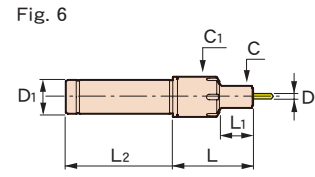
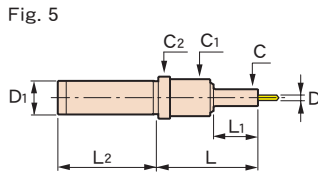
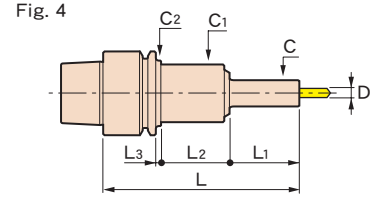
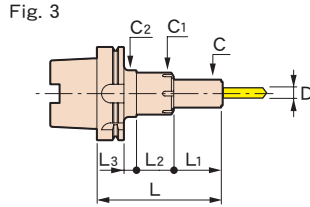
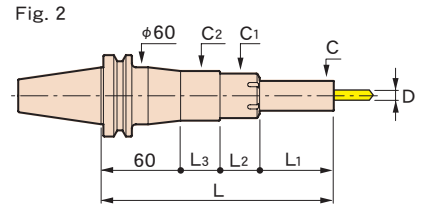
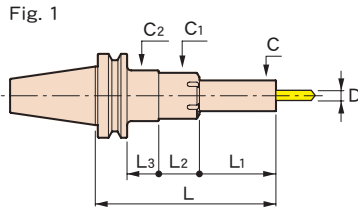
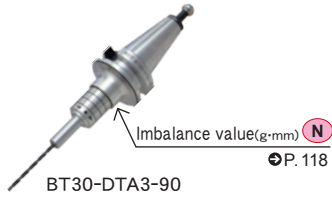


DETA-1 Collet Holder A type (DTA)



CODE	Fig.	φD	L	φC	L1	L2	L3	φC1	φC2	φD1	Kg	N	
BT30-DTA 3- 90	1	0.5 ~ 3.175	90	10	27	26	15	22	25	—	0.5	2.4	
-DTA 7- 90		1 ~ 7		21	30	37	1	38	42	—	0.7	6.7	
-120			120		60						0.8	7.9	
-DTA12-120		2.5 ~ 13		30	52.5	42	3.5	45	45		1.0	10.4	
BT40-DTA 3- 95	1	0.5 ~ 3.175	95	10	27	26	15	22	25	—	1.1	3.9	
-125			125				45				1.2	4.3	
-DTA 7-105		1 ~ 7	105	21	38	37	3	38	60		1.3	8.5	
-135			135		60		11		43		1.4	9.5	
-165			165				41				1.7	10.8	
-195			195				71				2.1	12.1	
-DTA12-120		2.5 ~ 13	120	30	52.5	40	0.5	45	58		1.5	11.6	
-150			150		75		8		50		1.7	13.8	
-180			180				38				2.1	15.5	
-210			210				68				2.6	17.1	
BT50-DTA 7-105	1	1 ~ 7	105	21	30	37	—	38	—	—	3.8	15.5	
-135				135		60					3.9	16.6	
-165				165				30		43		4.0	18.0
-195				195				60				4.4	19.5
-255				255				120				5.0	18.2
-315			2	315								5.9	19.1
-DTA12-135	1	2.5 ~ 13	135	30	52.5	40	4.5	45	50		4.1	19.4	
-165				165		75		12			4.3	21.6	
-195				195				42			4.7	23.4	
-255				255				102			5.5	22.3	
-315			2	315							6.6	23.3	
A63 -DTA 3- 90	3	0.5 ~ 3.175	90	10	27	26	11	22	25	—	0.8	3.0	
-120				120				41			1.0	3.4	
-DTA 7-105		1 ~ 7	105	21	30	37	12	38	50		1.1	17.3	
-120			120		38		19				1.3	18.3	
-150			150		60		27				1.7	20.3	
-DTA12-120		2.5 ~ 13	120	30	52.5	40	1.5	45			1.2	21.9	
-150			150		75		9				1.4	25.2	
-180			180				39				1.8	27.7	

CODE	Fig.	φD	L	φC	L1	L2	L3	φC1	φC2	φD1	Kg (lbs)	N	
A100 -DTA 7-135	3	1 ~ 7	135	21	30	37	39	38	50	—	2.7	33.8	
-165			165		60						2.8	35.5	
-225			225		99						3.7	33.6	
-DTA12-135		2.5~13	135	30	52.5	40	13.5	45	2.7		37.1		
-165			165		75		21		2.9		40.4		
-225			225		81		81		3.8		39.7		
E32 -DTA 3- 75	4	0.5~ 3.175	75	10	27	26	2	22	25	—	0.2	1.8	
E40 -DTA 3- 75	4	0.5~ 3.175	75	10	27	26	2	22	25	—	0.3	1.7	
E50 -DTA 3- 80	4	0.5~ 3.175	80	10	27	26	1	22	25	—	0.5	2.1	
F63 -DTA 3- 90	4	0.5~ 3.175	90	10	27	26	11	22	25	—	0.8	2.3	
-120			120				41				27	26	0.9
DN40A -DTA 3- 95	1	0.5~ 3.175	95	10	27	26	10.8	22	25	—	1.1	4.6	
-125			125				40.8				1.2	5.0	
DIN -DTA 7-105		1 ~ 7	105	21	30	43.8	12.1	38	45		1.2	11.9	
-135			135		60		37				18.9	1.3	14.4
-DTA12-130		2.5~13	130	30	52.5	56.9	—	45	—		1.5	18.0	
-160			160		75		66.4				1.7	20.0	
DN50A -DTA 7-135	1	1 ~ 7	135	21	60	37	3	38	50	—	3.4	20.1	
-165			165				33				43	3.6	20.0
-195			195				63				3.9	20.6	
-DTA12-135		2.5~13	135	30	52.5	40	7.5	45	50		3.6	21.5	
-165			165		75		15				3.8	25.8	
-195			195		45		4.2				26.4		
CT40 -DTA 3- 95	1	.02~.13	3.74	0.39	1.06	1.02	.28	.87	.98	—	2.4	4.4	
-125			4.92				1.46				2.7	4.8	
-DTA 7-102		.04~.28	4.01	0.83	1.18	1.46	.63	1.49	1.75		2.8	8.1	
-132			5.19		2.36		2.9				9.3		
-DTA12-130		.10~.51	5.11	1.18	2.08	1.57	—	1.77	3.3		11.7		
-152			5.98		2.95		.61		3.8		13.5		
CT50 -DTA 7-102	1	.04~.28	4.01	0.83	1.18	1.46	.63	1.49	2.75	—	7.1	11.8	
-132			5.19				2.36				7.3	13.0	
-152			5.98				—				.71	1.69	7.7
-203		7.87	—	2.71	—	8.6	14.0						
-DTA12-130		.10~.51	5.11	1.18	2.08	1.57	.73	1.77	—		7.7	15.6	
-152			5.98		2.95		.71				7.9	17.5	
-203	7.87		2.09		1.97		9.3			18.3			
ST16 -DTA 3	5	0.5~ 3.175	60	10	27	60	—	22		25	16	—	—
ST20 -DTA 3	5	0.5~ 3.175	60	10	27	60	—	22		—	20	—	—
ST32T -DTA 7- 75	6	1 ~ 7	75	21	31.5	100	—	38		—	32	—	—
-105			105		61.5								
-DTA12-105		2.5~13	—	30	52.5	45							
-135			135		75								
S32 -DTA 7- 75	6	1 ~ 7	75	21	31.5	70	—	38	—	32	—	—	
-DTA12-100		2.5~13	100		30			52.5					45

- Option
 ●DETA-1 collet→P.31 ●Spanner→P.31 ●Retention knob (BT)→P.64
 ●Cleaning tool→P.31

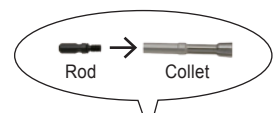
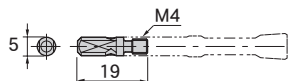
- Std. Access.
 ●Coolant duct(Fixed)(HSK-A)→P.104 ●Rod(DTA3)

- Note
 ●Swing type coolant ducts are available upon request(HSK-A).
 For details, please contact us.

- Caution
 ●HSK-E and F shank don't come with a coolant duct and cannot be attached.
 ●ATC may not be possible for some machining centers with BT30-DTA12-120.
 ●For precautions and maintenance, refer to page 115.

Rod (DTA3 type)

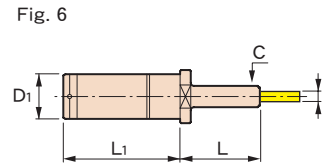
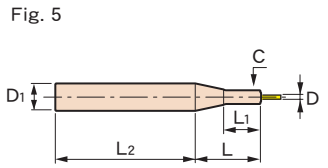
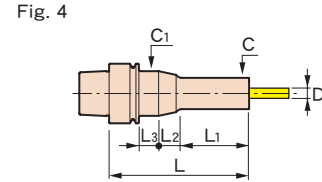
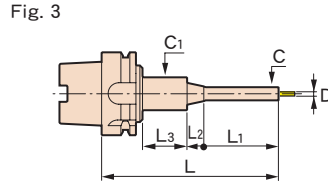
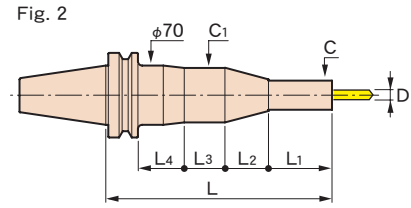
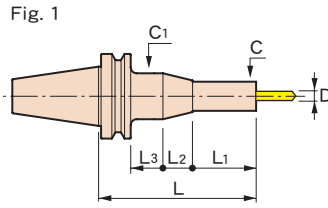
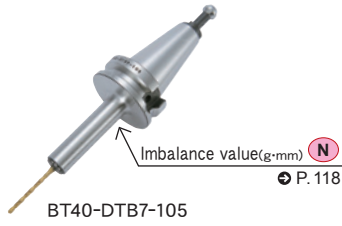
These are necessary when attaching a collet to the holder (DTA3).



CODE	Holder type	Q'ty
PR-DTA3	DTA3	2pcs.



DETa-1 Collet Holder B type (DTB)

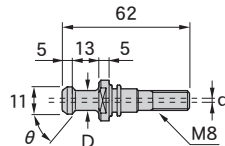


CODE	Fig.	φD	L	φC	L1	L2	L3	L4	φC1	φD1	kg	(N)	
BT30-DTB 3- 90	1	0.5 ~ 3.175	90	10	27	13	28	—	25	—	0.6	1.7	
-DTB 7- 75		1 ~ 7	75	21	53	—	—	—	—	—	0.5	2.4	
-105			105		83								3.4
-DTB12- 75		2.5 ~ 13	75	30	53								
-105			105		83							0.7	5.6
BT40-DTB 3- 80	1	0.5 ~ 3.175	80	10	27	13	13	—	25	—	1.3	2.8	
-110			110				43					1.4	3.2
-110L				57		13						1.3	2.8
-DTB 7- 60		1 ~ 7	60	21	33	—	—	—	—	—	—	1.0	3.7
-105			105		78							1.1	4.8
-135			135		75	11.8	21.2			30		1.3	5.2
-165			165		75.5	35.3	27.2			40		1.6	5.4
-195			195				57.2					1.9	5.6
-DTB12- 90		2.5 ~ 13	90	30	63	—	—	—	—	—	—	1.2	5.3
-120			120		93							1.3	7.6
-150			150		105	11.8	6.2			40		1.5	8.4
-180			180				36.2					1.8	8.7
-210			210				66.2					2.1	8.9
BT50-DTB 7- 75		1	1 ~ 7	75	21	37	—	—	—	—	—	—	3.5
-105	105				67							3.7	12.3
-135	135				75	11.8	10.2			30		3.8	18.6
-195	195					58.8	23.2			50		4.6	25.0
-255	255				75.5	82.3	59.2			60		6.1	27.6
-315	315				75	58.8	43.7	99.5		50		7.4	33.9
-DTB12- 75	1	2.5 ~ 13	75	30	37	—	—	—	—	—	—	3.7	12.5
-105			105		67							3.9	14.8
-135			135		97							4.0	15.3
-195			195		105	35.3	16.7			50		4.7	24.3
-255			255			58.8	53.2			60		5.9	28.4
-315			315				50.2	63				7.5	34.1
A63 -DTB 3- 75	3	0.5 ~ 3.175	75	10	27	13	4	—	25	—	0.8	6.9	
-105			105			34					0.9	7.5	
-105L				57		4					0.8	7.0	

CODE	Fig.	φD	L	φC	L1	L2	L3	L4	φC1	φD1	Kg (lbs)	N							
E25 -DTB 3- 58	3	0.5~ 3.175	58	10	27	16	4.6	—	18	—	0.1	0.4							
E32 -DTB 3- 65	3	0.5~ 3.175	65	10	27	16	4.5	—	20	—	0.2	0.6							
-DTB 7- 65K	4	1 ~ 7		21	30	14.2	10.8		26		0.9								
E40 -DTB 3- 70	3	0.5~ 3.175	70	10	27	13	—	—	20	—	0.3	0.9							
-DTB 7- 95	4	1 ~ 7	95	21	50	11.8	13.2		30		0.4	1.6							
-DTB12-110		2.5~13	110	30	90	—	—		—		0.5	2.8							
E50 -DTB 3- 75	3	0.5~ 3.175	75	10	27	16	1.5	—	20	—	0.5	1.7							
-DTB 7-100	4	1 ~ 7	100	21	50	11.8	12.2		30		0.6	3.2							
-DTB12-115		2.5~13	115	30	89	—	—		—		0.8	4.2							
F63 -DTB 3- 75	3	0.5~ 3.175	75	10	27	13	4	—	25	—	0.8	2.1							
-105			105				34				0.9	2.5							
-105L			57				4				0.8	2.1							
F63M -DTB 7-100	4	1 ~ 7	100	21	50	11.8	12.2	—	30	—	0.9	3.3							
-DTB12-120		2.5~13	120	30	70	40	1.1		4.8										
DN40AD -DTB 3- 80	1	0.5~ 3.175	80	10	27	13	18.8	25	—	—	1.2	3.5							
-110			110				38.8				1.3	3.6							
-110L			57				18.8				1.2	3.9							
-DTB 7-105		1 ~ 7	105	21	74	—	12.1	—	44.45	1.1	4.8								
-135			135	75	11.8	17	30		1.2	5.0									
-DTB12-105		2.5~13	105	30	74	—	12.1	—	44.45	1.2	5.7								
-135			135	104	1.3	8.0													
DN50AD -DTB 7-135		1	1 ~ 7	135	21	75	11.8	13.2	15.9	30	—	3.3	14.9						
-195				195			58.8	26.2		50		4.1	21.5						
-DTB12-135	2.5~13		135	30	100	—	—	—		3.5		11.7							
-195			195	105	35.3	19.7	50	4.2		20.8									
CT40 -DTB 3- 80	1	.02~.13	3.15	.39	1.06	.51	.20	.98	—	—	2.4	3.3							
-110			4.33				1.38				2.7	3.7							
-110L			2.24				.20				2.4	3.3							
-DTB 7-105		.04~.28	4.13	.83	2.76	—	.63	—	1.75	2.4	4.6								
-135			5.31	2.95	.46	.52	1.18		2.9	5.2									
-DTB12-120		.10~.51	4.72	1.18	3.34	—	.63	—	1.75	1.3	7.5								
-150			5.91	3.66	.88	.62	3.5		8.5										
CT50 -DTB 7-135		1	.04~.28	5.31	.83	2.91	.46	.52	—	1.18	—	7.3	14.8						
-195	7.68			2.31			1.03	1.97		9.0		21.4							
-DTB12-135	.10~.51		5.31	1.18	3.94	—	.63	2.75		7.7		11.6							
-195			7.68	4.13	1.39	.78	1.97	9.0		20.8									
ST12 -DTB 3	5	0.5~ 3.175	29	10	25	61	—	—	—	12	—	—							
ST16 -DTB 3	5	0.5~ 3.175	38.5	10	27	81.5	—	—	—	16	—	—							
ST20 -DTB 3	5	0.5~ 3.175	48	10	27	102	—	—	—	20	—	—							
ST25T -DTB 7- 15	6	1 ~ 7	15	21	110	—	—	—	—	25	—	—							
- 45			45										—	—	—	—	—	—	
- 75			75										—	—	—	—	—	—	
ST32T -DTB 7- 15	6	1 ~ 7	15	21	92	—	—	—	—	32	—	—							
- 45			45										—	—	—	—	—	—	
- 75			75										—	—	—	—	—	—	
-DTB12- 15		2.5~13	15	30	—	—	—	—	—	—	—	—	—						
- 45			45											—	—	—	—	—	—
- 75			75											—	—	—	—	—	—
S32 -DTB 7- 15	6	1 ~ 7	15	21	70	—	—	—	—	32	—	—							
-DTB12- 40		2.5~13	40										30	—	—	—	—	—	—

- Option
•DETa-1 collet→P.31 •Wrench→P.31 •Retention knob (BT)→P.64
•Cleaning tool→P.31
- Std. Access.
•Coolant duct(Fixed)(HSK-A)→P.104
- Note
•Swing type coolant ducts are available upon request(HSK-A).
For details, please contact us.
•BT30-DTB12 requires the dedicated retention knob, which has the feature of draw bolt. Please choose P-538 or P-535.
- Caution
•For the E32-DTB7-65K, collet collapsibility is not available. The clamping diameter applies only to nominal end-mill shank size.
•HSK-E shank doesn't come with a coolant duct and cannot be attached.
•For precautions and maintenance, refer to page 115.

Retention knob for BT30-DTB12



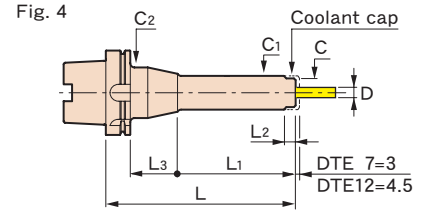
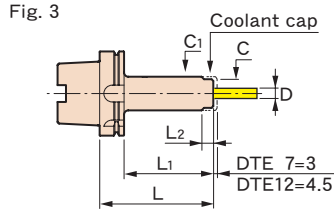
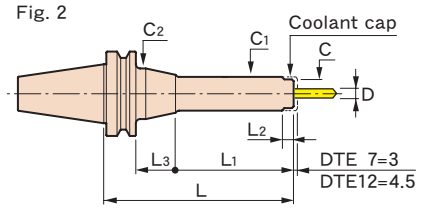
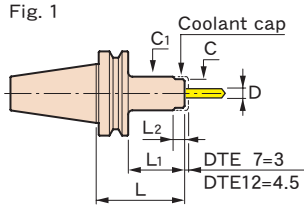
CODE	φD	φd	θ	Note
P-538	8	4	45	In accordance with MAS-1
-535	7.5	2.5	60	In accordance with MAS-2



DETA-1 Collet Holder E type (DTE)



Imbalance value(g·mm) **N**
 P.118



CODE	Fig.	φD	L	φC	L1	L2	L3	φC1	φC2	kg	N						
BT30-DTE 7- 60-MAS1	1	1 ~ 7	60	24	38	11.5	—	29	—	0.6	3.2						
-MAS2		2.5~ 13	75	34	53	14	—	40	—	0.9	4.9						
-DTE12- 75-MAS1																	
-MAS2																	
BT40-DTE 7- 90	1	1 ~ 7	90	24	63	11.5	—	29	—	1.3	4.9						
-120			120									70	23	40	1.5	6.2	
-150			150									53	50	1.9	7.2		
-180			180									83	50	2.4	8.9		
-210			210									113	50	2.9	9.8		
-DTE12- 90	1	2.5~ 13	90	34	63	14	—	40	—	1.5	6.1						
-120			120									93	40	1.8	7.4		
-150			150									123	40	2.1	9.4		
-180			2									180	140	13	50	2.5	9.6
-210												210	43	50	2.9	11.7	
BT50-DTE 7-105	1	1 ~ 7	105	24	67	11.5	—	29	—	3.9	15.6						
-135			135									70	27	40	4.2	16.5	
-165			165									57	50	4.6	18.7		
-225			225									117	60	6.0	24.4		
-285			285									177	60	7.3	30.1		
-DTE12-105	1	2.5~ 13	105	34	67	14	—	40	—	4.2	16.6						
-135			135									97	40	4.5	18.9		
-165			165									127	40	4.8	21.0		
-225			2									225	140	47	60	5.7	24.5
-285												285	107	70	7.6	27.1	
A40 -DTE 7- 95	3	1 ~ 7	95	24	75	11.5	—	29	—	0.6	4.4						
-DTE12-105		2.5~ 13	105	34	85	14	—	40	—	0.9	14.4						
A50 -DTE 7-105	3	1 ~ 7	105	24	79	11.5	—	29	—	0.7	9.8						
-DTE12-120		2.5~ 13	120	34	94	14	—	40	—	1.1	12.5						
A63 -DTE 7-105	4	1 ~ 7	105	24	70	11.5	9	29	40	1.1	12.3						
-120			120									24	1.2	12.8			
-150			150									54	50	1.7	14.3		
-180			180									84	50	2.1	15.7		
-DTE12-120	3	2.5~ 13	120	34	94	14	—	40	—	1.5	14.9						
-150			150									124	1.8	16.0			
-180	4	180	140	14	50	2.3	19.1										
A100-DTE 7-135	4	1 ~ 7	135	24	70	11.5	36	29	40	2.7	31.0						
-165			165									66	50	3.2	32.4		
-225			225									126	60	4.7	35.7		
-DTE12-135	3	2.5~ 13	135	34	106	14	—	40	—	3.0	33.1						
-165			165									136	3.3	36.2			
-225			4									225	140	56	60	4.4	40.3

CODE	Fig.	φD	L	φC	L1	L2	L3	φC1	φC2	KG (lbs)	N
DN40AD-DTE 7- 90 -120 -DTE12- 90 -150	2	1 ~ 7	90	24	58	11.5	12.9	29	45	1.2	5.4
			120								
		2.5~13	90	34	58.8	14	12.1	40	1.3	6.1	
			150								118.8
DN50AD-DTE 7-105 -165 -DTE12-105 -165	2	1 ~ 7	105	24	70	11.5	15.9	29	70	3.4	12.0
			165								
		2.5~13	105	34	14	15.9	40	70	3.6	12.6	
			165								130
CT40-DTE 7- 90 -120 -DTE12- 90 -150	2	.04~.28	3.54	.94	2.17	.45	.63	1.14	1.75	2.7	5.2
			4.72								
		.10~.51	3.54	1.34	2.17	.55	.63	1.57	3.1	6.1	
			5.91								4.53
CT50-DTE 7-105 -165 -DTE12-105 -165	2	.04~.28	4.13	.94	2.75	.45	.63	1.14	2.75	7.5	11.8
			6.5								
		.10~.51	4.13	1.34	5.12	.55	.63	1.57	2.75	7.9	12.9
			6.5								

Option

- DETa-1 collet → P.31 • Wrench → P.31 • Retention knob (BT40/50) → P.64
- Tap rod (DTE12) → P.30 • Spacer • Coolant cap
- Spacer set • Coolant-through system

Std. Access.

- Coolant duct (Fixed) (HSK-A) → P.104 • Retention knob (BT30)

Note

- Swing type coolant ducts are available upon request (HSK-A). For details, please contact us.

Caution

- A dedicated retention knob is supplied with the BT30-DTE as a standard accessory. When ordering, specify whether a MAS-1 or MAS-2 retention knob is required. To replace the retention knob, please contact us.
- For precautions and maintenance, refer to page 115.

Cutting data

DTA type

<p>S50C</p> <p>φ3 Carbide drill 3 flutes</p> <p>n 9000 min⁻¹ Vf 900 mm/min Vc 85 m/min f 0.1 mm/rev</p> <p>E32-DTA3-75</p>	<p>S50C</p> <p>φ3 Carbide Square endmill 3 flutes</p> <p>n 6000 min⁻¹ Vf 150 mm/min Vc 60 m/min fz 0.013 mm/t</p> <p>E32-DTA3-75</p>	<p>Aluminum</p> <p>φ8.5 Carbide drill</p> <p>n 10000 min⁻¹ Vf 5000 mm/min Vc 267 m/min f 0.5 mm/rev</p> <p>BT40-DTA12-165</p>
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DTB type

<p>A6061</p> <p>φ0.8 Straight drill</p> <p>n 6000 min⁻¹ Vf 60 mm/min Vc 15 m/min</p> <p>BT40-DTB3-110L</p>	<p>A5052</p> <p>φ0.8 Straight drill</p> <p>n 10000 min⁻¹ Vf 400 mm/min Vc 25 m/min</p> <p>※234 pcs.</p> <p>A63-DTB3-75</p>	<p>S50C</p> <p>R1.5 Carbide ball endmill</p> <p>n 12500 min⁻¹ Vf 1560 mm/min Vc 120 m/min f 0.125 mm/rev</p> <p>E32-DTB3-65</p>	<p>S50C</p> <p>φ3 Carbide Square endmill 2 flutes</p> <p>n 6000 min⁻¹ Vf 150 mm/min Vc 60 m/min fz 0.013 mm/t</p> <p>E32-DTB3-65</p>
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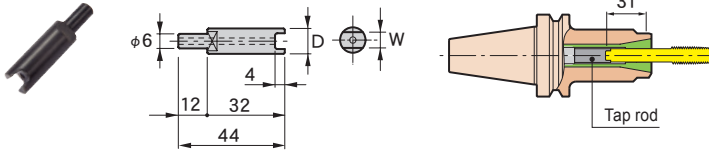
<p>S50C</p> <p>R1.5 Carbide ball endmill</p> <p>n 12500 min⁻¹ Vf 1560 mm/min Vc 120 m/min f 0.125 mm/rev</p> <p>E32-DTB3-65</p>	<p>STAVAX(42HRC)</p> <p>φ0.6 Carbide straight drill</p> <p>n 3715 min⁻¹ Vf 30 mm/min Vc 7 m/min f 0.01 mm/rev</p> <p>F63-DTB3-75</p>	<p>SKD61(46HRC)</p> <p>R3 Carbide ball endmill 2 flutes</p> <p>n 5000 min⁻¹ Vf 1500 mm/min Vc 94 m/min fz 0.15 mm/t</p> <p>BT40-DTB7-105</p>	<p>SKD61(46HRC)</p> <p>φ10 Carbide endmill 2 flutes</p> <p>n 4500 min⁻¹ Vf 1500 mm/min Vc 141 m/min fz 0.17 mm/t</p> <p>BT40-DTB12-90</p>
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DTE type

<p>S50C</p> <p>φ6 Carbide drill</p> <p>n 6369 min⁻¹ Vf 1592 mm/min Vc 120 m/min f 0.25 mm/rev</p> <p>A63-DTE7-105</p>	<p>SKD61(53HRC)</p> <p>R5 Carbide ball endmill 2 flutes</p> <p>n 20000 min⁻¹ Vf 6000 mm/min Vc 628 m/min fz 0.15 mm/t</p> <p>A63-DTE12-120</p>
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Tap rod (DTE12type)

To be used as a stopper for synchronized tapping.

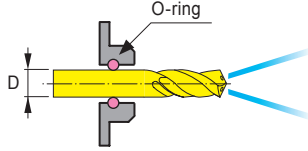


CODE	Applicable taps	φD	W	Collet
TR-5	JIS M 8	10.5	5	D12-12
-5.5	JIS M10		5.5	
-6	OSG M 8 M10		6	
-6.5	JIS M12	12	6.5	-13
-8	OSG M12		8	

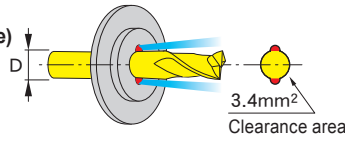
COOLANT-THROUGH SYSTEM (OPTION)

Spacer

EA type



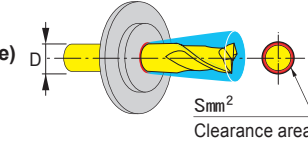
EBM type (Groove-type)



CODE	Holder type	φD	Q'ty
7EA- 3.5-3	DTE 7	3 ~ 3.5	3pcs.
- 4 -3		3.5 ~ 4	1set
- 4.5-3		4 ~ 4.5	
- 5 -3		4.5 ~ 5	
- 5.5-3		5 ~ 5.5	
- 6 -3		5.5 ~ 6	
- 6.5-3		6 ~ 6.5	
- 7 -3		6.5 ~ 7	
12EA- 3.5-3	DTE12	3 ~ 3.5	3pcs.
- 4 -3		3.5 ~ 4	1set
- 4.5-3		4 ~ 4.5	
- 5 -3		4.5 ~ 5	
- 5.5-3		5 ~ 5.5	
- 6 -3		5.5 ~ 6	
- 6.5-3		6 ~ 6.5	
- 7 -3		6.5 ~ 7	
- 8 -3		7 ~ 8	
- 9 -3		8 ~ 9	
-10 -3		9 ~ 10	
-11 -3		10 ~ 11	
-12 -3		11 ~ 12	
-13 -3	12 ~ 13		

CODE	Holder type	φD	Q'ty
7EBM- 3-3	DTE 7	3	3pcs.
- 4-3		4	1set
- 6-3		6	
12EBM- 3-3	DTE12	3	3pcs.
- 4-3		4	1set
- 6-3		6	
- 8-3		8	
-10-3		10	
-12-3		12	

EBS type (Round-type)



CODE	Holder type	φD	S	Q'ty
7EBS- 3.6-3	DTE 7	3	3.1	3pcs.
- 4.5-3		4	3.3	1set
- 6.4-3		6	3.9	
12EBS- 3.6-3	DTE12	3	3.1	3pcs.
- 4.5-3		4	3.3	1set
- 6.4-3		6	3.9	
- 8.4-3		8	4.6	
-10.3-3		10	4.8	
-12.3-3		12		

Spacer blank type

Depend on cutter or application, please modify.

CODE	Holder type	Q'ty
7EBF-BL-5	DTE 7	5pcs.
12EBF-BL-5	DTE12	1set

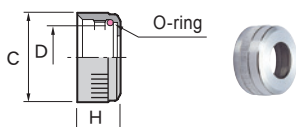
Spacer set

CODE	Holder type	Contents of set		
		Spacer	Q'ty	Coolant cap
7ES-A	DTE 7	7EA -3.5~7	(1ea.)	CLP- 7E
		7EBM-3, 4, 6	total	
		7EBS-3.6, 4.5, 6.4	14pcs.	
12ES-A	DTE12	12EA -3.5~13	(1ea.)	CLP-12E
		12EBM-3~12	total	
		12EBS-3.6~12.3	26pcs.	

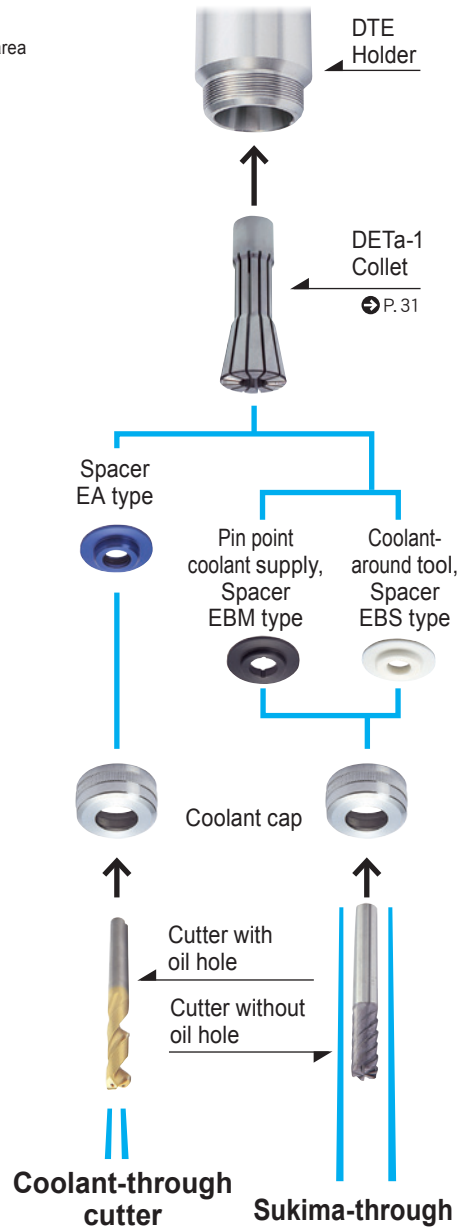


■ Std. Access.
● Collet driver

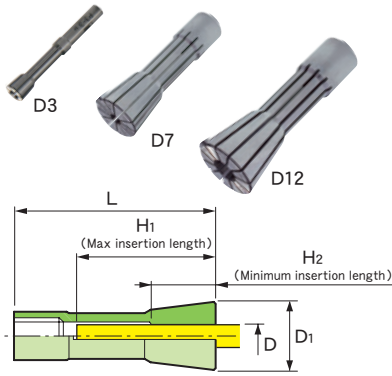
Coolant cap



CODE	Holder type	φD	φC	H
CLP- 7E	DTE 7	21	29	14
-12E	DTE12	30	40	18



DETa-1 COLLET

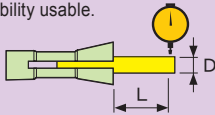


Highest guaranteed accuracies throughout entire chucking range(100% inspection)

Collet	Run-out accuracy(μm)	
	D3	D7/D12
Precision Collet	3 ⁽⁶⁾	5 ⁽¹⁰⁾
Standard Collet	5 ⁽¹⁰⁾	10 ⁽¹⁵⁾

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

D	L
~10	4×D
10~13	40



CODE		ϕD	Holder type	Collap-sibility	ϕD_1	L	H ₁	H ₂							
Standard Collet	Precision Collet														
D 3-	0.6	0.5 ~ 0.6	DTA 3 DTB 3	0.1	7	40	30	6.9							
	0.8	0.6 ~ 0.8							0.2						
	1	0.8 ~ 1													
	1.5	1 ~ 1.5		0.5											
	2	1.5 ~ 2													
	2.5	2 ~ 2.5													
	3	2.5 ~ 3													
	3.175	2.7 ~ 3.175													
	D 7-	1.5							1 ~ 1.5	DTA 7 DTB 7 DTE 7	0.5	17	50	36	7
		2							1.5 ~ 2						
2.5		2 ~ 2.5													
3		2.5 ~ 3													
4		3 ~ 4													
D12-		4	4 ~ 5	DTA12 DTB12 DTE12	1	26	70	50	16						
		6	5 ~ 6												
		7	6 ~ 7												
		4	2.5 ~ 4		2				20						
		6	4 ~ 6												
	8	6 ~ 8													
10	8 ~ 10														
12	10 ~ 12														
13	11 ~ 13														

Add "-P" after the standard type item code.

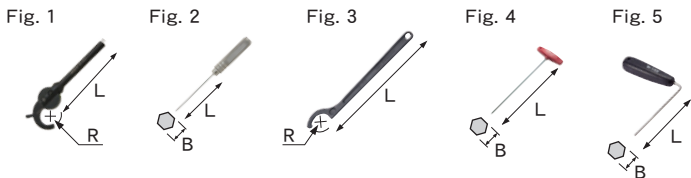
< Example >
D12 - 6 - P

Spanner · Wrench

CODE	Holder type	Fig.	B	R	L	Tightening torque (N·m)	
F- 22	DTA 3	1	-	22	110	2~ 3	
DW-2.5-110	DTB 3	2	2.5	-			
F- 38	DTA 7	3	-	19	148.5	20~40	
- 45	DTA12			22.5	225	70	
TW-4	E32 - DTB 7	4	4	-	77	14	
-5	DTB 7				5	153	
-6	DTB12				6	173	34
W-135DR	DTE 7	5	5		110	14	
	DTE12				18		
	E40 - DTB12						
	E50 - DTB12						
	F63 - DTB 7				14		
	F63 - DTB12				18		

■Std. Access.

- Collet driver (F-38, F-45, TW-5, TW-6, W135-DR)



Adjustable torque wrench

The nut-tightening torque can be adjusted more properly.

Spanner for torque wrench	Adjustable torque wrench	Holder type
F-38AW	AW-1	DTA 7
-45AW		DTA12

Attaching a cutting tool (DTB, DTE)

If a retention knob with a hole is used, direct tightening of cutting tools is possible.

Required hole dia of retention knob

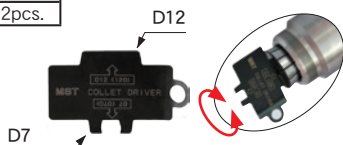
- DTB 3 : $\phi 4 \sim$
- DTB 7, DTE : $\phi 6 \sim$
- DTB12 : $\phi 7 \sim$



Collet driver

The DETA-1 collet can be attached/detached with ease.

CODE	Q'ty
DR-1	2pcs.



Cleaning tool felt type

Apply this tool to clean the hard-to-clean inside portion of DTA3 and DTB3 holders. The initial accuracy of tool holders can be made to last a long time by keeping the internal bore clean.

CODE	Q'ty
PCT01-10	10 pcs.
-25	25 pcs.

