G004 Glutz Hinges

Glutz Hinges are Designed for Heavy Duty Performance

These hinges solve every fixing problem, simply and certainly.

Heavy duty Hinges

Heavy duty hinges for public buildings

9433.4BB.13

Heavy duty ball bearing hinge
Stainless steel hinge with four ball bearing.
Flat button tips & fixed pin,

9433.4BB.13	**size**	4” x 3” x 3 mm
9443.4BB.13	**size**	4” x 4” x 3 mm
9443.5.4BB.13	**size**	4” x 4” x 3.5” mm
9543.4BB.13	**size**	5” x 4” x 3 mm
953.53.4BB.13	**size**	5” x 3.5” x 3 mm

9433.2BB.13

Heavy duty ball bearing hinge
Stainless steel hinge with two ball bearing.
Flat button tips & fixed pin,

93.53.5.3.2BB.13	**size**	3.5” x 3.5” x 3 mm
9433.2BB.13	**size**	4” x 3” x 3 mm
943.53.2BB.13	**size**	4” x 3.5” x 3 mm
9443.2BB.13	**size**	4” x 4” x 3 mm
9443.5.2BB.13	**size**	4” x 4” x 3.5 mm
94.543.5.2BB.13	**size**	4.5” x 4” x 3.5 mm
94.54.53.5.2BB.13	**size**	4.5” x 4.5” x 3.5 mm
9543.2BB.13	**size**	5” x 4” x 3 mm
9543.5.2BB.13	**size**	5” x 4” x3.5 mm
953.53.2BB.13	**size**	5” x 3.5” x 3 mm
9544.2BB.13	**size**	5” x 4” x 4 mm

Finishes : xxxx.xxx.13 = Satin stainless steel
xxxx.xxx.14 = Mirror polished stainless steel

Heavy duty Hinges

Heavy duty hinges for public buildings

9433.SSW.13

Heavy duty washer bearing hinge
Stainless steel hinge with stainless steel washers,
flat button tips & fixed pin,

9433.SSW.13	**size**	4” x 3” x 3 mm
9443.SSW.13	**size**	4” x 4” x 3 mm
953.53.SSW.13	**size**	5” x 3.5” x 3 mm

9433.13

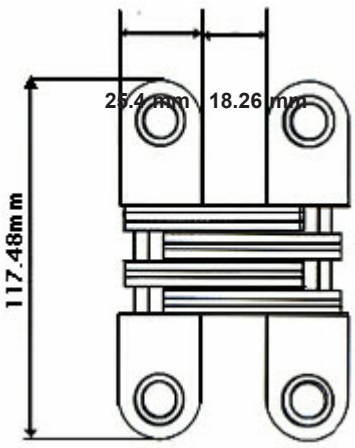
Heavy duty washer bearing hinge
Stainless steel hinge with flat button and fixed pin.

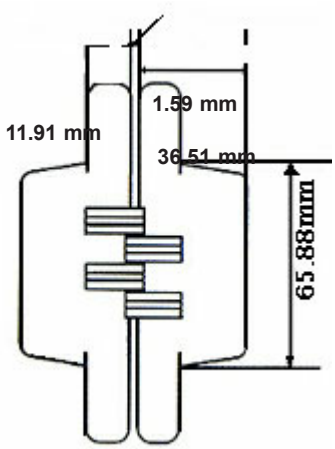
9433.13	**size**	4” x 3” x 3 mm
9443.13	**size**	4” x 4” x 3 mm

Finishes : xxxx.xxx.13 = Satin stainless steel
xxxx.xxx.14 = Mirror polished stainless steel

94512.13

Zinc alloy Concealed hinge 180 opening.
Finished : AB,AC,KG,PB,SC





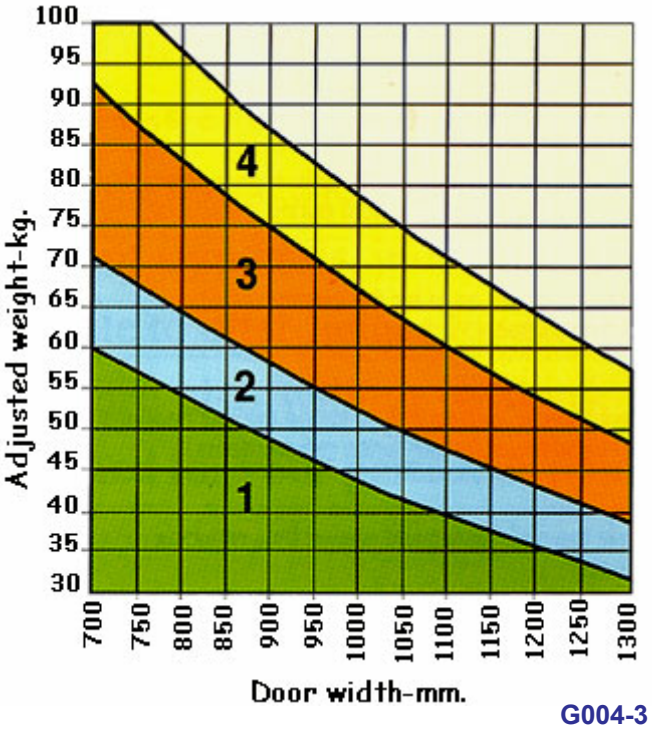
Technical facts for hinges

hinges for heavy door

Finding the weight of the door

Factory	Adjustment	Note
Door Closer fitted.	+20%	Adjustment recommended by BS 7352.
Backcheck Door Closer fitted.	+100%	Adjustment recommended by BS 7352.
Subject to high wind forces.	+10%	
Subject to physical abuse.	+10%	
Frequency of use.	See chart below	

Frequency of Use	Estimated openings per day	Typical Applications	Cengrade	Adjustment
LIGHT	0-50	Doors in domestic properties.	1-4	-10%
MEDIUM	51-350	General commercial and institutional use.	5-9	0
HEAVY	351-5,000	Main thoroughfares in public buildings.	10-14	+10%

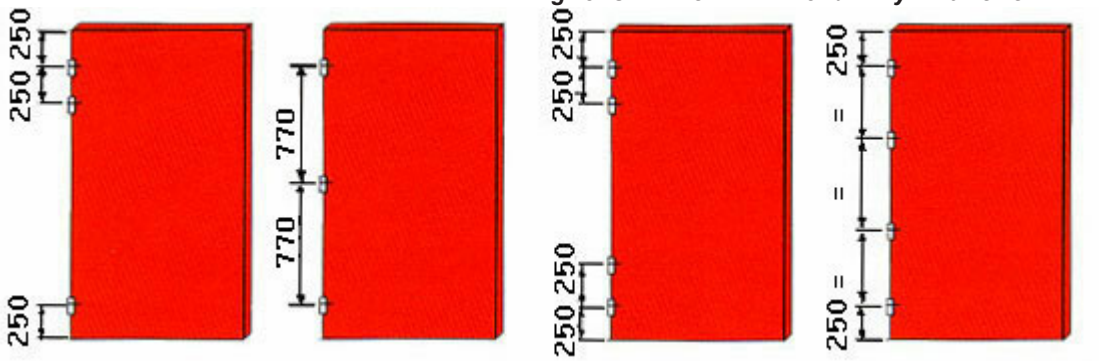


Checking door adjusted weight against door width

Having calculated the Adjusted Weight of the door, this should be cross-referenced with the width of the door, on the graph opposite, to identify which hinges should be fitted.

Technical facts for hinges

hinges for heavy door



1 2 3 4

1 Standard doors

The standard positioning when fitting three hinges to a door os as shown.

This gives the most effecive load bearing capability.

2. Lightweight doors

Two hinges may be fitted as shown.On doors subject to warping, such as glazed doors, fit a third hinge in the center of the door.

3. Heavy doors

When load bearing is the prime consideration, fit four hinges as shown.

4. Tall do doors
(over 2100mm)

On tall doors or those which are particularly subject to warping (such as glazed doors) fit four hinges equally spaced, as shown.

A. Finding the weight of the door.

The most important factor in determining the correct hinge to use is the weight of the door. When calculating this, remember to include the weight of any ironmongery, such as licks, furniture and door closers, as well as the weight of the door blade itself.

The basic weight of the door should then be adjusted to take account of any special factors. To do this add together the relevant percentage increases from the tables opposite the multiply this figure by the basic weight. This will give adjusted weight.

Example: A door weights is 90 Kg and fitted with 2 Kg of ironmongery. It is used in a main corridor at the MRT (heavy use, +10%) and is likely to be abused - for example by being push open by trolleys (+10%). The final adj. weight is 110.4 kg (90 plus 2 equals 92; 92 times 120% equals 110.40)

B. Checking door adjusted weight against door width.

Having calculated the Adjusted weight of the door, this should be cross-reference with the width of the door, on the graph above, to identify which hinges should fitted.

Note that while it is common practice to fit two hinges to lightweight doors, BS 7352 recommends that at especially important when a door closer is used.

Bs ratings shown are based on the use of three hinges per door leaf.

Example : 4” x 3” x 3mm = 80 Kg.door
5” x 4” x 3.5mm = 120 Kg.door
5” x 4” x 4mm = 150 Kg.door