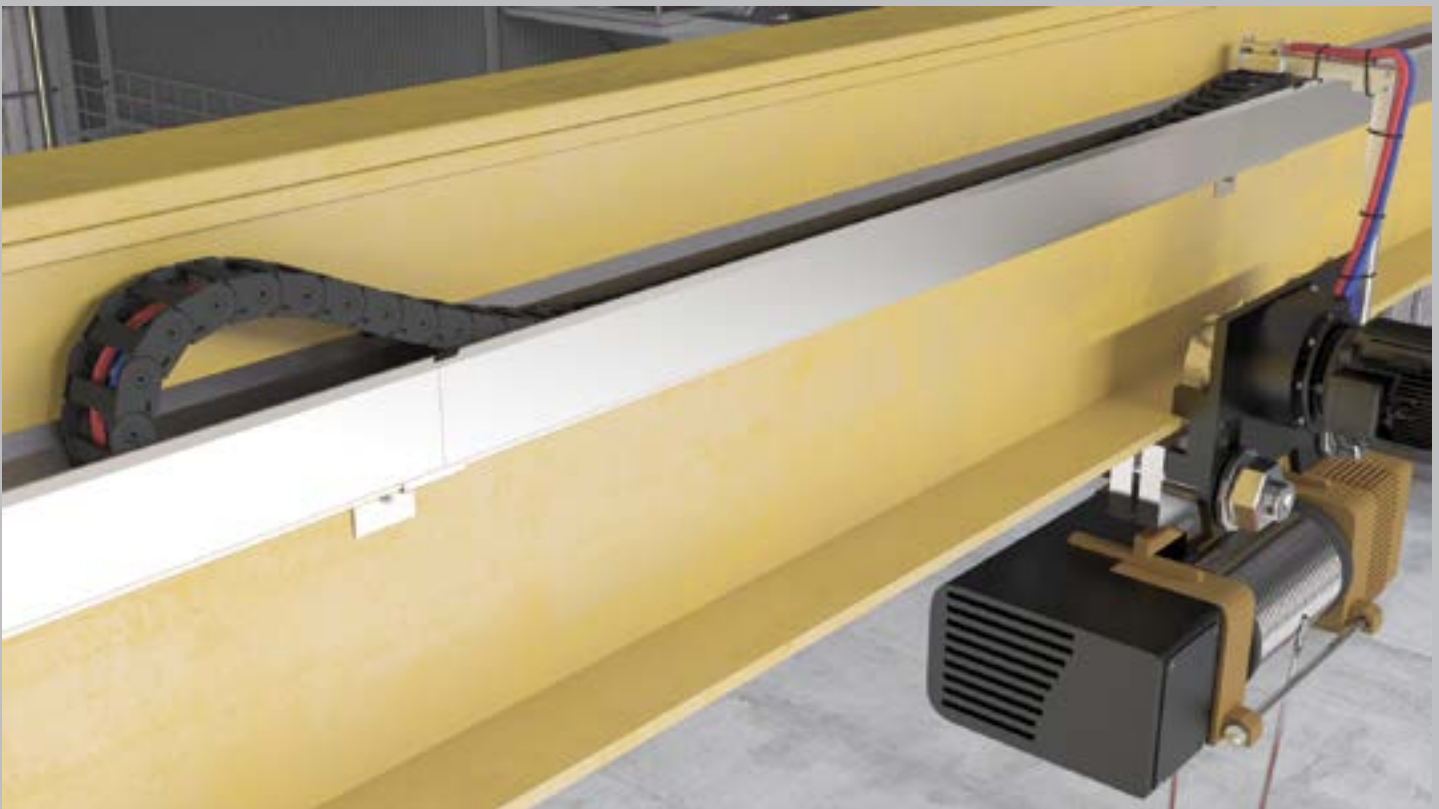




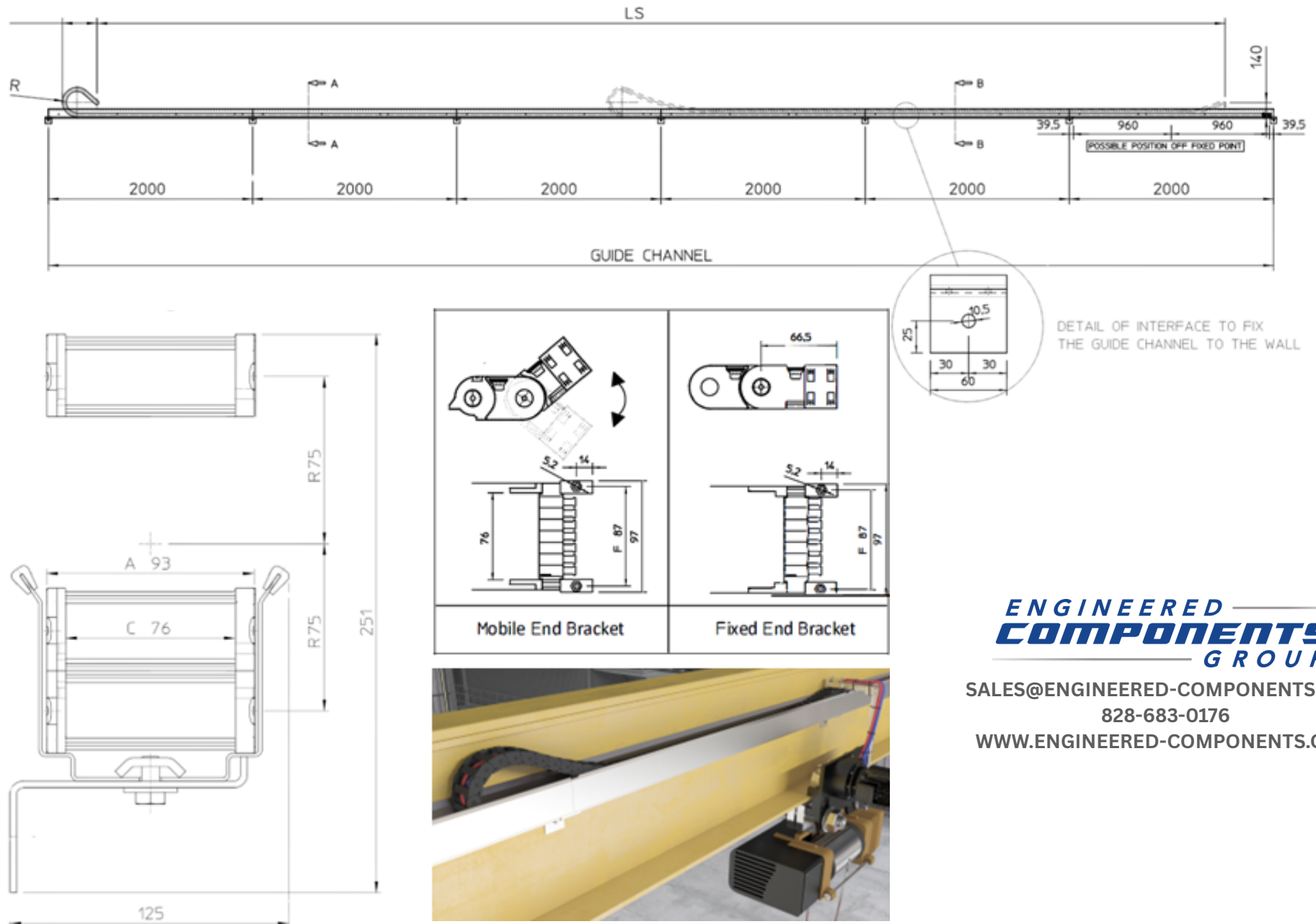
Pre-engineered Cable Chain Systems for Packaged Hoist Cranes



ENGINEERED —————
COMPONENTS
————— **GROUP**

BREVETTI SMART CHANNEL TYPE B

ENERGY CHAIN ELECTRIFICATION FOR PACKAGED HOIST CRANES



DETAIL OF INTERFACE TO FIX
THE GUIDE CHANNEL TO THE WALL

ENGINEERED
COMPONENTS
GROUP

SALES@ENGINEERED-COMPONENTS.COM

828-683-0176

WWW.ENGINEERED-COMPONENTS.COM

[CLICK HERE TO VIEW ASSEMBLY ANIMATION](#)

Pre-engineered Cable Chain Systems for Hoists on Double Girder Cranes



We have made purchasing and specifying cable chain systems for overhead cranes simple!



Indoor and Outdoor Rated

- UV resistant reinforced nylon chain material
- Hot dipped galvanized steel (stainless steel on request) guide channel material
- PUR jacketed cables

Spans up to 25 meters (82’)

Maximum speed of 2.5 meters per seconds (500 fpm)

CMAA Service Class D

For dual trolley applications two chains can share the same guide channel

Chains shipped with cables installed

Two meter channel lengths need only to be supported on the ends resulting in quick assembly

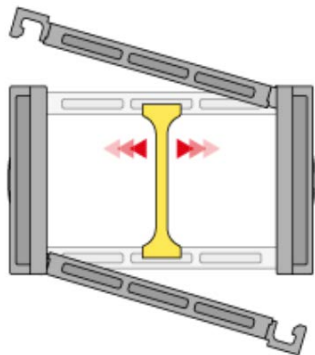
Quick deliveries!

435MU SERIES CABLE CHAIN

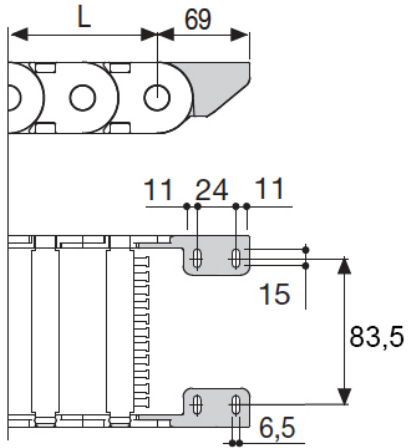


Despite its compact construction, the 435MU series cable chain, offers very high load capabilities. The link to link connection is accomplished with a large anti-friction pin versus a simple interference fit when compared to competitive products.

Cross bars snap open on both the inner and outer radius for maximum flexibility when maintenance needs to be performed on the cables.



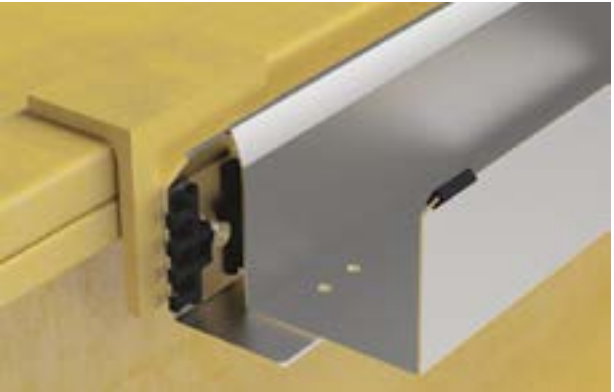
Vertical separators are installed every 2nd link for correct cable spacing



The first and last chain links have integrated cable tie down plates for proper cable strain relief.

SMART CHANNEL TYPE D

The Brevetti SMART Channel Type D is designed to mount to the side of or to the top flange of a box girder beam. The channel system installs extremely fast with a clip system that is spaced every 2 meters.



The clip includes integrated cable tie down plates that allow for the routing of cables from the far side of the bridge to the control panel - e.g. far end bridge motor and anti-collision cables.

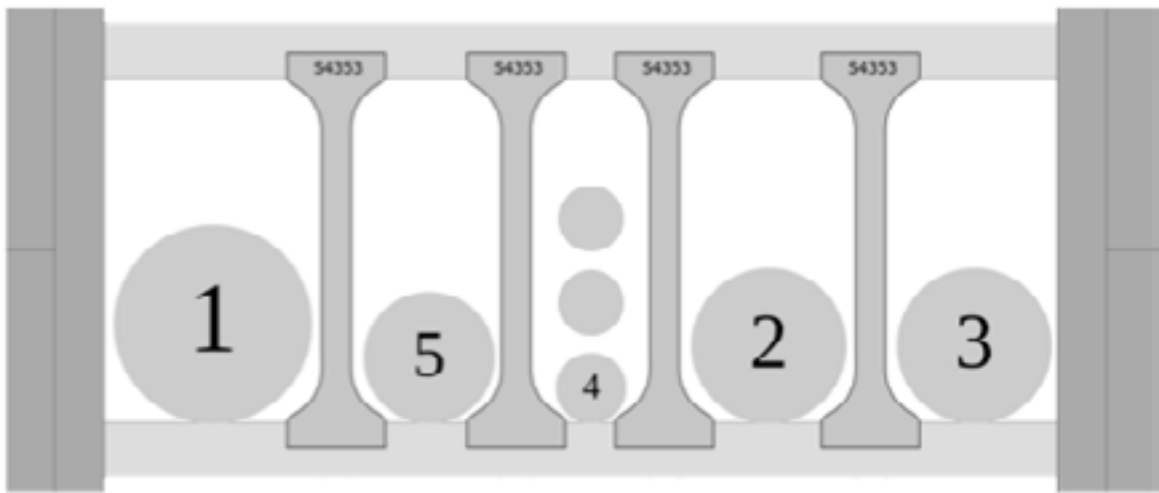


The guide channel is available with or without bottom holes. With holes is standard and minimizes the buildup of debris which can negatively affect chain performance.

SYSTEM FOR TROLLEY WITH SINGLE HOIST

- This pre-engineered system will consist of a Brevetti 435MU097150 cable chain, high flex cables and a Type D SMART Channel.
- The cable chain will be assembled with vertical separators installed and mouting brackets with integral strain relief attached.
 - PUR cables will be installed in the chain with extra lengths for termination per the customer's specification.

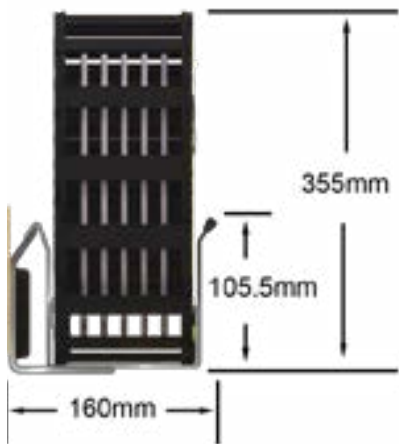
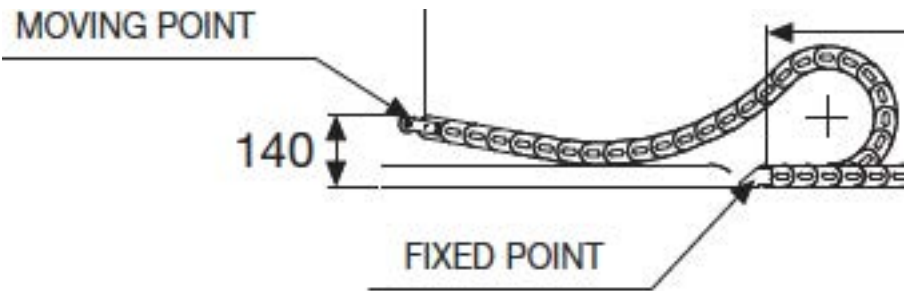
For solutions for single girder cranes with packaged hoists click below for information



- 1. Choice of 6AWG, 8AWG or 10AWG 4C for hoist motor.
- 2. 14AWG 12C for hoist and trolley motor brakes.
- 3. 14AWG 12C for trolley motors/spares.
- 4. 22AWG 4 twisted shielded pairs for hoist motor encoder.
- 5. 16AWG 12C for limits and thermals.

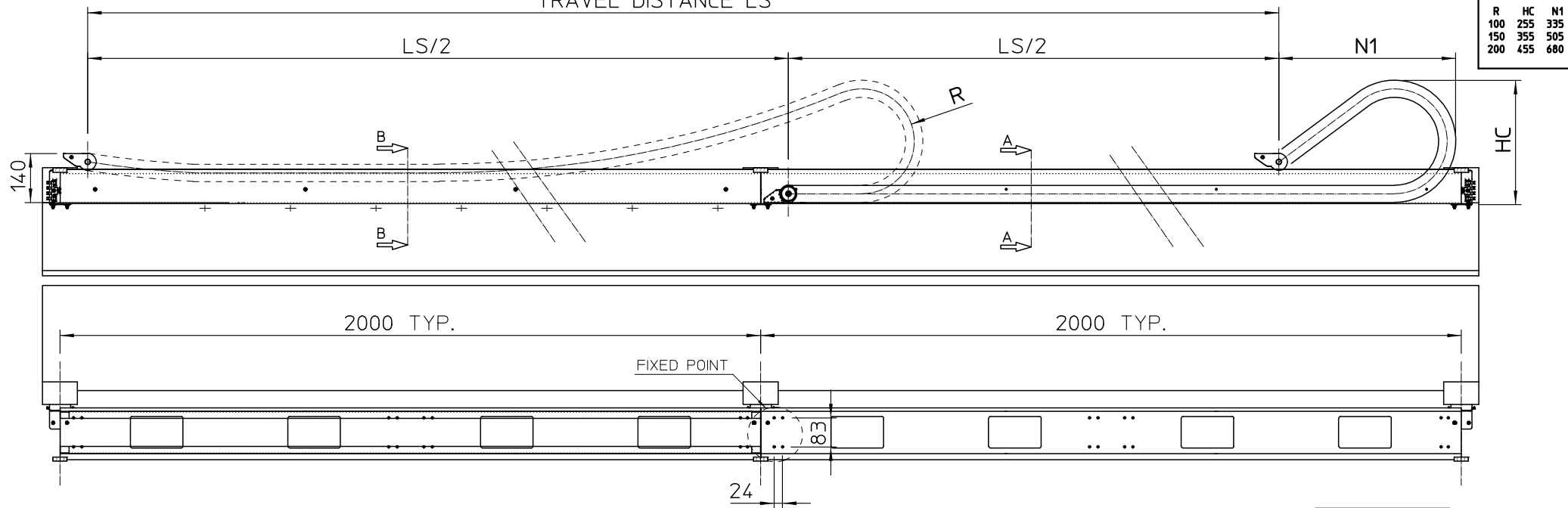
*Extra space on top of the encoder cable for extra cables - load cell, ethernet, etc.

- 6AWG 4C PUR high flex power cable (82 amps at 50°C)
- 8AWG 4C PUR high flex power cable (62 amps at 50°C)
- 10AWG 4C PUR high flex power cable (44 amps at 50°C)



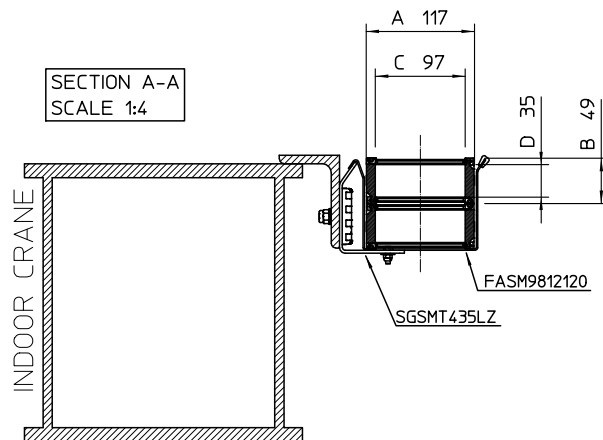
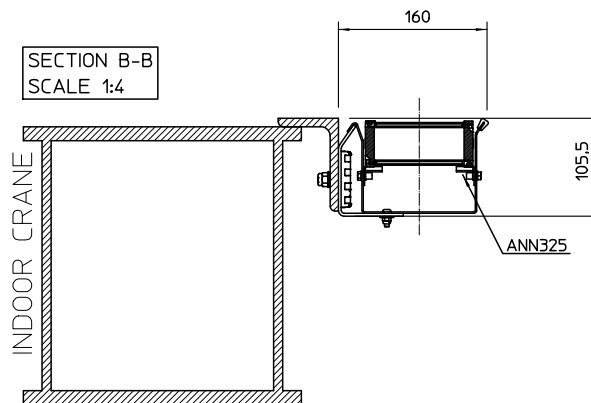
SIDE VIEW (1:8)

TRAVEL DISTANCE LS

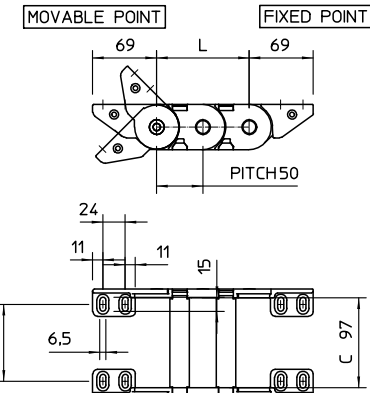


[mm]

R	HC	N1
100	255	335
150	355	505
200	455	680

SECTION A-A
SCALE 1:4SECTION B-B
SCALE 1:4

END BRACKETS (1:4)



Pos. Item	Cod. Art. Item Code	Descrizione Description	Q.tà/sez. Q.ty/sec.	Q.tà lot Total qty	U.M.
1	435MU097150S	Chain with opening frame mounted on every link - width A=117 mm	1	n x 50 (n)	mm (links)
2	AN435KM1MCR	End brackets	--	1	set
SMART CHANNEL (zinc-plated steel) composed by					
3	FASM9812120	Open sidewall (2m)	--	--	off
4	ANN325	Support plate (2m)	--	--	off
5	SGSMT435LZ	Junction set for open sidewall	--	--	off

CHAIN LENGTH "L" CALCULATION

$$L = LS/2 + M1$$

rounded up to be a multiple of pitch

R	M1
100	760
150	1195
200	1635

REV.	DATA DATE	PARAMETERIZATION DESCRIZIONE / DESCRIPTION	SDG DISEGNATO / DRAWING No.	LB APPROVATO / APPROVED BY
DISEGNATO / DRAWN BY Corbetta	30/04/2026	DENOMINAZIONE / TITLE BREVETTI USA	N° PEZZI / Q.TY -	
APPROVATO / APPROVED BY V.R.	15/06/2021	SMART CHANNEL C=97	MATERIALE - MATERIAL	
DATA PRIMA EMISSIONE / DATE FIRST EMISSION 15/06/2021		SR 435MU	PESO / WEIGHT kg	
SCALA / SCALE OTTIMIZZATA/BEST FIT		TRATTAMENTO / TREATMENT	CODICE / CODE 0-37581-A	
UNITA' / UNITS ITM		DOVE NON SPECIFICATO PER LUNGHEZZE E DIAMETRI TOLLERANZE GENERALI WHERE NOT SPECIFIED LENGTHS AND DIAMETERS GENERAL TOLERANCES	N° DISEGNO / DRAWING No. 0-37581-A1of2	REV. -
brevetti stendalto		Viale G.B. Shucchi 46/8 20900 Monza (MB) Italy Tel. +39 039 204901 Fax +39 039 834250 e-mail: tekno@brevettistendalto.it http://www.brevettistendalto.it		

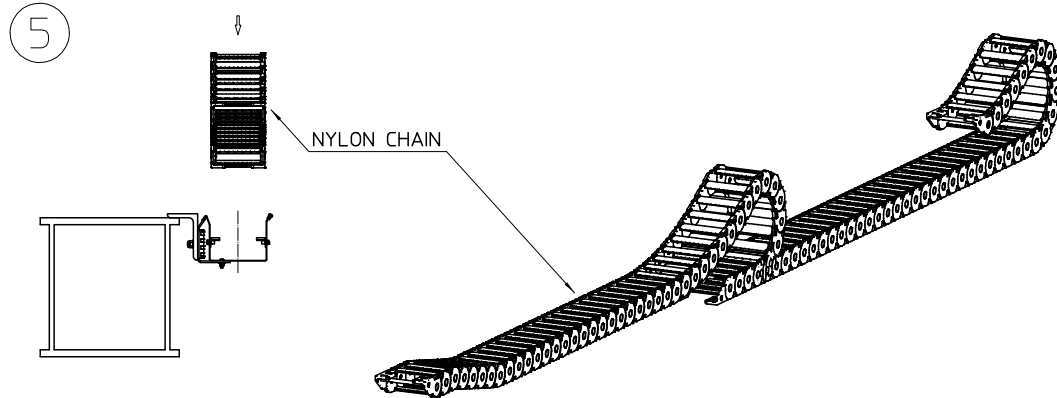
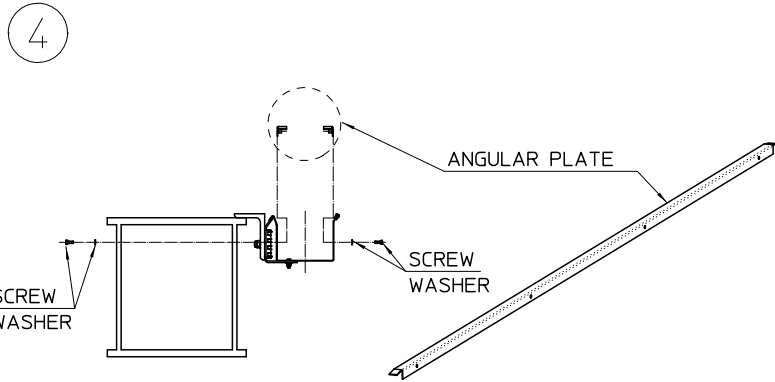
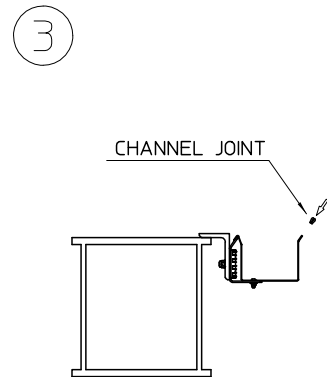
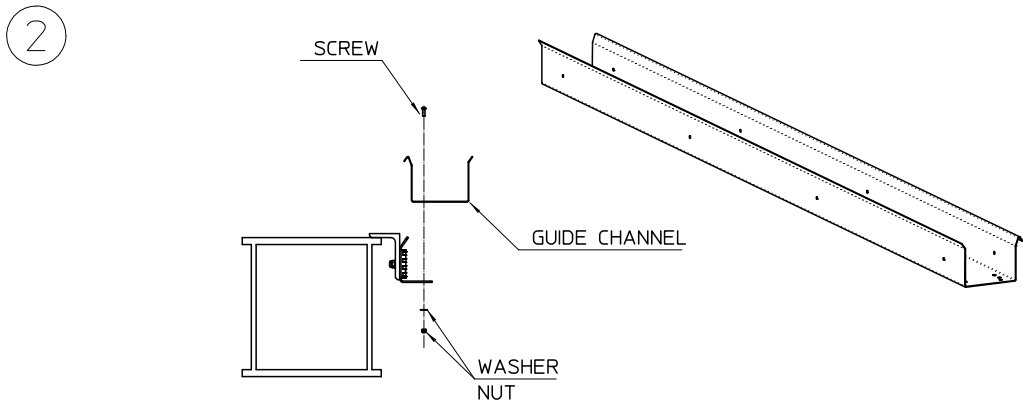
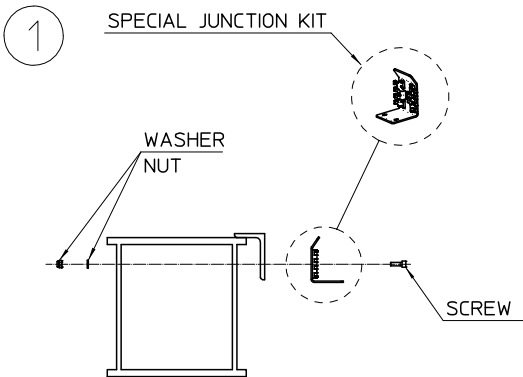
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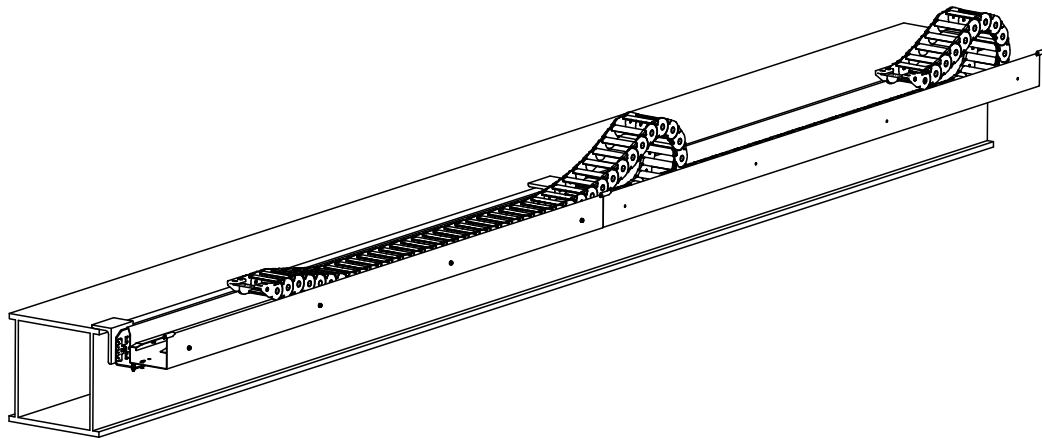
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GENERAL VIEW TYPICAL MOUNTING INSTRUCTION



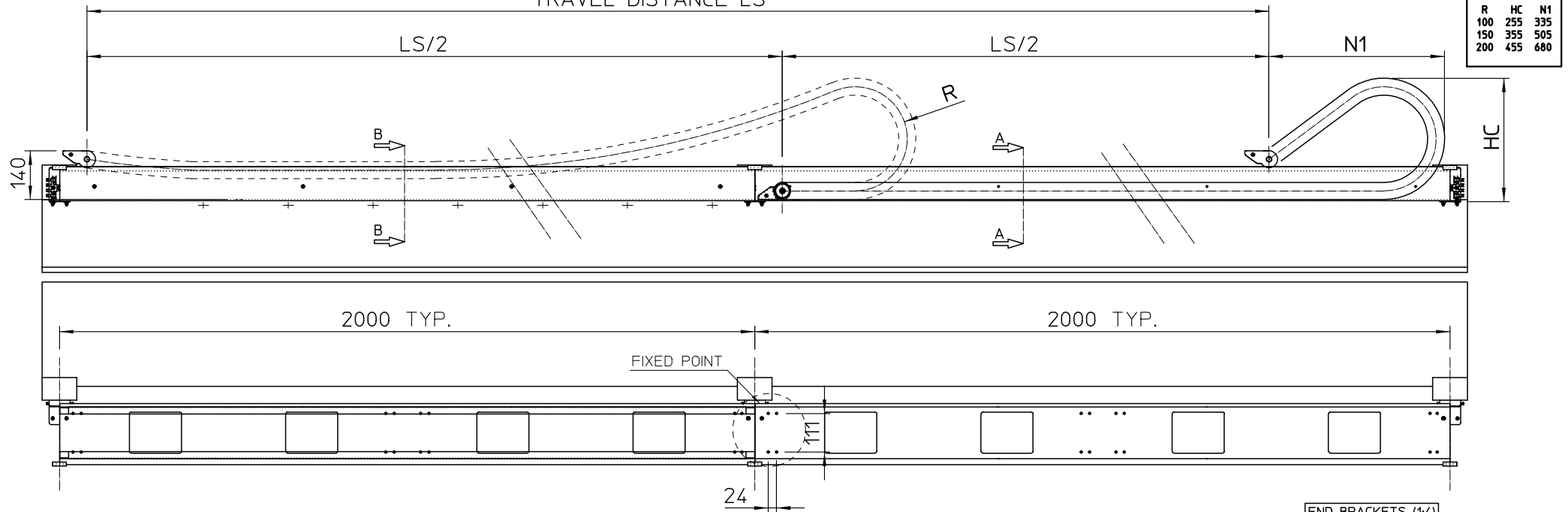
ISOMETRIC VIEW



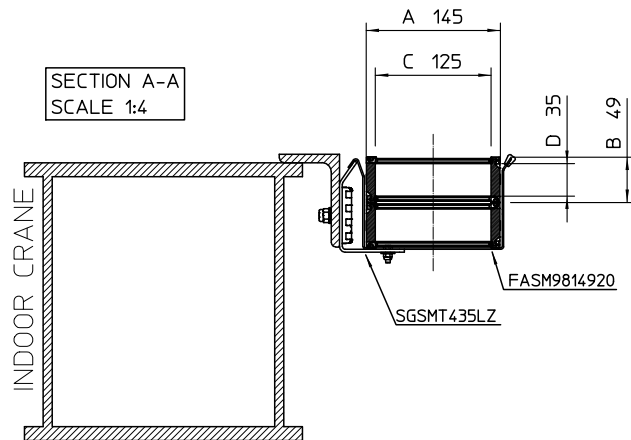
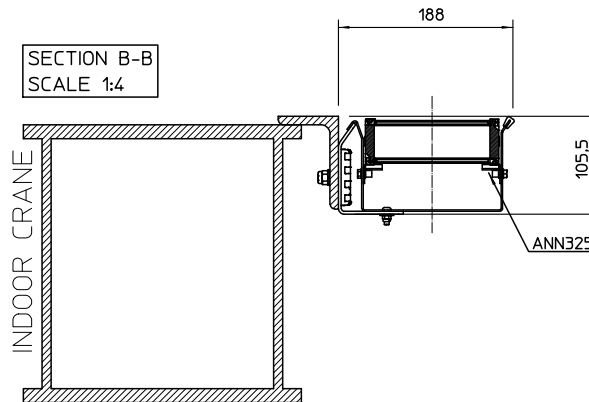
A	30/04/2026	PARAMETERIZATION		SDG	LB		
REV.	DATA DATE	DESCRIZIONE / DESCRIPTION		DISEGNATO DRAWN BY	APPROVATO APPROVED BY		
DISEGNATO / DRAWN BY Corbetta		DENOMINAZIONE / TITLE BREVETTI USA		N° PEZZI / Q.TY -			
APPROVATO / APPROVED BY V.R.		SMART CHANNEL C=97		MATERIALE - MATERIAL			
DATA PRIMA EMISSIONE / DATE FIRST EMISSION 15/06/2021		SR 435MU		PESO / WEIGHT kg			
SCALA / SCALE OTTIMIZZATA/BEST FIT		TRATTAMENTO / TREATMENT		CODICE / CODE 0-37581-A			
UX / UNITS mm		DOVE NON SPECIFICATO PER LUNGHEZZE E DIAMETRI TOLLERANZE GENERALI WHERE NOT SPECIFIED LENGTHS AND DIAMETERS GENERAL TOLERANCES		N° DISEGNO / DRAWING No. 0-37581-A2of2	REV. -		
		http://www.brevettistendalto.it e-mail: tekno@brevettistendalto.it		Viale G.B. Shucchi 46/8 20900 Monza (MB) Italy Tel. +39 039 204501 Fax +39 039 834250			
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SIDE VIEW (1:8)

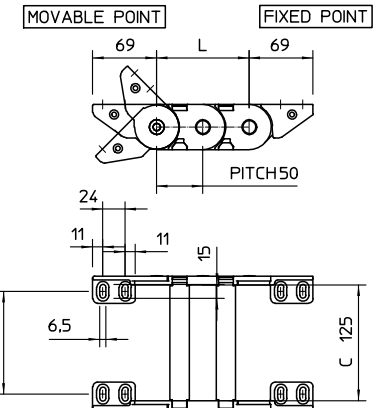
TRAVEL DISTANCE LS



[mm]		
R	HC	N1
100	255	335
150	355	505
200	455	680

SECTION A-A
SCALE 1:4SECTION B-B
SCALE 1:4

END BRACKETS (1:4)



Pos. Item	Cod. Art. Item Code	Descrizione Description	Q.tà/sez. Q.ty/sec.	Q.tà lot Total qty	U.M.
1	435MU125150S	Chain with opening frame mounted on every link - width A=145 mm	1	n x 50 (n)	mm (links)
2	AN435KM1MCR	End brackets	--	1	set
SMART CHANNEL (zinc-plated steel) composed by					
3	FASM9814920	Open sidewall (2m)	--	--	off
4	ANN325	Support plate (2m)	--	--	off
5	SGSMT435LZ	Junction set for open sidewall	--	--	off

CHAIN LENGTH "L" CALCULATION	
$L = LS/2 + M1$	
rounded up to be a multiple of pitch	
R	M1
100	760
150	1195
200	1635

REV.	DATA DATE	DESCRIZIONE / DESCRIPTION	DISEGNATO DRAWN BY	APPROVATO APPROVED BY
		DENOMINAZIONE / TITLE	N° PEZZI / Q.TY	
		BREVETTI USA	-	
		SMART CHANNEL C=125	MATERIALE - MATERIAL	
		SR 435MU	PESO / WEIGHT kg	
		SCALA / SCALE	TRATTAMENTO / TREATMENT	CODICE / CODE
		OTTIMIZZATA/BEST FIT		0-44866
		UNITA' / UNITS	DOVE NON SPECIFICATO PER LUNGHEZZE E DIAMETRI TOLLERANZE GENERALI	N° DISEGNO / DRAWING No.
		ITM	WHERE NOT SPECIFIED LENGTHS AND DIAMETERS GENERAL TOLERANCES	0-44866 1of2
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			20900 Monza (MB) Italy	
			Tel. +39 039 204901	
			Fax +39 039 834250	
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