

SISTEMA FESTOON

C32

MODELO

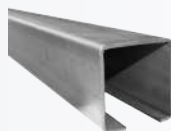


CODEMA
Cranes & Components



C32 MODEL

C32X30X1.5



C32EC-70



C32EC-75



C32DZ-1



C32CL-1



C32MC-70



C32DJ-2



C32SC-75



C32SC-70



C32RST-30



C32RET-30



C32MC-75



C32RMT-30



C32 MODEL

C32JT-1



C32JT-2



RCT-30



C32EN-16P



C32PMC-70



C30DM



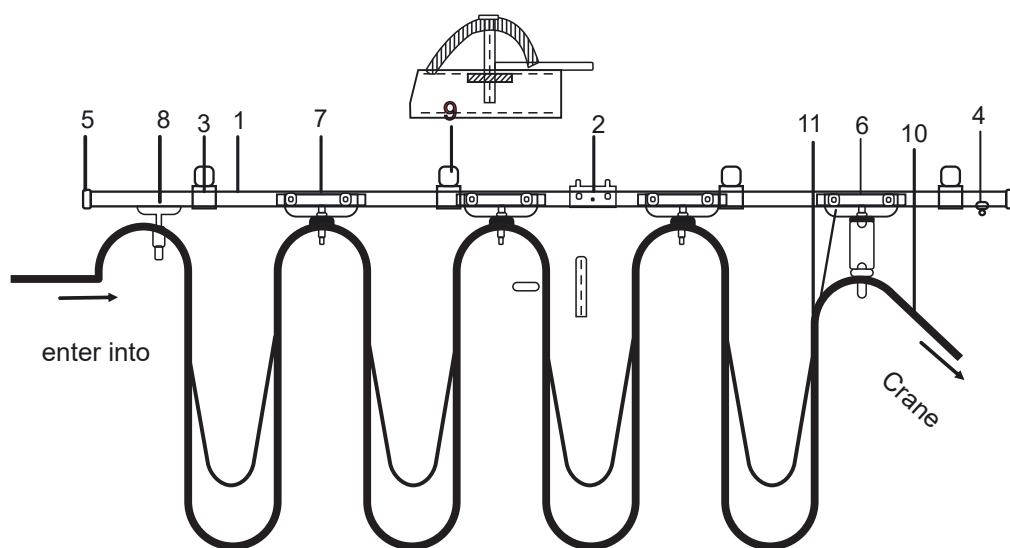
RET-30



RMT-30

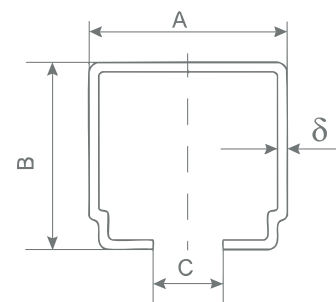
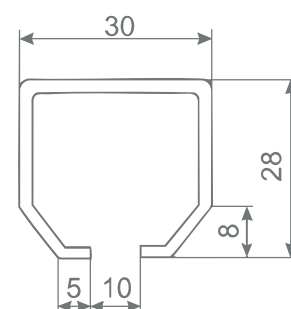


- 1.- C-Track
- 2.- Joint
- 3.- Hanger
- 4.- End stop
- 5.- End cap
- 6.- Towing Trolley
- 7.- Middle Trolley
- 8.- End Trolley
- 9.- Bracket Support
- 10.- Cable



C - TRACK

TYPE	C32*30*1.5	C40*40*2.0	C63*63*4.0	C30*28*1.5
Cat.-No	C32*30*1.5	C40*40*2.0	C63*63*4.0	C30*28*1.5
MATERIAL	GALVANIZED STEEL			
Weight (Kg/m)	1.19	2.00	5.98	1.03
TECHNICAL DATA				
A	32	40	63	30
B	30	40	63	28
C	12	13	18	10
δ	1.5	2.0	4.0	1.5
SPACING	MAXIMUM CABLE LOAD			
1.5 m	89 kg	188 kg	503 kg	70 kg
2.0 m	51 kg	103 kg	425 kg	36 kg
2.5 m	39 kg	73 kg	302 kg	22 kg
3.0 m	23 kg	49 kg	195 kg	-
4.0 m	-	28 kg	85 kg	-



Standard Length: 4m

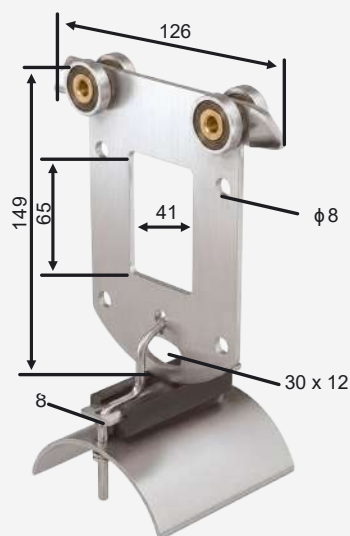
C32 FESTOON SYSTEM

The Codema C32 Festoon System is an industrial cable and hose management system engineered for the controlled guidance, support, and protection of electrical cables, control cables, data communication lines, fiber optic cables, and hydraulic or pneumatic hoses on mobile and reciprocating machinery. The system is designed for applications in which power, control, and communication services must remain continuously connected while the equipment performs repetitive longitudinal movement.

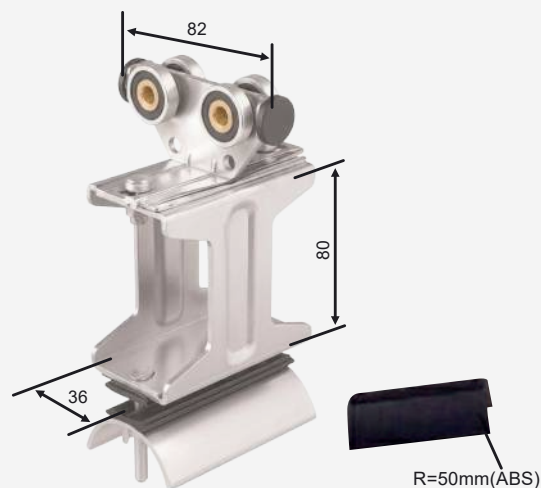
The C32 system incorporates a robust C-Track profile in which cable trolleys travel along a defined path, maintaining the cables and hoses in a controlled and organized configuration throughout the complete operating cycle. The trolley arrangement distributes the weight of the suspended cables and hoses along the track, controlling their movement and preventing uncontrolled dragging, excessive sagging, twisting, or contact with surrounding equipment. This controlled guidance reduces mechanical stress on the cables and hoses and maintains the required bending radius during operation.

The system can be configured with multiple trolley arrangements and cable support components according to the required travel distance, cable quantity, cable diameter, hose dimensions, total suspended load, bending radius, operating speed, and installation conditions. This modular configuration allows the C32 to accommodate different cable and hose combinations within the same festoon arrangement, including power supply cables, control and instrumentation cables, communication lines, Ethernet or other data cables, and fiber optic cables.

TOWING TROLLEY



C32SC-75



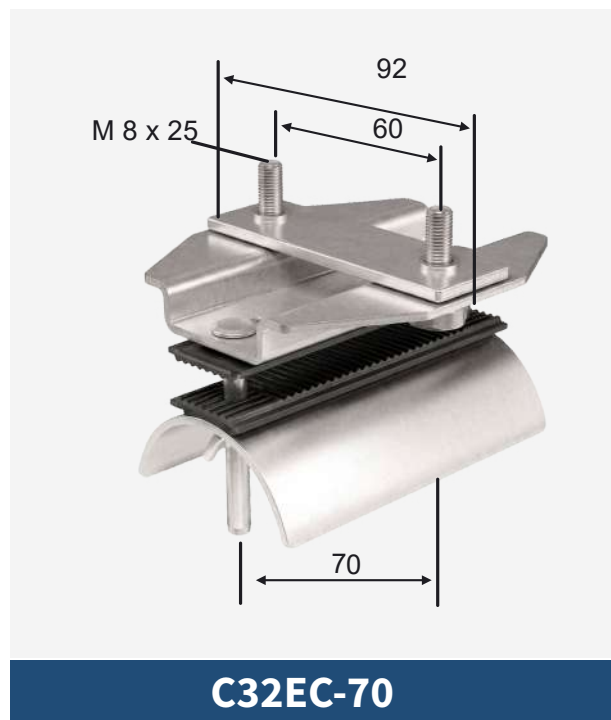
C32SC-70

TYPE	C32SC-75	C32EC-70
WHEELS	Ball bearings, hardened, galvanized. Temperature resistance of wheel grease: -30°C to +125°C. Traveling speed: approx. 160 m/min.	Ball bearings, hardened, galvanized. Temperature resistance of wheel grease: -30°C to +125°C. Traveling speed: approx. 160 m/min.
MATERIAL	Carrier body: Steel, galvanized. Support saddle: Steel, galvanized. Bumper: Neoprene. Dowel: Brass. Hardware: Galvanized. Temperature resistance: -30°C to +100°C.	Carrier body: Steel, galvanized. Support saddle: Steel, galvanized. Bumper: Neoprene. Dowel: Brass. Hardware: Galvanized. Temperature resistance: -30°C to +100°C.
MAX. CABLE LOAD	Max. 25 kg per carrier	Max. 22 kg per carrier
DIM. OF CABLE (MM)	Max. 75W × 32δ	Max. 70W × 32δ
WEIGHT (KG)	0.59/0.52	0.55/0.48(R=50,ABS Saddle)
CAT.-NO.	711101/711102 (R=50,ABS)	711105/711106 (R=50,ABS)

END TROLLEY



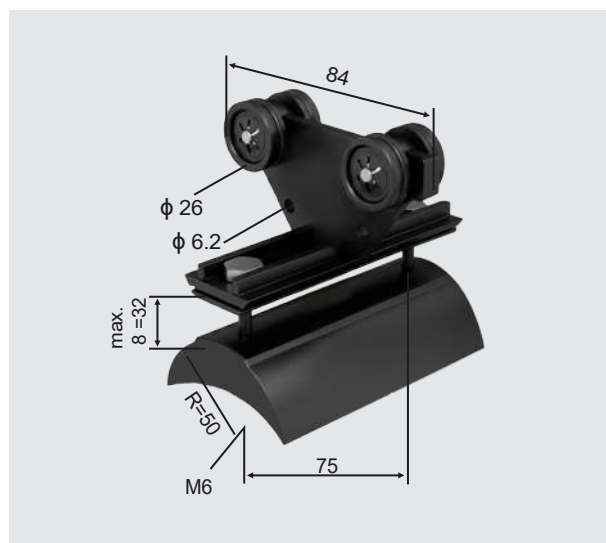
C32EC-75



C32EC-70

TYPE	C32EC-75	C32EC-70
MATERIAL	Carrier Body: Steel, Galvanized. Support Saddle: Steel, Galvanized. Dowel: Brass. Hardware: Galvanized.	Carrier Body: Steel, Galvanized. Support Saddle: Steel, Galvanized. Dowel: Brass. Hardware: Galvanized.
MAX. CABLE LOAD	Max. 25 kg per carrier	Max. 22 kg per carrier
DIM. OF CABLE (MM)	Max. 75W x 32δ	Max. 70W x 32δ
WEIGHT (KG)	0.37/0.30 (R=50,ABS)	0.31/0.25 (R=50,ABS)
CAT.-NO.	711301/711302 (R=50,ABS)	711305/711306 (R=50,ABS)

PVC MIDDLE TROLLEY



TYPE	C32PMC-70
WHEELS	Wheels: PVC Temperature resistance lubricant (grease): -30°C to +80°C Traveling speed: ca. 120 m/min.
MATERIAL	Carrier body: ABS Support. Saddle: ABS. Bumper: Neoprene. Dowel: PVC. Hardware: PVC. Temperature resistance: -30°C to +80°C.
MAX. CABLE LOAD	Max. 8 kg per carrier
DIM. OF CABLE (MM)	Max. 70 × W328
WEIGHT (KG)	0,14
CAT.-NO.	711215

GALVANIZED TROLLEY



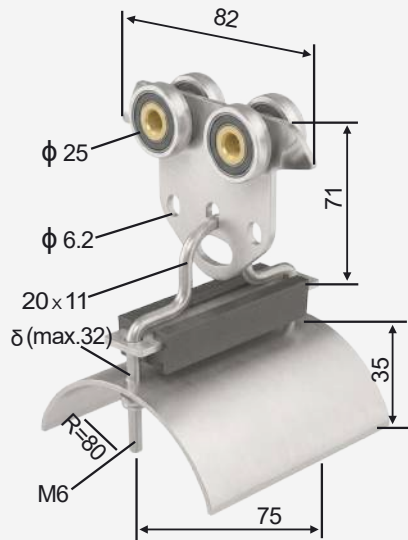
The Codema galvanized C-Track trolley system is designed to provide reliable and durable cable management for festoon applications in industrial environments. The C-Track is manufactured from galvanized steel, offering excellent resistance against corrosion, oxidation, and environmental exposure.

The galvanized surface treatment increases the service life of the track while maintaining smooth and stable trolley movement during continuous operation. The system provides a strong and protected support structure for festoon cables, ensuring safe guidance and reducing mechanical stress during crane and trolley movements.

The galvanized C-Track trolley is an efficient solution for overhead crane, electric hoist, and mobile equipment applications where reliable cable support, durability, and low maintenance operation are required.

TYPE	Cat.-No.
C32MC-70	711205/711206 (R=50, ABS)

MIDDLE TROLLEY C32



C32MC-75



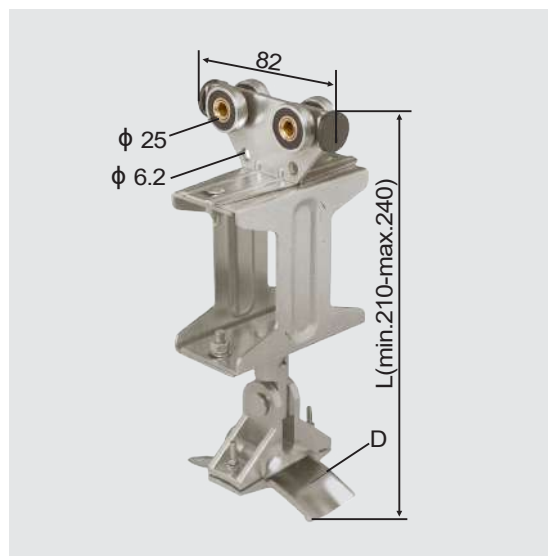
C32MC-70

TYPE	C32MC-75	C32MC-70
WHEELS	Ball bearings, Hardened, Galvanized. Temperature resistance of wheel grease: -30°C to +125°C. Traveling speed: approx. 160 m/min.	Ball bearings, Hardened, Galvanized. Temperature resistance of wheel grease: -30°C to +125°C. Traveling speed: approx. 160 m/min.
MATERIAL	Carrier Body: Steel, Galvanized. Support Saddle: Steel, Galvanized Bumper: Neoprene. Dowel: Brass, Galvanized. Hardware: Galvanized. Temperature Resistance: -30°C to +100°C (80°C,saddleABS).	Carrier Body: Steel, Galvanized. Support Saddle: Steel, Galvanized Bumper: Neoprene. Dowel: Brass, Galvanized. Hardware: Galvanized. Temperature Resistance: -30°C to +100°C (80°C,saddleABS).
MAX. CABLE LOAD	Max. 25 kg per carrier	Max. 22 kg per carrier
DIM. OF CABLE (MM)	Max. 75W x 32δ	Max. 70W x 32δ
WEIGHT (KG)	0.41	0.32
CAT.-NO.	711201/711202 (R=50, ABS)	711205/711206 (R=50, ABS)

TROLLEY

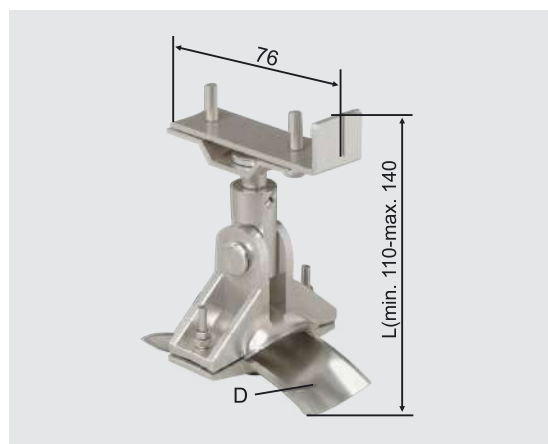
FOR ROUND CABLE C32

TOWING TROLLEY C32RST



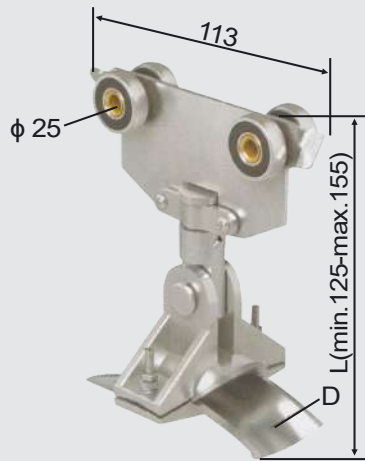
TYPE	C32RST-30	C32RST-40
WHEELS	Ball bearings, hardened, galvanized. Temperature resistance Lub.grease of wheels: -30°C to +125°C. Traveling speed: ca.120m/min.	Ball bearings, hardened, galvanized. Temperature resistance Lub.grease of wheels: -30°C to +125°C. Traveling speed: ca.120m/min.
MATERIAL	Carrier body: Steel, Galvanized. Support saddle: Galvanized Steel. Dowel: Brass, Galvanized. Hardware: Galvanized. Temperature resistance: -30°C to +125°C.	Carrier body: Steel, Galvanized. Support saddle: Galvanized Steel. Dowel: Brass, Galvanized. Hardware: Galvanized. Temperature resistance: -30°C to +125°C.
MAX. CABLE LOAD	Max. 20 kg per carrier	Max. 25 kg per carrier
DIM. OF CABLE	Max. D = 30 mm	Max. D = 40 mm
WEIGHT (KG)	0.73	0.75
CAT.-NO.	711130	711140

END TROLLEY C32RET



TYPE	C32RET-30	C32RET-40
MATERIAL	Carrier Body: Steel, Galvanized Support Saddle: Galvanized Steel Dowel: Brass, Galvanized Hardware: Galvanized Temperature Resistance: -30°C to +125°C	Carrier Body: Steel, Galvanized Support Saddle: Galvanized Steel Dowel: Brass, Galvanized Hardware: Galvanized Temperature Resistance: -30°C to +125°C
MAX. CABLE LOAD	Max. 20 kg per carrier	Max. 25 kg per carrier
DIM. OF CABLE	Max. D = Ø30 mm	Max. D = Ø40 mm
WEIGHT (KG)	0.27	0.29
CAT.-NO.	711330	711340

MIDDLE TROLLEY C32RMT



TYPE	C32RMT-30	C32RMT-40
WHEELS	Ball bearings, hardened, galvanized. Temperature resistance Lub grease of wheels: -30°C to +125°C. Traveling speed: ca. 120 m/min.	Ball bearings, hardened, galvanized. Temperature resistance Lub grease of wheels: -30°C to +125°C. Traveling speed: ca. 120 m/min.
MATERIAL	Carrier Body: Steel, Galvanized Support Saddle: Galvanized Steel Dowel: Brass, Galvanized Hardware: Galvanized Temperature Resistance: -30°C to +125°C	Carrier Body: Steel, Galvanized Support Saddle: Galvanized Steel Dowel: Brass, Galvanized Hardware: Galvanized Temperature Resistance: -30°C to +125°C
MAX. CABLE LOAD	Max. 20 kg per carrier	Max. 25 kg per carrier
DIM. OF CABLE	Max. D = Ø30 mm	Max. D = Ø40 mm
WEIGHT (KG)	0.27	0.29
CAT.-NO.	711330	711340

WIRE ROPE MIDDLE TROLLEY (C32)



TYPE	RMT-30
WHEELS	Wheels: PVC Temperature resistance (Lub. grease): -30°C to +120°C Traveling speed: ca. 120 m/min.
MATERIAL	Carrier body: PVC. Support saddle: PVC. Dowel: PVC. Hardware: Galvanized. Temperature resistance: -30°C to +100°C.
MAX. CABLE LOAD	Max. 8 kg
DIM. OF CABLE	Max. D = Ø30 mm
WEIGHT (KG)	0.17
L1 (MM)	77
CAT.-NO.	783230

WIRE ROPE STOP BALL (C32)



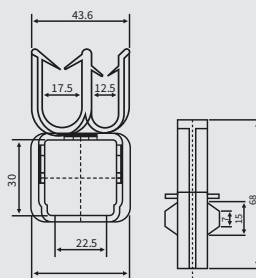
TYPE	MATERIAL
RCT-30	PVC
WEIGHT (KG)	CAT.- NO.
0.05	793132

WIRE ROPE END TROLLEY (C32)



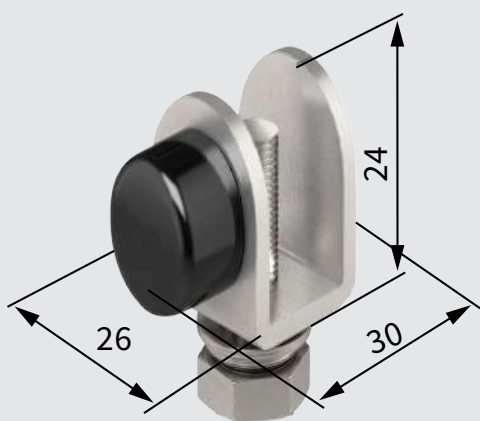
TYPE	RET-30
MATERIAL	Support saddle: PVC. Hardware: Galvanized. Temperature resistance: -30°C to +100°C.
MAX. CABLE LOAD	Max. 8 kg
DIM. OF CABLE	Max. D = Ø30 mm
WEIGHT (KG)	0.06
L1 (MM)	77
CAT.-NO.	783330

CABLE CLIP C32XK



TYPE	WIGHT (KG)	MATERIAL	ORDER - NO.
C32XK	0.022	PVC	713718

BUMPER END STOP C32BDZ



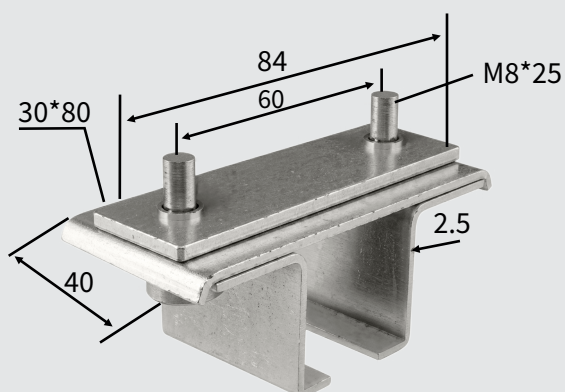
READY INSTALLED

COULD BE USED FOR C32/C40

TYPE	C32DZ
WEIGHT (KG)	0.05
MATERIAL	Galvanized
ORDER - NO.	713702

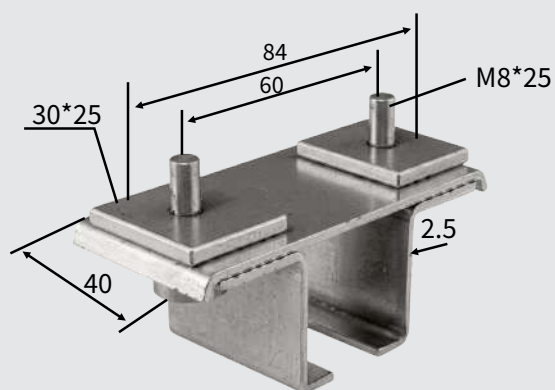
HANGER C32DJ

READY INSTALLED



C32DJ-1

TYPE	WEIGHT (KG)
C32DJ-1	0.218
MATERIAL	ORDER - NO.
Galvanized	714101



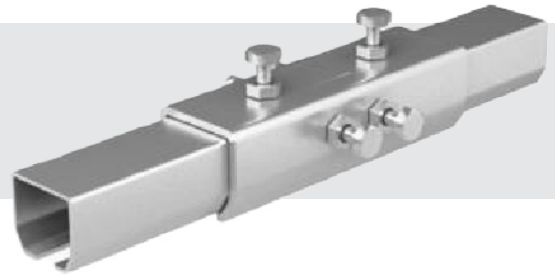
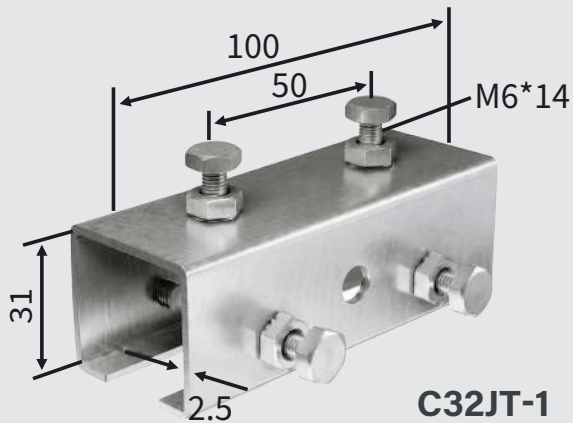
C32DJ-2

TYPE	WEIGHT (KG)
C32DJ-2	0.223
MATERIAL	ORDER - NO.
Galvanized	714101

FOR C-TRACK SUPPORT BRACKET

JOINT CLAMP C32JT

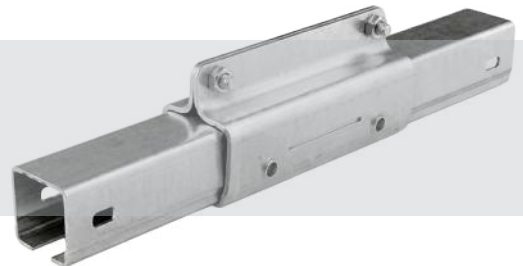
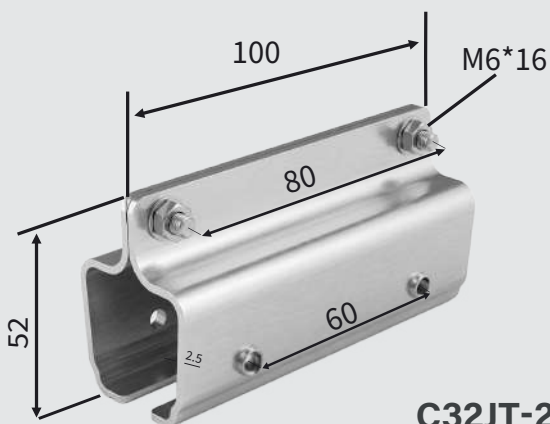
READY INSTALLED



C32JT-1

TYPE	WEIGHT (KG)
C32JT-1	0.284
MATERIAL	ORDER - NO.
Galvanized Steel	713401

READY INSTALLED

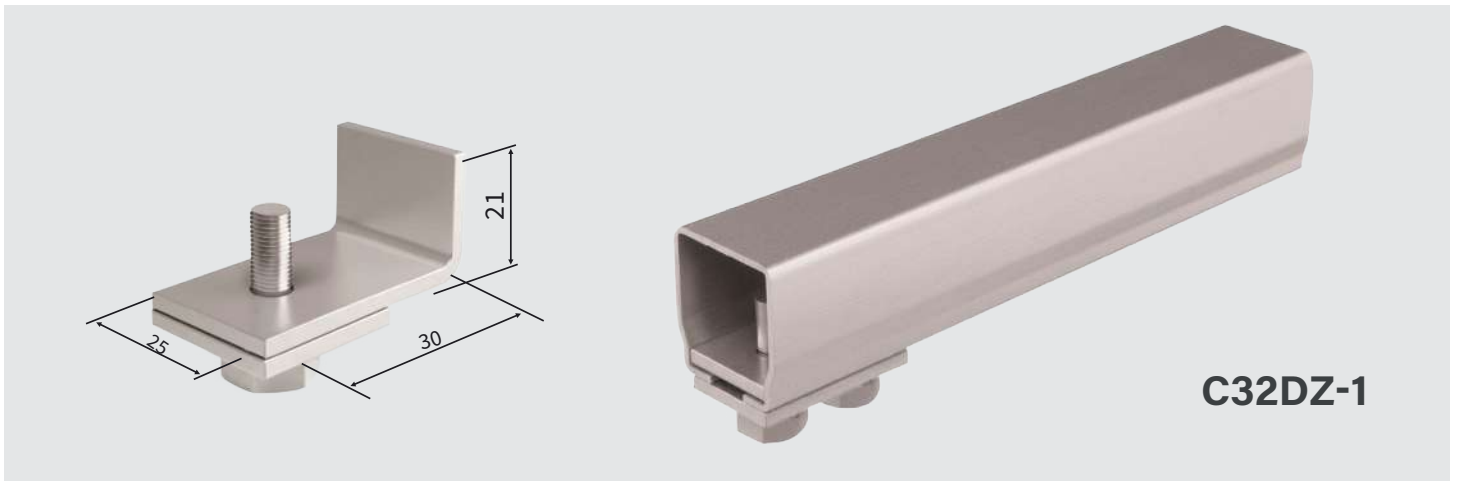


C32JT-2

TYPE	WEIGHT (KG)
C32JT-2	0.265
MATERIAL	ORDER - NO.
Galvanized Steel	713402

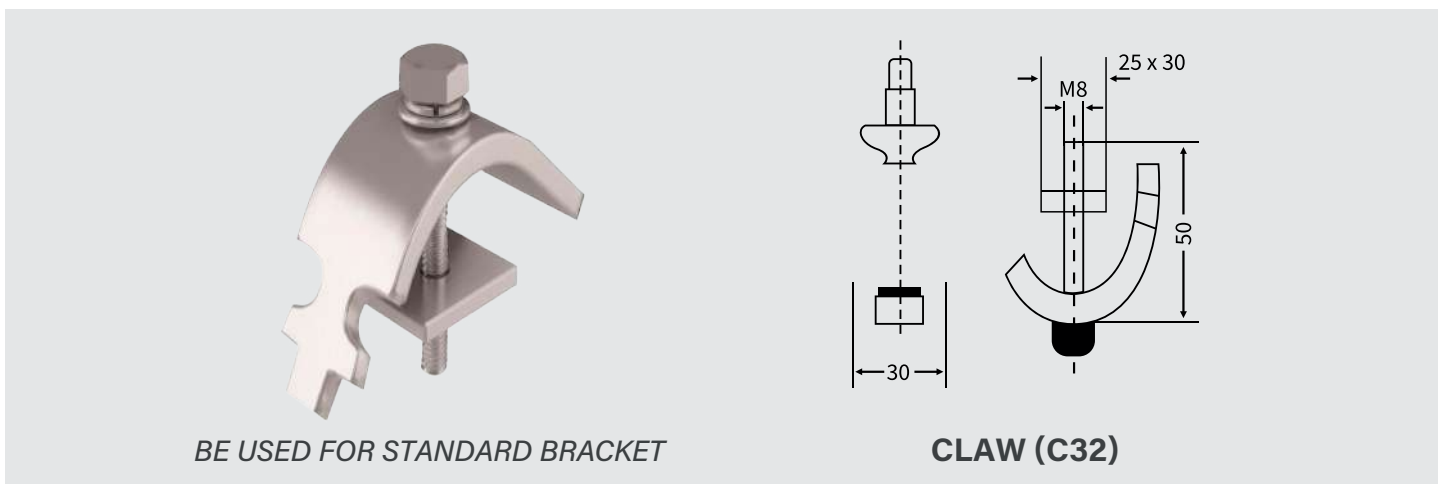
FOR C-TRACK SUPPORT BRACKET

END STOP C32DZ-1



TYPE	WEIGHT (KG)	MATERIAL	ORDER - NO.
C32DZ-1	0.05	Galvanized	713702

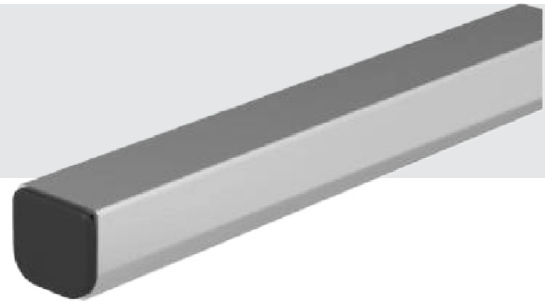
CLAW (C32)



TYPE	WEIGHT (KG)	MATERIAL	ORDER - NO.
C32CL - 1	0.202	Galvanized Steel	714180

WIRE ROPE STOP BALL (C32)

READY INSTALLED



TYPE	MATERIAL
C30 DM	PVC
WEIGHT (KG)	CAT.- NO.
0.005	703701

SYSTEM OPERATION

C32 FESTOON SYSTEM

The Codema C32 Festoon System operates through a guided trolley arrangement mounted inside a galvanized steel C-Track, providing a controlled path for the electrical cables connecting fixed power sources to moving equipment. The system is specifically engineered for applications involving repetitive longitudinal travel, such as crane trolleys, electric hoists, and mobile material-handling equipment.

During equipment movement, the cable trolleys travel progressively along the C-Track, carrying and distributing the festoon cables across the active travel section. As the moving equipment advances, the trolley assembly opens and closes the cable loops in a controlled sequence, maintaining uniform cable spacing and preventing the cables from dragging against the structure, interfering with adjacent components, or exceeding their specified bending radius.

The trolley sequence is determined by the movement of the connected equipment and the geometry of the festoon installation. Each trolley supports a defined section of the cable load, distributing the suspended weight along the track rather than concentrating the load at a single point. This arrangement controls cable deflection and keeps the cable package aligned throughout the operating stroke.

At the end of the travel path, the trolley assembly compresses the cable loops into the designated parking area. When the equipment reverses direction, the trolleys progressively separate and redistribute the cable loops along the track. This continuous opening and closing movement allows the cable package to follow the equipment without uncontrolled displacement or excessive deformation.

The galvanized C-Track provides the mechanical guideway for the trolley assembly and establishes a fixed travel geometry for the complete cable arrangement. Its enclosed profile protects the trolley wheels and supporting components from direct contact with surrounding structures while providing a defined route for continuous operation. The galvanized surface treatment provides additional resistance to corrosion in industrial environments and outdoor installations where exposure to humidity and atmospheric contaminants must be considered.

MADE IN **GERMANY**