



All dimensions in mm.

- For carbide tool shanks to DIN 6535 form HA
- Pre-balanced per ISO 1940-1 up to 10,000 rpm
- Maximum runout between outer taper and  $D_1$  is 0.003 mm
- Clamping diameter designed for shank tolerance of h6
- Tool holders include stop screws
- Longer lengths available — contact us

D-HSK	$D_1$	$D_2$	$D_3$	L	$L_1$	G	kg/lb	Order Number
40	6	19	32	80	50	M-5	0.40/0.88	611.140.006.080
40	8	22	34	80	50	M-6	0.50/1.10	611.140.008.080
40	10	24	34	80	50	M-8	0.60/1.32	611.140.010.080
40	12	28	34	90	60	M-10	0.60/1.32	611.140.012.090
40	14	30	34	90	60	M-10	0.70/1.54	611.140.014.090
40	16	32	34	90	60	M-12	0.70/1.54	611.140.016.090
50	6	19	32	80	44	M-5	0.70/1.54	611.150.006.080
50	8	22	34	80	44	M-6	0.70/1.54	611.150.008.080
50	10	24	34	85	44	M-8	0.80/1.76	611.150.010.085
50	12	28	34	90	50	M-10	0.80/1.76	611.150.012.090
50	14	30	34	90	50	M-10	0.80/1.76	611.150.014.090
50	16	32	34	95	55	M-12	0.80/1.76	611.150.016.095
50	18	34	42	95	55	M-12	1.00/2.20	611.150.018.095
50	20	36	42	100	60	M-16	1.00/2.20	611.150.020.100
63	6	19	32	80	44	M-5	1.00/2.20	611.163.006.080
63	8	22	34	80	44	M-6	1.00/2.20	611.163.008.080
63	10	24	34	85	44	M-8	1.00/2.20	611.163.010.085
63	12	28	34	90	50	M-10	1.00/2.20	611.163.012.090
63	14	30	34	90	50	M-10	1.00/2.20	611.163.014.090
63	16	32	34	95	55	M-12	1.10/2.43	611.163.016.095
63	18	34	42	95	55	M-12	1.20/2.65	611.163.018.095
63	20	36	42	100	60	M-16	1.30/2.87	611.163.020.100
63	25	46	53	115	75	M-20	1.80/3.97	611.163.025.115
80	6	19	32	85	44	M-5	1.10/2.43	611.180.006.085
80	8	22	34	85	44	M-6	1.10/2.43	611.180.008.085
80	10	24	34	90	44	M-8	1.10/2.43	611.180.010.090
80	12	28	34	95	50	M-10	1.10/2.43	611.180.012.095
80	14	30	34	95	50	M-10	1.10/2.43	611.180.014.095
80	16	32	34	100	55	M-12	1.20/2.65	611.180.016.100
80	18	34	42	100	55	M-12	1.30/2.87	611.180.018.100
80	20	36	42	105	65	M-16	1.50/3.31	611.180.020.105
80	25	46	53	115	75	M-20	2.00/4.41	611.180.025.115
100	6	19	32	85	44	M-5	1.30/2.87	611.190.006.085
100	8	22	34	85	44	M-6	1.30/2.87	611.190.008.085
100	10	24	34	90	44	M-8	1.30/2.87	611.190.010.090
100	12	28	34	95	50	M-10	1.30/2.87	611.190.012.095
100	14	30	34	95	50	M-10	1.30/2.87	611.190.014.095
100	16	32	34	100	55	M-12	1.40/3.09	611.190.016.100
100	18	34	42	100	55	M-12	1.60/3.53	611.190.018.100
100	20	36	42	105	65	M-16	1.70/3.75	611.190.020.105
100	25	46	53	115	75	M-20	2.20/4.85	611.190.025.115
100	32	56	70	120	80	M-20	3.00/6.61	611.190.032.120