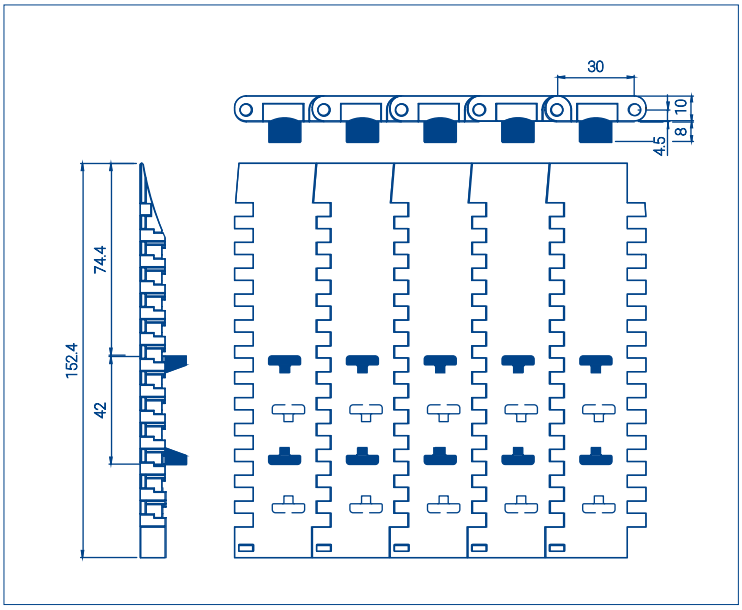
AFHER EUROBELT S.A.
Topacio, 41
47012 Valladolid (Spain)
Tel.: +34 983 217 480
afher@eurobelt.com
www.eurobelt.com

TECHNICAL DATA SHEET (TDS)

Version [05/2025]

Series ***E31***
Lateral Transfer Flat Top



Belt pitch	30 mm
Belt width	152,4 mm
Rod diameter	4,6 mm
Drive system	Central
Ø min direct rotation roller	45 mm
Ø min reverse rotation roller	100 mm

Using the Series 31 Lateral-Transfer Flat Top, dynamic and smooth lateral transferences can be carried out, at 90º, with no need of finger plates.

One of its edges bevelled we manage to bring nearer the belts taking part in the transference, whereas the lower guides keep the belt aligned.

It has been designed for those applications in which we want to avoid the retention of containers in the transference area as well as to achieve more efficiency in their movement.

Belt surface	Belt material	Rod material	Belt resistance (kg)	Lineal meter weight (kg)	Temperature limit (Cº)	Standard Colours[1]	Open Area + opening dimensions	Belt thickness	Retention system
Lateral Transfer Flat Top	POM - Acetal	Nylon	360	1,06	-40 to +90	B	0%	10 mm	Cap
	POM - Acetal	PBT	380	1,07	-40 to +90	B			

[1]W = White G = Grey N = Natural B = Blue O = Black

Food use compliance

Declaration of Conformity (EU)

The substances used are included in the Positive Lists of the Legislation of plastic materials in contact with food, Regulation (EU) 10/2011 and its modifications.

Food and Drug Administration (FDA)

This regulation describes the polymers that can be safely used to manufacture articles that come into direct contact with food, 21CFR 177.1520 (Olefin polymers) and 21 CFR 177.2470 (Polyoxymethylene copolymer).

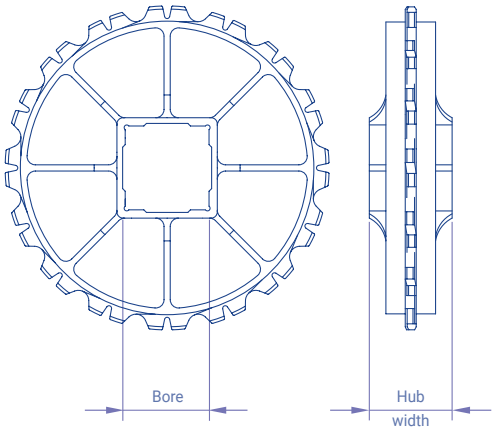
Series **E31**

SPROCKETS

We are also have sprockets to be used with motor drum in applications needing a special cleaning or in conveyors in which it is not possible to place the motor in the outside due to problems of space or safety.

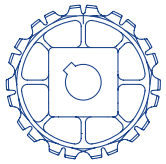
Nº teeth Z	Ø Pitch	Bore for square shaft		Hub width
		mm	inch	
9	87,70	25 - 40	1 - 1,5	24
11	106,50	40	1,5	40
14	134,82	40	1,5	40
16	153,50	40 - 60	1,5 - 2,5	40
18	172,76	40 - 60	1,5 - 2,5	40
20	191,50	40 - 60 - 90	1,5	40

**Consult the technical department for the availability of split sprocket or mechanized sprocket with different numbers of teeth.*

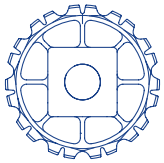


It is manufactured in polypropilene, polyacetal and stainless steel

**check availability in other materials*



WITH KEYWAY



WITHOUT KEYWAY

RETAINING RINGS

Eurobelt retaining rings are used to secure the central gear on the drive and driven shafts.They are placed on both sides of the central sprocket and are part of the self-guiding system of the modular belts, preventing the sprocket from sliding along the shaft and avoiding lateral displacements of the belt.

Additionally, the effects of temperature cause the belt to expand or contract.

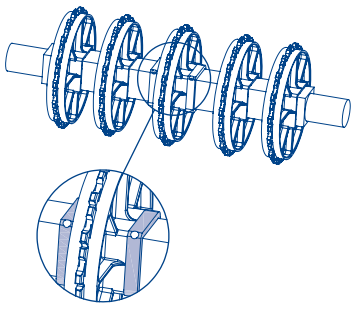
The rest of the sprockets slide freely along the shaft, allowing them to adapt to the variations and lateral movements of the belt. This ensures that the correct tooth position is maintained at all times.

CLE RETAINING RING

**See more in common accessories*

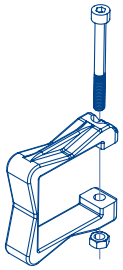
AISI 316 Stainless steel

Bore for square shaft	Screws
25	M5x5
25	M5x5
40	M6x6
60	M6x6
90	M6x6



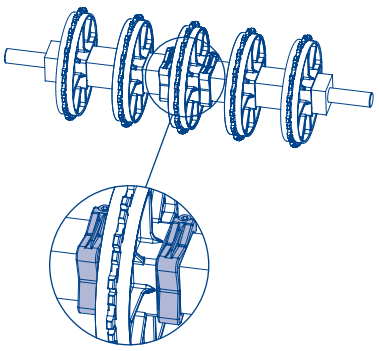
CLU RETAINING RING

**See compatibility with diameters in common accessories*



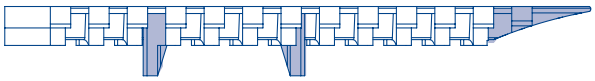
Acetal
High resistance

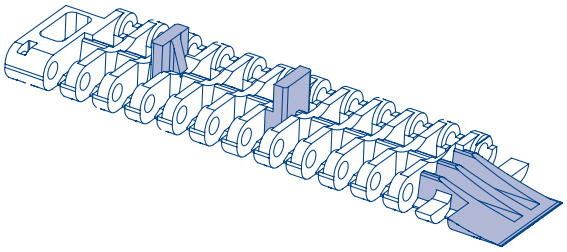
Working temperature: +60ºC / -40ºC
For bore square 40 mm or 1 1/2”



Series **E31**

TRANSFERENCE BY BELT





By using Series 31 Lateral Transfer Flat Top, is possible to carry out transfers or transfers smooth dynamic sides.

Thanks to one of its edges bevelled an approach is achieved to the previous conveyor. Prepared with some lower guides for its perfect alignment, with this belt we are able to get as close as possible to the conveyor, as it gets sucked in and go profiling the circumference that generates the same when turning in the sprocket delivery.

Designed for those applications in which it is intended to avoid with holding of containers in the transfer area and achieve higher performance in movement of the same.

DESIGN DATA