

## Application Details

Thread Size	Shank Area mm <sup>2</sup>	Stress Area mm <sup>2</sup>	Tap Drill mm	Body Drill mm	C'bore Drill for SHCS, mm
<b>M3</b>	7.07	5.03	2.50	3.4	6.50
<b>M4</b>	12.60	8.78	3.30	4.5	8.25
<b>M5</b>	19.60	14.20	4.20	5.6	9.75
<b>M6</b>	28.30	20.10	5.00	6.8	11.25
<b>M8</b>	50.30	36.60	6.75	8.8	14.25
<b>M10</b>	78.50	58.00	8.50	10.8	17.25
<b>M12</b>	113.00	84.30	10.25	12.8	19.25
<b>M14</b>	154.00	115.00	12.00	15.0	22.25
<b>M16</b>	201.00	157.00	14.00	17.0	25.50
<b>M18</b>	254.00	192.00	15.50	19.0	28.50
<b>M20</b>	314.00	245.00	17.50	21.0	31.50
<b>M22</b>	380.00	303.00	19.50	23.0	34.50
<b>M24</b>	452.00	353.00	21.00	25.0	37.50
<b>M27</b>	572.00	459.00	23.80	28.0	41.50
<b>M30</b>	707.00	561.00	26.50	31.5	47.50
<b>M33</b>	855.00	694.00	29.40	34.0	52.50
<b>M36</b>	1018.00	817.00	32.00	37.5	56.50
<b>M42</b>	1385.00	1120.00	37.50	44.0	66.00

Thread Size	Shank Area in <sup>2</sup>	Stress Area, in <sup>2</sup>		Tap Drill, mm		Body Drill mm	C'bore Drill for SHCS, mm
		BSW	BA/BSF	BSW	BA/BSF		
<b>4BA</b>	0.016		0.0107		3.0	4.0	5.9
<b>3BA</b>	0.020		0.0139		3.4	4.5	6.7
<b>2BA</b>	0.027		0.0186		3.9	5.1	8.3
<b>OBA</b>	0.044		0.0306		5.1	6.4	10.0
<b>1/8</b>	0.012	0.0079		2.55		3.5	5.9
<b>3/16</b>	0.028	0.0170	0.0194	3.70	3.9	5.1	8.3
<b>1/4</b>	0.049	0.0320	0.0356	5.10	5.3	6.8	10.5
<b>5/16</b>	0.077	0.0526	0.0566	6.50	6.7	8.3	12.8
<b>3/8</b>	0.110	0.0777	0.0838	7.90	8.2	10.0	15.0
<b>7/16</b>	0.151	0.1066	0.1155	9.20	9.5	11.5	17.5
<b>1/2</b>	0.196	0.1381	0.1517	10.50	11.0	13.2	20.0
<b>5/8</b>	0.307	0.2263	0.2424	13.50	14.0	16.5	24.0
<b>3/4</b>	0.442	0.3346	0.3516	16.50	17.0	19.5	27.0
<b>7/8</b>	0.601	0.4630	0.4980	19.00	19.8	22.5	30.5
<b>1</b>	0.785	0.6060	0.6400	22.00	22.5	26.0	35.0

Thread Size	Shank Area in <sup>2</sup>	Stress Area, in <sup>2</sup>		Tap Drill, mm		Body Drill mm	C'bore Drill for SHCS, mm
		UNC	UNF	UNC	UNF		
<b>#8</b>	0.0211	0.0142	0.0149	3.4	3.5	4.6	7.2
<b>#10</b>	0.0284	0.0179	0.0203	3.9	4.1	5.2	8.3
<b>1/4</b>	0.0491	0.0324	0.0368	5.1	5.5	6.8	10.5
<b>5/16</b>	0.0769	0.0532	0.0587	6.6	<b>6.9</b>	8.3	<b>12.8</b>
<b>3/8</b>	0.1104	0.0786	0.0886	8.0	8.5	10.0	15.0
<b>7/16</b>	0.1503	0Y078	0.1198	9.2	9.8	11.5	17.5
<b>1/2</b>	0.1964	0.1438	0.1612	10.8	11.5	13.2	20.0
<b>5/8</b>	0.3070	0.2290	0.2580	13.5	14.5	16.5	24.0
<b>3/4</b>	0.4420	0.3380	0.3750	16.5	17.5	<b>19.5</b>	27.0
<b>7/8</b>	0.6010	0.4670	0.5130	19.5	20.5	22.5	30.5
<b>1</b>	0.7850	0.6120	0.6670	22.0	23.5	26.0	35.0