

Metric SHCS Hole & Counterbore Sizes

Nominal Screw Size	Clearance Hole Dia. mm		Counterbore Dia. mm	Countersink Dia. mm	Tapping Drill mm	
	Close	Normal			ISO	M Fine
M3	3.4	3.7	6.5	3.6	0.5	-
M4	4.4	4.8	8.25	4.7	0.7	-
M5	5.4	5.8	9.75	5.7	4.2	-
M6	6.4	6.8	11.25	6.8	5.0	-
M8	8.4	8.8	14.25	9.2	6.8	7.0
M10	10.5	10.8	17.25	11.2	8.5	8.8
M12	12.5	12.8	19.25	14.2	10.2	10.5
M14	14.5	14.75	22.25	16.2	12.0	12.5
M16	16.5	16.75	25.5	18.2	14.0	14.5
M20	20.5	20.75	31.5	22.4	17.5	18.5
M24	24.5	24.75	37.5	26.4	21.0	22.0
M30	30.75	31.75	47.5	33.4	26.5	-

Imperial SHCS Hole & Counterbore Sizes

Nominal Screw Size	Clearance Hole Dia. mm		Counterbore Dia. mm	Countersink Dia. mm	Tapping Drill mm	
	Close	Normal			UNF	UNC
8	4.6	5.0	8.0	4.8	3.5	3.4
10	5.2	5.6	9.5	5.5	4.1	3.8
1/4"	6.8	7.2	11.0	7.0	5.5	5.1
5/16"	8.4	8.8	13.5	8.8	6.9	6.6
3/8"	10.0	10.4	16.0	10.5	8.5	8.0
7/16"	11.5	12.0	18.0	12.2	9.8	9.4
1/2"	13.0	13.5	20.5	14.0	11.5	10.8
5/8"	16.2	16.8	25.5	17.5	14.5	13.5
3/4"	19.5	19.8	30.0	21.0	17.5	16.5
7/8"	22.8	23.0	35.0	24.5	20.5	19.5
1"	25.8	26.2	41.0	28.0	23.5	22.0
1 1/4"	32.6	33.4	50	35	29.5	28.0