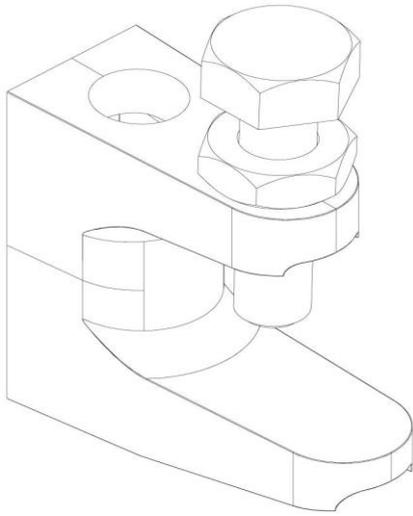


Technical specifications

FCI (Flange Clamp I profile)



Finishing:		Electro galvanized						
Product	Number	Height (mm)	Width (mm)	Length (mm)	Dim A (mm)	Fmax (kN)	Unit	Packaging (unit)
FCI-R08-EG	10220	0	8	0	M8		ST	20
FCI-R10-EG	10221	0	10	0	M10		ST	20
FCI-R12-EG	10222	0	12	0	M12		ST	20

Mounting instructions:

-

Load capacity:

Standard: -

Max. load: -

Load diagram: -

Information:

Coupler: ROD

Equipotential bonding: IEC61537

EC declaration: EC directive 2006/95/EC (Low voltage) as modified by directive 93/68/EEC (CE marking)

EG

Electrolytically galvanized (EN ISO 2081) EG (electrogalvanized)

Electrolytically galvanized products are mostly used in places where limited chemical contamination is likely, for example, in offices, industrial buildings, covered parking lots, etc.

Electrogalvanizing differs from hot-dip galvanizing in that the zinc coating, in this case, is built up by electrolysis. With this technique, there are no thermal influences on the steel, so no layers of alloy will form. Also, the coating thicknesses of 6-8µm (micron) are more limited compared to hot-dip galvanizing.

Prior to the galvanizing, the steel sheet goes through several pre-treatment steps so as to ensure optimal adhesion (degreasing steps, pickling, a brief acid dip, multiple rinsing,...) After the galvanizing proper, the zinc coating receives a passivating- and dichromate coat, followed by a rinsing with demi-water. The advantages of electrogalvanizing are, among other things: no thermal deformation (so ideal for assembly parts), an attractive, uniform and perfectly smooth, high-gloss finish with good electrical conductivity, no runs in the paintwork or zinc jags.

Field of application according to resistance against corrosion:

Corrosion class	Atmospheric corrosion	Indoor environment	Outdoor environment	Surface treatments
C1	< 0,1µm	Heated buildings with neutral atmospheres: offices, shops, schools, hotels.		Electro-galvanised (EG) EN ISO 2081
C2	0,1 - 0,7µm	Unheated buildings where condensation may occur: sports halls, warehouses, shops.	Rural areas. Atmosphere with low impurities.	Pre-galvanised (PG) EN 10327 - EN 10143
C3	0,7 - 2µm	Production facilities with high moisture levels and some air impurities due to industrial processes: production plants.	City and industrial atmosphere, some impurities, coastal areas with low salt loads.	Dipped-galvanised (DG) EN ISO 1461
C4	2 - 4µm	Production facilities with high moisture levels and high air impurities due to industrial processes: swimming pools, Chemical industry.	Industrial areas and coastal areas with low salt load.	Dipped-galvanised (DG) EN ISO 1461 Polyster coating (CO) EN ISO 12944
C5-I	4 - 8µm	Polyster coating (CO)	Industrial areas with high moisture level and aggressive atmosphere.	Duplex (DU) (Dipped galvanised - Polyster coating)
C5-M	4 - 8 µm	EN ISO 12944	Coastal or offshore areas with salt load.	Duplex (DU) (Dipped galvanised - Polyster coating)