-SLN32-105	●	Fig.2	206.8	105		28	M20	72	32
BT50-SLN40-115	●	Fig.2	216.8	115	30	32		80	40
BT50-SLN42-100	●	Fig.2	221.8	120				82	42

●Stock ○Availabie upon Order

NC Morse Taper Holder(A Type)





Ordering Code	Stock	L	L1	D1	D
BT40-MTA1-45	●	110.4	45	12.065	25
-120	●	185.4	120		
BT40-MTA2-16	●	125.4	60	17.78	32
-120	●	185.4	120		
BT40-MTA3-75	●	140.4	75	23.825	40
-135	●	200.4	135		
BT40-MTA4-95	●	160.4	95	31.267	48
-165	●	230.4	165		
BT50-MTA1-45	●	146.8	45	12.065	25
-120	●	221.8	120		
BT50-MTA2-60	●	161.8	60	17.78	32
-135	●	236.8	135		
BT50-MTA3-75	●	176.8	75	23.825	40
-150	●	251.8	150		
BT50-MTA4-90	●	191.8	90	31.267	48
-180	●	281.8	180		
BT50-MTA5-105	●	211.8	110	44.399	63
-210	●	311.8	210		

NC Morse Taper Holder(B Type)



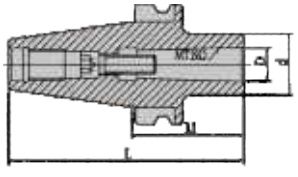


Fig 1

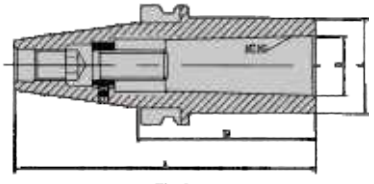


Fig 2

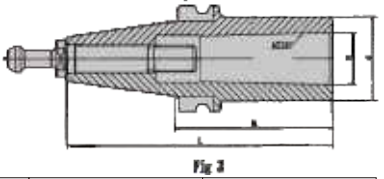


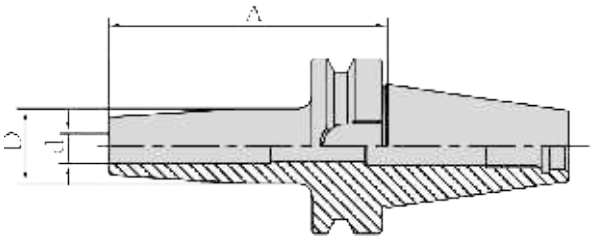
Fig 3

Ordering Code	Stock	Type	L	L1	D	d
BT40-MTB1-45	●	Fig.1	110.4	45	12.065	25
BT40-MTB2-50	●	Fig.1	115.4	50	17.78	32
BT40-MTB3-75	●	Fig.1,3	140.4	75	23.825	40
BT40-MTB4-90	●	Fig.3	155.4	90	31.267	48
BT40-MTB4-95	●	Fig.2	160.4	95	31.267	48
BT50-MTB1-45	●	Fig.1	146.8	45	12.065	25
BT50-MTB2-45	●	Fig.1	146.8	45	17.78	32
BT50-MTB3-60	●	Fig.1	161.8	60	23.825	40
BT50-MTB4-90	●	Fig.1	191.8	90	31.267	48
BT50-MTB5-120	●	Fig.2	221.8	120	44.399	63

●Stock ○Availabie upon Order

Shrink Chuck



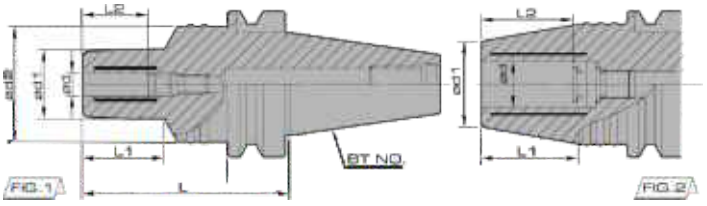


Ordering Code	Stock	d	A	D	D1	l1	l2
BT30–SRC6–90	○	6	90	24	32	41	10
BT30–SRC8–90	○	8	90	24	32	47	10
BT30–SRC10–90	○	10	90	27	34	47	10
BT30–SRC12–90	○	12	90	27	34	50	10
BT30–SRC14–90	○	14	90	33	42	50	10
BT30–SRC16–90	○	16	90	33	42	52	10
BT40–SRC6–90	●	6	90	21	27	36	10
BT40–SRC8–90	●	8	90	21	27	36	10
BT40–SRC10–90	●	10	90	24	32	41	10
BT40–SRC12–90	●	12	90	24	32	47	10
BT40–SRC14–90	●	14	90	27	34	47	10
BT40–SRC16–90	●	16	90	27	34	50	10
BT40–SRC18–90	●	18	90	33	42	50	10
BT40–SRC20–90	○	20	90	33	42	52	10
BT40–SRC25–100	○	25	100	44	53	58	10
BT40–SRC32–100	○	32	100	44	53	58	10
BT50–SRC4–100	○	4	100	14	22	20	5
BT50–SRC5–100	○	5	100	16	22	20	5
BT50–SRC6–100	○	6	100	21	27	36	10
BT50–SRC8–100	○	8	100	21	27	36	10
BT50–SRC10–100	○	10	100	24	32	41	10
BT50–SRC12–100	○	12	100	24	32	47	10
BT50–SRC14–100	○	14	100	27	34	47	10
BT50–SRC16–100	○	16	100	27	34	50	10
BT50–SRC18–110	○	18	110	33	42	50	10
BT50–SRC20–110	○	20	110	33	42	52	10
BT50–SRC25–120	○	25	120	44	53	58	10
BT50–SRC32–120	○	32	120	44	53	62	10

●Stock ○Availabie upon Order

BT Hydrulic Chuck

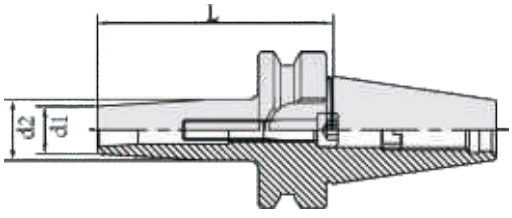




Ordering Code	Stock	Size(mm)					
		dm	D1	D2	L1	L	
BT30–HC06–80	○	06	28	50	35	80	–
BT30–HC08–80	○	08	30	50	35	80	–
BT30–HC10–80	○	10	32	50	35	80	–
BT30–HC12–90	●	12	35	50	43	90	HC12
BT30–HC16–95	●	16	38	50	51	95	–
BT30–HC20–95	●	20	42	50	52	95	HC20
BT40–HC06–85	○	06	28	50	35	85	–
BT40–HC08–85	○	08	30	50	35	85	–
BT40–HC10–85	○	10	32	50	35	85	–
BT40–HC12–90	●	12	35	50	43	90	HC12
BT40–HC16–95	●	16	38	50	51	95	–
BT40–HC20–95	●	20	42	50	52	95	HC20
BT40–HC25–115	●	25	57	70	63	115	–
BT50–HC12–100	●	12	35	50	43	100	HC12
BT50–HC16–105	●	16	38	50	51	105	–
BT50–HC20–105	●	20	42	50	52	105	HC20
BT50–HC25–120	●	25	57	70	63	120	–
BT50–HC32–120	●	32	64	70	65	120	HC32

MX Collet Chuck



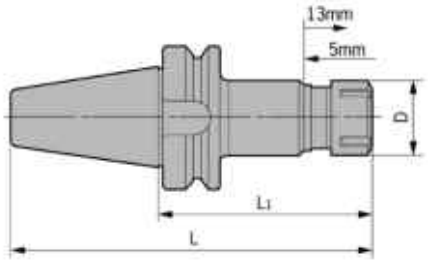


Ordering Code	Stock	Clamping Range	L	L1	D	
BT30–MX8–90	○	2–8	90	36	20	MX8
BT30–MX12–105	○	4–12	105	35	30	MX12
BT40–MX8–85	○	2–8	85	36	20	MX8
BT40–MX8–120	○	2–8	120	43	20	MX8
BT40–MX12–90	○	4–12	90	35	30	MX12
BT50–MX8–105	○	2–8	105	40	20	MX8
BT50–MX8–135	○	2–8	135	43	20	MX8
BT50–MX8–165	○	2–8	165	43	20	MX8
BT50–MX12–105	○	4–12	105	35	30	MX12

●Stock ○Availabie upon Order

TER Tension And Compression Taper Holder BT □-TER □-L1

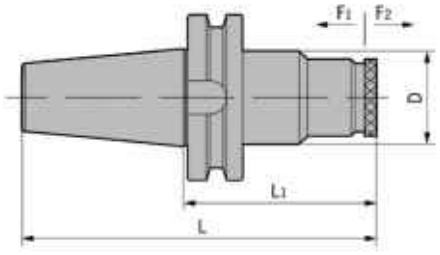




Ordering Code	Stock	L	L1	D	Range	Suitable Collet
BT30-TER16-75	●	123.4	75	28	M3-M10	ER16
BT30-TER20-90	●	138.4	90	34	M3-M10	ER20
BT40-TER16-120	●	185.4	120	28	M3-M10	ER16
BT40-TER20-100	●	165.4	100	34	M3-M17	ER20
BT40-TER32-120	●	185.4	120	50	M3-M20	ER32
BT50-TER16-120	●	221.8	120	28	M3-M10	ER16
BT50-TER20-100	●	201.8	100	24	M3-M17	ER20
BT50-TER32-120	●	221.8	120	50	M3-M20	ER32

TPM Quick Change Tension And Compression Taper Holder BT □-TPM □





Ordering Code	Stock	L	L1	d	Range	Expansion Capaci	
						F1	F2
BT30-TPM316	●	162	111.6	50	M3-16	6	12
BT40-TPM316	●	168	101	50	M3-16	6	12
BT40-TPM830	○	208	141	66	M8-M30	12.5	12.5
BT50-TPM316	●	222.8	118	50	M3-16	6	12
BT50-TPM830	●	235	130.2	66	M8-M30	12.5	12.5

●Stock ○Availabie upon Order

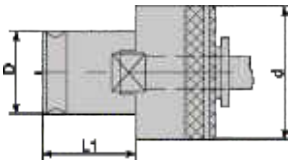
Taper Chuck BT □–L1 □–C

Technical specifications



Model	Stock	d	D	L1	Range
TPM316	●	32	19	21.5	M3–M16
TPM830	●	51.5	31	36	M8–M22

Taper chuck specifications table



TPC316

JIS	Φd	□	ISO	Φd	□	DIN371	Φd	□	DIN376	Φd	□
TPC316 M03 W1/8	4	3.2	TPC316 M03	3.15	2.5	TPC316 M03	3.5	2.7	TPC316 M03	2.2	–
TPC316 M04	5	4	TPC316 M04	4	3.15	TPC316 M04	4.5	3.4	TPC316 M04	2.8	2.1
TPC316 M05 W3/16	5.5	4.5	TPC316 M05	5	4	TPC316 M05	6	4.9	TPC316 M05	3.5	2.7
TPC316 M06 W1/4	6	4.5	TPC316 M06	6.3	5	TPC316 M06	6	4.9	TPC316 M06	4.5	3.4
TPC316 M08	6.2	5	TPC316 M08	8	6.3	TPC316 M08	8	6.2	TPC316 M08	6	4.9
TPC316 M10 W3/8	7	5.5	TPC316 M10	10	8	TPC316 M10	10	8	TPC316 M10	7	5.5
TPC316 M12	8.5	6.5	TPC316 M12	9	7.1				TPC316 M12	9	7
TPC316 M14	10.5	8	TPC316 M14	11.2	9				TPC316 M14	11	9
TPC316 M16	12.5	10	TPC316 M16	12.5	10				TPC316 M16	12	9
TPC316 W5/16	6.1	5									
TPC316 W7/16 PT1/8	8	6									
TPC316 W1/2	9	7									
TPC316 W5/8	12	9									
TPC316 PT1/4	11	9									

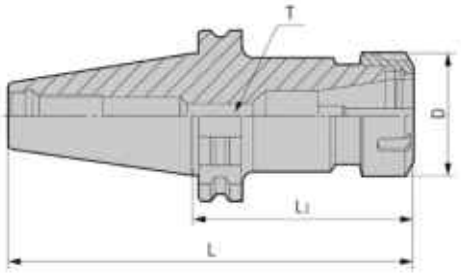
TPC830

JIS	Φd	□	ISO	Φd	□	DIN371	Φd	□	DIN376	Φd	□
TPC830 M08	6.2	5	TPC830 M08	8		TPC830 M08	8	6.2	TPC830 M08	6	4.9
TPC830 M10 W3/8	7	5.5	TPC830 M10	10		TPC830 M10	10	8	TPC830 M10	7	5.5
TPC830 M12	8.5	6	TPC830 M12	9					TPC830 M12	9	7
TPC830 M14	10.5	8	TPC830 M14	11.2					TPC830 M14	11	9
TPC830 M16	12.5	10	TPC830 M16	12.5					TPC830 M16	12	9
TPC830 M18 W3/4 PT3/8	14	11	TPC830 M18	14					TPC830 M18	14	11
TPC830 M20	15	12	TPC830 M20	14					TPC830 M20	16	12
TPC830 M22 W7/8	17	13	TPC830 M22	16					TPC830 M22	18	14.5
TPC830 M24	19	15	TPC830 M24	18					TPC830 M24	18	14.5
TPC830 M27 W1 PT5/8	20	15	TPC830 M27	20					TPC830 M27	20	16
TPC830 M30 PT3/4	23	17	TPC830 M30	20					TPC830 M30	22	18
TPC830 W5/16	6.1	5	TPC830 PT1/2	16							
TPC830 W7/16 PT1/8	8	6									
TPC830 M1/2	9	7									
TPC830 W5/8	12	9									
TPC830 PT1/4	11	9									
TPC830 PT1/2	18	14									

●Stock ○Availabie upon Order

Stock Collet Chuck BT □–SK□–L1



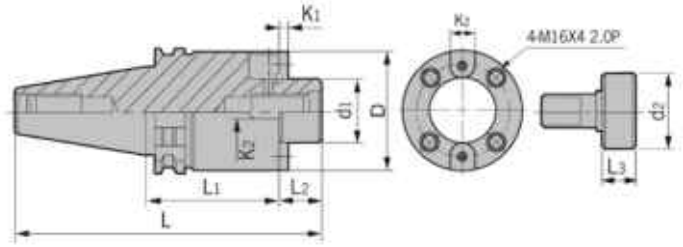


Ordering Code	Stock	Capacity	L	L1	D	Collet	Nut	Wrench
SK40–ER11–70	●	0.5–7	138.4	70	19	ER11	ER11–A	OW/ER11
–100	●		168.4	100	19			
SK40–ER16–70	●	1–10	138.4	70	28	ER16	ER16–A	OW/ER16
–100	●		168.4	100	28			
–150	●		218.4	150	28			
SK40–ER20–70	●	2–13	138.4	70	34	ER20	ER20–A	OW/ER20
–100	●		168.4	100	34			
–150	●		218.4	150	34			
SK40–ER25–70	●	2–16	138.4	70	42	ER25	ER25–UM	UW/ER25
–100	●		168.4	100	42			
–150	●		218.4	150	42			
SK40–ER32–70	●	3–20	138.4	70	50	ER32	ER32–UM	UW/ER32
–100	●		168.4	100	50			
–150	●		218.4	150	50			
SK40–ER40–80	●	3–26	148.4	80	63	ER40	ER40–UM	UW/ER40
–100	●		168.4	100	63			
–150	●		218.4	150	63			
SK50–ER16–70	●	1–10	171.8	70	28	ER16	ER16–A	OW/ER16
–100	●		201.8	100	28			
–150	●		251.8	150	28			
SK50–ER20–70	●	2–13	171.8	70	34	ER20	ER20–A	OW/ER20
–100	●		201.8	100	34			
–150	●		251.8	150	34			
SK50–ER25–70	●	2–16	171.8	70	42	ER25	ER25–UM	UW/ER25
–100	●		201.8	100	42			
–150	●		251.8	150	42			
SK50–ER32–70	●	3–20	171.8	70	50	ER32	ER32–UM	UW/ER32
–100	●		201.8	100	50			
–150	●		251.8	150	50			
SK50–ER40–80	●	3–26	171.8	80	63	ER40	ER40–UM	UW/ER40
–100	●		201.8	100	63			
–150	●		251.8	150	63			
–200	●		301.8	200	63			

●Stock ○Availabie upon Order

SK Shank Face Mill Holder SK □–FMB□–L1





Ordering Code	Stock	d1	d2	D	L	L1	L2	K1	K2	T
SK40–FMB22–45	●	22	26	48	129.9	45	16.5	4.8	10	M10X30
–60	●				144.9	60				
–100	●				184.9	100				
–150	●				234.9	150				
SK40–FMB27–45	●	27	33	60	131.9	45	18.5	5.8	12	M12X30
–60	●				146.9	60				
–100	●				186.9	100				
–150	●				236.9	150				
–200	●				286.9	200				
SK40–FMB32–60	●	32	41	62	150.4	60	22	6.8	14	M16X35
–100	●				190.4	100				
–150	●				240.4	150				
–200	●				290.4	200				
SK40–FMB40–60	●	40	48	80	153.4	60	25	8	16	M16X35
–100	●				193.4	100				
–150	●				243.4	150				
–200	●				293.4	200				
SK50–FMB22–60	●	22	26	48	178.25	60	16.5	4.8	10	M10X30
–100	●				218.25	100				
–150	●				268.25	150				
–200	●				318.25	200				
SK50–FMB27–60	●	27	33	60	180.25	60	18.5	5.8	12	M12X30
–100	●				220.25	100				
–150	●				270.25	150				
–200	●				320.25	200				
SK50–FMB32–60	●	32	41	73	183.75	60	22	6.8	14	M16X35
–100	●				223.75	100				
–150	●				273.75	150				
–200	●				333.75	200				
SK50–FMB40–60	●	40	48	80	186.75	60	25	8	16	M16X35
–100	●				226.75	100				
–150	●				276.75	150				
–200	●				326.75	200				

Note:1.When order center cooling or flangecooling,please specify.

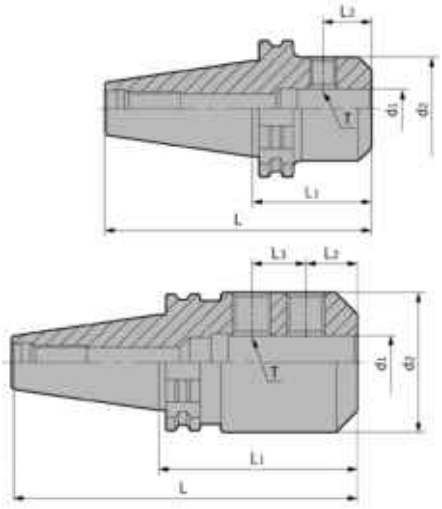
●Stock ○Availabie upon Order

SK Shank SLN Side Lock End Mill Holder
SK □–SLN□–L1

◎SK taper shank is in conformity with At3 standard
◎Tolerance H5 for inner bore d
◎Default balancing design

DIN68971/DIN1835





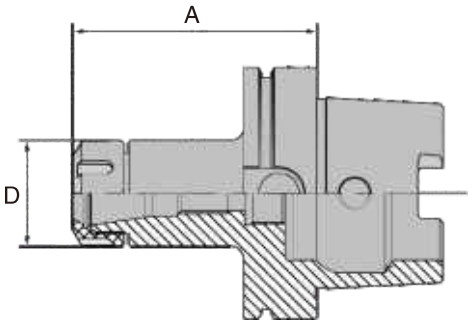
Ordering Code	Stock	Type	L	L1	H1	H2	M	D	d
SK30–SLN6–50	●	Fig.1	97.8	50	18	–	M6	25	6
SK30–SLN8–50	●	Fig.1					M8	28	8
SK30–SLN10–50	●	Fig.1			20		M10	35	10
SK30–SLN12–50	●	Fig.1			22.5		M12	42	12
SK30–SLN16–63	●	Fig.1	110.8	63		–	M14	48	16
SK30–SLN20–63	●	Fig.1					M16	52	20
SK40–SLN6–50	●	Fig.1	118.4	50	18	–	M6	25	6
SK40–SLN8–50	●	Fig.1					M8	28	8
SK40–SLN10–50	●	Fig.1			20		M10	35	10
SK40–SLN12–50	●	Fig.1			22.5		M12	42	12
SK40–SLN16–63	●	Fig.1	131.4	63	24	–	M14	48	16
SK40–SLN20–63	●	Fig.1			25		M16	52	20
SK40–SLN25–100	●	Fig.2	168.4	100	24	25	M18	65	25
SK40–SLN32–100	●	Fig.2			24	28	M20	72	32
SK50–SLN6–63	●	Fig.1	164.75	63	18	–	M6	25	6
SK50–SLN8–63	●	Fig.1					M8	28	8
SK50–SLN10–63	●	Fig.1			20		M10	35	10
SK50–SLN12–63	●	Fig.1			22.5		M12	42	12
SK50–SLN16–63	●	Fig.1			24		M14	48	16
SK50–SLN20–63	●	Fig.1			25		M16	52	20
SK50–SLN25–80	●	Fig.2	181.75	80	24	25	M18	65	25
SK50–SLN32–100	●	Fig.2	201.75	100		28	M20	72	32
SK50–SLN40–100	●	Fig.2			30	32	M20	90	40
SK50–SLN42–100	●	Fig.2			30	32	M20	100	42

Note:1.We can provide dynamic balabce G6.3/12000rpm,Price would be advanced.

●Stock ○Availabie upon Order

ER Collet Chuck DIN69893

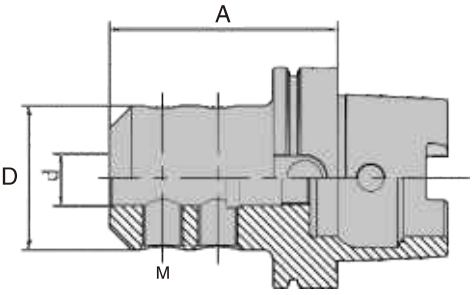




Ordering Code	Stock	Capacity	A	D	
HSK63A-ER16-100	●	1-10	100	32	ER16
HSK63A-ER20-100	●	1-12	100	38	ER20
HSK63A-ER25-100	●	2-16	100	42	ER25
HSK63A-ER32-100	●	2-20	100	50	ER32
HSK63A-ER16-160	●	1-10	160	32	ER16
HSK63A-ER20-160	●	1-12	160	38	ER20
HSK63A-ER25-160	●	2-16	160	42	ER25
HSK63A-ER32-160	●	2-20	160	50	ER32
HSK100A-ER32-100	●	2-20	100	50	ER32

End Mill Holder Weldon DIN69893



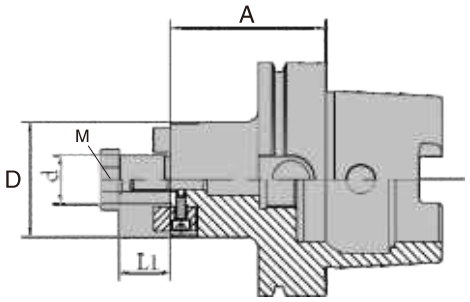


Ordering Code	Stock	d	A	D	M
HSK63A-SLA16-80	●	16	80	48	M14
HSK63A-SLA20-80	●	20	80	52	M16
HSK63A-SLA25-110	●	25	110	65	M18
HSK63A-SLA32-110	●	32	110	72	M20
HSK63A-SLA40-125	●	40	125	80	M20
HSK100A-SLA16-100	●	16	100	48	M14
HSK100A-SLA20-100	●	20	100	52	M16
HSK100A-SLA25-100	●	25	100	65	M18
HSK100A-SLA32-100	●	32	100	72	M20
HSK100A-SLA40-105	●	40	105	80	M20

●Stock ○Availabie upon Order

FMB Face Mill Holder

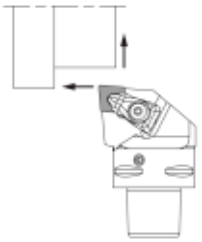


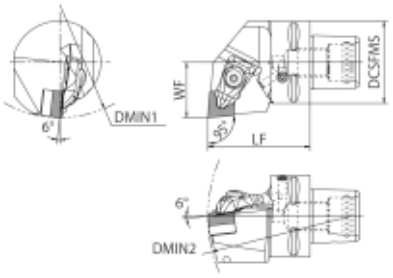


Ordering Code	Stock	d	A	L1	D	M
HSK50-FMB16-50	●	16	50	17	38	M8X30
HSK50-FMB22-60	●	22	60	19	48	M10X30
HSK50-FMB27-60	●	27	60	21	58	M12X30
HSK50-FMB32-60	●	32	60	24	78	M16X35
HSK63-FMB16-50	●	16	50	17	38	M8X30
HSK63-FMB22-50	●	22	50	19	48	M10X30
HSK63-FMB27-60	●	27	60	21	58	M12X30
HSK63-FMB32-60	●	32	60	24	78	M16X35
HSK63-FMB40-60	●	40	60	27	88	M16X35
HSK63-FMB16-100	●	16	100	17	38	M8X30
HSK63-FMB22-100	●	22	100	19	48	M10X30
HSK63-FMB27-100	●	27	100	21	58	M12X30
HSK63-FMB32-100	●	32	100	24	78	M16X35
HSK63-FMB40-100	●	40	100	27	88	M16X35
HSK80-FMB22-50	●	22	50	19	48	M10X30
HSK80-FMB27-50	●	27	50	21	58	M12X30
HSK80-FMB32-60	●	32	60	24	78	M16X35
HSK80-FMB40-60	●	40	60	27	88	M16X35
HSK100-FMB22-50	●	22	50	19	48	M10X30
HSK100-FMB27-50	●	27	50	21	58	M12X30
HSK100-FMB32-50	●	32	60	24	78	M16X35
HSK100-FMB40-60	●	40	60	27	88	M16X35
HSK100-FMB60-70	●	60	70	40	130	M16X35

●Stock ○Availabie upon Order

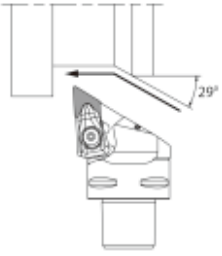
DCLNR/L

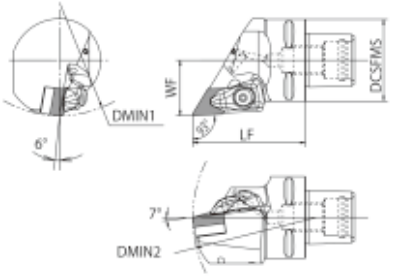




Ordering Code	Stock		Dimensions/mm					Insert	Pad	Pin	Pressing plate	Screw	Screw	Wrench
	R	L	DCSFMS	LF	WF	DMIN1	DMIN2							
C3-DCLNR/L22070-12A	●	●	32	70	22	60	121	CN**1204	CN-1204	DXD0614	DYB2413A	ZZM0616	TH0810	L3.0 L4.0
C4-DCLNR/L27075-12A	●	●	40	75	27	110	140							
C5-DCLNR/L35080-12A	●	●	50	80	35	110	165							
C6-DCLNR/L45100-12A	●	●	63	100	45	110	180							
C8-DCLNR/L55110-12A	●	●	80	110	55	110	200							

DDJNR/L

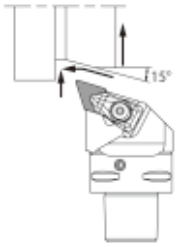


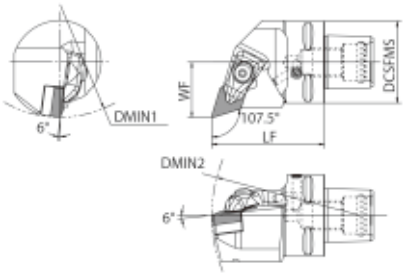


Ordering Code	Stock		Dimensions/mm					Insert	Pad	Pin	Pressing plate	Screw	Screw	Wrench
	R	L	DCSFMS	LF	WF	DMIN1	DMIN2							
C3-DDJNR/L22070-1504A	●	●	32	70	22	110	121	DN**1504	DN-1506	DXD0614	DYB3113	ZZM0616	TH0810	L4.0 L3.0
C4-DDJNR/L27075-1504A	●	●	40	75	27	110	145							
C5-DDJNR/L35080-1504A	●	●	50	80	35	110	165							
C6-DDJNR/L45100-1504A	●	●	63	100	45	110	180							
C8-DDJNR/L55110-1504A	●	●	80	100	55	110	200							

●Stock ○Availabie upon Order

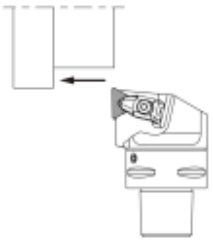
DDQNR/L

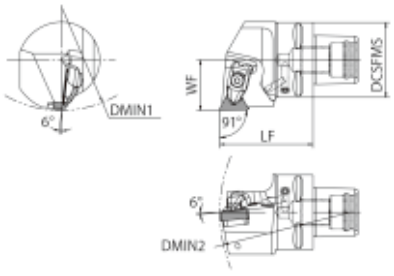




Ordering Code	Stock		Dimensions/mm					Insert	Pad	Pin	Pressing plate	Screw	Screw	Wrench
	R	L	DCSFMS	LF	WF	DMIN1	DMIN2							
C3-DDQNR/L22070-1504A	●	●	32	70	22	110	121	DN**1504	DN-1506	DXD0614	DYB3113	ZZM0616	TH0810	L4.0 L3.0
C4-DDQNR/L27075-1504A	●	●	40	75	27	110	145							
C5-DDQNR/L35080-1504A	●	●	50	80	35	110	165							
C6-DDQNR/L45100-1504A	●	●	63	100	45	110	180							
C8-DDQNR/L55110-1504A	●	●	80	110	55	110	200							

DTGNR/L

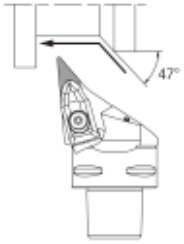


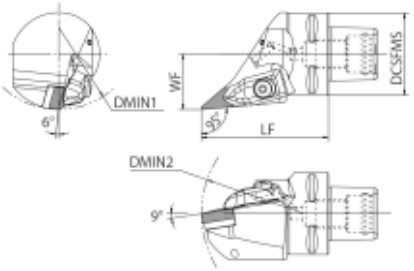


Ordering Code	Stock		Dimensions/mm					Insert	Pad	Pin	Pressing plate	Screw	Screw	Wrench
	R	L	DCSFMS	LF	WF	DMIN1	DMIN2							
C3-DTGNR/L22070-16A	●	●	32	70	22	110	116	TN**1604	TN-1603	DXD0512	DYB2413B	ZZM0616	TH0810	L2.5 L4.0
C4-DTGNR/L27075-16A	●	●	40	75	27	110	140							
C5-DTGNR/L35080-16A	●	●	50	80	35	110	165							
C6-DTGNR/L45100-16A	●	●	63	100	45	110	180							
C8-DTGNR/L55110-16A	●	●	80	110	55	110	200							

●Stock ○Availabie upon Order

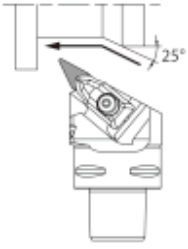
DVLNR/L

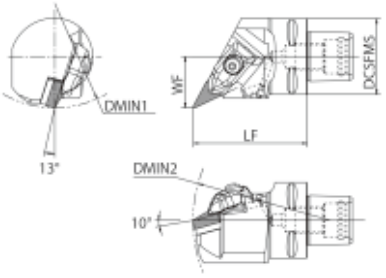




Ordering Code	Stock		Dimensions/mm					Insert	Pad	Pin	Pressing plate	Screw	Wrench
	R	L	DCSFMS	LF	WF	DMIN1	DMIN2						
C3-DVLNR/L22058-16A	●	●	32	78	22	80	100	VN**1604	VN-1603	DXD0512	DYB3113	ZZM0616	L2.5 L4.0
C4-DVLNR/L27062-16A	●	●	40	82	27	80	100						
C5-DVLNR/L35065-16A	●	●	50	85	35	80	100						
C6-DVLNR/L45100-16A	●	●	63	100	45	80	120						
C8-DVLNR/L55110-16A	●	●	80	110	55	80	120						

DVPNR/L

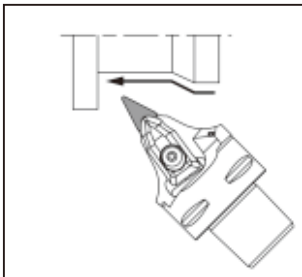


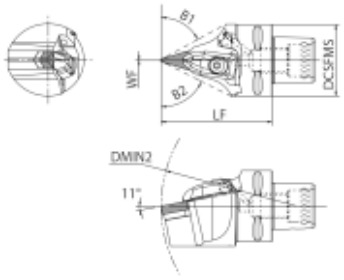


Ordering Code	Stock		Dimensions/mm					Insert	Pad	Pin	Pressing plate	Screw	Wrench
	R	L	DCSFMS	LF	WF	DMIN1	DMIN2						
C3-DVPNR/L22078-16A	●	●	32	78	22	110	130	VN**1604	VN-1603	DXD0512	DYB3113	ZZM0616	L2.5 L4.0
C4-DVPNR/L27082-16A	●	●	40	82	27	110	145						
C5-DVPNR/L35085-16A	●	●	50	85	35	110	165						
C6-DVPNR/L45100-16A	●	●	63	100	45	110	180						
C8-DVPNR/L55110-16A	●	●	80	110	55	110	200						

●Stock ○Availabie upon Order

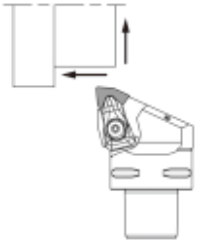
DVVNN

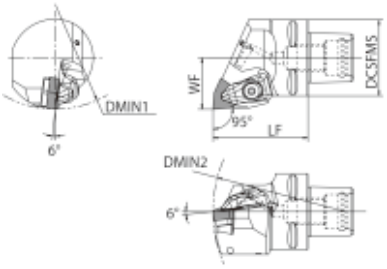




Ordering Code	Stock		Dimensions/mm						Insert	Pad	Pin	Pressing plate	Screw	Wrench
	R	L	DCSFMS	LF	WF	B1	B2	DMIN2						
C3-DVVNN00078-16A	●	●	32	78	0	68	68	140	VN**1604	VN-1603	DXD0512	DYB3113	ZZM0616	L2.5 L4.0
C4-DVVNN00082-16A	●	●	40	82	0	61	63	152						
C5-DVVNN00085-16A	●	●	50	85	0	59	59	170						
C6-DVVNN00100-16A	●	●	63	100	0	58	58	180						
C8-DVVNN00110-16A	●	●	80	110	0	57	57	200						

DWLNR/L

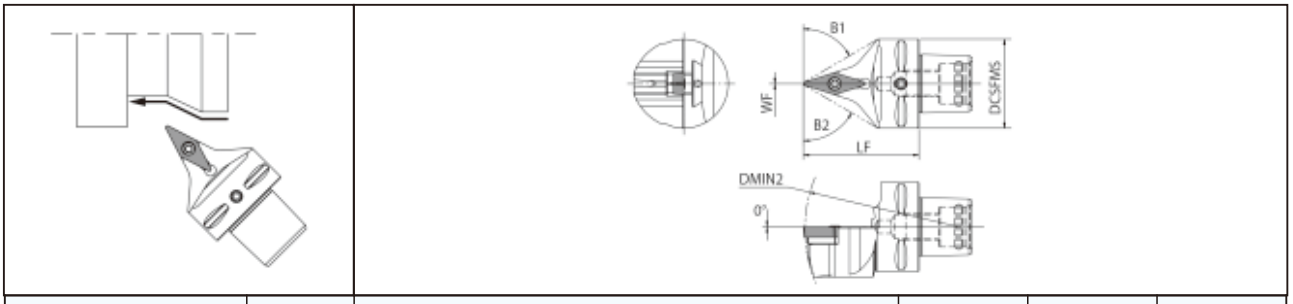




Ordering Code	Stock		Dimensions/mm					Insert	Pad	Pin	Pressing plate	Screw	Screw	Wrench
	R	L	DCSFMS	LF	WF	DMIN1	DMIN2							
C3-DWLNR/L22070-08A	●	●	32	70	22	110	121	WN**0804	WN-0804	DXD0614	DYB2413A	ZZM0616	TH0810	L3.0 L4.0
C4-DWLNR/L27075-08A	●	●	40	75	27	110	140							
C5-DWLNR/L35080-08A	●	●	50	80	35	110	165							
C6-DWLNR/L45110-08A	●	●	63	100	45	110	180							
C8-DWLNR/L55110-08A	●	●	80	110	55	110	200							

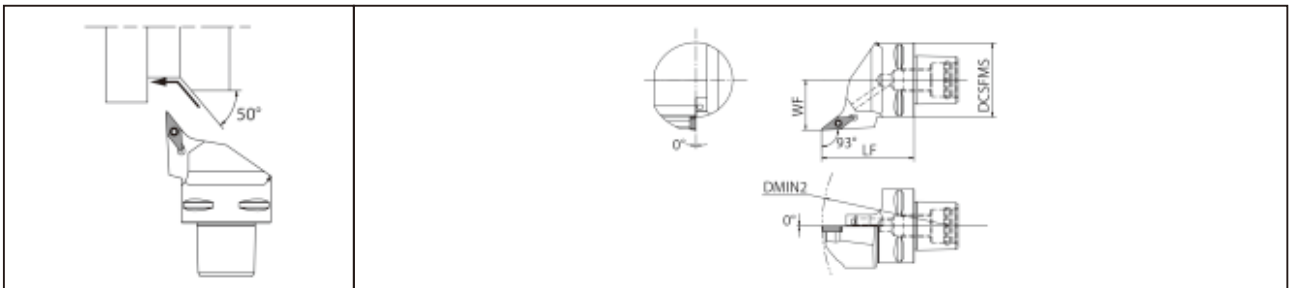
●Stock ○Availabie upon Order

SVVBN



Ordering Code	Stock		Dimensions/mm						Insert	Screw	Wrench
	R	L	DCSFMS	LF	WF	B1	B2	DMIN2			
C3-SVVBN00078-16A	●	●	32	78	0	62	62	116	VB**1604	MT3.5*8	FT-15
C4-SVVBN00082-16A	●	●	40	82	0	59	59	140			
C5-SVVBN00085-16A	●	●	50	85	0	56	56	165			
C6-SVVBN00100-16A	●	●	63	100	0	55	55	180			
C8-SVVBN00110-16A	●	●	80	110	0	54	54	200			

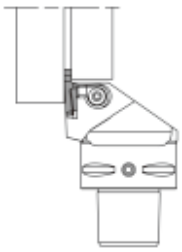
SVJBR/L

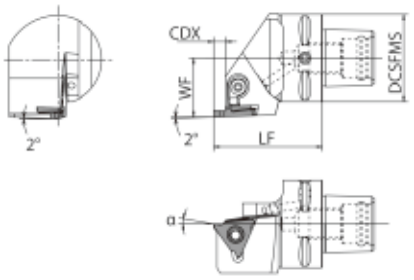


Ordering Code	Stock		Dimensions/mm					Insert	Screw	Wrench
	R	L	DCSFMS	LF	WF	DMIN1	DMIN2			
C3-SVJBR/L22070-16A	●	●	32	70	22	-	116	VB**1604	MT3.5*8	FT-15
C4-SVJBR/L27075-16A	●	●	40	75	27	-	140			
C5-SVJBR/L35080-16A	●	●	50	80	35	-	165			
C6-SVJBR/L45100-17A	●	●	63	100	45	-	180			
C8-SVJBR/L55110-18A	●	●	80	110	55	-	200			

●Stock ○Availabie upon Order

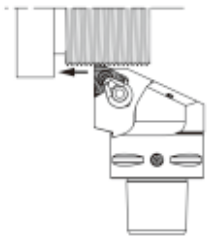
KGBA

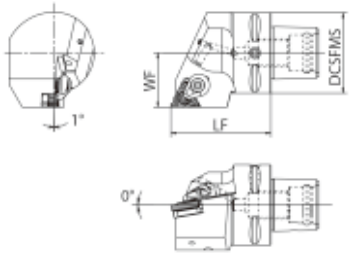




Ordering Code	Stock		Dimensions/mm				Insert	Screw	Wrench
	R	L	DCSFMS	LF	WF	CDX			
C3-KGBAR/L22070-16	●	●	32	70	22	2.5	GBA32***	MT3.5*8	FT-15
C4-KGBAR/L27075-16	●	●	40	75	27				
C5-KGBAR/L35080-16	●	●	50	80	35				
C6-KGBAR/L45100-16	●	●	63	100	45				
C8-KGBAR/L55110-16	●	●	80	110	55				
C3-KGBAR/L22070-2225	●	●	32	70	22	5.5	GBA43***	MT4*12	FT-15 L4.0
C4-KGBAR/L27075-2225	●	●	40	75	27				
C5-KGBAR/L35080-2225	●	●	50	80	35				
C6-KGBAR/L45100-2225	●	●	63	100	45				
C8-KGBAR/L55110-2225	●	●	80	110	55				

KTNR/L

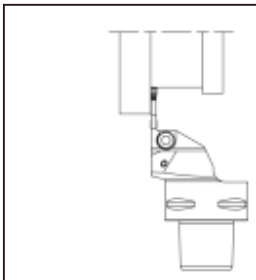


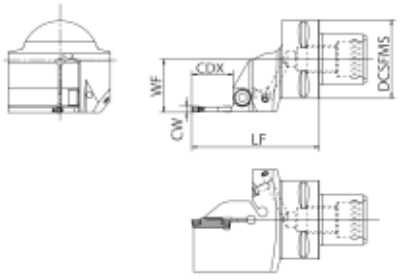


Ordering Code	Stock		Dimensions/mm			Insert	Pad	Screw	Screw	Screw	Screw	Wrench
	R	L	DCSFMS	LF	WF							
C3-KTNR/L22060-16	●	●	32	60	22	16ER/L	DP16ER/L	MC0308	MT3.5*12	MYB1814	ST0625	L3.0 FT-15
C4-KTNR/L27070-16	●	●	40	70	27							
C5-KTNR/L35080-16	●	●	50	80	35							
C6-KTNR/L45100-16	●	●	63	100	45							
C8-KTNR/L55110-16	●	●	80	110	55							

●Stock ○Availabie upon Order

KGD





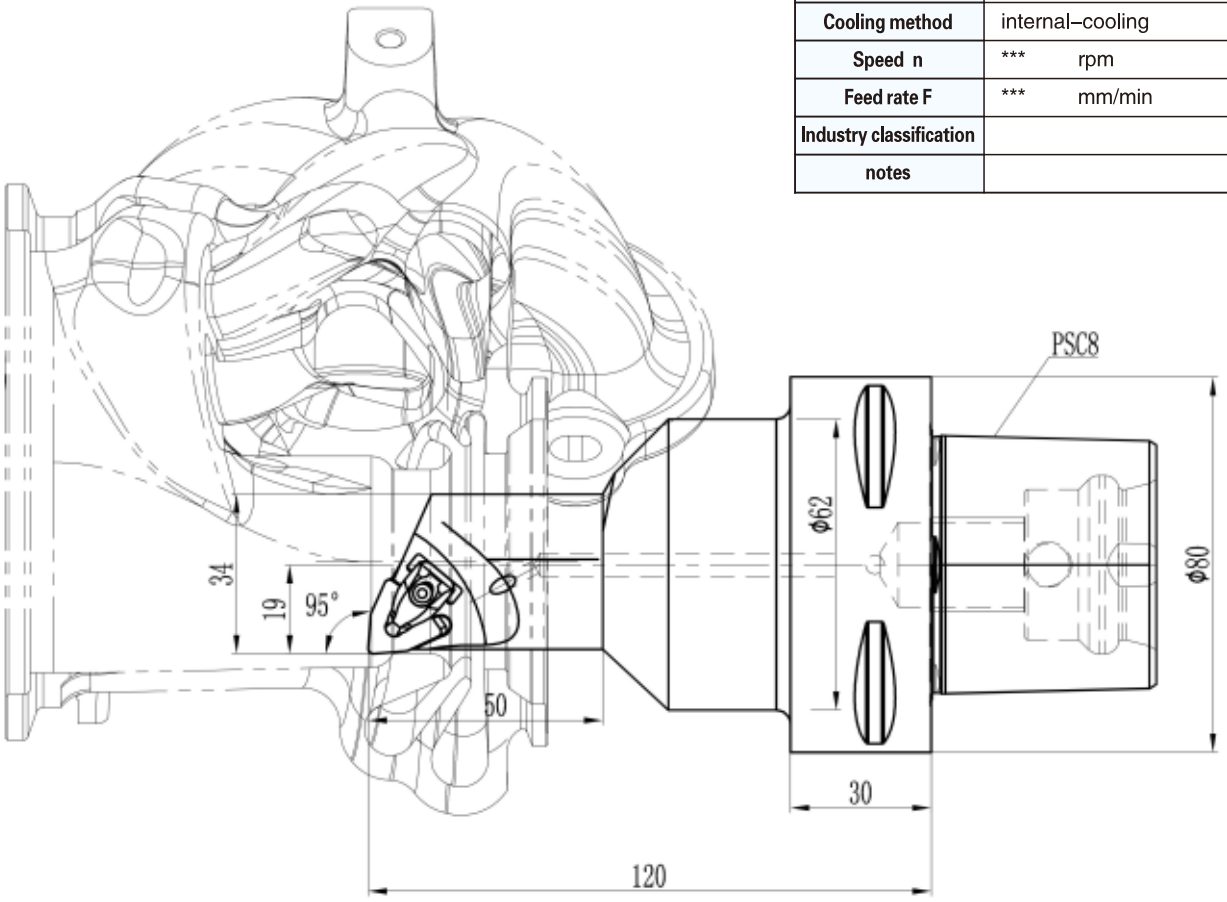
Ordering Code	Stock		Dimensions/mm					Insert	Screw	Wrench
	R	L	DCSFMS	LF	WF	CDX	CW			
C3-KGDR/L22070-2T10	●	●	32	70	22	10	2.0	MGMN200	NLJ0520	L4.0
C4-KGDR/L27075-2T10	●	●	40	75	27					
C5-KGDR/L35080-2T10	●	●	50	80	35					
C6-KGDR/L45100-2T10	●	●	63	100	45					
C8-KGDR/L55110-2T10	●	●	80	110	55					
C3-KGDR/L22070-2T17	●	●	32	70	22	17				
C4-KGDR/L27075-2T17	●	●	40	75	27					
C5-KGDR/L35080-2T17	●	●	50	80	35					
C6-KGDR/L45100-2T17	●	●	63	100	45					
C8-KGDR/L55110-2T17	●	●	80	110	55					
C3-KGDR/L22070-3T10	●	●	32	70	22	10	3.0	MGMN300		
C4-KGDR/L27075-3T10	●	●	40	75	27					
C5-KGDR/L35080-3T10	●	●	50	80	35					
C6-KGDR/L45100-3T10	●	●	63	100	45					
C8-KGDR/L55110-3T10	●	●	80	110	55					
C3-KGDR/L22070-3T20	●	●	32	70	22	20				
C4-KGDR/L27075-3T20	●	●	40	75	27					
C5-KGDR/L35080-3T20	●	●	50	80	35					
C6-KGDR/L45100-3T20	●	●	63	100	45					
C8-KGDR/L55110-3T20	●	●	80	110	55					
C3-KGDR/L22070-4T10	●	●	32	70	22	10	4.0	MGMN400		
C4-KGDR/L27075-4T10	●	●	40	75	27					
C5-KGDR/L35080-4T10	●	●	50	80	35					
C6-KGDR/L45100-4T10	●	●	63	100	45					
C8-KGDR/L55110-4T10	●	●	80	110	55					
C4-KGDR/L27070-4T25	●	●	40	75	27	25				
C5-KGDR/L35070-4T25	●	●	50	80	35					
C6-KGDR/L45100-4T25	●	●	63	100	45					
C8-KGDR/L55110-4T25	●	●	80	110	55					
C4-KGDR/L27080-5T17	●	●	40	80	27	17	5.0	MGMN500		
C5-KGDR/L35080-5T17	●	●	50	80	35					
C6-KGDR/L45100-5T17	●	●	63	100	45					
C8-KGDR/L55110-5T17	●	●	80	110	55					

●Stock ○Availabie upon Order

Case diagram

OP10-T01:Heavy bore

Workpiece name	volute
Workpiece model	879608
Workpiece material	Heat–Resisting Stainless Steels
Cooling method	internal–cooling
Speed n	*** rpm
Feed rate F	*** mm/min
Industry classification	
notes	

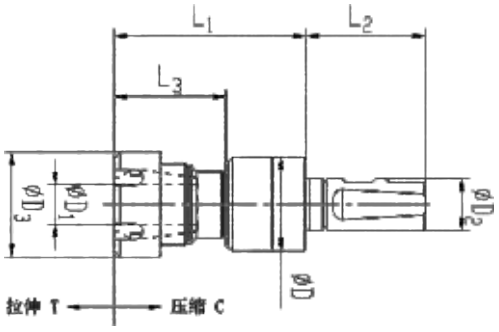




●Stock ○Availabie upon Order

Micro compensation tapping tool holder series





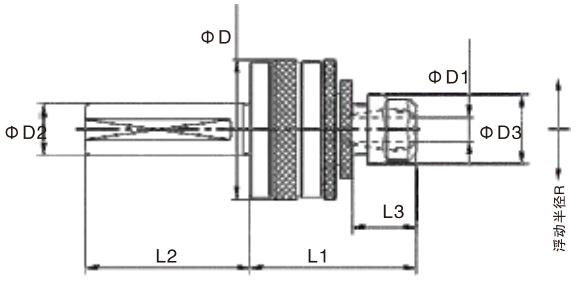
·ERNuts S type for the internal cooling type, A type for the cold type

Unit：mm

Ordering Code	Stock	ERJacket	ϕD	ϕD1	ϕD2	ϕD3	L1	L2	L3	C	T	Applicable taps
VLERS20–C25	●	ER20	58	4.5–10	25	34	65	57	45	0.5	0.5	M4–M12 (Nr.8–7/16)
VLERS32–C25	●	ER32	66	4.5–16	25	50	75	57	51	0.5	0.5	

Floating knife series





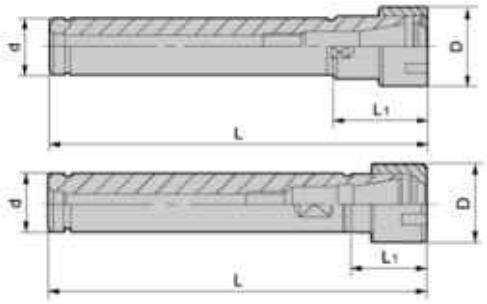
Unit：mm

Ordering Code	Stock	ERJacket	ϕD1	ϕD2	ϕD	ϕD3	L1	L2	L3	R (MAX)
SV–FTER20–D25	●	ER20	3–13	25	68	34	80	80	30	0.5

●Stock ○Availabie upon Order

ER Collet Chuck Holder



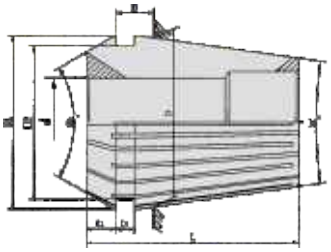


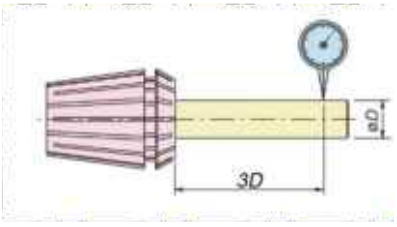
Ordering Code	Stock	D	d	L1	L	Nut	Wrench	Collet
C8–ER8M–55	●	12	8	24	79	CNM–ER08	ER08	ER08
C10–ER8M–180	●	12	10	17	197			
C12–ER8M–120	●	12	12	17	137			
C12–ER8M–180	●			17	197			
C12–ER11M–80	●	16	12	26.5	106.5	CNM–ER11	ER11M	ER11
C16–ER11M–100	●	16	16	18.5	118.5			
C16–ER11M–140	●	16	16	18.5	158.5			
C16–ER16M–80	●	23	16	37	117	CNM–ER16	ER16M	ER16
C20–ER16M–100	●	23	20	25	125			
C20–ER16M–160	●	23	20	25	185			
C20–ER20M–100	●	28	20	40	140	CNM–ER20	ER20M	ER20
C20–ER20M–150	●	28	20	40	190			
C20–ER20M–180	●	28	20	40	220			
C25–ER20M–140	●	28	25	28	168			
C20–ER25M–100	●	35	20	40	140	CNM–ER25	ER25M	ER25
C20–ER16–100	●	28	20	30	130	CAN–ER16	ER16A	ER16
C20–ER16–150	●	28	20	30	180			
C20–ER20–100	●	34	20	36	136	CAN–ER20	ER20A	ER20
C20–ER20–150	●	34	20	36	186			
C20–ER20–170	●	34	20	36	206			
C20–ER25–100	●	42	20	46	146	CAN–ER25	ER25UM	ER25
C20–ER25–150	●	42	20	46	196			
C25–ER16–100	●	28	25	30	130	CAN–ER16	ER16A	ER16
C25–ER16–150	●	28	25	30	180			
C25–ER20–150	●	34	25	36	186	CAN–ER20	ER20A	ER20
C25–ER25–100	●	42	25	46	146	CAN–ER25	ER25UM	ER25
C25–ER25–150	●	42	25	46	196			
C25–ER32–80	●	50	25	54	134	CAUM–ER32	ER32UM	ER32
C32–ER25–60	●	42	32	46	106	CAUM–ER25	ER25UM	ER25
C32–ER32–100	●	50	32	54	154	CAUM–ER32	ER32UM	ER32
C32–ER40–100	●	63	32	55	155	CAUM–ER40	ER40UM	ER40
C40–ER32–100	●	50	40	54	154	CAUM–ER32	ER32UM	ER32
C40–ER40–100	●	63	40	55	155	CAUM–ER40	ER40UM	ER40

●Stock ○Availabie upon Order

ER Collet



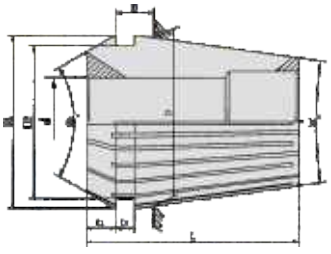


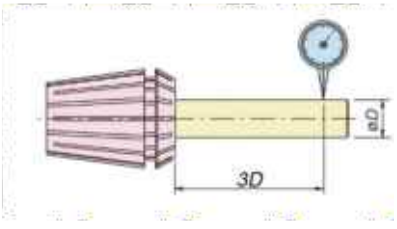


Ordering Code	Stock	DH7	D	D1	D2	L	L1	L2	L3	Elastic shrinkage
ER8	●	1.0–5.0	8	8.45	6.5	13.5	2.98	1.5	1.2	0.5
ER11	●	1.0–7.0	11	11.5	9.5	18	3.8	2.5	2	0.5
ER16	●	1.0–2.5	16	17	13.8	27.5	27.5	4	2.7	0.5
		2.5–10.0	16	17	13.8	27.5	27.5	4	2.7	1
ER20	●	1.0–2.5	20	21	17.4	31.5	31.5	4.8	2.8	0.5
		2.5–13.0	20	21	17.4	31.5	31.5	4.8	2.8	1
ER25	●	1.0–2.5	25	26	22	34	34	5	3.1	0.5
		2.5–16.0	25	26	22	34	34	5	3.1	1
ER32	●	2.0–2.5	32	33	29.2	40	40	5.5	3.6	0.5
		2.5–20.0	32	33	29.2	40	40	5.5	3.6	1
ER40	●	3.0–26.0	40	41	36.2	46	46	7	4.1	1
ER50	●	6.0–10.0	50	52	46	60	60	8.5	5.5	1
		10.0–34.0	50	52	46	60	60	8.5	5.5	2

Sealed Collet with Slitting







Ordering Code	Stock	DH7	D	D1	D2	L	L1	L2	L3	Elastic shrinkage
SER16	●	3.0–10.0	16	17	13.8	27.5	27.5	4	2.7	1
SER20	●	3.0–13.0	20	21	17.4	31.5	31.5	4.8	2.8	1
SER25	●	3.0–16.0	25	26	22	34	34	5	3.1	1
SER32	●	3.0–20.0	32	33	29.2	40	40	5.5	3.6	1
SER40	●	3.0–26.0	40	41	36.2	46	46	7	4.1	1

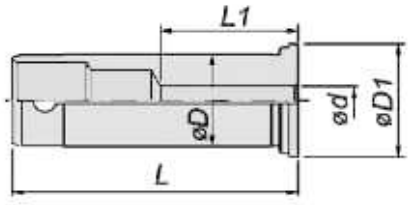
Clamping dianetrer	At the 4*D times the diameter of the clamping tool accuracy class			
J02308	ER	ER–A	ER–AA	ER–AA
J02311	0.02	0.01	0.006	0.003

According to the model number when ordering requirements plus accuracy class;
example:ER32–**AA

●Stock ○Availabie upon Order

ER Straight Collet





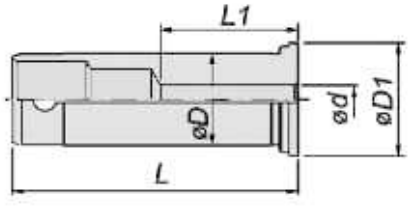
Ordering Code	Stock	Size(mm)	
		D	d
C20–06	●	20	6
C20–08	●		8
C20–10	●		10
C20–12	●		12
C20–16	●		16
	●		
	●		
	●		

Model	Stock	Size(mm)	
		D	d
C32–06	●	32	6
C32–08	●		8
C32–10	●		10
C32–12	●		12
C32–16	●		16
C32–20	●		20
C32–25	●		25
	●		

Ordering Code	Stock	Size(mm)	
		D	d
C42–06	●	42	6
C42–08	●		8
C42–10	●		10
C42–12	●		12
C42–16	●		16
C42–20	●		20
C42–25	●		25
C42–32	●		32

SC Sealed Collet





Ordering Code	Stock	Size(mm)	
		D	d
SC20–06	●	20	6
SC20–08	●		8
SC20–10	●		10
SC20–12	●		12
SC20–16	●		16
	●		
	●		
	●		

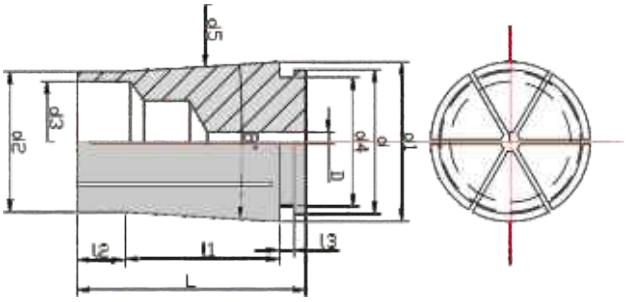
Model	Stock	Size(mm)	
		D	d
SC32–06	●	32	6
SC32–08	●		8
SC32–10	●		10
SC32–12	●		12
SC32–16	●		16
SC32–20	●		20
SC32–25	●		25
	●		

Ordering Code	Stock	Size(mm)	
		D	d
SC42–06	●	42	6
SC42–08	●		8
SC42–10	●		10
SC42–12	●		12
SC42–16	●		16
SC42–20	●		20
SC42–25	●		25
SC42–32	●		32

●Stock ○Availabie upon Order

SKS Collet



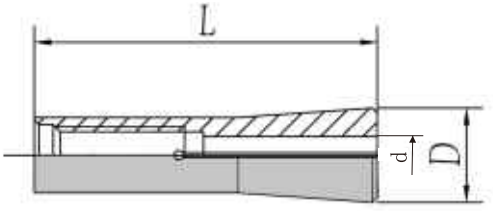


Ordering Code	Stock	L	l1	l2	l3	d	d1	d2	d3	d4	d5
SK06	●	25.7	17.5	4	2.4	9.26	10.5	7.5	6	7.8	9.964
SK10	●	32	22	5	2.5	13.7	15.6	12	10	12	15.013
SK16	●	46	32	8	2.8	21	24.6	18.8	16	19	23.939
SK25	●	58	43	8.5	3.6	31	35.6	28.9	25.5	28.2	35.029

Ordering Code	D
SK06	2,2.5,3,3.5,4,4.5,5,5.5,6
SK10	2,2.5,3,3.5,4,4.5,5,5.5,6,6.5,7,7.5,8,8.5,9,9.5,10
SK16	3,3.5,4,4.5,5,5.5,6,6.5,7,7.5,8,8.5,9,9.5,10,10.5,11,11.5,12,12.5,13,13.5,14,14.5,15,15.5,16
SK25	6,8,10,12,14,16,16.5,17,17.5,18,18.5,19,19.5,20, 20.5,21,21.5,22,22.5,23,23.5,24,24.5,25

MX Collet



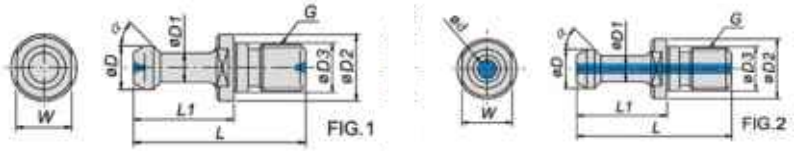


Ordering Code	Stock	d	Standard	P Class	D	L
MX6–2,3,4,5,6,3.175	●	2–6	0.005	0.003	9.6	36
MX8–3,4,5,6,8	●	3–8	0.005	0.003	15	45
MX10–3,4,5,6,8,10	●	3–10	0.005	0.003	16	52
MX12–3,4,5,8,10,12	●	3–12	0.005	0.003	22	57

●Stock ○Availabie upon Order

BT Pull Studs

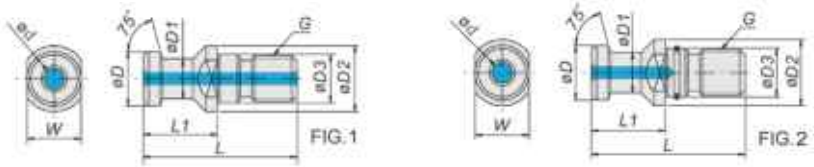




Ordering Code	Figure	Stock	D	D1	D2	D3	L	L1	a	G	W
BT30–45°	Fig.1	●	11	7	16.5	12.5	43	23	45°	M12	13
BT30–60°		●							60°		
BT40–45°		●	15	10	23	17	60	35	45°	M16	19
BT40–60°		●							60°		
BT40–90°		●							90°		
BT50–45°		●	23	17	38	25	85	45	45°	M24	30
BT50–60°		●									
BT50–90°		●									
BT40–45° –S	Fig.2	●	15	10	23	17	60	35	45°	M16	19
BT40–60° –S		●							60°		
BT40–90° –S		●							90°		
BT50–45° –S		●	23	17	38	25	85	45	45°	M24	30
BT50–60° –S		●									
BT50–90° –S		●									

JT Pull Studs





Ordering Code	Figure	Stock	D	D1	D2	D3	d	L	L1	W	G
SK40–A	Fig.1	●	19	14	23	17	7	54	26	19	M16
SK50–A		●	28	21	36	25	11.5	74	34	30	M24
SK40–B	Fig.2	●	19	14	23	17	7	54	26	19	M16
SK50–B		●	28	21	36	25	11.5	74	34	30	M24

●Stock ○Availabie upon Order

ER Clamping Nuts(DIN6499)

ER–M M Type Clamping Nuts

Part NO.	M	Fig.	ØD	L	Max.Tightening Torque Nm
CNM–ER08	M10*0.75P	1	12	10.8	10
CNM–ER11	M13*0.75P		16	12	30
CNM–ER16	M19*1.00P		22	18	70
CNM–ER20	M24*1.00P		28	19	100



Fig.1



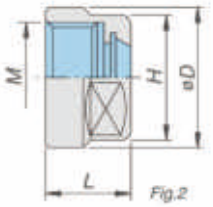


Fig.2



ER–SH High Speed Balanced Clamping Nuts

Part NO.	M	Fig.	ØD	L	H	Max.Tightening Torque Nm
CAN–ER11	M14*0.75P	2	19	11.3	17	30
CAN–ER16	M22*1.50P		28	17.5	25	70
CAN–ER20	M25*1.50P		34	19	30	100
CAUM–ER16	M22*1.50P	3	32	17	–	70
CAUM–ER20	M25*1.50P		35	19		100
CAUM–ER25	M32*1.50P		42	20		130
CAUM–ER32	M40*1.50P		50	23		170
CAUM–ER40	M50*1.50P		63	25		220

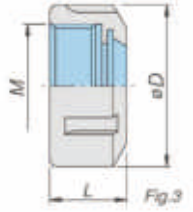


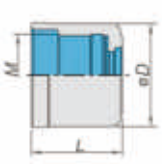
Fig.3



Clamping Nuts

NR Nuts

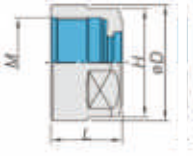
Part NO.	M	ØD	L	Max.Tightening Torque Nm
GSK 06	M15.5*1.00P	20.0	21.5	30
GSK 10	M21.5*1.00P	27.1	24	40
GSK 16	M32.0*1.50P	40.0	31	60
GSK 25	M45.0*1.50P	55.0	37.5	100





NR–WD Nuts

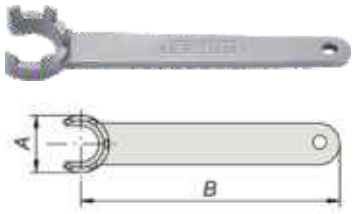
Part NO.	M	ØD	H	L	Max.Tightening Torque Nm
SK 10M	M21.5*1.00P	27.5	25.4	17	40
SK 16M	M32.0*1.50P	40.0	–	24	60



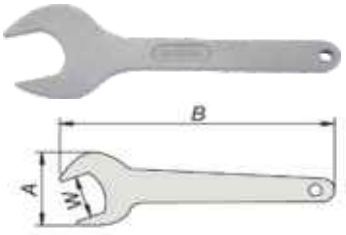


Wrenches

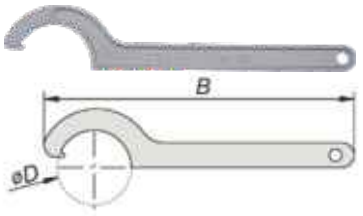
Part N0.	A	B	Nuts
W-ER 8M	12.8	75	CNM-ER08
W-ER 11M	16.8	90	CNM-ER11
W-ER 16M	22.8	110	CNM-ER16
W-ER 20M	29	120	CNM-ER20



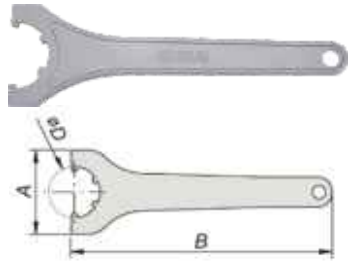
Part N0.	A	B	W	Nuts
W-ER 11A	32	95	17	CAN-ER11
W-ER 16A	44	145	25	CAN-ER16
W-ER 20A	52	170	30	CAN-ER20



Part N0.	∅D	B	Nuts
W-FK 04	Φ30-Φ33	135	ER16GM
W-FK 05	Φ34-Φ36	160	ER20GM
W-FK 06	Φ40-Φ42	170	NR16/ER25SH/NR16WD
W-FK 07	Φ44-Φ49	195	ER25GM
W-FK 08	Φ52-Φ55	210	C20/ER32SH
W-FK 09	Φ58-Φ62	230	CTH25/ER40SH/C25
W-FK 10	Φ68-Φ75	245	CTH32/C32
W-FK 11	Φ80-Φ93	270	ARH42



Part N0.	∅D	A	B	Nuts
W-ER 25UM	42	65	210	CAUM-ER25
W-ER 32UM	50	75	250	CAUM-ER32
W-ER 40UM	63	90	290	CAUM-ER40
W-ER 50UM	80	110	355	CAUM-ER50



High Speed Tooling Wrenches

Part N0.	∅D	B	Nuts
W-SK06	19.7	118	SK06
W-SK10	27.7		SK10
W-SK16	40	155	SK16
W-SK20	48	212	SK20
W-SK25	55		SK25

