

ISEDIO STAINLESS STEEL C-SECTION ARMOURJOINT ADJUSTABLE

Technical Datasheet

Istedio STAINLESS STEEL C-SECTION ARMOURJOINT ADJUSTABLE is a leave-in-place formwork, load transfer and edge protection joint system suitable for heavy duty industrial concrete floors.

The joint system comprises two top strips, an upper divider plate, a lower divider plate, load transfer plate dowels and sleeves.

The lower divider plate is attached to the upper divider plate by a special fastener that requires no tools for adjustment. This innovation is protected by a patent.

Formwork for casting a concrete slab is achieved by the vertical divider plates which supports the top strip edge protection and load transfer plate dowels.

Slab arris protection is provided by way of cold rolled stainless steel top strips with shear studs that anchor the top strips in the concrete.

Load transfer across the joint is achieved by asymmetric plate dowels and sleeves. The plate dowels are attached to the vertical divider plate and the sleeves are held in place under friction and are detachable as the joint opens up. Intersections for corners, tees and 4 ways are available.



MATERIAL SPECIFICATION

Component	Material
Top Strips	Each strip is 8mm thick cold rolled steel (can be supplied in stainless steel or hot dip galvanised)
Frangible Fastener	Nylon
Divider Plate	Steel DC01 to BS EN 10130:2006
Load Transfer Dowel	8mm & 12mm - S355 Steel to BS EN 10025-2:2004
Sleeve	8mm & 12mm - PP

TECHNICAL INFORMATION

Description	Dimension & Tolerance
Joint Length	3,000mm +/- 2.0mm
Straightness	+/- 0.5mm in 600mm
General Dimensional Tolerance	Dimensions < 12mm +/- 0.5mm Dimensions > 12mm +/- 2.0mm

Information on load transfer capacities can be found on the Load Transfer Capacity Datasheet.

PACKAGING INFORMATION

5 x 8mm Dowels (600mm Centres)			
Joint (mm)	Quantity and metres of joint per bundle	Approx. bundle weight including packaging (kg)	Max. no. of bundles and metres per truck
100 - 130mm	50 off - 150m	1,246 kg	13 Bundles – 1,950m
130 - 150mm	49 off - 147m	1,290 kg	13 Bundles – 1,911m
150 - 200mm	49 off - 147m	1,325 kg	13 Bundles – 1,911m
200 - 250mm	42 off - 126m	1,226 kg	14 Bundles – 1,764m
250 - 300mm	35 off - 105m	1,201 kg	15 Bundles – 1,575m

5 x 12mm Dowels (600mm Centres)			
Joint (mm)	Quantity and metres of joint per bundle	Approx. bundle weight including packaging (kg)	Max. no. of bundles and metres per truck
100 - 130mm	40 off - 120m	1,148 kg	15 Bundles – 1,800m
130 - 150mm	42 off - 126m	1,261 kg	14 Bundles – 1,764m
150 - 200mm	42 off - 126m	1,299 kg	13 Bundles – 1,638m
200 - 250mm	42 off - 126m	1,373 kg	13 Bundles – 1,638m
250 - 300mm	35 off - 105m	1,323 kg	14 Bundles – 1,470m

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