



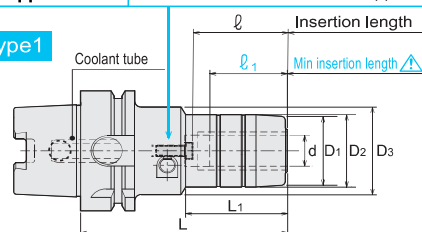
PHC-A Power Hydro Chuck

Hydro chuck with collet holder flexibility. Suitable for high precision cutting.

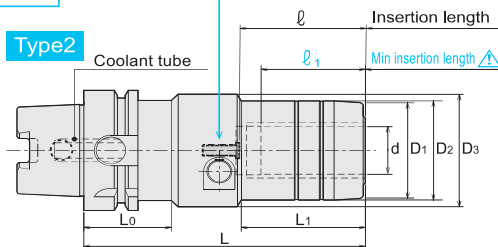
Stopper bolt

For PHC03A & PHC04A a stopper bolt cannot be used.

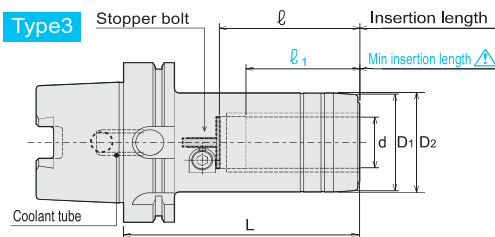
Type1



Type2



Type3



Caution

Strictly keep the min 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.

Model	Hex wrench size for stopper bolt
PHC06A ~ 08A	2.5mm
PHC09A ~ 32A	3mm

Inch Sizes

Unit: Inch

Code	Description	Type	d	L	L1	D1	D2	D3	L0	t	t1	kg	Max. min ⁻¹	Wrench (sold separate)
573015308075	HSK63A -PHC0250A -75	1	0.250	2.953	1.190	0.945	1.024	1.811	—	1.338	1.142	1.0	20500	L-4T
573015308120	-120	1	0.250	4.725	1.624	0.945	1.024	1.811	—	1.771	1.142	1.5	20500	
573015310075	-PHC0312A -75	1	0.312	2.953	1.213	1.024	1.103	1.811	—	1.338	1.142	1.0	20500	
573015310120	-120	1	0.312	4.725	1.646	1.024	1.103	1.811	—	1.771	1.142	1.5	20500	
573015312090	-PHC0375A -90	1	0.375	3.544	1.758	1.103	1.182	2.048	—	1.968	1.575	1.2	20500	
573015312120	-120	1	0.375	4.725	2.546	1.103	1.182	2.048	—	2.755	1.575	1.4	20500	
573015316090	-PHC0500A -90	1	0.500	3.544	1.826	1.339	1.418	2.048	—	1.968	1.575	1.2	20500	
573015316120	-120	1	0.500	4.725	2.614	1.339	1.418	2.048	—	2.755	1.575	1.5	20500	
573015320090	-PHC0625A -90	1	0.625	3.544	1.849	1.418	1.496	2.048	—	1.968	1.575	1.3	20500	
573015320120	-120	1	0.625	4.725	2.637	1.418	1.496	2.048	—	2.755	1.575	1.6	20500	
573015324090	-PHC0750A -90	1	0.750	3.544	1.963	1.575	1.654	1.811	—	1.968	1.575	1.3	20500	L-6T
573015324120	-120	1	0.750	4.725	2.750	1.575	1.654	1.811	—	2.755	1.575	1.6	20500	
573015332135	-PHC1000A -135	2	1.000	5.315	2.342	1.969	2.048	2.323	1.654	2.362	1.969	2.3	16000	
573015332150	-150	2	1.000	5.906	3.130	1.969	2.048	2.323	1.654	3.149	1.969	2.5	16000	
573015340135	-PHC1250A -135	2	1.250	5.315	1.668	2.363	2.441	3.347	1.654	3.149	2.560	2.9	12000	L-6T
573015340150	-150	2	1.250	5.906	—	2.363	2.441	—	1.654	3.149	2.560	3.1	12000	
573200765000	HSK100A -PHC0250A -90	1	0.250	3.544	1.190	0.945	1.024	1.811	—	1.338	1.142	2.6	12500	L-4T
573200763000	-120	1	0.250	4.725	1.624	0.945	1.024	1.811	—	1.771	1.142	2.8	12500	
573200764000	-150	1	0.250	5.906	1.624	0.945	1.024	1.811	—	1.771	1.142	3.2	12500	
573200769000	-PHC0375A -105	1	0.375	4.134	1.758	1.103	1.182	2.048	—	1.968	1.575	2.6	12500	
573200770000	-135	1	0.375	5.315	2.546	1.103	1.182	2.048	—	2.755	1.575	2.8	12500	
573200771000	-165	1	0.375	6.496	2.546	1.103	1.182	2.048	—	2.755	1.575	3.2	12500	
573200777000	-PHC0500A -105	1	0.500	4.134	1.826	1.339	1.418	2.048	—	1.968	1.575	2.8	12500	
573200778000	-135	1	0.500	5.315	2.614	1.339	1.418	2.048	—	2.755	1.575	3.1	12500	
573200779000	-165	1	0.500	6.496	2.614	1.339	1.418	2.048	—	2.755	1.575	3.5	12500	
573200772000	-PHC0625A -105	1	0.625	4.134	1.849	1.418	1.496	2.048	—	1.968	1.575	2.8	12500	
573200773000	-135	1	0.625	5.315	2.637	1.418	1.496	2.048	—	2.755	1.575	3.1	12500	L-6T
573200774000	-165	1	0.625	6.496	2.637	1.418	1.496	2.048	—	2.755	1.575	3.6	12500	
573200780000	-PHC0750A -105	1	0.750	4.134	1.963	1.575	1.654	1.811	—	1.968	1.575	2.8	12500	
573200781000	-135	1	0.750	5.315	2.750	1.575	1.654	1.811	—	2.755	1.575	3.1	12500	
573200782000	-165	1	0.750	6.496	2.750	1.575	1.654	1.811	—	2.755	1.575	3.5	12500	
573200775000	-PHC1000A -120	1	1.000	4.725	2.347	1.969	2.048	2.441	—	2.519	1.969	3.4	12500	
573200776000	-165	1	1.000	6.496	3.135	1.969	2.048	2.441	—	3.149	1.969	4.3	12500	L-6T
573200783000	-PHC1250A -135	3	1.250	5.315	—	2.363	2.441	—	—	3.149	2.560	3.9	12000	
573200784000	-165	3	1.250	6.496	—	2.363	2.441	—	—	3.149	2.560	4.6	12000	

*HSK63A, HSK100A have manual clamp holes in the shank.

- Cutting tool shank must be within tolerances specified below ;
Shank diameter less than 6mm : Within h6 tolerance
Shank diameter 6mm and over : Within h7 tolerance
h6 or 0/-0.01 tolerance is recommended when newly making a cutting tool.
- PHC0500A, PHC0750A, PHC12A and PHC20A have pin holes for collet with stopper pin on its body.
- On 3mm and 4mm chuck models there may be leaking from the inner diameter slit when using center through coolant.

PHS Collet

P. 78



Hex. wrench

P. 81



Code	Model	Type	d	L	L	D ₁	D ₂	D ₃	L ₀	ℓ	ℓ ₁	Max. min ⁻¹	kg	Wrench (Option)
5730 13203075	HSK40A -PHC03A -75	2	3	75	19.8	—	24	46	35	27	18	30,000	0.6	L-4T
5730 13204080	-PHC04A -80	2	4	80	25.1	—	25	46	35	29	24	30,000	0.6	
5730 13206090	-PHC06A -90	2	6	90	30	24	26	46	35	34	29	28,000	0.7	
5730 13207090	-PHC07A -90	2	7	90	30	26	28	46	35	34	29	28,000	0.7	
5730 13208090	-PHC08A -90	2	8	90	30	26	28	46	35	34	29	27,000	0.7	
5730 13209105	-PHC09A -105	2	9	105	44	28	30	52	35	50	40	26,000	0.9	
5730 13210105	-PHC10A -105	2	10	105	44	28	30	52	35	50	40	26,000	0.9	
5730 13211105	-PHC11A -105	2	11	105	45	30	32	52	35	50	40	25,000	0.9	
5730 13212105	-PHC12A -105	2	12	105	45	30	32	52	35	50	40	25,000	0.9	
5730 13213105	-PHC13A -105	2	13	105	46	34	36	52	35	50	40	25,000	1.0	
5730 13214105	-PHC14A -105	2	14	105	46	34	36	52	35	50	40	25,000	1.0	
5730 13215105	-PHC15A -105	2	15	105	46	36	38	52	35	50	40	25,000	1.0	
5730 13216105	-PHC16A -105	2	16	105	46	36	38	52	35	50	40	24,000	1.0	
5730 13220105	-PHC20A -105	2	20	105	49	40	42	46	35	50	40	20,000	1.0	
5730 13225120	-PHC25A -120	2	25	120	59	50	52	59	35	60	50	16,000	1.5	L-6T
5730 14203080	HSK50A -PHC03A -80	2	3	80	19.8	—	24	46	42	27	18	25,000	0.9	L-4T
5730 14204085	-PHC04A -85	2	4	85	25.1	—	25	46	42	29	24	25,000	0.9	
5730 14206090	-PHC06A -90	2	6	90	30	24	26	46	41	34	29	25,000	0.9	
5730 14207090	-PHC07A -90	2	7	90	30	26	28	46	41	34	29	25,000	0.9	
5730 14208090	-PHC08A -90	2	8	90	30	26	28	46	41	34	29	25,000	0.9	
5730 14209105	-PHC09A -105	2	9	105	44	28	30	52	41	50	40	25,000	1.0	
5730 14210105	-PHC10A -105	2	10	105	44	28	30	52	41	50	40	25,000	1.0	
5730 14211105	-PHC11A -105	2	11	105	45	30	32	52	41	50	40	25,000	1.1	
5730 14212105	-PHC12A -105	2	12	105	45	30	32	52	41	50	40	25,000	1.1	
5730 14213105	-PHC13A -105	2	13	105	46	34	36	52	41	50	40	25,000	1.1	
5730 14214105	-PHC14A -105	2	14	105	46	34	36	52	41	50	40	25,000	1.1	
5730 14215105	-PHC15A -105	2	15	105	46	36	38	52	41	50	40	25,000	1.2	
5730 14216105	-PHC16A -105	2	16	105	46	36	38	52	41	50	40	25,000	1.1	
5730 14220105	-PHC20A -105	2	20	105	49	40	42	46	41	50	40	20,000	1.1	
5730 14225135	-PHC25A -135	2	25	135	59	50	52	59	42	60	50	16,000	1.9	L-6T
5730 75203065	HSK63A -PHC03A -65 -H	1	3	65	19.8	—	24	46	—	27	18	20,500	1.0	L-4T
5730 75204070	-PHC04A -70 -H	1	4	70	25.1	—	25	46	—	29	24	20,500	1.0	
5730 75206075	-PHC06A -75 -H	1	6	75	30	24	26	46	—	34	29	20,500	1.0	
5730 75206120	-120 -H	1	6	120	41	24	26	46	—	45	29	20,500	1.5	
5730 75207075	-PHC07A -75 -H	1	7	75	30	26	28	46	—	34	29	20,500	1.0	
5730 75207120	-120 -H	1	7	120	41	26	28	46	—	45	29	20,500	1.5	
5730 75208075	-PHC08A -75 -H	1	8	75	30	26	28	46	—	34	29	20,500	1.0	
5730 75208120	-120 -H	1	8	120	41	26	28	46	—	45	29	20,500	1.5	
5730 75209090	-PHC09A -90 -H	1	9	90	44	28	30	52	—	50	40	20,500	1.2	
5730 75209120	-120 -H	1	9	120	64	28	30	52	—	70	40	20,500	1.4	
5730 75210090	-PHC10A -90 -H	1	10	90	44	28	30	52	—	50	40	20,500	1.2	
5730 75210120	-120 -H	1	10	120	64	28	30	52	—	70	40	20,500	1.4	
5730 75211090	-PHC11A -90 -H	1	11	90	45	30	32	52	—	50	40	20,500	1.2	
5730 75211120	-120 -H	1	11	120	65	30	32	52	—	70	40	20,500	1.4	
5730 75212090	-PHC12A -90 -H	1	12	90	45	30	32	52	—	50	40	20,500	1.2	
5730 75212120	-120 -H	1	12	120	65	30	32	52	—	70	40	20,500	1.4	
5730 75213090	-PHC13A -90 -H	1	13	90	46	34	36	52	—	50	40	20,500	1.2	L-4T
5730 75213120	-120 -H	1	13	120	66	34	36	52	—	70	40	20,500	1.5	
5730 75214090	-PHC14A -90 -H	1	14	90	46	34	36	52	—	50	40	20,500	1.2	
5730 75214120	-120 -H	1	14	120	66	34	36	52	—	70	40	20,500	1.5	
5730 75215090	-PHC15A -90 -H	1	15	90	46	36	38	52	—	50	40	20,500	1.3	
5730 75215120	-120 -H	1	15	120	66	36	38	52	—	70	40	20,500	1.6	
5730 75216090	-PHC16A -90 -H	1	16	90	46	36	38	52	—	50	40	20,500	1.3	
5730 75216120	-120 -H	1	16	120	66	36	38	52	—	70	40	20,500	1.6	
5730 75220090	-PHC20A -90 -H	1	20	90	49	40	42	46	—	50	40	20,500	1.3	
5730 75220120	-120 -H	1	20	120	69	40	42	46	—	70	40	20,500	1.5	
5730 75225135	-PHC25A -135 -H	2	25	135	59	50	52	59	42	60	50	16,000	2.3	
5730 75225150	-150 -H	2	25	150	79	50	52	59	42	80	50	16,000	2.5	
5730 75232135	-PHC32A -135 -H	2	32	135	42	60	62	85	42	80	65	12,000	3.1	
5730 75232150	-150 -H	2	32	150	108	60	62	62	42	80	65	12,000	2.9	
5730 77206090	HSK100A -PHC06A -90 -H	1	6	90	30	24	26	46	—	34	29	12,500	2.6	L-4T
5730 77206120	-120 -H	1	6	120	41	24	26	46	—	45	29	12,500	2.8	
5730 77206150	-150 -H	1	6	150	41	24	26	46	—	45	29	12,500	3.2	
5730 77207090	-PHC07A -90 -H	1	7	90	30	26	28	46	—	34	29	12,500	2.6	
5730 77207120	-120 -H	1	7	120	41	26	28	46	—	45	29	12,500	2.8	
5730 77207150	-150 -H	1	7	150	41	26	28	46	—	45	29	12,500	3.2	
5730 77208090	-PHC08A -90 -H	1	8	90	30	26	28	46	—	34	29	12,500	2.6	
5730 77208120	-120 -H	1	8	120	41	26	28	46	—	45	29	12,500	2.8	
5730 77208150	-150 -H	1	8	150	41	26	28	46	—	45	29	12,500	3.2	
5730 77209105	-PHC09A -105 -H	1	9	105	44	28	30	52	—	50	40	12,500	2.7	
5730 77209135	-135 -H	1	9	135	64	28	30	52	—	70	40	12,500	3.0	
5730 77209165	-165 -H	1	9	165	64	28	30	52	—	70	40	12,500	3.5	
5730 77210105	-PHC10A -105 -H	1	10	105	44	28	30	52	—	50	40	12,500	2.7	
5730 77210135	-135 -H	1	10	135	64	28	30	52	—	70	40	12,500	3.0	
5730 77210165	-165 -H	1	10	165	64	28	30	52	—	70	40	12,500	3.5	
5730 77211105	-PHC11A -105 -H	1	11	105	45	30	32	52	—	50	40	12,500	2.7	
5730 77211135	-135 -H	1	11	135	65	30	32	52	—	70	40	12,500	3.0	
5730 77211165	-165 -H	1	11	165	65	30	32	52	—	70	40	12,500	3.5	
5730 77212105	-PHC12A -105 -H	1	12	105	45	30	32	52	—	50	40	12,500	2.7	
5730 77212135	-135 -H	1	12	135	65	30	32	52	—	70	40	12,500	3.0	
5730 77212165	-165 -H	1	12	165	65	30	32	52	—	70	40	12,500	3.5	
5730 77213105	-PHC13A -105 -H	1	13	105	46	34	36	52	—	50	40	12,500	2.8	
5730 77213135	-135 -H	1	13	135	66	34	36	52	—	70	40	12,500	3.1	
5730 77213165	-165 -H	1	13	165	66	34	36	52	—	70	40	12,500	3.5	
5730 77214105	-PHC14A -105 -H	1	14	105	46	34	36	52	—	50	40	12,500	2.8	
5730 77214135	-135 -H	1	14	135	66	34	36	52	—	70	40			