


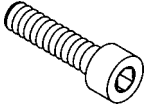



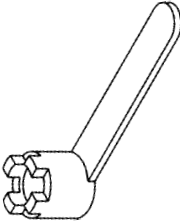


- For cutters with internal cooling
- For shell end mills with driving slot DIN 138
- Maximum runout between outer taper and D_1 is 0.006 mm
- Coolant tube to be ordered separately

All dimensions in mm.

D-HSK	D_1	h6/g5	L	L_1	M	D_2	F	kg/lb	Order Number
50	16	h6	50	17	-	40	-	0.80/1.76	615.550.016.017
50	22		60	19	-	50	-	0.90/1.98	615.550.022.019
50	27		60	21	-	60	-	1.10/2.43	615.550.027.021
63	16	h6	50	17	-	40	-	1.00/2.20	615.563.016.050
63	22		50	19	-	50	-	1.10/2.43	615.563.022.050
63	27		60	21	-	60	-	1.30/2.87	615.563.027.060
63	32	g5	60	24	-	70	-	1.40/3.09	615.563.032.060
63 *	40		60	27	M-12	89	66.7	1.90/4.19	615.563.040.060
80	22	h6	50	19	-	50	-	2.30/5.07	615.580.022.050
80	27		50	21	-	60	-	2.50/5.51	615.580.027.050
80	32		60	24	-	70	-	2.60/5.73	615.580.032.060
80 *	40	g5	60	27	M-12	89	66.7	3.60/7.94	615.580.040.060
100	22	h6	50	19	-	50	-	2.50/5.51	615.590.022.050
100	27		50	21	-	60	-	2.70/5.95	615.590.027.050
100	32		50	24	-	70	-	2.80/6.17	615.590.032.050
100 *	40	g5	60	27	M-12	89	66.7	3.80/8.38	615.590.040.060
100 *	60		70	40	M-16	130	101.6	5.50/12.13	615.590.060.070

* With additional 4 tapped holes for front clamping according to DIN 2079

D_1								OPTIONAL		
16	-									
22	-							0199010130	0199040130	
27	-							0199010140	0199040140	
32	-							0199010150	0199040150	
40	0399010101							0199010160	0199010160	
60	-							0199010170	0199010170	