

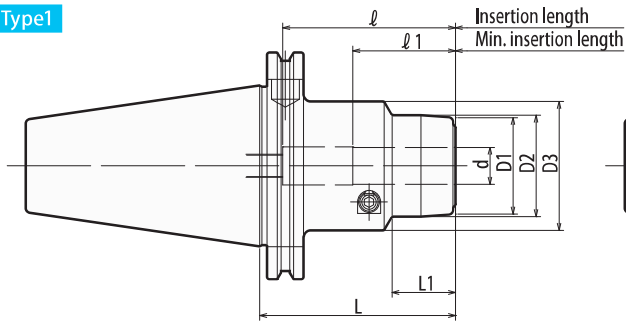


PHC·H

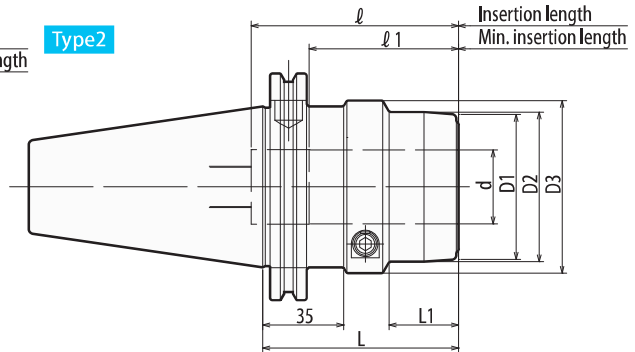
Hydro Chuck Omega Ω

High Rigidity Hydro Chuck is the best holder for high efficiency rough machining.

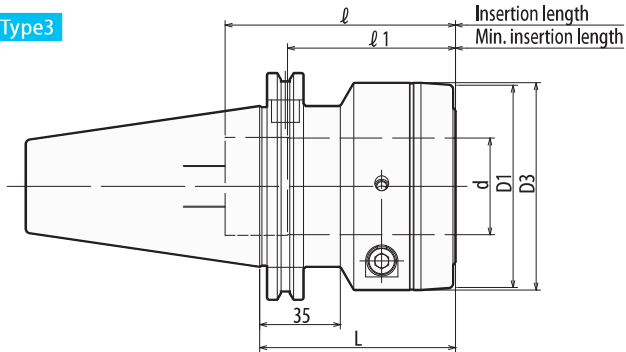
Type1



Type2



Type3



Caution

strictly keep minimum insertion length



Hex-head screws with sealed thread (included) are necessary to plug the air holes for coolant through operation. For details on installing the hex head screws, please refer to the instruction manual in the screws' packaging.

Inch Sizes

Unit : Inch

Code	Model	Type	d	L	L1	D1	D2	D3	ℓ	ℓ1	Wrench (Option)
2582 00004000	CAT40 -PHC0625H -60	3	0.625	2.362	—	1.654	—	2.205	2.756	1.772	L-4T
2582 00005000	-85	2	0.625	3.346	1.063	1.654	1.732	2.205	3.346	1.772	
2582 00006000	-PHC0750H -85	2	0.750	3.346	1.024	1.890	1.969	2.362	3.150	1.969	
2582 00007000	-105	2	0.750	4.134	1.260	1.890	1.969	2.362	4.331	1.969	
2582 00008000	-PHC1000H -85	2	1.000	3.346	0.984	2.283	2.362	2.717	3.150	2.165	L-5T
2582 00009000	-105	2	1.000	4.134	1.378	2.283	2.362	2.717	4.331	2.165	
2582 00010000	-PHC1250H -120	2	1.250	4.724	1.850	2.480	2.559	2.953	4.134	2.559	
2582 00011000	-135	2	1.250	5.315	1.850	2.480	2.559	2.953	4.724	2.559	
2582 00012000	CAT50 -PHC0625H -85	1	0.625	3.346	1.063	1.654	1.732	2.205	2.953	1.772	L-4T
2582 00013000	-105	1	0.625	4.134	1.063	1.654	1.732	2.205	3.740	1.772	
2582 00014000	-PHC0750H -85	1	0.750	3.346	1.260	1.890	1.969	2.362	3.543	1.969	
2582 00015000	-105	1	0.750	4.134	1.260	1.890	1.969	2.362	4.331	1.969	
2582 00016000	-PHC1000H -85	1	1.000	3.346	1.378	2.283	2.362	2.717	3.543	2.165	L-5T
2582 00017000	-105	1	1.000	4.134	1.378	2.283	2.362	2.717	4.331	2.165	
2582 00018000	-135	1	1.000	5.315	1.378	2.283	2.362	2.717	4.331	2.165	
2582 00019000	-PHC1250H -85	2	1.250	3.346	1.260	2.480	2.559	2.953	3.543	2.559	
2582 00020000	-105	2	1.250	4.134	1.850	2.480	2.559	2.953	4.724	2.559	L-6T
2582 00021000	-135	2	1.250	5.315	1.850	2.480	2.559	2.953	4.724	2.559	
2582 00022000	-PHC1500H -85	2	1.500	3.346	—	2.913	—	3.543	3.937	2.874	
2582 00023000	-105	2	1.500	4.134	1.811	3.071	3.150	3.543	4.724	2.874	
2582 00024000	-135	2	1.500	5.315	2.047	3.071	3.150	3.543	4.724	2.874	

Metric Sizes

Unit : Metric

Code	Model	Type	d	L	L1	D1	D2	D3	ℓ	ℓ1	Wrench (Option)
1820 01416060	CAT40 -PHC16H -60	3	16	60	—	42	—	56	70	45	L-4T
1820 01416085	-85	2	16	85	27	42	44	56	85	45	
1820 01420085	-PHC20H -85	2	20	85	26	48	50	60	80	50	
1820 01420105	-105	2	20	105	32	48	50	60	110	50	
1820 01425085	-PHC25H -85	2	25	85	25	58	60	69	80	55	L-5T
1820 01425105	-105	2	25	105	35	58	60	69	110	55	
1820 01432120	-PHC32H -120	2	32	120	47	63	65	75	105	65	
1820 01432135	-135	2	32	135	47	63	65	75	120	65	
1820 01516085	CAT50 -PHC16H -85	1	16	85	27	42	44	56	75	45	L-4T
1820 01516105	-105	1	16	105	27	42	44	56	95	45	
1820 01520085	-PHC20H -85	1	20	85	32	48	50	60	90	50	
1820 01520105	-105	1	20	105	32	48	50	60	110	50	
1820 01525085	-PHC25H -85	1	25	85	35	58	60	69	90	55	L-5T
1820 01525105	-105	1	25	105	35	58	60	69	110	55	
1820 01525135	-135	1	25	135	35	58	60	69	110	55	
1820 01532085	-PHC32H -85	2	32	85	32	63	65	75	90	65	
1820 01532105	-105	2	32	105	47	63	65	75	120	65	L-6T
1820 01532135	-135	2	32	135	47	63	65	75	120	65	
1820 01542085	-PHC42H -85	2	42	85	—	74	—	90	100	73	
1820 01542105	-105	2	42	105	46	78	80	90	120	73	
1820 01542135	-135	2	42	135	52	78	80	90	120	73	

1. PHC20H, PHC32H, PHC0750H, and PHC1250H have pin holes for collet with stopper pin on its body.
2. Tool shank diameter tolerance must be within h7.
A tolerance of h6 or 0/-0.01 is recommended when newly making a cutting tool.
3. Hex-head screws (included) are necessary to plug air hole for center through coolant feed.
4. Permissible speed is greatly affected by the stiffness of the machine spindle and the balance of the cutting tool. Gradually increase from a low speed, and use at the proper speed.

Hex. wrench	PHS · H Collet	Stopper Bolt
P. 81	P. 79	P. 77
		

Ordering Example

CAT40 - PHC16H - 60

Shank size

I.D.

Projection length

CAT