SISTEMA FESTOON

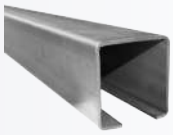
C32

MODELO

CODEMA
Cranes & Components

C32 MODEL

C32x30x1.5



C32JT-2

C32EC70

C32SC-75

C32DZ-1

C32CL-1

C32MC-70

C32DJ-2

C32C -75

C32RST-30

C32EC -75

C32RET-30

C32MC - 60

C32RMT-30

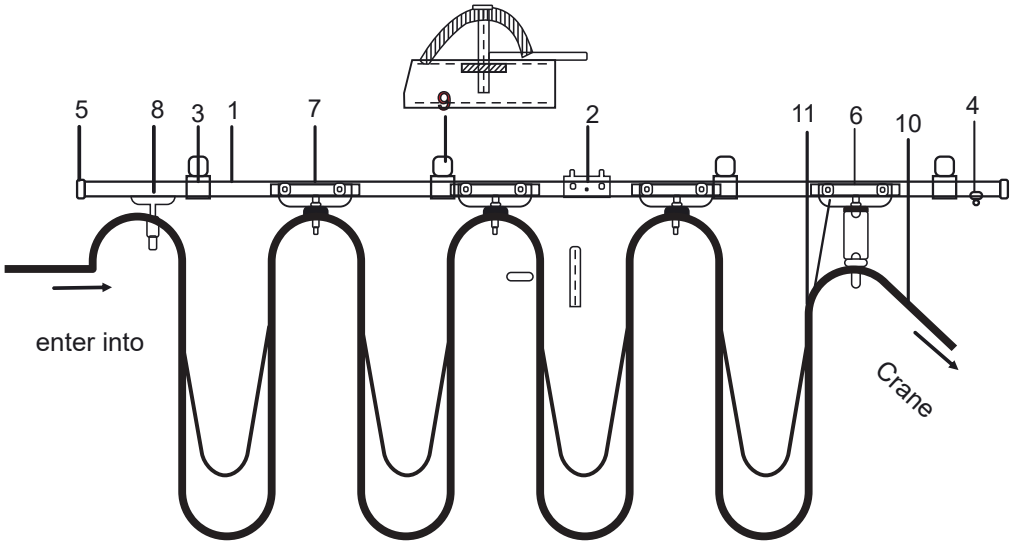
Festoon SYSTEM

ELECTRICAL WIRING FOR CRANES AND HOISTS

C32 MODEL

C32JT-1		**C32EN-16**	
C32PMC-7		**C32DM**	
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

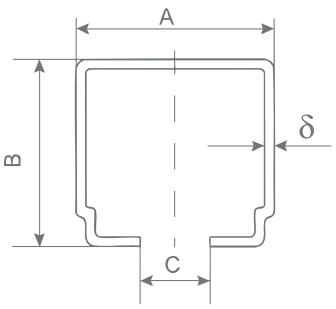


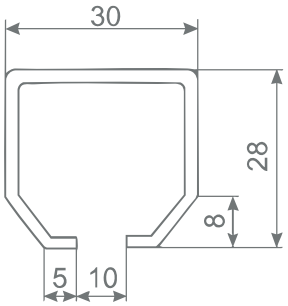
CODEMA Cranes & Components

2026

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

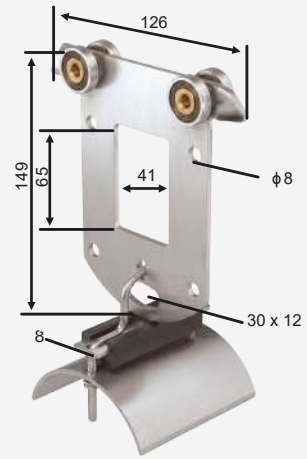
C32 FESTOON SYSTEM

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.

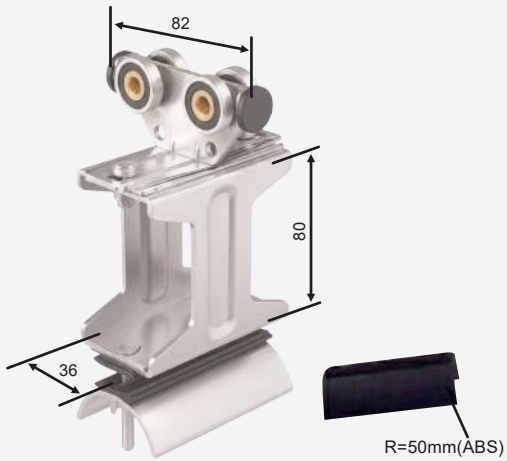
The C32 system incorporates a robust C-Track profile in which cable trolleys travel along a defined path, maintaining the cables and hoses in a controlled and organized configuration throughout the cmplete operating cycle. The trolley arrangement distributes the weight of the suspended cables and hoses 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



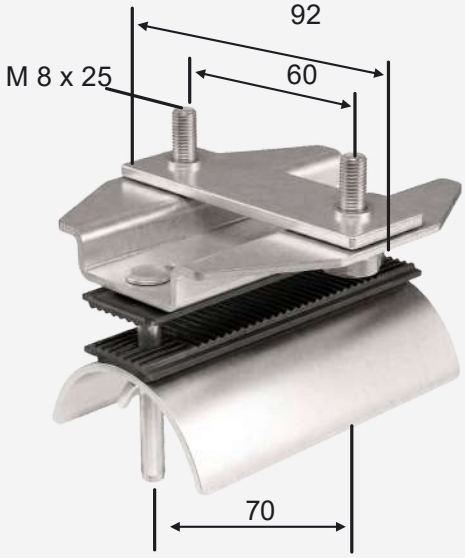
C32C -75



C32SC-70

END TROLLEY (C32)

C32EC -75

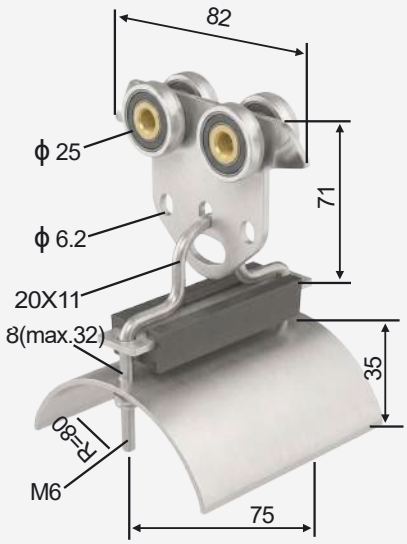


C32EC -70

END **TROLLEY C32**

TYPE	C32SC-75 / C32SC-70	C32EC-75 / C32EC-70
WHEELS	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.	
MAX. CABLE LOAD	Max. 25 kg per carrier	Max. 25 kg per carrier
DIM. OF CABLE (MM)	Max. 75W × 328 / Max. 70W × 328	Max. 75W × 328 / Max. 70W × 328
WEIGHT (KG)	0.61 / 0.59	0.39 / 0.32
CAT.-NO.	711101 / 711105 711102 **(R=50, ABS)**	711301 / 711305 711302 **(R=50, ABS)**

MIDDLE **TROLLEY C32**

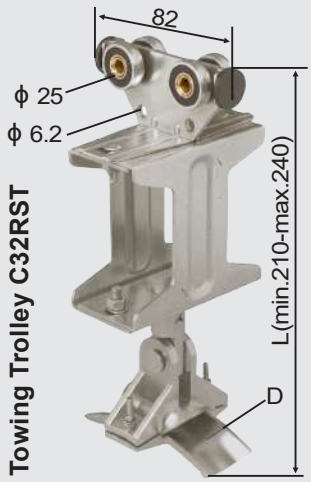


C32MC - 60

C32SC - 60

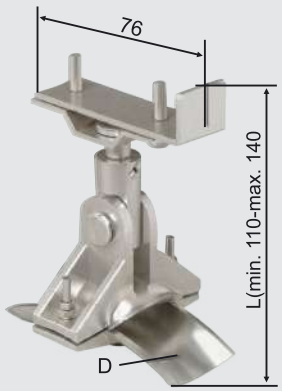
TYPE	C32MC -75	C32MC - 70
WHEELS	Ball bearings, hardened, galvanized. Temperature resistance of wheel grease: -30°C to +125°C. Traveling speed: approx. 160 m/min.	
MATERIAL	▪ **Carrier body:** Steel, galvanized. ▪ **Support saddle:** Steel, galvanized. ▪ **Bumper:** Neoprene. ▪ **Dowel:** Brass. ▪ **Hardware:** Galvanized. ▪ **Temperature resistance:** -30°C to +100°C.	
MAX. CABLE LOAD	Max. 25 kg per carrier	Max. 25 kg per carrier
DIM. OF CABLE (MM)	Max. 75W × 328	Max. 75W × 328
WEIGHT (KG)	0.415	0.295
CAT.-NO.	711101 711102 **(R=50, ABS)**	711205

MIDDLE **TROLLEY C32**



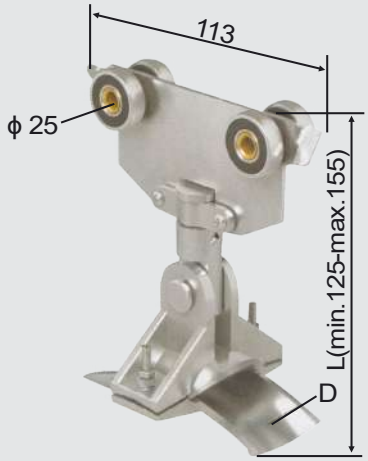
TYPE	C32RST-30	C32RST-40
WHEELS	Ball bearings, hardened, galvanized. Temperature resistance of wheel grease: -30°C to +125°C. **Traveling speed:** approx. 120 m/min.	
MATERIAL	▪ **Carrier body:** Steel, galvanized. ▪ **Support saddle:** Galvanized steel or aluminum. ▪ **Dowel:** Brass or steel, galvanized. ▪ **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**



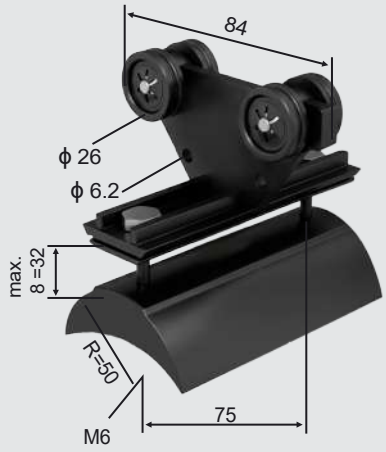
TYPE	C32RET-30	C32RET-40
MATERIAL	▪ **Carrier Body:** Steel, galvanized ▪ **Support Saddle:** Galvanized steel or Aluminum ▪ **Dowel:** Brass or steel, galvanized ▪ **Hardware:** Galvanized ▪ **Temperature Resistance:** -30°C to +125°C	
MAX. CABLE LOAD	Max. 20 kg per carrier	Max. 25 kg per carrier
DIM. 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 lubricant (grease): -30°C to +125°C. **Traveling speed:** ca. 120 m/min.	
MATERIAL	▪ **Carrier Body:** Steel, galvanized ▪ **Support Saddle:** Galvanized steel or Aluminum ▪ **Dowel:** Brass or steel, galvanized ▪ **Hardware:** galvanized ▪ **Temperature Resistance:** -30°C to +125°C	
MAX. CABLE LOAD	Max. 20 kg per carrier	Max. 20 kg per carrier
DIM. OF CABLE	**Max. D = Ø30 mm**	**Max. D = Ø40 mm**
WEIGHT (KG)	0.36	0.38
CAT.-NO.	711230	711240

PVC **MIDDLE TROLLEY**



TYPE	C32PMC-70
WHEELS	Wheels: Nylon - 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

GALAVANIZED **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.

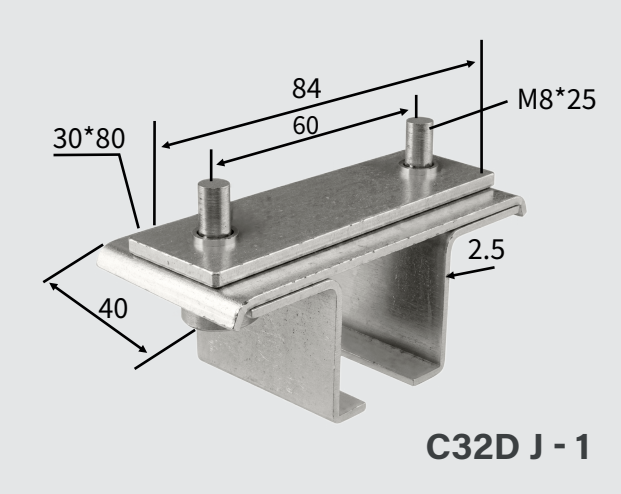
The galvanized surface treatment increases the service life of the track while maintaining smooth and stable trolley movement during continuous operation. The system provides a strong and protected support structure for festoon cables, ensuring safe guidance and reducing mechanical stress during crane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

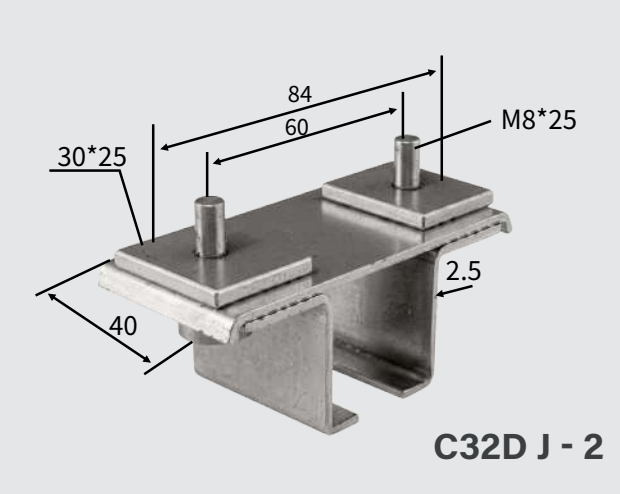
The galvanized C-Track trolley is an efficient solution for overhead crane, electric hoist, and mobile equipment applications where reliable cable support, durability, and low maintenance operation are required.

TYPE	Cat.-No.
C32MC-70	711208

HANGER **C32DJ**

FOR C-TRACK SUPPORT BRACKET



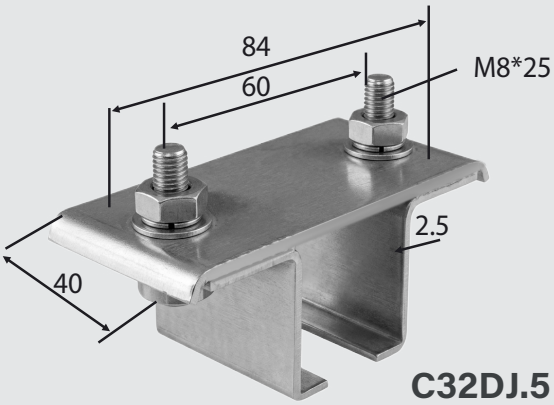


TYPE	WIGHT (KG)	MATERIAL	ORDER - NO.
C32D J - 1	0.218	Galvanized	714101
C32D J - 2	0.223	Galvanized	714101

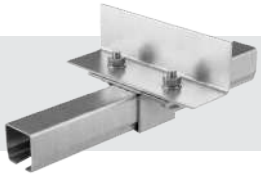
READY INSTALLED

HANGER **C32DJ**

FOR C-TRACK SUPPORT BRACKET



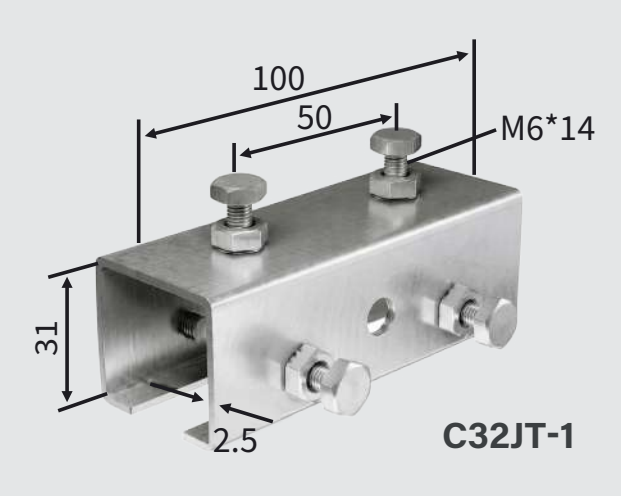
READY INSTALLED

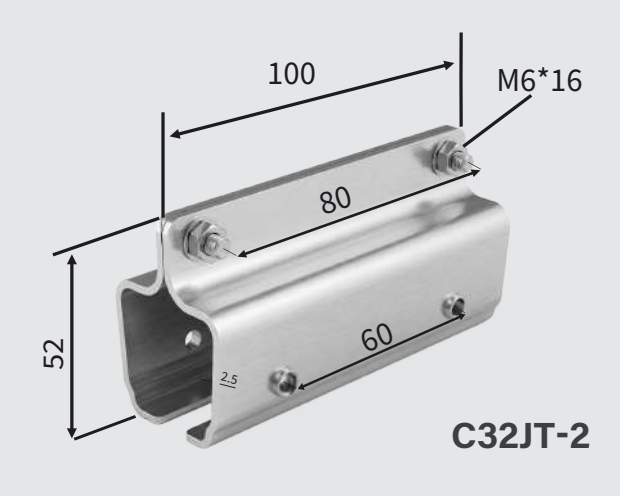


TYPE	C32D J-1
WEIGHT (KG)	0.196
MATERIAL	Galvanized
ORDER - NO.	714105

JOINT CLAMP **C32JT**

FOR C-TRACK SUPPORT BRACKET

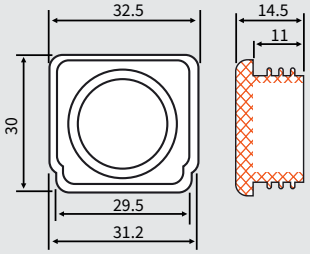




TYPE	WIGHT (KG)	MATERIAL	ORDER - NO.
C32JT-1	0.284	Galvanized steel	713401
C32JT-2	0.265	Galvanized steel	713402

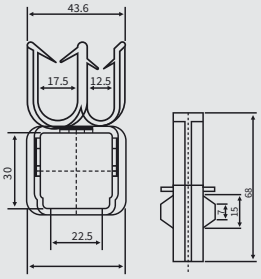
READY INSTALLED

CAP **C32DM**



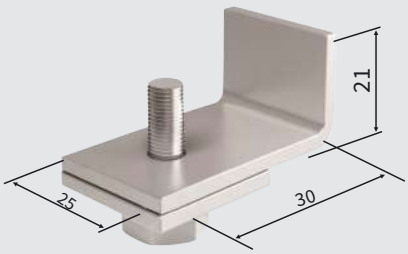
TYPE	WIGHT (KG)	MATERIAL	ORDER - NO.
C32DM	0.01	PVC	713708

CABLE CLIP **C32XK**



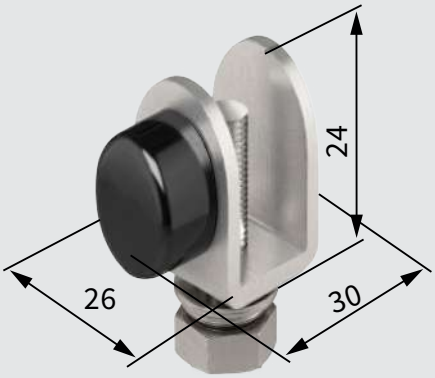
TYPE	WIGHT (KG)	MATERIAL	ORDER - NO.
C32XK	0.022	PVC	713718

END STOP **C32DZ**



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

BUMPER END STOP **C32BDZ**

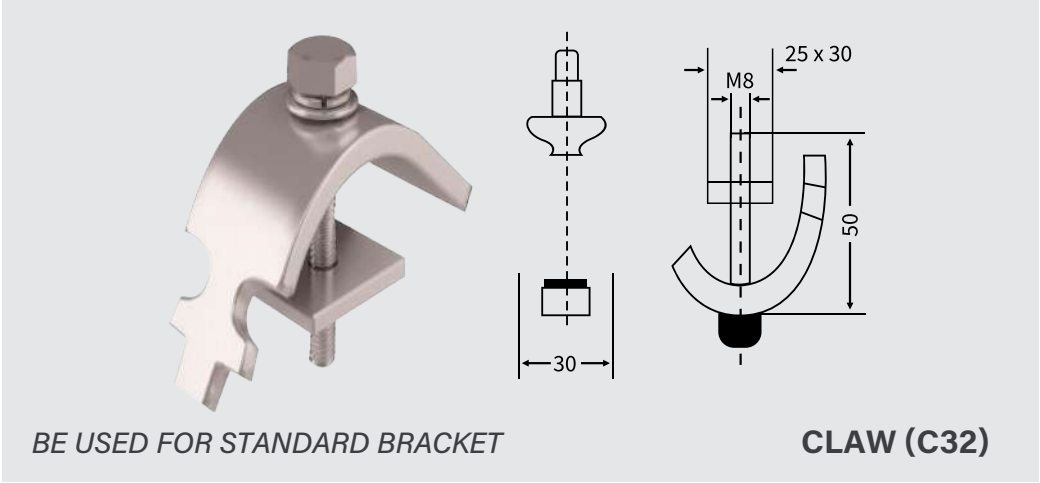


READY INSTALLED

COULD BE USED FOR C32/40 C-

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

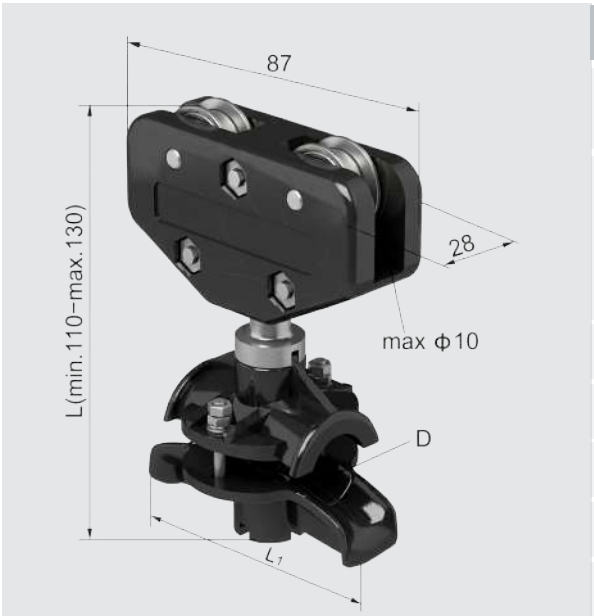
CLAW **(C32)**



BE USED FOR STANDARD BRACKET **CLAW (C32)**

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

WIRE ROPE **MIDDLE TROLLEY (C32)**



TYPE	RMT-30
WHEELS	**Wheels:** plastic **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 =** Φ30 mm
WEIGHT (KG)	0.17
L1 (MM)	77
CAT.-NO.	783230

WIRE ROPE **END TROLLEY (C32)**

TYPE	RMT-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 =** Φ30 mm
WEIGHT (KG)	0.06
L1 (MM)	77
CAT.-NO.	783330

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**