

DETa-1 Collet Holder Type 3

Nut-less design with using pull collet mechanism.

DTA3

Nut-tightening type

$\phi 10$
($\phi .39''$)

$\phi 0.5 \sim 3.175$
($\phi .020'' \sim .125''$)

BT30, 40
A63
E32, 40, 50
F63
ST16, 20

DTB3

Pull collet design

BT30, 40
A63
E25, 32, 40, 50
F63
ST12, 16, 20

DETa-1 Collet D3



- Max. clamping range of 0.5mm.
- Uses strong but malleable maraging steel!
- Very small, but strong and highly accurate.

7 Type DETa-1 Collet Holder 12 Type

2mm(.080") collapsibility with just one collet!

DTA 7
DTA12

DTB 7
DTB12

DTE 7
DTE12

$\phi 1 \sim \phi 13$
($\phi .039'' \sim .512''$)

Applicable for coolant-through version (Option)

DETa-1 Collet Holder DTA Type 3



BT30-DTA3-90

Fig.1

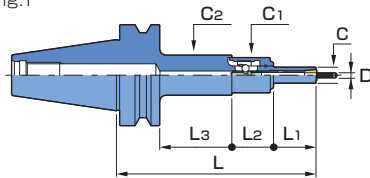


Fig.2

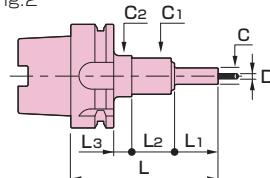
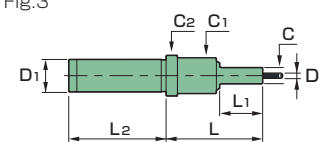


Fig.3



Imbalance value (g·mm)

CODE	Fig.	ϕD	L	ϕC	L ₁	L ₂	L ₃	ϕC_1	ϕC_2	ϕD_1				
BT30-DTA3- 90	1	$\phi 0.5 \sim 3.175$	90	10	27	26	15	22	25	—	0.5	2.4		
BT40-DTA3- 95			95										1.1	3.9
-125			125											
DN40AD-DTA3- 95	1	$\phi 0.5 \sim 3.175$	95	10	27	26	10.8	22	25	—	1.1	4.6		
-125			125				40.8						1.2	5.0
CT40-DTA3- 95			1				$\phi 0.5 \sim 3.175$						95	10
-125	125	37		1.2	4.8									
A 63-DTA3- 90	2	$\phi 0.5 \sim 3.175$		90	10	27		26	11	22	25	—	0.8	
-120			120	41			1.0		3.4					
E 32-DTA3- 75			75	2			0.2		1.8					
E 40-DTA3- 75			80	1			0.3		1.7					
E 50-DTA3- 80			90	11			0.5		2.1					
F 63-DTA3- 90	2	$\phi 0.5 \sim 3.175$	90	10	27	26	11	22	25	—	0.8	2.3		
-120			120				41						0.9	2.7
ST16-DTA3			3				$\phi 0.5 \sim 3.175$						60	10
ST20-DTA3	20	—		—										

■Option •DETa-1 collet •Wrench •Retention knob(BT) •Cleaning tool ■Standard accessories •Coolant duct(HSK-A) •Rod

DETa-1 Collet Holder DTB Type 3



E40-DETB3-70

Fig.1

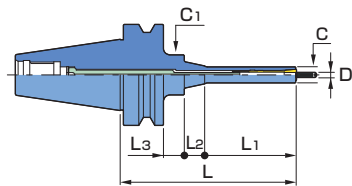


Fig.2

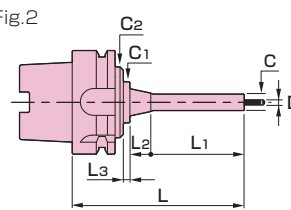
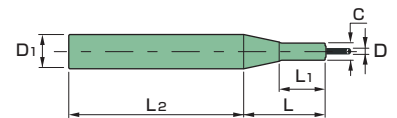


Fig.3

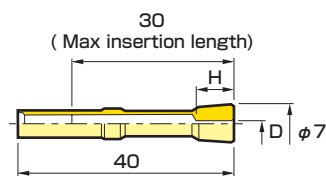


Imbalance value
(g·mm)

CODE	Fig.	ϕD	L	ϕC	L ₁	L ₂	L ₃	ϕC_1	ϕC_2	ϕD_1	Kg	N
BT30-DETB3-90	1	$\phi 0.5 \sim 3.175$	90	10	27	13	28	25	-	-	0.6	1.7
BT40-DETB3-80			80				13				1.3	2.8
-110			110				43				1.4	3.2
-110-L			57				13				1.3	2.8
DN40AD-DETB3-80	1	$\phi 0.5 \sim 3.175$	80	10	27	13	8.8	25	-	-	1.2	3.5
-110			110				38.8				1.3	3.6
-110-L			110				8.8				1.2	3.9
CT40-DETB3-80	1	$\phi 0.5 \sim 3.175$	80	10	27	13	5	25	-	-	1.1	3.3
-110			110				35				1.2	3.7
-110-L			110				57				5	1.1
A 63-DETB3-75	2	$\phi 0.5 \sim 3.175$	75	10	27	13	4	25	43	-	0.8	6.9
-105			105				34				0.9	7.5
-105-L			57				4				0.8	7.0
E 25-DETB3-58	2	$\phi 0.5 \sim 3.175$	58	10	27	16	4.6	18	18	-	0.1	0.4
E 32-DETB3-65			65				4.5	20	20		0.2	0.6
E 40-DETB3-70			70				-	-	-		0.3	0.9
E 50-DETB3-75			75				16	1.5	34		0.5	1.7
F 63-DETB3-75			13				4	25	43		0.8	2.1
-105			105				34	0.9	2.5			
-105-L	57	4	0.8	2.1								
ST12-DETB3	3	$\phi 0.5 \sim 3.175$	29	10	25	61	-	-	-	12	-	-
ST16-DETB3			38.5		27	81.5	-	-	16	-	-	
ST20-DETB3			48		102	-	-	20	-	-		

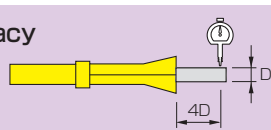
■Options ●DETa-1 collet ●Wrench ●Retention knob(BT) ●Cleaning tool ■Standard accessories ●Coolant duct (HSK-A)

DETa-1 Collet (D3)



DETa-1 COLLET Run-out accuracy

Precision Collet	3 μ m
Standard Collet	5 μ m



CODE		ϕD	H
Precision Collet	Standard Collet		
D3-0.6-P	D3-0.6	0.5 ~ 0.6	6.9
-0.8-P	-0.8	0.6 ~ 0.8	
-1 -P	-1	0.8 ~ 1	7
-1.5-P	-1.5	1 ~ 1.5	7.2
-2 -P	-2	1.5 ~ 2	7.3
-2.5-P	-2.5	2 ~ 2.5	7.4
-3 -P	-3	2.5 ~ 3	7.6
-3.175-P	-3.175	2.7 ~ 3.175	

Wrench

CODE	Fig.	Holder type	Tightening torque
F -22	1	DTA3	2~3N·m
DW-2.5-110	2	DTB3	

Fig.1

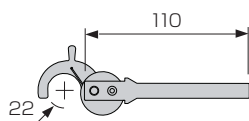
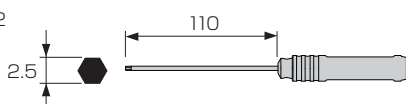
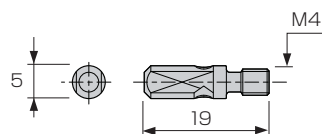


Fig.2



Rod

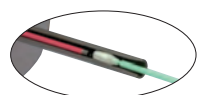
CODE	Holder type	Q'ty
PR-DTA3	DTA3	2



The parts for assembling D3 collet into DTA 3 master holder.

Cleaning Tool

CODE	Q'ty
PCT01-10	10
-25	25



Used to clean the inside of holder.