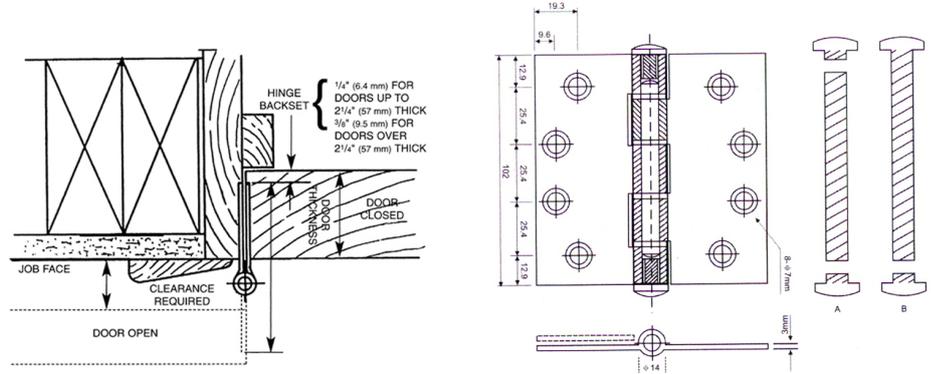




Anxon offers a complete range of architectural full mortise hinges. We have been making the highest quality hinges on the market packed with features like fire-resistance, anti-friction bearings, full-gauge metal and the heaviest pin. You expect longer life, better design, aesthetics and a solid guarantee. We're so confident of our hinges with legendary quality, time tested durability and consistent superior performance, if they ever stop working perfectly, we replace them in free. We provide the material in Grade SUS304 stainless steel (SUS316 optional). Tested in accordance to BSEN 1935:2002/AC2003, Grade 14 for 160 kgs. door mass and BSEN 1634-1:2008, 2 hours fire rated door.



Determine the Number of Hinges

A general rule of thumb: one hinge for every 720mm of door height or fraction thereof, Up to 1440mm 2 hinges required, 3 hinges for door height 2160mm max. if over 2160mm but not excess 2880mm are required 4 hinges. For doors with a width greater than 1000mm to 1400mm, an extra hinge could be used for additional strength. The extra hinge helps support the additional weight and tension applied to the frame created by the wider of door.

FIVE KNUCKLE HINGES



Anti-Friction Stainless Steel Washers (Art. #119. + size)

These are made of Grade SUS304 stainless steel that provide a self-lubricant and very strong bearing surface. The washers fit on each knuckle and acts as a cushion for the door yet. It allows the door to flow smoothly on the surface of washer with an extremely low wear factor. Different sizes is available for various door thickness and door sizes (Please see the below table for reference).

Anti-Friction Ball Bearings (Art. #BB119. + size)

Ball bearings are engineered to throw the knuckle weight against specially hardened steel raceways, which ride on the bearings surfaces. Lateral wear is minimized because the pin is held against thrust by the hardened steel top and bottom raceways. The bearings units are securely press-fit to the leaf knuckle to prevent loss when the hinge is disassembled. Different sizes of hinge is available for various door thickness and door sizes (Please see the below table for reference).

Hinge Size		Gauge of metal	Number of holes	Screw Size		Quantity		Avg weight per case (lbs)	
Inches	Millimeters			Machine	Wood	Box	Case	Steel	SSteel/Brass
2 x 2	51 x 51	0.083	4	1/2 x8-32	3/4 x 8	10 each	200 each	32	35
2 1/2 x 2 1/2	64 x 64	0.089	6	1/2 x8-32	3/4 x 8	10 each	200 each	34	39
4 x 3	102 x 76	0.097	6	1/2 x10-24	1 x 9	2 each	100 each	37	40
3 1/2 x 3 1/2	89 x 89	0.119	6	1/2 x10-24	1 x 9	2 each	100 each	66	72
4 x 4	102 x 102	0.129	8	1/2 x12-24	1 1/4 x 12	3 each	48 each	43	47
4 1/2 x 4	114 x 102	0.134	8	1/2 x12-24	1 1/4 x 12	3 each	48 each	49	53
4 1/2 x 4 1/2	114 x 114	0.134	8	1/2 x12-24	1 1/4 x 12	3 each	48 each	55	60
5 x 4	127 x 102	0.145	8	1/2 x12-24	1 1/4 x 12	3 each	24 each	37	40
5 x 4 1/2	127 x 114	0.145	8	1/2 x12-24	1 1/4 x 12	3 each	24 each	37	40
5 x 5	127 x 127	0.145	8	1/2 x12-24	1 1/4 x 12	3 each	24 each	37	40
6 x 4 1/2	152 x 114	0.160	10	1/2 x 1/4 -20	1 1/2 x 14	3 each	24 each	61	66
6 x 5	152 x 127	0.160	10	1/2 x 1/4 -20	1 1/2 x 14	3 each	24 each	61	66
6 x 6	152 x 152	0.160	10	1/2 x 1/4 -20	1 1/2 x 14	3 each	24 each	61	66