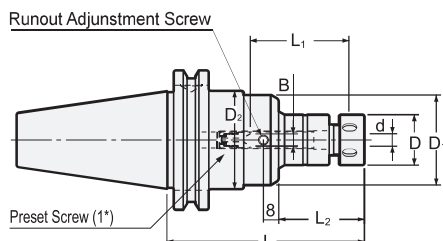




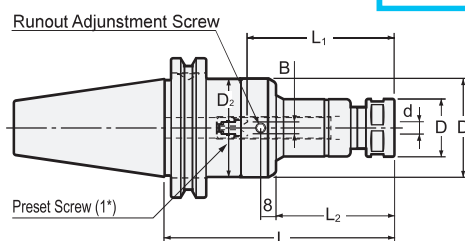
HDZ "R" Zero Holder

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

Type 1

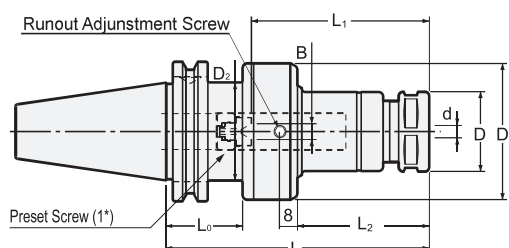


Type 2



Max RPM
20,000

Type 3



Unit : Inch

Code	Model	Type	d	L	L1	L2	B	D	D1	L0	D2	kg	Preset Screw	Nut	Spanner	Collet	Hex. Wrench (Size)
1960 00407090	CAT40-HDZ07 -90	1	0.020-0.276	3.543	0.866-1.772	1.535	0.0-0.157	0.906	1.614	—	1.750		HDS-07	HDP-07A	S-0	FDC-07	L-3T (3mm)
1960 00407105	-105	1	0.020-0.276	4.134	0.866-1.772	2.126	0.0-0.157	0.906	1.614	—	1.750						
1960 00409090	-HDZ09 -90	2	0.098-0.354	3.543	1.063-2.244	1.535	0.0-0.157	1.024	1.772	—	1.750						
1960 00409105	-105	2	0.098-0.354	4.134	1.063-2.244	2.126	0.0-0.157	1.024	1.772	—	1.750						
1960 00409120	-120	2	0.098-0.354	4.724	1.063-2.244	2.717	0.0-0.157	1.024	1.772	—	1.750		HDS-09	HDP-09	S-1L	FDC-09	
1960 00409135	-135	2	0.098-0.354	5.315	1.063-2.244	3.307	0.0-0.157	1.024	1.772	—	1.750						L-4T (4mm)
1960 00409165	-165	2	0.098-0.354	6.496	1.063-2.244	4.488	0.0-0.157	1.024	1.772	—	1.750						
1960 00412105	-HDZ12 -105	3	0.098-0.472	4.134	1.299-2.677	1.772	0.0-0.197	1.260	2.205	1.378	1.750						
1960 00412120	-120	3	0.098-0.472	4.724	1.299-2.677	2.362	0.0-0.197	1.260	2.205	1.378	1.750						
1960 00412135	-135	3	0.098-0.472	5.315	1.299-2.677	2.953	0.0-0.197	1.260	2.205	1.378	1.750		HDS-12	HDP-12	S-3L	FDC-12	
1960 00412165	-165	3	0.098-0.472	6.496	1.299-2.677	4.134	0.0-0.197	1.260	2.205	1.378	1.750						L-5T (5mm)
1960 00412195	-195	3	0.098-0.472	7.677	1.299-2.677	5.315	0.0-0.197	1.260	2.205	1.378	1.750						
1960 00416105	-HDZ16 -105	3	0.138-0.630	4.134	1.496-3.189	1.772	0.0-0.236	1.417	2.441	1.378	1.750						
1960 00416120	-120	3	0.138-0.630	4.724	1.496-3.189	2.362	0.0-0.236	1.417	2.441	1.378	1.750						
1960 00416135	-135	3	0.138-0.630	5.315	1.496-3.189	2.953	0.0-0.236	1.417	2.441	1.378	1.750		HDS-16	HDP-16	S-4L	FDC-16	
1960 00416165	-165	3	0.138-0.630	6.496	1.496-3.189	4.134	0.0-0.236	1.417	2.441	1.378	1.750						L-5T (5mm)
1960 00416195	-195	3	0.138-0.630	7.677	1.496-3.189	5.315	0.0-0.236	1.417	2.441	1.378	1.750						
1960 00422105	-HDZ22A -105	3	0.138-0.866	4.134	1.850-4.055	1.220	0.0-0.315	1.811	2.717	1.378	1.750						
1960 00422120	-120	3	0.138-0.866	4.724	1.850-4.055	1.811	0.0-0.315	1.811	2.717	1.378	1.750						
1960 00422135	-135	3	0.138-0.866	5.315	1.850-4.055	2.402	0.0-0.315	1.811	2.717	1.378	1.750		HDS-22	HDP-22	S-5L	FDC-22	
1960 00422165	-165	3	0.138-0.866	6.496	1.850-4.055	3.583	0.0-0.315	1.811	2.717	1.378	1.750						L-3T (3mm)
1960 00422195	-195	3	0.138-0.866	7.677	1.850-4.055	4.764	0.0-0.315	1.811	2.717	1.378	1.750						
1960 00507090	CAT50-HDZ07 -90	1	0.020-0.276	3.543	0.866-1.772	1.535	0.0-0.157	0.906	1.614	—	2.750						
1960 00507105	-105	1	0.020-0.276	4.134	0.866-1.772	2.126	0.0-0.157	0.906	1.614	—	2.750						
1960 00507120	-120	1	0.020-0.276	4.724	0.866-1.772	2.717	0.0-0.157	0.906	1.614	—	2.750		HDS-07	HDP-07A	S-0	FDC-07	
1960 00507135	-135	1	0.020-0.276	5.315	0.866-1.772	3.307	0.0-0.157	0.906	1.614	—	2.750	3.3					L-3T (3mm)
1960 00507165	-165	1	0.020-0.276	6.496	0.866-1.772	4.291	0.0-0.157	0.906	1.614	—	2.750						
1960 00507195	-195	1	0.020-0.276	7.677	0.866-1.772	5.669	0.0-0.157	0.906	1.614	—	2.750						
1960 00509090	-HDZ09 -90	1	0.098-0.354	3.543	1.063-2.244	1.378	0.0-0.157	1.024	1.772	—	2.750	3.3					
1960 00509105	-105	1	0.098-0.354	4.134	1.063-2.244	1.969	0.0-0.157	1.024	1.772	—	2.750						
1960 00509120	-120	1	0.098-0.354	4.724	1.063-2.244	2.559	0.0-0.157	1.024	1.772	—	2.750						L-3T (3mm)
1960 00509135	-135	1	0.098-0.354	5.315	1.063-2.244	3.150	0.0-0.157	1.024	1.772	—	2.750	3.4					
1960 00509165	-165	1	0.098-0.354	6.496	1.063-2.244	4.331	0.0-0.157	1.024	1.772	—	2.750		HDS-09	HDP-09	S-1L	FDC-09	
1960 00509195	-195	1	0.098-0.354	7.677	1.063-2.244	5.512	0.0-0.157	1.024	1.772	—	2.750						
1960 00509225	-225	1	0.098-0.354	8.858	1.063-2.244	6.693	0.0-0.157	1.024	1.772	—	2.750						
1960 00509255	-255	1	0.098-0.354	10.039	1.063-2.244	7.874	0.0-0.157	1.024	1.772	—	2.750						

Unit : Inch

Code	Model	Type	d	L	L1	L2	B	D	D1	L0	D2	kg	Preset Screw	Nut	Spanner	Collet	Hex. Wrench (Size)
1960 00512090	CAT50-HDZ12	-90	1	0.098-0.472	3.543	1.299-2.677	1.378	0.0-0.197	1.260	2.205	—	2.750					
1960 00512105		-105	1	0.098-0.472	4.134	1.299-2.677	1.969	0.0-0.197	1.260	2.205	—	2.750	3.5				
1960 00512120		-120	1	0.098-0.472	4.724	1.299-2.677	2.559	0.0-0.197	1.260	2.205	—	2.750					
1960 00512135		-135	1	0.098-0.472	5.315	1.299-2.677	3.150	0.0-0.197	1.260	2.205	—	2.750	3.7				
1960 00512165		-165	1	0.098-0.472	6.496	1.299-2.677	4.331	0.0-0.197	1.260	2.205	—	2.750	3.8				
1960 00512195		-195	1	0.098-0.472	7.677	1.299-2.677	5.512	0.0-0.197	1.260	2.205	—	2.750					
1960 00512225		-225	1	0.098-0.472	8.858	1.299-2.677	6.693	0.0-0.197	1.260	2.205	—	2.750	4.1				
1960 00512255		-255	1	0.098-0.472	10.039	1.299-2.677	7.874	0.0-0.197	1.260	2.205	—	2.750					
1960 00516090	-HDZ16	-90	1	0.138-0.630	3.543	1.496-3.189	1.378	0.0-0.236	1.417	2.441	—	2.750	3.6				
1960 00516105		-105	1	0.138-0.630	4.134	1.496-3.189	1.969	0.0-0.236	1.417	2.441	—	2.750	3.7				
1960 00516120		-120	1	0.138-0.630	4.724	1.496-3.189	2.559	0.0-0.236	1.417	2.441	—	2.750	3.7				
1960 00516135		-135	1	0.138-0.630	5.315	1.496-3.189	3.150	0.0-0.236	1.417	2.441	—	2.750	3.8				
1960 00516165		-165	1	0.138-0.630	6.496	1.496-3.189	4.331	0.0-0.236	1.417	2.441	—	2.750	4				
1960 00516195		-195	1	0.138-0.630	7.677	1.496-3.189	5.512	0.0-0.236	1.417	2.441	—	2.750					
1960 00516225		-225	1	0.138-0.630	8.858	1.496-3.189	6.693	0.0-0.236	1.417	2.441	—	2.750					
1960 00516255		-255	1	0.138-0.630	10.039	1.496-3.189	7.874	0.0-0.236	1.417	2.441	—	2.750					
1960 00522105	-HDZ22A	-105	3	0.138-0.866	4.134	1.850-4.055	1.614	0.0-0.315	1.811	2.992	1.378	2.750	4.1				
1960 00522120		-120	3	0.138-0.866	4.724	1.850-4.055	2.795	0.0-0.315	1.811	2.992	1.378	2.750	4.3				
1960 00522135		-135	3	0.138-0.866	5.315	1.850-4.055	3.386	0.0-0.315	1.811	2.992	1.378	2.750	4.4				
1960 00522165		-165	3	0.138-0.866	6.496	1.850-4.055	3.976	0.0-0.315	1.811	2.992	1.378	2.750	4.7				
1960 00522195		-195	3	0.138-0.866	7.677	1.850-4.055	5.157	0.0-0.315	1.811	2.992	1.378	2.750					
1960 00522225		-225	3	0.138-0.866	8.858	1.850-4.055	6.339	0.0-0.315	1.811	2.992	1.378	2.750	5.3				
1960 00522255		-255	3	0.138-0.866	10.039	1.850-4.055	7.520	0.0-0.315	1.811	2.992	1.378	2.750					

L-4T
(4mm)L-5T
(5mm)

- 1*. Collet, spanner, hexagon head preset screw, preset screw for semi-dry processing, and hex. 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.
5. Standard preset screw is included.

Collet	Spanner	Preset screw	Hex. wrench
ACC 02-03	ACC 14	ACC 15	R-Z 06
			

Ordering Example

CAT40 - HDZ 12 - 150
Shank size Max. collet I.D. Projection length (L)