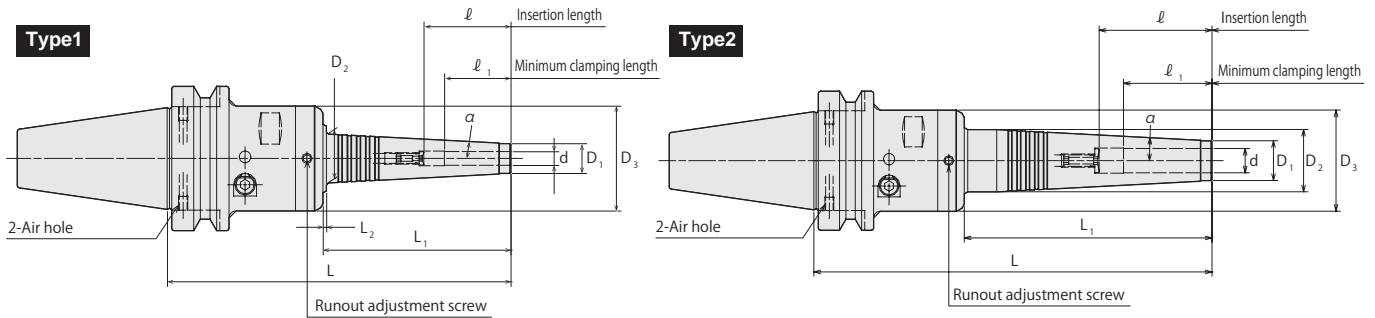


PHZ · S New

Slim Hydro "R" Zero Holder

● Runout accuracy of the cutting edge can be adjusted as closely as to zero.



Metric Sizes

Unit : Metric

Code	Model	Type	d	L	L1	L2	D1	D2	D3	l	l1	α	Hex. wrench for the actuating screw (Option)	Hex. wrench for runout adjustment screw (Option)
3600 00106150	BT30 -PHZ06S -150	1	6	150	82	1.5	13	21.5	46	37	29	3°	L-4T	L-3T
3600 00106180	-180	1	6	180	112	1.5	13	24.6	46	37	29	3°		
3600 00107150	-PHZ07S -150	1	7	150	82	1.5	14	22.5	46	37	29	3°		
3600 00107180	-180	1	7	180	112	1.5	14	25.6	46	37	29	3°		
3600 00108150	-PHZ08S -150	1	8	150	82	1.5	15	23.5	46	50	29	3°		
3600 00108180	-180	1	8	180	112	1.5	15	26.6	46	50	29	3°		
3600 00109150	-PHZ09S -150	1	9	150	82	1.5	16	24.5	46	50	40	3°		
3600 00109180	-180	1	9	180	112	—	16	27.6	46	50	40	3°		
3600 00110150	-PHZ10S -150	1	10	150	82	1.5	17	25.5	46	50	40	3°		
3600 00110180	-180	2	10	180	112	—	17	28.2	46	50	40	3°		
3600 00111150	-PHZ11S -150	1	11	150	82	1.5	18	26.5	46	50	40	3°		
3600 00111180	-180	2	11	180	112	—	18	28.2	46	50	40	3°		
3600 00112150	-PHZ12S -150	1	12	150	82	—	19	27.4	46	70	40	3°		
3600 00112180	-180	2	12	180	112	—	19	28.2	46	70	40	3°		
3600 00306150	BT40 -PHZ06S -150	1	6	150	82	1.5	13	21.5	46	37	29	3°	L-4T	L-3T
3600 00306180	-180	1	6	180	112	1.5	13	24.6	46	37	29	3°		
3600 00307150	-PHZ07S -150	1	7	150	82	1.5	14	22.5	46	37	29	3°		
3600 00307180	-180	1	7	180	112	1.5	14	25.6	46	37	29	3°		
3600 00308150	-PHZ08S -150	1	8	150	82	1.5	15	23.5	46	50	29	3°		
3600 00308180	-180	1	8	180	112	1.5	15	26.6	46	50	29	3°		
3600 00309150	-PHZ09S -150	1	9	150	82	1.5	16	24.5	46	50	40	3°		
3600 00309180	-180	1	9	180	112	—	16	27.6	46	50	40	3°		
3600 00310150	-PHZ10S -150	1	10	150	82	1.5	17	25.5	46	50	40	3°		
3600 00310180	-180	2	10	180	112	—	17	28.2	46	50	40	3°		
3600 00311150	-PHZ11S -150	1	11	150	82	1.5	18	26.5	46	50	40	3°		
3600 00311180	-180	2	11	180	112	—	18	28.2	46	50	40	3°		
3600 00312150	-PHZ12S -150	1	12	150	82	—	19	27.4	46	70	40	3°		
3600 00312180	-180	2	12	180	112	—	19	28.2	46	70	40	3°		
3600 00506165	BT50 -PHZ06S -165	1	6	165	82	1.5	13	21.5	46	37	29	3°	L-4T	L-3T
3600 00506195	-195	1	6	195	112	1.5	13	24.6	46	37	29	3°		
3600 00507165	-PHZ07S -165	1	7	165	82	1.5	14	22.5	46	37	29	3°		
3600 00507195	-195	1	7	195	112	1.5	14	25.6	46	37	29	3°		
3600 00508165	-PHZ08S -165	1	8	165	82	1.5	15	23.5	46	50	29	3°		
3600 00508195	-195	1	8	195	112	1.5	15	26.6	46	50	29	3°		
3600 00509165	-PHZ09S -165	1	9	165	82	1.5	16	24.5	46	50	40	3°		
3600 00509195	-195	1	9	195	112	—	16	27.6	46	50	40	3°		
3600 00510165	-PHZ10S -165	1	10	165	82	1.5	17	25.5	46	50	40	3°		
3600 00510195	-195	2	10	195	112	—	17	28.2	46	50	40	3°		
3600 00511165	-PHZ11S -165	1	11	165	82	1.5	18	26.5	46	50	40	3°		
3600 00511195	-195	2	11	195	112	—	18	28.2	46	50	40	3°		
3600 00512165	-PHZ12S -165	1	12	165	82	—	19	27.4	46	70	40	3°		
3600 00512195	-195	2	12	195	112	—	19	28.2	46	70	40	3°		

1. Tool shank diameter tolerance must be within h6.
2. Do not leave the holder with actuating screw tightened when the chuck is empty.
3. Hex-head screws (included) are necessary to plug air hole for center through coolant feed.

Tightening torque (Torque wrench : p.498)

model	I.D. (d)		Tightening torque (Nm)
	mm	inch	
PHZ-S	06 ~ 12	—	9 ~ 10

Hex. Wrench

P. 095

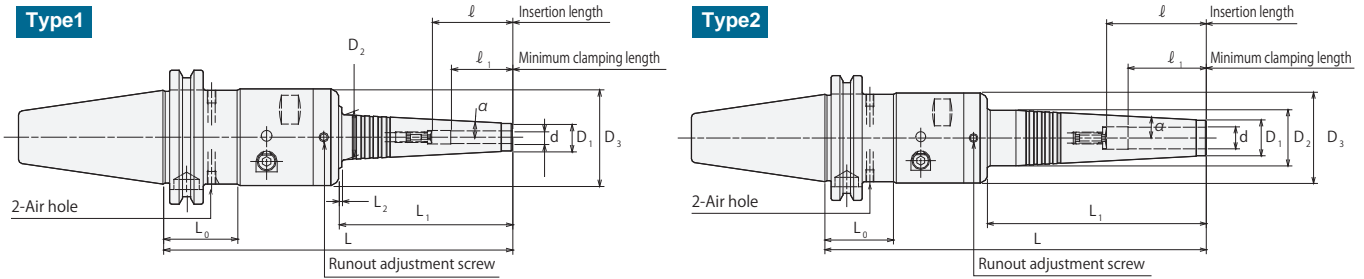


Ordering Example

BT40 - PHZ 8 S - 105
 Shank size Max. collet I.D. Projection length (L)

PHZ · S New

Slim Hydro "R" Zero Holder

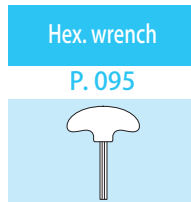


Metric Sizes Unit : Metric

Code	Model	Type	d	L	L1	L2	D1	D2	D3	L0	ℓ	ℓ 1	α	Hex. wrench for the actuating screw (Option)	Hex. wrench for runout adjustment screw (Option)
1810 00406150	CAT40 -PHZ06S -150	1	6	150	67	1.5	13	19.9	46	35.05	37	29	3°	L-4T	L-3T
1810 00406180	-180	1	6	180	97	1.5	13	23.1	46	35.05	37	29	3°		
1810 00407150	CAT40 -PHZ07S -150	1	7	150	67	1.5	14	20.9	46	35.05	37	29	3°		
1810 00407180	-180	1	7	180	97	1.5	14	24.1	46	35.05	37	29	3°		
1810 00408150	CAT40 -PHZ08S -150	1	8	150	67	1.5	15	21.9	46	35.05	50	29	3°		
1810 00408180	-180	1	8	180	97	1.5	15	25.1	46	35.05	50	29	3°		
1810 00409150	CAT40 -PHZ09S -150	1	9	150	67	1.5	16	22.9	46	35.05	50	40	3°		
1810 00409180	-180	1	9	180	97	1.5	16	26.1	46	35.05	50	40	3°		
1810 00410150	CAT40 -PHZ10S -150	1	10	150	67	1.5	17	23.9	46	35.05	50	40	3°		
1810 00410180	-180	1	10	180	97	1.5	17	27.1	46	35.05	50	40	3°		
1810 00411150	CAT40 -PHZ11S -150	1	11	150	67	1.5	18	24.9	46	35.05	50	40	3°		
1810 00411180	-180	1	11	180	97	—	18	28	46	35.05	50	40	3°		
1810 00412150	CAT40 -PHZ12S -150	1	12	150	67	1.5	19	25.9	46	35.05	70	40	3°		
1810 00412180	-180	2	12	180	97	—	19	28.2	46	35.05	70	40	3°		

1. Tool shank diameter tolerance must be within h6.
2. Do not leave the holder with actuating screw tightened when the chuck is empty.
3. Hex-head screws (included) are necessary to plug air hole for center through coolant feed.

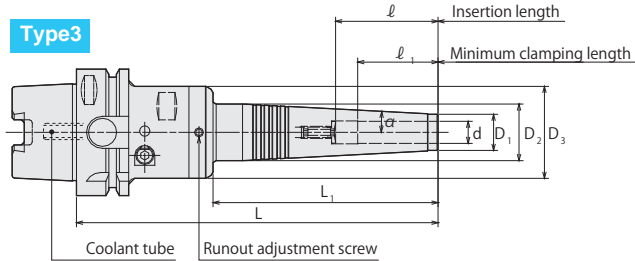
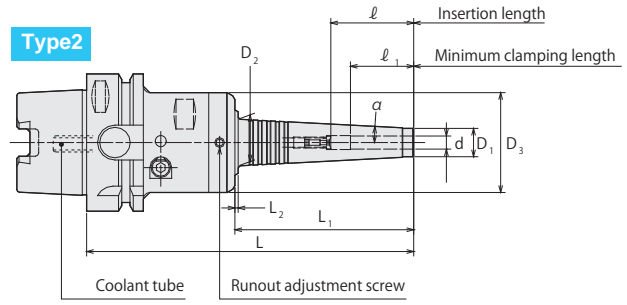
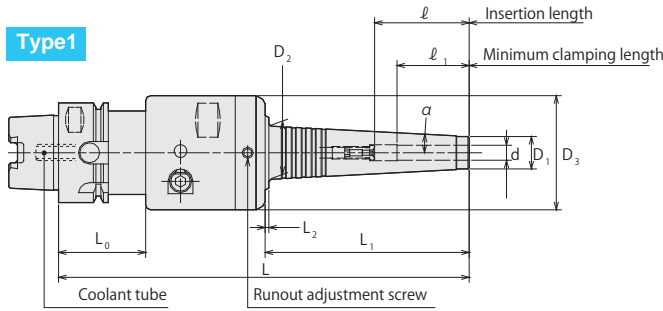
Tightening torque (Torque wrench : p.498)			
model	I.D. (d)		Tightening torque (Nm)
	mm	inch	
PHZ-S	06 ~ 12	—	9 ~ 10



Ordering Example
CAT40 - PHZ 12 S - 150
 Shank size I.D. (d) Projection length (L)

PHZ · S New

Slim Hydro "R" Zero Holder



● Coolant tube is included.

Tightening torque (Torque wrench : p.498)

model	I.D. (d)		Tightening torque (Nm)
	mm	inch	
PHZ-S	06 ~ 12	—	9 ~ 10

Adjustment wrench

P. 095



Metric Sizes

Unit : Metric

Code	Model	Type	d	L	L1	L2	D1	D2	D3	L0	ℓ	ℓ1	α	Hex. wrench for the actuating screw (Option)	Hex. wrench for runout adjustment screw (Option)
5930 13006165	HSK40A -PHZ06S -165	1	6	165	82	1.5	13	21.5	46	35	37	29	3°	L-4T	L-3T
5930 13007165	HSK40A -PHZ07S -165	1	7	165	82	1.5	14	22.5	46	35	37	29	3°		
5930 13008165	HSK40A -PHZ08S -165	1	8	165	82	1.5	15	23.5	46	35	50	29	3°		
5930 13009165	HSK40A -PHZ09S -165	1	9	165	82	1.5	16	24.5	46	35	50	40	3°		
5930 13010165	HSK40A -PHZ10S -165	1	10	165	82	1.5	17	25.5	46	35	50	40	3°		
5930 13011165	HSK40A -PHZ11S -165	1	11	165	82	1.5	18	26.5	46	35	50	40	3°		
5930 13012165	HSK40A -PHZ12S -165	1	12	165	82	—	19	27.4	46	35	70	40	3°		
5930 15006150	HSK63A -PHZ06S -150	2	6	150	82	1.5	13	21.5	46	—	37	29	3°	L-4T	L-3T
5930 15006180	-180	2	6	180	112	1.5	13	24.6	46	—	37	29	3°		
5930 15007150	HSK63A -PHZ07S -150	2	7	150	82	1.5	14	22.5	46	—	37	29	3°		
5930 15007180	-180	2	7	180	112	1.5	14	25.6	46	—	37	29	3°		
5930 15008150	HSK63A -PHZ08S -150	2	8	150	82	1.5	15	23.5	46	—	50	29	3°		
5930 15008180	-180	2	8	180	112	1.5	15	26.6	46	—	50	29	3°		
5930 15009150	HSK63A -PHZ09S -150	2	9	150	82	1.5	16	24.5	46	—	50	40	3°	L-4T	L-3T
5930 15009180	-180	2	9	180	112	—	16	27.6	46	—	50	40	3°		
5930 15010150	HSK63A -PHZ10S -150	2	10	150	82	1.5	17	25.5	46	—	50	40	3°		
5930 15010180	-180	3	10	180	112	—	17	28.2	46	—	50	40	3°		
5930 15011150	HSK63A -PHZ11S -150	2	11	150	82	1.5	18	26.5	46	—	50	40	3°		
5930 15011180	-180	3	11	180	112	—	18	28.2	46	—	50	40	3°		
5930 15012150	HSK63A -PHZ12S -150	2	12	150	82	—	19	27.4	46	—	70	40	3°	L-4T	L-3T
5930 15012180	-180	3	12	180	112	—	19	28.2	46	—	70	40	3°		
5930 17006165	HSK100A -PHZ06S -165	2	6	165	82	1.5	13	21.5	46	—	37	29	3°		
5930 17006195	-195	2	6	195	112	1.5	13	24.6	46	—	37	29	3°		
5930 17007165	HSK100A -PHZ07S -165	2	7	165	82	1.5	14	22.5	46	—	37	29	3°		
5930 17007195	-195	2	7	195	112	1.5	14	25.6	46	—	37	29	3°		
5930 17008165	HSK100A -PHZ08S -165	2	8	165	82	1.5	15	23.5	46	—	50	29	3°	L-4T	L-3T
5930 17008195	-195	2	8	195	112	1.5	15	26.6	46	—	50	29	3°		
5930 17009165	HSK100A -PHZ09S -165	2	9	165	82	1.5	16	24.5	46	—	50	40	3°		
5930 17009195	-195	2	9	195	112	—	16	27.6	46	—	50	40	3°		
5930 17010165	HSK100A -PHZ10S -165	2	10	165	82	1.5	17	25.5	46	—	50	40	3°		
5930 17010195	-195	3	10	195	112	—	17	28.2	46	—	50	40	3°		
5930 17011165	HSK100A -PHZ11S -165	2	11	165	82	1.5	18	26.5	46	—	50	40	3°	L-4T	L-3T
5930 17011195	-195	3	11	195	112	—	18	28.2	46	—	50	40	3°		
5930 17012165	HSK100A -PHZ12S -165	2	12	165	82	—	19	27.4	46	—	70	40	3°		
5930 17012195	-195	3	12	195	112	—	19	28.2	46	—	70	40	3°		

1. Tool shank diameter tolerance must be within h6.
2. Do not leave the holder with actuating screw tightened when the chuck is empty.

Ordering Example

HSK63A - PHZ 06 S - 150
 Shank size I.D. (d) Projection length (L)