

▶▶▶ Thru-the-tool Coolant Available

▶▶▶ Thru-the-groove Coolant Available

▶▶▶ BBT Available

S Standard

FIG.1

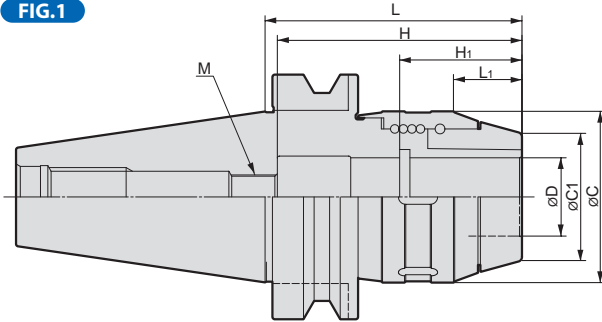


FIG.2

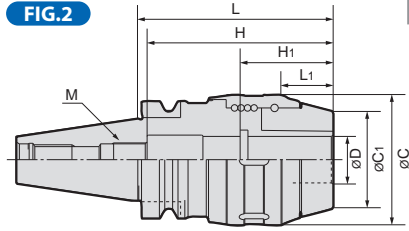
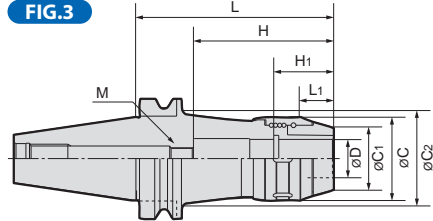


FIG.3



Cutter shank diameter should be h7 or better.

MODEL	A	AA	BBT	Fig	øD	L	L1	øC	øC1	øC2	H	H1	min tool insert length		Adjust min/max	M	N/W (kg)	
													ST	CT				
Max. 10,000 min ⁻¹																		
BT30 (BBT30)	HPC16-	100	○	○	○	16	100	26	56	34	85	50	40	51	70~80	M10	1.4	
	HPC20-	100	○	○	○													20
	HPC25-	100	△	△	△	25	44	27.5	62	44	70	52	57~70	M18	1.6			
	HPC32-	105	△	△	△	32	105									70	52	
Max. 10,000 min ⁻¹																		
BT40 (BBT40)	HPC16-	090	○	○	○	16	90	26	56	34	85	50	40	51	70~80	M10	1.8	
	HPC16-	120	△	△	△													120
	HPC20-	090	○	○	○	20	90	27.5	62	44	70	52	55	55	2.0			
	HPC20-	120	△	△	△											120	38	100
	HPC25-	105	○	○	○	25	105	30.5	82	62	80	57	60	60	77~90	3.5		
	HPC25-	135	△	△	△												135	52
	HPC32-	105	○	○	○	32	105	27.5	62	44	70	52	55	55	2.5			
	HPC32-	135	△	△	△											135	52	100
	HPC42-	135	△	△	△	42	135	30.5	82	62	100	57	60	60	77~90	3.5		

MODEL	A	AA	BBT	Fig	øD	L	L1	øC	øC1	øC2	H	H1	min tool insert length		Adjust min/max	M	N/W (kg)									
													ST	CT												
Max. 8,000 min ⁻¹																										
BT50 (BBT50)	HPC16-	105	○	○	○	16	105	26	56	34	85	50	40	51	70~80	M10	4.4									
	HPC16-	135	△	△	△													135	57	-	100	57	62	77~90	M18	5.5
	HPC16-	165	△	△	△													165	62							
	HPC20-	105	○	○	○	20	105	27.5	62	44	70	52	55	55	94~107	M18	5.6									
	HPC20-	135	△	△	△													135	57	-	100	57	62	77~90	M18	5.7
	HPC20-	165	○	○	△													165	62							
	HPC25-	105	○	○	○	25	105	27.5	62	44	70	52	55	55	94~107	M18	5.6									
	HPC25-	135	△	△	△													135	57	-	100	57	62	77~90	M18	5.7
	HPC25-	165	○	○	△													165	62							
	HPC25-	200	△	△	△	200	250	27.5	62	44	70	52	55	55	94~107	M18	5.6									
	HPC25-	250	△	△	△													250	62	-	100	57	62	77~90	M18	5.7
	HPC25-	250	△	△	△													250	62							
	HPC32-	105	○	○	○	32	105	27.5	62	44	70	52	55	55	94~107	M18	5.6									
	HPC32-	135	△	△	△													135	57	-	100	57	62	77~90	M18	5.7
	HPC32-	165	○	○	△													165	62							
	HPC32-	200	△	△	△	200	250	27.5	62	44	70	52	55	55	94~107	M18	5.6									
	HPC32-	250	△	△	△													250	62	-	100	57	62	77~90	M18	5.7
	HPC32-	300	△	△	△													300	62							
	HPC42-	110	○	○	○	42	110	30.5	82	62	80	122	57	60	60	99~112	M18	4.6								
	HPC42-	135	△	△	△														135	82	-	100	57	62	77~90	M18
HPC42-	165	○	○	△	165														62	20						
HPC42-	200	△	△	△	200	62	20	105	38	57	62	5.5														

△ : Mark tools are manufactured to order.

NOTE : 1. Chuck wrench and adjust screw are sold separately.

2. Insert the O-ring included in the box to the groove of the ID for thru-the-tool use.

3. The above-mentioned maximum speed will vary depending rigidity of the machine and balance of cutter. An adequate cutting condition should be selected for each case.

4. If the L dimension is 200 mm or more, the runout will be 5 μ of chuck nose and 8 μ of 3D point.



ACCESSORIES

P.39 STRAIGHT COLLETS



ACCESSORIES

P.40 ADJUST SCREW, CHUCK WRENCH

ORDERING EXAMPLE

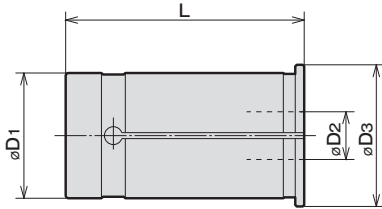
①	BT30	-	②	HPC	③	16	-	④	100	⑤	A
①	Shank Size										
②	Holder's Name										
③	Cutter's Shank Dia.										
④	G.L. Length										
⑤	Grade										

ACCESSORIES for MICRON CHUCK (Milling Chuck)



STRAIGHT COLLET

SC^①-^②



	CODE SC ^① - ^②	øD3	L
SC16	-6·8·10·12	20	47
SC20	-6·6.8·7·8·8.5·9·10·11·12·13·14·15·16	23.5	50
SC25	-6·6.8·7·8·8.5·9·10·11·12·13·14·15·16·17·18·19·20·21	30	60
SC32	-6·6.8·7·8·8.5·9·10·11·12·13·14·15·16·17·18·19·20·21·22·23·24·25	37.5	70
SC42	-6·6.8·7·8·8.5·9·10·11·12·13·14·15·16·17·18·19·20·21·22·23·24·25·32	47.5	80

ORDERING EXAMPLE

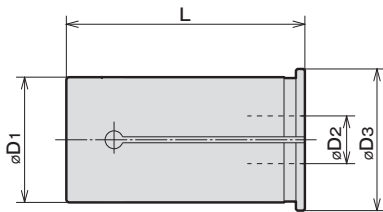
① SC ② 16 - ③ 6

- ① Name
- ② D1
- ③ D2



STRAIGHT COLLET (Oil-Hole Type)

SCOH^①-^②



CODE SCOH ^① - ^②	øD3	L	Qty of smallest insertion
SCOH20	23.5	54.5	-6
			-8
			-10
			-12
			-16
SCOH25	30	60	-6
			-8
			-10
			-12
			-16
SCOH32	37.5	70	-6
			-8
			-10
			-12
			-16

CODE SCOH ^① - ^②	øD3	L	Qty of smallest insertion
SCOH42	47.5	80	-6
			-8
			-10
			-12
			-16
			-20
			-25
-32			

ORDERING EXAMPLE

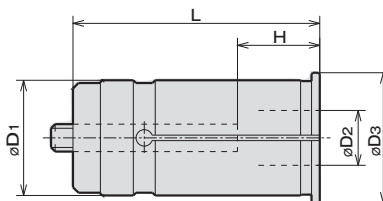
① SCOH ② 32 - ③ 20

- ① Name
- ② D1
- ③ D2



STRAIGHT COLLET WITH ADJUST SCREW

NC^①-^②



CODE NC ^① - ^②	øD3	L	H		
			MIN.	MAX.	
NC20	-6·8·10·12·16	23.5	60	25	35
NC32	6·8·10	37.5	80	20	45
	-12·16·20·25			25	55
NC42	-6·8·10·12	47.5	90	20	45
	-16·20·25·32			30	65

NOTE : Applicable to Micron chucks and Hard chucks.

ORDERING EXAMPLE

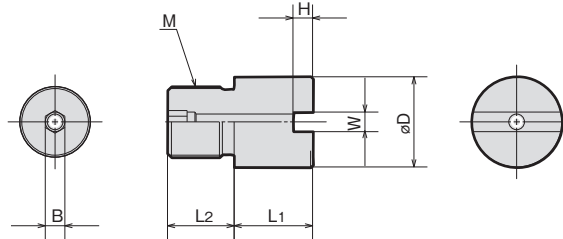
① NC ② 32 - ③ 6

- ① Name
- ② D1
- ③ D2

ACCESSORIES for MICRON CHUCK (Milling Chuck)



ADJUST SCREW (For MICRON CHUCK standard)



MODEL	CODE	øD	M	L1	L2	W	H	B	MICRON CHUCK
HAS1620-05	17602	15	M10×1.0	5	14	5	3.5	5	HPC16 HPC20
HAS1620-15	17604			15					
HAS1620-25	17606			25					
HAS2532-10	17612	23	M18×1.0	10	17	5	5	5	HPC25 HPC32
HAS2532-20	17614			20					
HAS2532-35	17616			35					
HAS4250-10	17622	33	M18×1.0	10	17	5	5	5	HPC42 HPC50
HAS4250-20	17624			20					
HAS4250-35	17626			35					

NOTE : 1. The above Adjust Screws are sold separately.
 2. Above Adjust Screws can not be used for "H" and "M" series Micron Chucks.



CHUCK WRENCH (For MICRON CHUCK standard)

HOOK SPANNER		
CHUCK CODE	WRENCH CODE	
MICRON CHUCK		
HPC16,HPC20	FS52-55G	35852
HPC25,HPC16S,HPC20S	FS58-62G	35853
HPC32,HPC25S	FS68-75G	35854
HPC42,HPC32S	FS80-90G	35855
HPC03H~HPC16H HPC03M~HPC12M HPC03N~HPC12N	FP45-48G	35851