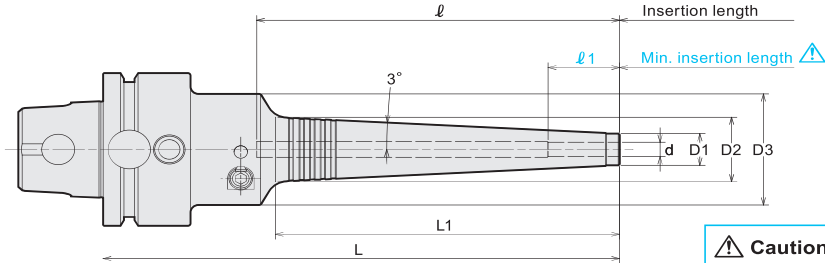




PHC-SB Slim Hydro Chuck

Perfect choice for tight space applications, such as endmill finishing, drilling and reaming on 5-axis machines.



Code	Model	d	L	L1	D1	D2	D3	l	l1	min ⁻¹	kg	Wrench (Option)
1490 21103080	UTS5040 -PHC03SB -80 -H	3	80	28	11	14.0	46	68	16	25,000	0.7	L-4T
1490 21103090	-90 -H	3	90	37	11	14.9	46	78	16	25,000	0.7	
1490 21103135	-135 -H	3	135	84	11	19.9	46	123	16	21,000	1.0	
1490 21104080	-PHC04SB -80 -H	4	80	28	11	14.0	46	68	19	25,000	0.7	
1490 21104090	-90 -H	4	90	37	11	14.9	46	78	19	25,000	0.7	
1490 21104135	-135 -H	4	135	84	11	19.9	46	123	19	21,000	1.0	
1490 21106090	-PHC06SB -90 -H	6	90	38	13	17.0	46	51	27	25,000	1.0	
1490 21106150	-150 -H	6	150	99	13	23.4	46	107	27	20,000	1.2	
1490 21106165	-165 -H	6	165	114	13	25.0	46	122	27	15,000	1.2	
1490 21106180	-180 -H	6	180	130	13	26.7	46	137	27	12,000	1.3	
1490 21107090	-PHC07SB -90 -H	7	90	38	14	18.0	46	51	27	24,000	1.1	
1490 21107150	-150 -H	7	150	99	14	24.4	46	107	27	20,000	1.2	
1490 21107165	-165 -H	7	165	114	14	26.0	46	122	27	15,000	1.2	
1490 21107180	-180 -H	7	180	130	14	27.7	46	137	27	12,000	1.3	
1490 21108090	-PHC08SB -90 -H	8	90	38	15	19.0	46	51	27	24,000	1.1	
1490 21108150	-150 -H	8	150	99	15	25.4	46	107	27	19,000	1.2	
1490 21108165	-165 -H	8	165	114	15	27.0	46	122	27	15,000	1.2	
1490 21108180	-180 -H	8	180	130	15	28.7	46	137	27	12,000	1.3	
1490 21109105	-PHC09SB -105 -H	9	105	53	16	21.6	46	66	33	23,000	1.1	
1490 21109150	-150 -H	9	150	99	16	26.4	46	107	33	19,000	1.2	
1490 21109165	-165 -H	9	165	114	16	28.0	46	122	33	15,000	1.3	
1490 21109180	-180 -H	9	180	130	16	29.7	46	137	33	12,000	1.3	
1490 21110105	-PHC10SB -105 -H	10	105	53	17	22.6	46	66	33	23,000	1.1	
1490 21110150	-150 -H	10	150	99	17	27.4	46	107	33	19,000	1.2	
1490 21110165	-165 -H	10	165	114	17	29.0	46	122	33	15,000	1.3	
1490 21110180	-180 -H	10	180	130	17	30.7	46	137	33	12,000	1.3	
1490 21111105	-PHC11SB -105 -H	11	105	53	18	23.6	46	66	36	23,000	1.1	
1490 21111150	-150 -H	11	150	99	18	28.4	46	107	36	18,000	1.2	
1490 21111165	-165 -H	11	165	114	18	30.0	46	122	36	14,000	1.3	
1490 21111180	-180 -H	11	180	130	18	31.7	46	137	36	11,000	1.4	
1490 21112105	-PHC12SB -105 -H	12	105	53	19	24.6	46	66	36	22,000	1.1	
1490 21112150	-150 -H	12	150	99	19	29.4	46	107	36	18,000	1.2	
1490 21112165	-165 -H	12	165	114	19	31.0	46	122	36	14,000	1.3	
1490 21112180	-180 -H	12	180	130	19	32.7	46	137	36	11,000	1.4	

- 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.
- Hex-head screws (included) are necessary to plug air hole for center through coolant feed.
- ℓ indicates dimension when using without a preset screw.
() dimension is to end of retention stud.
- On 3mm and 4mm chuck models there may be leaking from the inner diameter slit when using center through coolant.

Inch size upon request

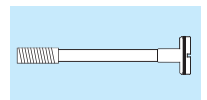
Hex. wrench

P. 81



Preset Screw

P. 70



Low Pressure Code	High Pressure Code	Model	d	L	L1	D1	D2	D3	ℓ ※1	ℓ1	kg	Max. min ⁻¹	Wrench (sold separate)
149020203090	149021203090	UTS6350 -PHC03SB -90	3	90	28	11	14.0	46	78	16	1.1	20000	L-4T
149020203100	149021203100	-100	3	100	37	11	14.9	46	88	16	1.1	20000	
149020203145	149021203145	-145	3	145	84	11	19.9	46	133	16	1.4	20000	
149020204090	149021204090	-PHC04SB -90	4	90	28	11	14.0	46	78	19	1.3	20000	
149020204100	149021204100	-100	4	100	37	11	14.9	46	88	19	1.1	20000	
149020204145	149021204145	-145	4	145	84	11	19.9	46	133	19	1.4	19000	
149020206105	149021206105	-PHC06SB -105	6	105	38	13	17.0	46	55	27	1.4	20000	
149020206150	149021206150	-150	6	150	84	13	21.9	46	92	27	1.5	20000	
149020206165	149021206165	-165	6	165	99	13	23.4	46	107	27	1.6	15000	
149020206180	149021206180	-180	6	180	114	13	25.0	46	122	27	1.6	12000	
149020206195	149021206195	-195	6	195	130	13	26.7	46	137	27	1.7	10000	
149020207105	149021207105	-PHC07SB -105	7	105	38	14	18.0	46	55	27	1.4	20000	
149020207150	149021207150	-150	7	150	84	14	22.9	46	92	27	1.5	20000	
149020207165	149021207165	-165	7	165	99	14	24.4	46	107	27	1.6	15000	
149020207180	149021207180	-180	7	180	114	14	26.0	46	122	27	1.6	12000	
149020207195	149021207195	-195	7	195	130	14	27.7	46	137	27	1.7	10000	
149020208105	149021208105	-PHC08SB -105	8	105	38	15	19.0	46	55	27	1.4	20000	
149020208150	149021208150	-150	8	150	84	15	23.9	46	92	27	1.4	20000	
149020208165	149021208165	-165	8	165	99	15	25.4	46	107	27	1.5	15000	
149020208180	149021208180	-180	8	180	114	15	27.0	46	122	27	1.5	12000	
149020208195	149021208195	-195	8	195	130	15	28.7	46	137	27	1.6	10000	
149020209120	149021209120	-PHC09SB -120	9	120	53	16	21.6	46	69	33	1.4	20000	
149020209150	149021209150	-150	9	150	84	16	24.9	46	92	33	1.4	20000	
149020209165	149021209165	-165	9	165	99	16	26.4	46	107	33	1.5	15000	
149020209180	149021209180	-180	9	180	114	16	28.0	46	122	33	1.6	12000	
149020209195	149021209195	-195	9	195	130	16	29.7	46	137	33	1.6	10000	
149020210120	149021210120	-PHC10SB -120	10	120	53	17	22.6	46	69	33	1.4	20000	
149020210150	149021210150	-150	10	150	84	17	25.9	46	92	33	1.5	20000	
149020210165	149021210165	-165	10	165	99	17	27.4	46	107	33	1.5	15000	
149020210180	149021210180	-180	10	180	114	17	29.0	46	122	33	1.6	12000	
149020210195	149021210195	-195	10	195	130	17	30.7	46	137	33	1.6	10000	
149020211120	149021211120	-PHC11SB -120	11	120	53	18	23.6	46	69	36	1.4	20000	
149020211150	149021211150	-150	11	150	84	18	26.9	46	92	36	1.5	19000	
149020211165	149021211165	-165	11	165	99	18	28.4	46	107	36	1.5	15000	
149020211180	149021211180	-180	11	180	114	18	30.0	46	122	36	1.6	12000	
149020211195	149021211195	-195	11	195	130	18	31.7	46	137	36	1.7	10000	
149020212020	149021212120	-PHC12SB -120	12	120	53	19	24.6	46	69	36	1.4	20000	
149020212150	149021212150	-150	12	150	84	19	27.9	46	92	36	1.5	19000	
149020212165	149021212165	-165	12	165	99	19	29.4	46	107	36	1.5	15000	
149020212180	149021212180	-180	12	180	114	19	31.0	46	122	36	1.6	12000	
149020212195	149021212195	-195	12	195	130	19	32.7	46	137	36	1.7	10000	
149020216150	149021216150	-PHC16SB -150	16	150	84	23	31.9	52.5	91	40	1.6	18000	
149020216180	149021216180	-180	16	180	114	23	35.0	52.5	120	40	1.8	12000	
149020216195	149021216195	-195	16	195	129	23	36.6	52.5	135	40	1.9	10000	
149020220150	149021220150	-PHC20SB -150	20	150	84	28	36.9	60	91	40	2	18000	
149020220180	149021220180	-180	20	180	114	28	40.0	60	120	40	2.1	14000	
149020220195	149021220195	-195	20	195	129	28	41.6	60	135	40	2.2	12000	
149020225150	149021225150	-PHC25SB -150	25	150	84	37	45.9	60	91	50	2.1	16000	
149020225180	149021225180	-180	25	180	114	37	49.0	60	120	50	2.2	14000	
149020225195	149021225195	-195	25	195	129	37	50.6	60	135	50	2.4	12000	

*When ordering high pressure models add-H

Ordering Example

Low pressure type

0~1.0MPa

UTS6350 - PHC16SB - 150

Shank size

I.D.

Projection length

Ordering Example

High pressure type

1.1~7.0MPa

UTS6350 - PHC16SB - 150 - H

Shank size

I.D.

Projection length

High pressure type

Inch size upon request