

Machined Circular Plates

Type	Material
SS	SS400
SC	S50C
AL	A5052P-H112
SU	SUS303

3.2 / (6.3 / 1.6)

Shape: F (Flat) Shape: X (Concave) Shape: Z (Convex)

Hole Machining
Select from below.

* For shape X and Z, there is a ØW for each.

Circumference Chamfering C0.5

Part Number		1mm Increment					Selection			1mm Increment
Type	Shape	T	D	V	W	S	H: Number of Holes	Hole Selectable	Nominal Dia.	Q
SS (SS400) SC (S50C) AL (A5052P) SU (SUS303)	F (Flat) X (Concave) Z (Convex)	8 10 15 20 25 30	60~300	10~100 V≤Dx0.8	20~260 W-V≥10 D-W≥20	5~25 T-S≥5	0 2 4 8 12	N (Through Hole) M (Tapped Hole) Z (Counterbore Hole) ZR (Back Surface Counterbore)	5 6 8 10	35~280 Q>W+d1(d2)+2b1 (Refer to Machining Limits at the bottom of this page.)

H: No. of Holes Selection (Uniform Division)

0 (No Hole)	2 (2-Hole)	4 (4-Hole)	8 (8-Hole)	12 (12-Hole)

Hole Selection

Hole Type Code	Through Hole	Tapped Hole	Counterbore Hole	Back Surface Counterbore
N		M	Z	ZR
Shape				
Processing Specification	Dimension Nominal Dia. 5 6 8 10 d1 5.5 6.5 9 11 The pilot hole for tapping goes through when Mx2<T. The tap goes through when Mx2≥T.		Dimension Bolt Nominal Dia. 5 6 8 10 d1, h 5.5 6.5 9 11 dz 9.5 11 14 18 For bolt nominal diameter 6, T≥10 (for Shape Z, T-S≥10) For 8 and 10, T≥15 (T-S≥15, when shape Z)	



Part Number: - D - V - W - S - H - Hole Selectable Code / Nominal Dia. - Q

SS F 10 - D100 - V20 H2 - N5 - Q60
 SS X 10 - D100 - V50 - W60 - S5 - H4 - M5 - Q80

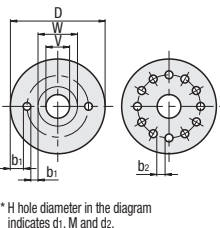


Part Number: - D - V - W - S - H - Hole Selectable Code / Nominal Dia. - Q (WA, WB, WC, PC)

SS Z 20 - D200 - V30 - W100 - S10 - H4 - Z5 - Q150-WB-PC10-PX75

Machining Limits of Q and PX

Through Hole (N), Tapped Hole (M), Dowel Hole (PC)	Nominal Dia.			
	5	6	8	10
d1	5.5	6.5	9	11
Min. Distance between a Hole and D, W and V Diameter (b1)	4.5	5.5	7.5	9
Min. Distance between Holes (b2)	Q/π / Number of Holes (H-d1)(M)-(PC)±d1(M)+(PC)			
Counterbore Hole (Z), Back Surface Counterbore (ZR)	Nominal Dia.			
	5	6	8	10
dz	9.5	11	14	18
Min. Distance between a Hole and D, W and V Diameter (b1)	2.5	3	4.5	5
Min. Distance between Holes (b2)	Q/π / Number of Holes (H-d2)-(PC)±d2±(PC)			



Alterations	Code	Spec.												
W Tolerance ØW	WA WB WC	<table border="1"> <thead> <tr> <th>Shape</th> <th>Tolerance</th> <th>1mm Increment</th> </tr> </thead> <tbody> <tr> <td>X (Concave)</td> <td>H7</td> <td>WA</td> </tr> <tr> <td>Z (Convex)</td> <td>g6</td> <td>WB</td> </tr> <tr> <td></td> <td>h6</td> <td>WC</td> </tr> </tbody> </table>	Shape	Tolerance	1mm Increment	X (Concave)	H7	WA	Z (Convex)	g6	WB		h6	WC
Shape	Tolerance	1mm Increment												
X (Concave)	H7	WA												
Z (Convex)	g6	WB												
	h6	WC												
Dowel Hole 2-PX HT • For 4-Hole Dowel Hole 2±PX±0.02 PX±0.015 Fig. 1	PC	Ordering Code: PC (Selectable), PX (Configurable) Ordering Example: PC10-PX50 PC Selection = 5, 6, 8, 10 Depth PC = Through (Effective Depth PCx3) PX: 2PX>W+d1(d2)+2b1 Refer to Machining Limits. When there are motor mounting holes, the dowel holes will be located on a center line between the screw holes. (refer to Fig. 1)												