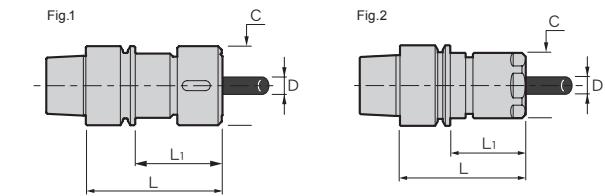


The other holders

COLLET HOLDER (CTH/CTS)



CODE	Fig.	φD	L	φC	L1	 Kg
E32-CTH10-55	1	2.4 ~ 10	55	32	35	0.2
-CTS10-50 (※)	2		50	26	30	
E40-CTH10-55	1		55	32	35	0.4
E50-CTH10-60			60	36	34	0.7
-90			90		64	0.9
-CTH20-75			5.8 ~ 20	75	50	49
F63-CTH10-60	1	2.4 ~ 10	60	36	34	0.9
-90			90		64	1.1
-CTH20-75		5.8 ~ 20	75	50	49	

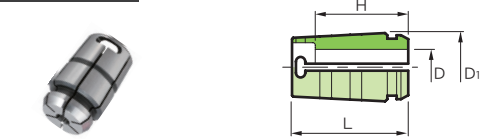
- Option

●Spring collet

●Spanner
- Caution

●※=It cannot use collapsibility of a collet.
The holding diameter applies only to the reference diameter of collet.

Spring collet



CODE	ϕD	L	ϕD_1	H	Holder type
Precision Collet					
C10-D-P	2.6 ~ 5.8 (0.2mm steps)	26	17.2	18	CTH10
	6 ~ 10 (0.2mm steps)			20	
C20-D-P	6 ~ 9.8 (0.2mm steps)	50	29.5	29	CTH20
	10 ~ 15.8 (0.2mm steps)			33	
	16 ~ 20 (0.2mm steps)			40	

Spanner / Wrench

Fig.1

Fig.2

CODE	Fig.	Shank type	R	L
FC-32	1	E32 - CTH10	16	120
		E40 - CTH10		
		F63 - CTH10	18	208
		- CTH20	25	281
RC-26	2	E32 - CTS10	—	240

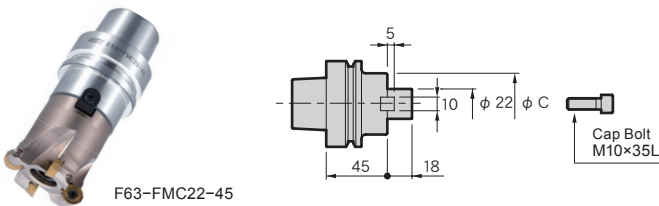
Accuracy

Runout accuracy	Nominal shank size
Precision Collet	5 μ m

※Accuracy of collet alone

D	L
~ 10	4 × D
10.2 ~ 20	40

Face Mill Arbor (FMC)



CODE	Cutter dia	ϕC	Kg
E50-FMC22-45	50 , 63	42	0.7
F63-FMC22-45		45	1.0

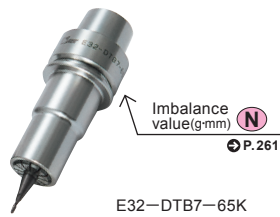
- Std. Access.

●Cap Bolt

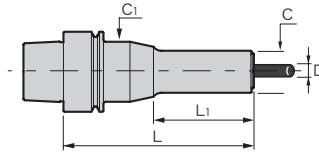
●Stopper Key
- Note

●The cap bolt may differ depending upon the shape of the cutter.

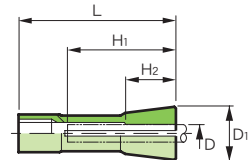
DETa-1 Collet Holder (DTA / DTB)



E32-DTB7-65K



DETa-1 Collet



CODE	ϕD	L	ϕC	L1	Kg	(N)
E25 -DTB 3- 58	0.5 ~ 3.175	58	10	27	0.1	0.4
E32 -DTA 3- 75	0.5 ~ 3.175	75	10	27	0.2	1.8
-DTB 3- 65		65			0.2	0.6
-DTB 7- 65K※	1 ~ 7		21	33		0.9
E40 -DTA 3- 75	0.5 ~ 3.175	75	10	27	0.2	1.7
-DTB 3- 70		70			0.3	0.9
-DTB 7- 95	1 ~ 7	95	21	50	0.4	1.6
DTB12-110	2.5 ~ 13	110	30	90	0.5	2.8
E50 -DTA 3- 80	0.5 ~ 3.175	80	10	27	0.5	2.1
-DTB 3- 75		75				1.7
-DTB 7-100	1 ~ 7	100	21	50	0.6	3.2
-DTB12-115	2.5 ~ 13	115	30	89	0.8	4.2
F63 -DTA 3- 90	0.5 ~ 3.175	90	10	27	0.8	2.3
-120		120			0.9	2.7
-DTB 3- 75		75			0.7	2.1
-105		105			0.8	2.5
-105L				57	0.7	2.1
F63M-DTB 7-100	1 ~ 7	100	21	50	0.9	3.3
-DTB12-120	2.5 ~ 13	120	30	70	1.1	4.8

■Option *DETa-1 Collet *Wrench

■Std.Access. *Rod(DTA3)

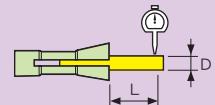
■Caution *※=It cannot use collapsibility of a collet. The holding diameter applies only to the reference diameter of collet.
*HSK-E and F shank don't come with a coolant duct and cannot be attached. Consult us if you need it.

CODE	ϕD	Collapsibility	$\phi D1$	L	H1	H2	Holder type
Precision Collet							
D 3- 0.6-P	0.5 ~ 0.6	0.1	7	40	36	6.9	DTA 3
- 0.8-P	0.6 ~ 0.8	0.2					DTB 3
- 1 -P	0.8 ~ 1.0					7	
- 1.5-P	1.0 ~ 1.5	0.5				7.2	
- 2 -P	1.5 ~ 2.0					7.3	
- 2.5-P	2.0 ~ 2.5					7.4	
- 3 -P	2.5 ~ 3.0					7.6	
- 3.175-P	2.7 ~ 3.175						
D 7- 1.5-P	1 ~ 1.5	0.5	17	50	36	7	DTA 7
- 2 -P	1.5 ~ 2					10	DTB 7
- 2.5-P	2 ~ 2.5					12	
- 3 -P	2.5 ~ 3						
- 4 -P	3 ~ 4	1				14	
- 5 -P	4 ~ 5					16	
- 6 -P	5 ~ 6						
- 7 -P	6 ~ 7						
D12- 4 -P	2.5 ~ 4	1.5	26	70	50	16	DTB12
- 6 -P	4 ~ 6	2				20	
- 8 -P	6 ~ 8					22	
-10 -P	8 ~ 10						
-12 -P	10 ~ 12						
-13 -P	11 ~ 13						

Accuracy

Runout accuracy	D3	D7-D12
Precision Collet	3 (6) μm	5 (10) μm

※Accuracy of collet alone,
() means collapsibility usable.



D	L
~10	4 × D
10 ~ 13	40

Spanner · Wrench

Fig.1

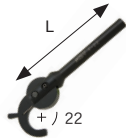


Fig.2

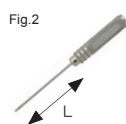


Fig.3



Fig.4

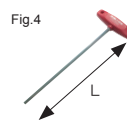
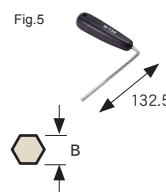


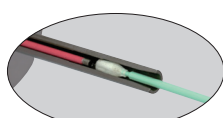
Fig.5



CODE	Shank type	Fig.	L	B	Clamping torque (kgf)
F -22	DTA 3	1	110	—	0.2~0.3
DW-2.5-110	DTB 3	2			
TW-4	E32 -DTB 7	3	100	4	1.4
-5	-DTB 7	4	153	5	3.4
-6	DTB12		173	6	1.4
W -135DR	E40 -DTB12	5	110	5	1.8
	F63M -DTB 7				1.4
	-DTB12		132.5		1.8

Cleaning Tool (DTA3 / DTB3)

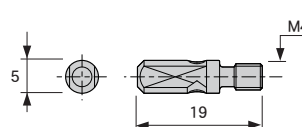
Please use to clean the inside of the holder.



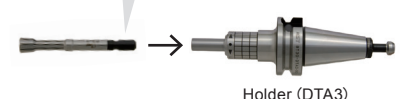
CODE	Q'ty
PCT01-10	10
-25	25

Rod (DTA3 type)

The rod is required to a collet when attaching to the DTA 3 type holder.



CODE	Shank type	Q'ty
PR-DTA3	DTA3	2



Retention knob

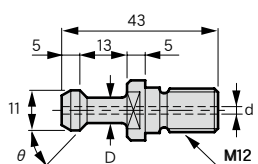


■ Caution

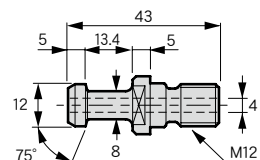
- Retention knobs in this catalog are typical models for various machine tool companies. Confirm the correct retention knob design using the machine specifications sheet.
- We manufacture other kinds of retention knobs. Please consult us for the detail.
- When heating Mono Series shrink-fit holders, use a retention knob with a through-hole or remove the retention knob before heating. If you use a retention knob without a through-hole for the Mono Series shrink-fit holders, a cutter cannot be inserted into the holder because the air in the holder is not released. We can provide you with a retention knob with an air drain hole.

Compatible manufacturers	Standard type						For through spindle coolant type		
	BT30		BT40		BT50		BT30	BT40	BT50
	Standard type	Standard type with a through hole	Standard type	Standard type with a through hole	Standard type	Standard type with a through hole			
OKUMA	—		P40T-2 (MB series)	P-339	P50T-2	P-419	—	P-499	P-419
OKK	—		P40T-1 (MILLAC series)	P-297	P-143	—	—	—	—
OHTORI	—		P40T-1	P-297	P50T-1	P-299	—	—	—
KITAMURA	P30T-1	P-445	P-348	P-323-1	P-400		—	P-323-1	P-400
KIRA	P30T-1	P-445	P40T-1	P-297	—		—	P-323-1	—
KIWA	P30T-1	P-445	P-348	P-323-1	P-400		—	P-323-1	P-400
KURASHIKI	—		P40T-1	P-297	P50T-1	P-299	—	—	—
KOMATSU NTC	P30T-1	P-445	P40T-1	P-297	P50T-1	P-299	P-522	P-505	P-384
JTEKT	—		P40T-1	P-297	P50T-1	P-299	—	P-297	P-299
SHIZUOKA	P30T-1	P-445	P-141	P-498	P-143	P-402	—	—	—
SNK	—		P40T-2	P-339	P50T-2	P-419	—	—	—
SUGINO	P30T-2	P-497	—		—		—	—	—
DMG MORI	P30T-1	P-445	P-141	—	P-143	—	—	P-435	P-513
TOSHIBA MACHINE	—		—		P50T-1	P-299	—	—	—
NIIGATA MACHINE TECHNO	—		—		P50T-2	P-419	—	—	—
FANUC	P30T-1	P-522	—		—		P-522	—	—
BROTHER	P30T-2	P-511	—		—		P-511	—	—
HOWA	P30T-1	P-445	P40T-1	P-297	P50T-1	P-299	—	—	—
MAKINO	—		P40T-1	P-297	P50T-1	P-299	—	P-323-1	P-299
	—		(V series)		(Aseries, MCCseries, Vseries.)				
	—		P-348	P-323-1	P-400				
MATSUURA	P30T-2	P-511	P-348	P-323-1	P50T-2	P-419	—	P-323-1	—
	P-399		—		P-400		—	—	—
	—		P-007	—	P-008	P-250	—	—	—
MITSUI SEIKI	—		P40T-1	—	P50T-2	—	—	—	—
MITSUBISHI	—		P-348	P-438	P50T-1	P-299	—	P-509	P-459
YASDA	—		—		P-400		—	—	P-288-1
YAMAZAKI GIKEN	—		P40T-1	P-297	P50T-2	P-419	—	—	(YBM1218V)
MAZAK	—		P-227		P-514		—	P-227	P-514

■ BT30

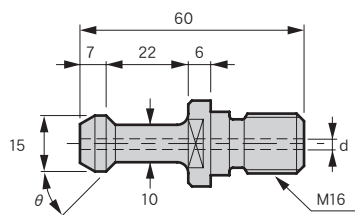


CODE	φD	φd	θ	NOTE
P30T-1	7	—	45	MAS —1
P-445		3		P30T —1 through hole
P30T-2		—	60	MAS —2
P-497		2		P30T —2 through hole
-522	8	4	45	FANUC center-through
-511	7.5	2.5	60	BROTHER center-through

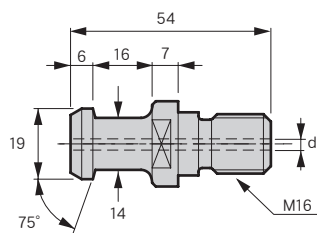


CODE	NOTE
P-399	JIS30P

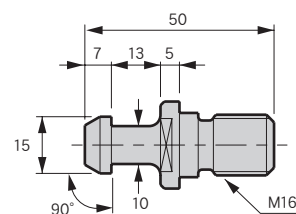
BT40



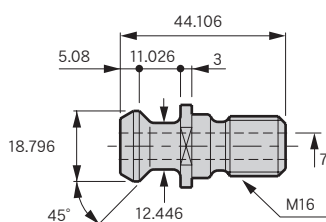
CODE	ϕd	θ	NOTE
P40T-1	—	45	MAS—1
P-297	4		P40T—1 through hole
P40T-2	—	60	MAS—2
P-339	4		P40T—2 through hole
P-141	—	90	—
-498	4		P—141 through hole
-505	3	45	KOMATSU NTC center-through



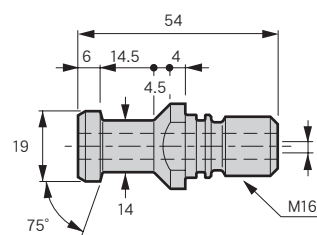
CODE	ϕd	NOTE
P-348	—	JIS40P
-323-1	7	P—348 through hole
-499	4	OKUMA center-through
-438	7	YASDA through hole
-509		YASDA center-through



CODE	NOTE
P-007	MITSUI SEIKI

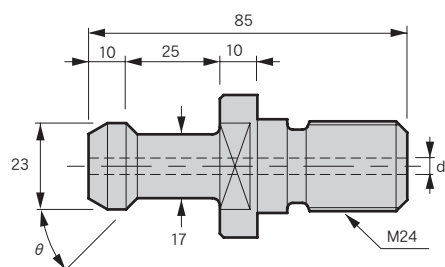


CODE	NOTE
P-227	MAZAK

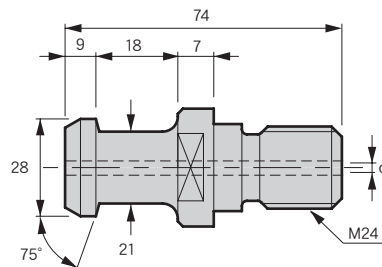


CODE	NOTE
P-435	DMG MORI center-through

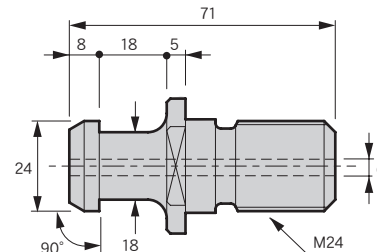
BT50



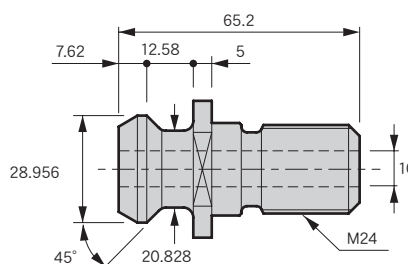
CODE	ϕd	θ	NOTE
P50T-1	—	45	MAS—1
P-299	6		P50T—1 through hole
P50T-2	—	60	MAS—2
P-419	6		P50T—2 through hole
P-143	—	90	—
-402	7		P—143 through hole
P-459	7	45	YASDA center-through
-513	8	90	DMG MORI center-through
-384	5.5	45	KOMATSU NTC center-through



CODE	ϕd	NOTE
P-400	10	JIS50P
-288-1	6	P—400 through hole



CODE	ϕd	NOTE
P-008	—	MITSUI SEIKI
-250	8	P—008 through hole



CODE	NOTE
P-514	MAZAK

SLIMLINE collet installation

You can install a SLIMLINE collet without removing the retention knob if the center hole dia. is more than 6mm.

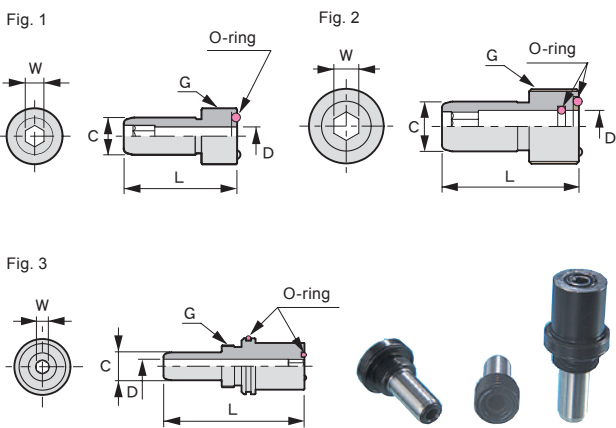


Coolant duct (HSK-A)

Coolant duct (fixed type)

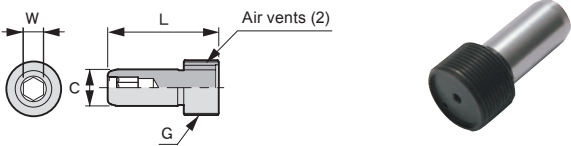
A coolant duct comes with below shank holders as a standard accessory.

CODE	Fig.	ϕC	L	ϕD	W	G	
CD 40-01	1	8	29.5	4	4	M12X1	HSK-A40
-03	3		35.5				
-04			36.5				
CD 50-01	1	10	33	5	5	M16X1	HSK-A50
-03	3		39				
-04			59				
CD 63-01	1	12	36.5	6	6	M18X1	HSK-A63
-02	2						
-03	3				5		
-04			60.5				
CD100-01	1	16	44	8	8	M24X1.5	HSK-A100
-02	2			10.3			

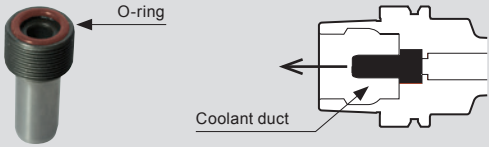


Dummy duct

CODE	ϕC	L	W	G	
CD 40-A1	8	29.5	4	M12X1	HSK-A40
CD 50-A1	10	33	5	M16X1	-A50
CD 63-A1	12	36.5	6	M18X1	-A63
CD100-A1	16	44	8	M24X1.5	-A100



⚠ Cautions for shrinking operation.
Remove the coolant duct when using the hot air heater.
If not, the O-ring will be damaged by the heat.
(Removal is not necessary with the induction heater.)
Use the dummy duct when the spindle coolant capability is not in use.
The dummy duct does not need to be removed when heated.



Coolant duct (Swing type)

Some machine tool companies recommend using a swing type coolant duct.
We can exchange our standard fixed type coolant duct with a swing type at your request.

CODE	Fig.	ϕC	L	ϕD	G	
CD 63-01F	1	12	36.5	7	M18×1	HSK-A63
-03F	2		45.5	6.5		
CD100-01F	1	16	44	10	M24×1.5	-A100

