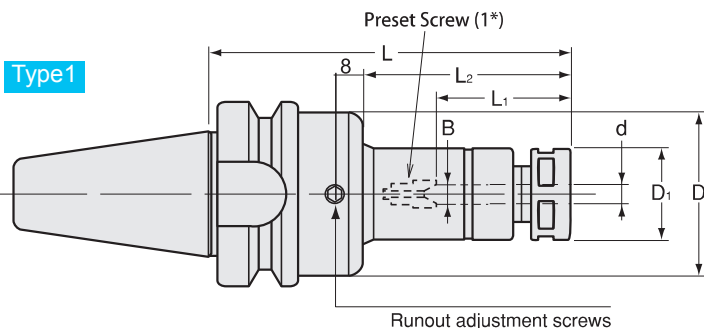




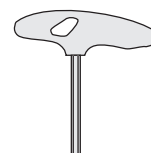
HDZ "R" Zero Holder

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

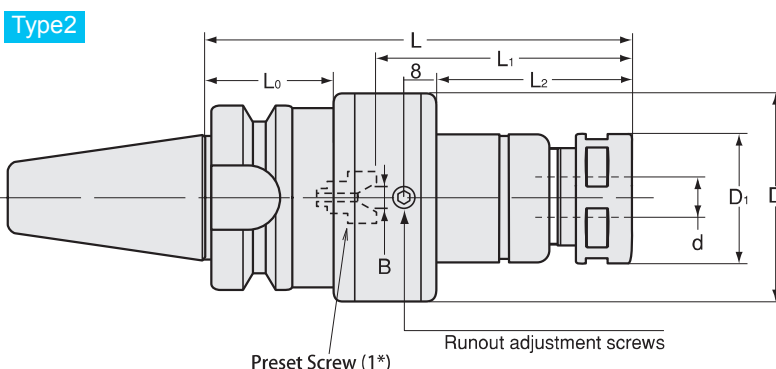
Max RPM
20,000



Adjustment wrench



Model	Code
L-3T	6080 00000030
L-4T	6080 00115576
L-5T	6080 00115577
L-6T	6080 00115578



Unit : Metric

Code	Model	Type	d	L	L1	L2	B	D	D1	L0	kg	Nut	Collet	Spanner	Wrench
3090 10706000	BT30 -HDZ07 -60	1	0.5 ~ 7.0	60	22 ~ 45	22	0 ~ 4	41	23	—	0.6	HDP-07A	FDC-07	S-0	L-3T
3090 10707500	-75	1	0.5 ~ 7.0	75	22 ~ 45	37	0 ~ 4	41	23	—	0.6				
3090 10709000	-90	1	0.5 ~ 7.0	90	22 ~ 45	52	0 ~ 4	41	23	—	0.7				
3090 10710500	-105	1	0.5 ~ 7.0	105	22 ~ 45	67	0 ~ 4	41	23	—	0.7				
3090 10907500	-HDZ09 -75	1	2.5 ~ 9.0	75	27 ~ 57	37	0 ~ 4	45	26	—	0.7	HDP-09	FDC-09	S-1L	L-3T
3090 10909000	-90	1	2.5 ~ 9.0	90	27 ~ 57	52	0 ~ 4	45	26	—	0.7				
3090 10910500	-105	1	2.5 ~ 9.0	105	27 ~ 57	67	0 ~ 4	45	26	—	0.8				
3090 11209000	-HDZ12 -90	2	2.5 ~ 12.0	90	33 ~ 69	33	0 ~ 5	52	32	32	1.0	HDP-12	FDC-12	S-3L	L-4T
3090 11210500	-105	2	2.5 ~ 12.0	105	33 ~ 69	48	0 ~ 5	52	32	32	1.1				
3090 11609000	-HDZ16 -90	2	3.5 ~ 16.0	90	38 ~ 82	33	0 ~ 6	56	36	32	1.0	HDP-16	FDC-16	S-4L	L-4T
3090 11610500	-105	2	3.5 ~ 16.0	105	38 ~ 82	48	0 ~ 6	56	36	32	1.1				
3090 11612000	-120	2	3.5 ~ 16.0	120	38 ~ 82	63	0 ~ 6	56	36	32	1.2				
3090 30707500	BT40 -HDZ07 -75	1	0.5 ~ 7.0	75	22 ~ 45	32	0 ~ 4	41	23	—	1.2	HDP-07A	FDC-07	S-0	L-3T
3090 30709000	-90	1	0.5 ~ 7.0	90	22 ~ 45	47	0 ~ 4	41	23	—	1.2				
3090 30710500	-105	1	0.5 ~ 7.0	105	22 ~ 45	62	0 ~ 4	41	23	—	1.3				
3090 30909000	-HDZ09 -90	1	2.5 ~ 9.0	90	27 ~ 57	47	0 ~ 4	45	26	—	1.3	HDP-09	FDC-09	S-1L	L-3T
3090 30910500	-105	1	2.5 ~ 9.0	105	27 ~ 57	62	0 ~ 4	45	26	—	1.3				
3090 30912000	-120	1	2.5 ~ 9.0	120	27 ~ 57	77	0 ~ 4	45	26	—	1.4				
3090 30913500	-135	1	2.5 ~ 9.0	135	27 ~ 57	92	0 ~ 4	45	26	—	1.4				
3090 30916500	-165	1	2.5 ~ 9.0	165	27 ~ 57	122	0 ~ 4	45	26	—	1.6	HDP-12	FDC-12	S-3L	L-4T
3090 31209000	-HDZ12 -90	1	2.5 ~ 12.0	90	33 ~ 69	43	0 ~ 5	56	32	—	1.5				
3090 31210500	-105	1	2.5 ~ 12.0	105	33 ~ 69	58	0 ~ 5	56	32	—	1.6				
3090 31212000	-120	1	2.5 ~ 12.0	120	33 ~ 69	73	0 ~ 5	56	32	—	1.6				
3090 31213500	-135	1	2.5 ~ 12.0	135	33 ~ 69	88	0 ~ 5	56	32	—	1.7	HDP-16	FDC-16	S-4L	L-4T
3090 31216500	-165	1	2.5 ~ 12.0	165	33 ~ 69	118	0 ~ 5	56	32	—	1.9				
3090 31219500	-195	1	2.5 ~ 12.0	195	33 ~ 69	148	0 ~ 5	56	32	—	2.0				
3090 31609000	-HDZ16 -90	1	3.5 ~ 16.0	90	38 ~ 82	43	0 ~ 6	62	36	—	1.6				
3090 31610500	-105	1	3.5 ~ 16.0	105	38 ~ 82	58	0 ~ 6	62	36	—	1.7	HDP-22	FDC-22	S-5L	L-6T
3090 31612000	-120	1	3.5 ~ 16.0	120	38 ~ 82	73	0 ~ 6	62	36	—	1.8				
3090 31613500	-135	1	3.5 ~ 16.0	135	38 ~ 82	88	0 ~ 6	62	36	—	1.9				
3090 31616500	-165	1	3.5 ~ 16.0	165	38 ~ 82	118	0 ~ 6	62	36	—	2.1				
3090 31619500	-195	1	3.5 ~ 16.0	195	38 ~ 82	148	0 ~ 6	62	36	—	2.3	HDP-22	FDC-22	S-5L	L-6T
3090 32210510	-HDZ22A -105	2	3.5 ~ 22.0	105	47 ~ 103	31	0 ~ 8	69	46	45	2.1				
3090 32212010	-120	2	3.5 ~ 22.0	120	47 ~ 103	46	0 ~ 8	69	46	45	2.3				
3090 32213510	-135	2	3.5 ~ 22.0	135	47 ~ 103	61	0 ~ 8	69	46	45	2.5				
3090 32216510	-165	2	3.5 ~ 22.0	165	47 ~ 103	91	0 ~ 8	69	46	45	2.8	HDP-22	FDC-22	S-5L	L-6T
3090 32219510	-195	2	3.5 ~ 22.0	195	47 ~ 103	121	0 ~ 8	69	46	45	3.2				

Code	Model	Type	d	L	L1	L2	B	D	D1	L0	kg	Nut	Collet	Spanner	Wrench
3090 50709000	BT50 -HDZ07 -90	1	0.5 ~ 7.0	90	22 ~ 45	36	0 ~ 4	41	23	—	3.8	HDP-07A	FDC-07A	S-0	L-3T
3090 50710500		1	0.5 ~ 7.0	105	22 ~ 45	51	0 ~ 4	41	23	—	3.8				
3090 50712000		1	0.5 ~ 7.0	120	22 ~ 45	66	0 ~ 4	41	23	—	3.8				
3090 50713500		1	0.5 ~ 7.0	135	22 ~ 45	81	0 ~ 4	41	23	—	3.9				
3090 50716500		1	0.5 ~ 7.0	165	22 ~ 45	111	0 ~ 4	41	23	—	4.0				
3090 50719500		1	0.5 ~ 7.0	195	22 ~ 45	141	0 ~ 4	41	23	—	4.0				
3090 50909000	-HDZ09 -90	1	2.5 ~ 9.0	90	27 ~ 57	36	0 ~ 4	45	26	—	3.8	HDP-09	FDC-09	S-1L	L-3T
3090 50910500		1	2.5 ~ 9.0	105	27 ~ 57	51	0 ~ 4	45	26	—	3.8				
3090 50912000		1	2.5 ~ 9.0	120	27 ~ 57	66	0 ~ 4	45	26	—	3.9				
3090 50913500		1	2.5 ~ 9.0	135	27 ~ 57	81	0 ~ 4	45	26	—	3.9				
3090 50916500		1	2.5 ~ 9.0	165	27 ~ 57	111	0 ~ 4	45	26	—	4.1				
3090 50919500		1	2.5 ~ 9.0	195	27 ~ 57	141	0 ~ 4	45	26	—	4.2				
3090 50922500	-HDZ12 -90	1	2.5 ~ 9.0	225	27 ~ 57	171	0 ~ 4	45	26	—	4.3	HDP-12	FDC-12	S-3L	L-4T
3090 50925500		1	2.5 ~ 9.0	255	27 ~ 57	201	0 ~ 4	45	26	—	4.4				
3090 51209000		1	2.5 ~ 12.0	90	33 ~ 69	32	0 ~ 5	56	32	—	4.0				
3090 51210500		1	2.5 ~ 12.0	105	33 ~ 69	47	0 ~ 5	56	32	—	4.1				
3090 51212000		1	2.5 ~ 12.0	120	33 ~ 69	62	0 ~ 5	56	32	—	4.1				
3090 51213500	-HDZ16 -90	1	2.5 ~ 12.0	135	33 ~ 69	77	0 ~ 5	56	32	—	4.2	HDP-16	FDC-16	S-4L	L-4T
3090 51216500		1	2.5 ~ 12.0	165	33 ~ 69	107	0 ~ 5	56	32	—	4.4				
3090 51219500		1	2.5 ~ 12.0	195	33 ~ 69	137	0 ~ 5	56	32	—	4.5				
3090 51222500		1	2.5 ~ 12.0	225	33 ~ 69	167	0 ~ 5	56	32	—	4.6				
3090 51225500		1	2.5 ~ 12.0	255	33 ~ 69	197	0 ~ 5	56	32	—	4.8				
3090 51609000	-HDZ22A -105	1	3.5 ~ 16.0	90	38 ~ 82	32	0 ~ 6	62	36	—	4.1	HDP-22	FDC-22	S-5L	L-6T
3090 51610500		1	3.5 ~ 16.0	105	38 ~ 82	47	0 ~ 6	62	36	—	4.2				
3090 51612000		1	3.5 ~ 16.0	120	38 ~ 82	62	0 ~ 6	62	36	—	4.3				
3090 51613500		1	3.5 ~ 16.0	135	38 ~ 82	77	0 ~ 6	62	36	—	4.3				
3090 51616500		1	3.5 ~ 16.0	165	38 ~ 82	107	0 ~ 6	62	36	—	4.5				
3090 51619500	-HDZ22A -105	1	3.5 ~ 16.0	195	38 ~ 82	137	0 ~ 6	62	36	—	4.7	HDP-22	FDC-22	S-5L	L-6T
3090 51622500		1	3.5 ~ 16.0	225	38 ~ 82	167	0 ~ 6	62	36	—	4.9				
3090 51625500		1	3.5 ~ 16.0	255	38 ~ 82	197	0 ~ 6	62	36	—	5.1				
3090 52210510		1	3.5 ~ 22.0	105	47 ~ 103	43	0 ~ 8	76	46	—	4.5				
3090 52212010		1	3.5 ~ 22.0	120	47 ~ 103	58	0 ~ 8	76	46	—	4.6				
3090 52213510	-HDZ22A -105	1	3.5 ~ 22.0	135	47 ~ 103	73	0 ~ 8	76	46	—	4.8	HDP-22	FDC-22	S-5L	L-6T
3090 52215010		1	3.5 ~ 22.0	150	47 ~ 103	88	0 ~ 8	76	46	—	5.0				
3090 52216510		1	3.5 ~ 22.0	165	47 ~ 103	103	0 ~ 8	76	46	—	5.1				
3090 52219510		1	3.5 ~ 22.0	195	47 ~ 103	133	0 ~ 8	76	46	—	5.4				
3090 52222510		1	3.5 ~ 22.0	225	47 ~ 103	163	0 ~ 8	76	46	—	5.7				
3090 52225510		1	3.5 ~ 22.0	255	47 ~ 103	193	0 ~ 8	76	46	—	6.0				

1*. Collet, spanner, hexagon head preset screw, preset screw for semi-dry processing, and adjustment wrench are sold separately.

Standard preset screw is included.

2. Refer to ACC 13 for minimum tool insertion length in case of using our coolant collets (OH,C or MS).

3. "L1" indicates dimension when using with a preset screw.

4. See ACC 14 for standard tightening torque.

Collet	Spanner	Preset screw	Adjustment wrench
ACC 2-3	ACC 14	ACC 15	R-Z 06
			

Ordering Example

BT40 - HDZ12 - 90

Shank size Max. collet I.D. Projection length