Section G

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SEISMIC

SEISMIC CONNECTOR A

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Features: Universal design suitable for installation in various structures, including concrete structures, steel structures, and wooden structures.
Installation uses wedge anchors: no need for torque wrench testing. Once tightened, the torque-breaking head will shear off automatically to indicate correct installation, making installation quality visible and reliable.
Applicable to horizontal and vertical seismic bracing systems.
Innovative design for easy installation, saving time and reducing cost.



Technical Specifications:
Main Material: Q235B, compliant with GB/T700-2006
Surface Treatment: Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011
Other surface treatments can also be provided, such as hot-dip galvanizing.

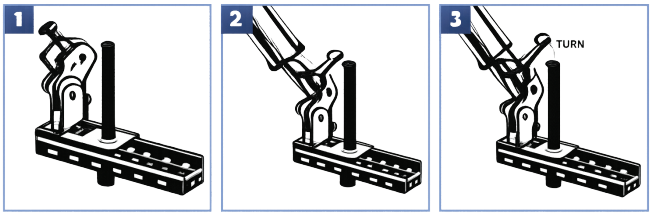
Part No.	Specification	Design Load (kN)
IC50101012	M12	13.5

SEISMIC CONNECTION BASE B

Universal design compatible with various structures including truss main structures, steel structures, wood structures, etc.
Quick installation with single-wheel clamping; no torque wrench required. Enables visual confirmation of seismic support installation even in tight spaces.
Suitable for both longitudinal and lateral seismic supports.
Innovative design simplifies installation, saving time and cost.



Technical Specifications:
Base Material: Q235B, compliant with GB/T700-2006
Surface Treatment: Electro-galvanized, average coating thickness not less than 12 m, compliant with GB/T9799-2011
Mechanical Performance: Meets national standards for seismic support pipe bracket treatment



Part No.	Specification	Design Pull-out Force (N)
IC50101012	M12	13.5
IC50102016	M16	13.5

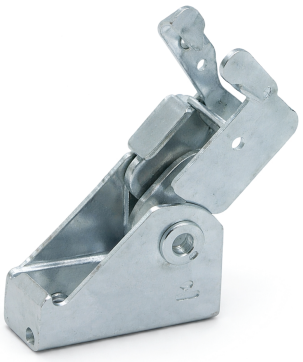
SEISMIC CONNECTION BASE D

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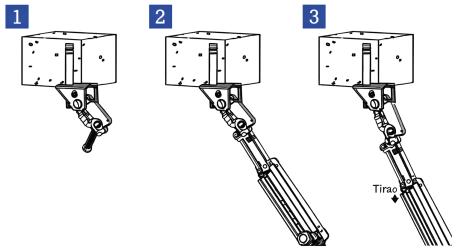
Application:
Suitable for various structures including reinforced concrete, steel, and wood.
During installation, no cutting or welding is required, ensuring safety and efficiency.
The design allows for quick and easy assembly and adjustment.

Material:
Q235B, compliant with GB/T700-2006.

Surface Treatment:
Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.



Part No.	Specification	Design Load (kN)
IC50103012	M12	15.9



ADJUSTABLE CONNECTOR A

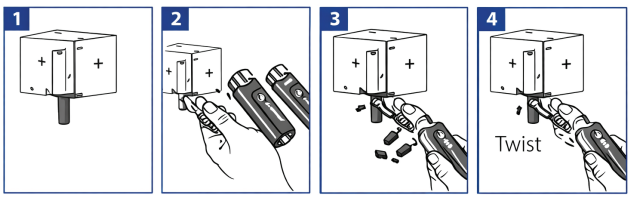
Application:
Suitable for various structures including reinforced concrete, steel, and wood.
Can be used for seismic bracing and pipe support applications.
Innovative design makes installation simple, saving time and cost.

Material:
Q235B, compliant with GB/T700-2006.

Surface Treatment:
Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2
Other surface treatments such as hot-dip galvanizing are also available.



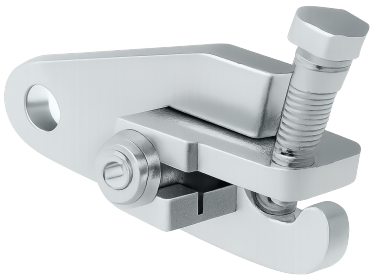
Part No.	Specification	Design Load (kN)
IC50101012	M12	7.3



VERTICAL SUSPENSION CONNECTOR

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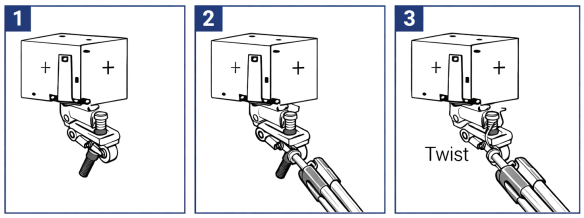
Application:
Suitable for various structures including reinforced concrete, steel, and wood.
During installation, no cutting or welding is required, ensuring safety and efficiency.
The design allows for quick and easy assembly and adjustment.



Material:
Q235B, compliant with GB/T700-2006.

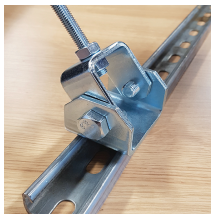
Surface Treatment:
Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.

Part No.	Specification	Design Load (kN)
IC50105012	M12	15.9
IC50105016	M12	15.9



HOLE SWIVEL BRACKET

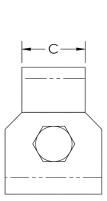
Application:
Suitable for seismic bracing, HVAC suspension, strut mounting, and pipe/duct support. Swivel allows 0-90° adjustable angles for fast and flexible installation.

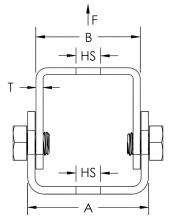




Material:
High-strength Steel for durable industrial and commercial use.

Surface Treatment:
Electro-galvanized coating for corrosion resistance. Hot-dip galvanized and other finishes also available on request.





Part No.	Hole Size	A	B	C	Thickness	Static Load
IC50106012	13 mm	61 mm	52 mm	30 mm	4 mm	4,000 N

STEEL WIRE ROPE OPEN-END CONNECTOR

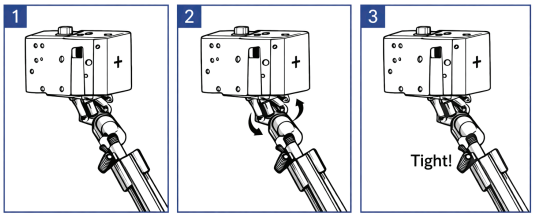
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Application:
Suitable for various structures including reinforced concrete, steel, and wood.
Can be used for seismic bracing and pipe support applications.
Innovative design makes installation simple, saving time and cost.



Material:
Q235B, compliant with GB/T700-2006.

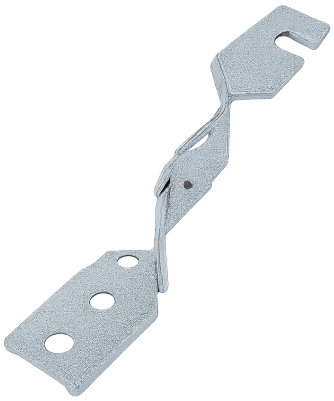
Surface Treatment:
Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.



Part No.	Specification	Design Load (kN)
IC50107012	M12	7
IC50107016	M16	6.5

ADJUSTABLE CONNECTOR B

Application:
Suitable for various structures including reinforced concrete, steel, and wood.
Can be used for seismic bracing and pipe support applications.
Innovative design makes installation simple, saving time and cost.



Material:
Q235B, compliant with GB/T700-2006.

Surface Treatment:
Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.

Part No.	Specification	Design Load (kN)
IC50108012	M12	6.5
IC50108016	M16	6.5

STEEL WIRE ROPE SINGLE-DIRECTION CONNECTOR

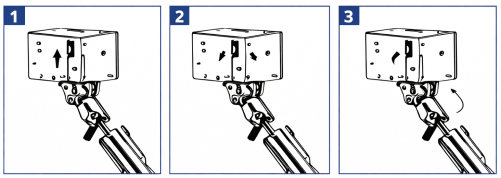
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Application:
Suitable for various structures including reinforced concrete, steel, and wood.
Can be used for seismic bracing and pipe support applications.
Innovative design makes installation simple, saving time and cost.



Material:
Q235B, compliant with GB/T700-2006.

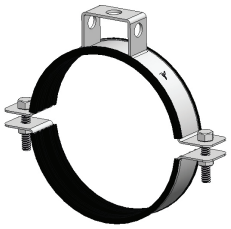
Surface Treatment:
Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.

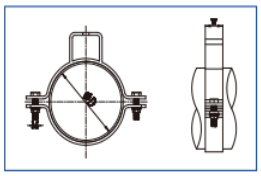


Part No.	Specification	Design Load (kN)
IC50109012	M12	8

SUSPENDED PIPE CLAMP

Application:
Suitable for DN65-DN150 pipe suspension.





Material:
Q235B, compliant with GB/T700-2006.

Surface Treatment:
Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.

Part No.	Nominal Diameter (DN)	D (mm)	Bolt Spec	Design Load (kN)
IC125010865	DN65	63.5	M12	9.5
IC12501080	DN80	76.1	M12	9.5
IC12501180	DN80	88.9	M12	9.5
IC12501100	DN100	108	M12	9.5
IC12501125	DN125	140	M12	9.5
IC12501150	DN150	168	M12	9.5

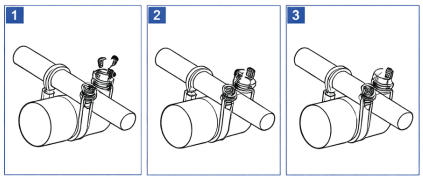
U-SHAPED CLAMP

Application:
Used for horizontal seismic bracing installation.
Size range: DN50–DN150.

Material:
Q235B, compliant with GB/T700-2006.

Surface Treatment:
Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.





Part No.	Nominal Diameter (mm)	D (mm)
IC11508050	DN50	60.3
IC11508065	DN65	63.5
IC11508665	DN65	76.1
IC11508080	DN80	88.9
IC11508100	DN100	114
IC11508125	DN125	88.9
IC11508150	DN150	168

C-TYPE STEEL BEAM CLAMP

Application:
Used for connecting steel beams such as I-beams and H-beams without drilling or welding.
Can also be used for connecting steel beams to equipment.
Provides a secure and adjustable connection, easy to install, and does not damage the structure.
Can be reused multiple times.

Material:
45# Steel, compliant with GB/T699-2015.

Surface Treatment:
Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.



Part No.	Design Load (kN)	Bolt Hole Size (mm)	Width (mm)
IC50101101	8	50	30

COUPLING NUT

Application:
Used for connecting two bolts together.
Comes with internal threads to ensure secure connection.

Material:
Q235B, compliant with GB/T700-2006.

Surface Treatment:
Electro-galvanized, average coating thickness 15 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.



Part No.	Thread Spec	Length (mm)	Package (pcs)
IC30135010	M10	40	50
IC30135012	M12	50	50
IC30135016	M16	50	50

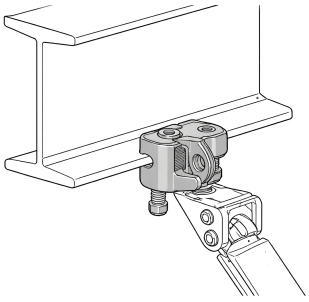
TRIANGULAR BEAM CLAMP

Application:
Used for connecting steel beams such as I-beams and H-beams without drilling or welding.
Can also be used for connecting steel beams to equipment.
Provides a secure and adjustable connection, easy to install, and does not damage the structure.
Can be reused multiple times.



Material:
45# Steel, compliant with GB/T699-2015.

Surface Treatment:
Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.



Part No.	Design Load (kN)	Bolt Hole Size (mm)	Width (mm)
IC50101200	13	50	30

SHEAR HEAD BREAK-OFF BOLT

Application:
Surface Treatment: Electro-galvanized, average coating thickness 15 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.

Performance Grade: 8.8

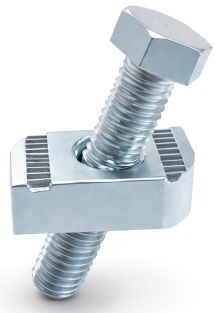


Part No.	Thread Spec	Recommended Torque (N•m)	Package (pcs)
IC30136012	M12	50	30

SLANTED BOLT FITTING

Application:
Suitable for securing connections between handrails and end caps.

Surface Treatment: Surface Treatment: Electro-galvanized, with an average zinc layer thickness not less than 5 m, compliant with GB/T9799-2011.
Optional coatings available: zinc-nickel plating, hot-dip galvanizing, etc.



Part No.	Thread Spec	A (mm)	B (mm)	M10 (mm)	M10 (mm)
IC30137010	M10	30	50	50	100

HEX NUT

Standard: ISO 4032 / DIN 934
Thread Type: Metric Coarse, 60° thread angle (ASME B1.1-compatible)
Materials & Finishes:
Zinc Plated Steel – Grade 5
Hot Dip Galvanized (HDG) Steel – Grade 5
Stainless Steel A2 (AISI 304), A4 (AISI 316)
Nut Fit Tolerance: Class 6H (Zinc/A2/A4), Class 6AZ (HDG)



Part No.	d	s (mm)	m (mm)
IC30105006	M6	10	5
IC30105008	M8	13	6.5
IC30105010	M10	17	8
IC30105012	M12	19	10
IC30105014	M14	22	11
IC30105016	M16	24	13

FLAT WASHER

Standard: ISO 7089 / DIN 125
Function: Distributes clamping load and protects surfaces
Materials: Zinc Plated Steel, HDG Steel, SS A2, SS A4
Size Range: M6 to M24



Part No.	d	D (mm)	h (mm)
IC30106006	M6	12	1.6
IC30106008	M8	16	1.6
IC30106010	M10	20	2
IC30106012	M12	24	2.5
IC30106014	M14	28	2.5
IC30106016	M16	30	3

SPRING LOCK WASHER

Standard: DIN 127
Function: Prevents loosening under vibration
Materials: Zinc Plated Steel, SS A2, SS A4
Size Range: M6 to M16



Part No.	d	d1 (mm)	s (mm)
IC30107006	M6	10.7	1.6
IC30107008	M8	13.6	2
IC30107010	M10	17	2.2
IC30107012	M12	21	2.5
IC30107014	M14	23.8	2.5
IC30107016	M16	26.9	3

TECHNICAL DRAWINGS

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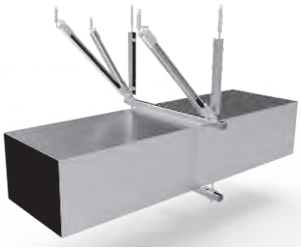


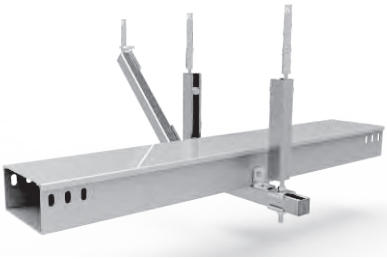


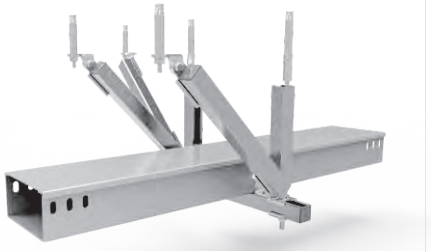


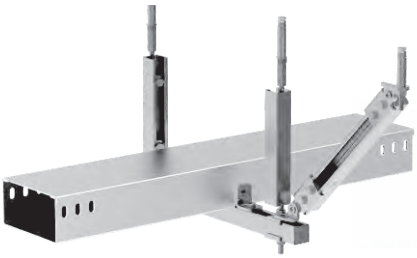
TECHNICAL DRAWINGS

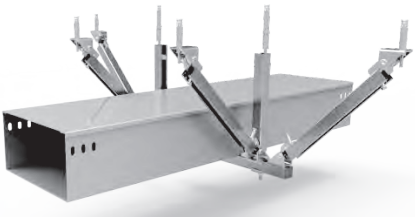


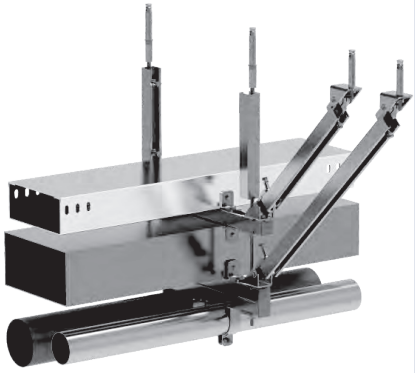


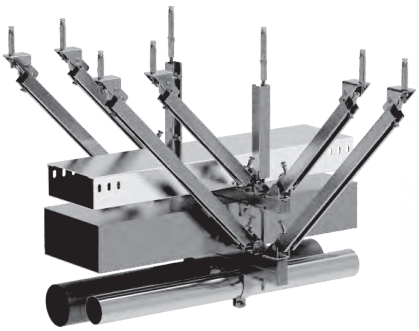
















TECHNICAL DRAWINGS

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