



flexwall®

**barbieri**  
NASTRI TRASPORTATORI  
CONVEYOR BELTS

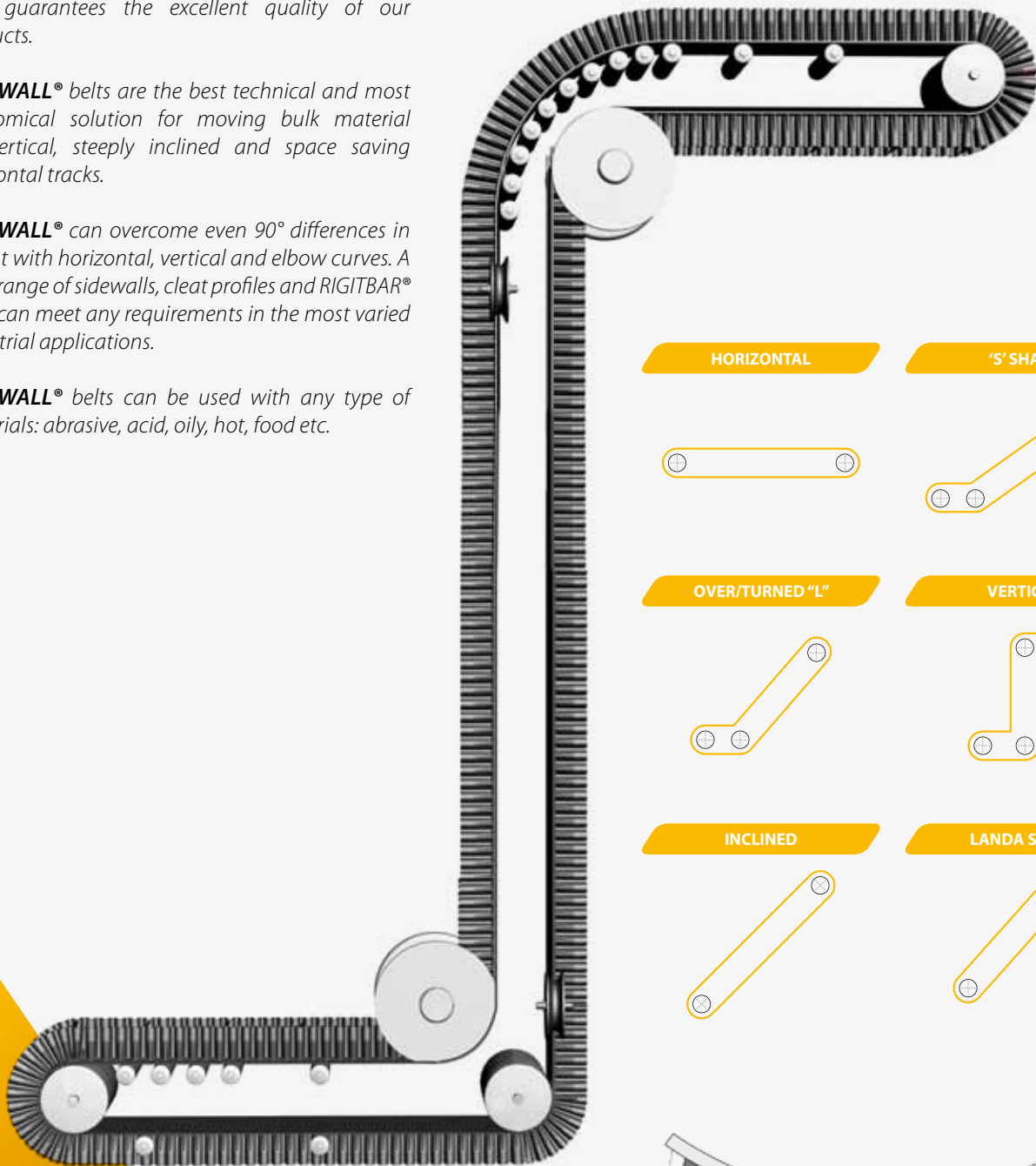
# FLEXWALL®

**FLEXWALL®** belts are manufactured at our Marano Vicentino plant using a **hot vulcanizing process** that guarantees the excellent quality of our products.

**FLEXWALL®** belts are the best technical and most economical solution for moving bulk material on vertical, steeply inclined and space saving horizontal tracks.

**FLEXWALL®** can overcome even 90° differences in height with horizontal, vertical and elbow curves. A wide range of sidewalls, cleat profiles and RIGITBAR® belts can meet any requirements in the most varied industrial applications.

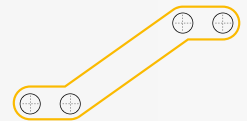
**FLEXWALL®** belts can be used with any type of materials: abrasive, acid, oily, hot, food etc.



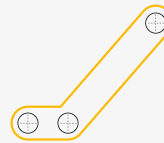
HORIZONTAL



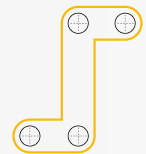
'S' SHAPE



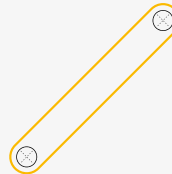
OVER/TURNED "L"



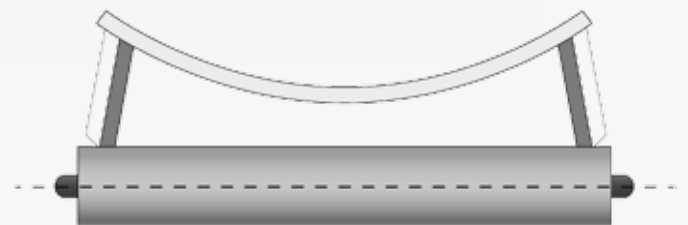
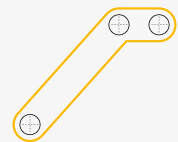
VERTICAL



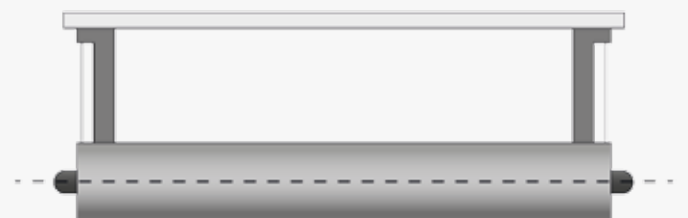
INCLINED



LANDA SHAPE



Wrong



Right



## RIGITBAR® - Cross-rigid belts

**RIGITBAR®** belts are especially designed for being used with sidewalls and cleats. The belt carcass is designed to have a high transverse rigidity. The transverse rigidity supports the belt planarity on return runs.

The carcass consists of two or several wholly synthetic polyester-nylon plies (EP). The EP construction is impervious to moisture, has a low coefficient of elongation and a high tensile strength.

Two extra plies of special construction are also used to obtain the transverse rigidity. Depending on the requested transverse rigidity the plies can be made out of textile or metal.

**XE:** Belt with combined tensile and rigidity fabrics. Suitable for conveying middleweight material.

**XE+1/XE+2:** Belt with EP tensile fabrics and 1 or 2 transversely rigid

fabric elements for medium-heavy duty applications.

**XE-M+2:** Belt with EP tensile fabrics and 2 transversely rigid metal cord elements. This belt is ideal for considerable ground elevation and on very large belts.

**STX-M+2:** Belt with tensile metal cords and 2 transversely rigid metal elements. This belt has a high tensile strength and is suitable for conveyors in considerable ground elevation.

MODEL	TYPE	COVER THICKNESS mm	WEIGHT Kg/m <sup>2</sup>	MINIMUM PULLEY DIAMETER mm
XE	250/2	2+2	9.40	200
	400/3	4+2	13.50	315
	500/3	4+2	13.75	400
	630/4	4+2	15.20	500
	800/5	4+2	16.85	630
XE+1/XE+2	400/3+2	4+2	12.10	315
	500/3+2	4+2	12.60	400
	630/4+2	4+2	14.40	500
	800/5+2	4+2	16.10	630
	1000/5+2	4+2	17.80	800
1250/5+2	4+2	18.25	1000	
XE-M+2	315/2+2	4+2	13.70	315
	400/3+2	4+2	14.50	315
	500/3+2	4+2	15.20	400
	630/4+2	4+2	16.70	500
	800/5+2	4+2	18.00	630
	1000/5+2	4+2	19.50	800
1250/5+2	4+2	21.40	1000	
STX-M+2	1600	8+8	GET MORE INFORMATION	1250
	2000	8+8		1250
	2500	8+8		1400
	3150	8+8		1400
	3500	8+8		1600
	4500	8+8		1600



## Sidewalls

Our sidewalls are made from a high quality compound. Hot vulcanizing onto the belt is excellent: the geometric shape of the base of the sidewall has optimum characteristics for hot application to the belt without loss of flexibility, ensuring sidewalls that can work constantly and for prolonged periods without breakage.

Also available in two versions:

- rubber (**BG**)
- rubber with fabric reinforcement (**BGT**)

TYPE	HEIGHT mm	BASE mm	WEIGHT kg/m	MIN. PUL. mm
<b>BG 40</b>	40	50	0.95	160
<b>BG 50</b>	50	50	1.15	170
<b>BG 60</b>	60	50	1.35	180
<b>BG/BGT 80</b>	80	50	1.50	200
<b>BG/BGT 120</b>	120	50	2.00	320
<b>BG/BGT 160</b>	160	50	2.60	400
<b>BG/BGT 160</b>	160	75	5.70	400
<b>BG/BGT 200</b>	200	75	6.60	500
<b>BG/BGT 240</b>	240	75	7.50	550
<b>BG/BGT 300</b>	300	75	9.90	600
<b>BG/BGT 350</b>	350	75	11.55	700
<b>BG/BGT 400</b>	400	75	13.20	900







## Cleat profiles

The cleat profiles are molded in a high quality rubber, with high elasticity on the support bases.

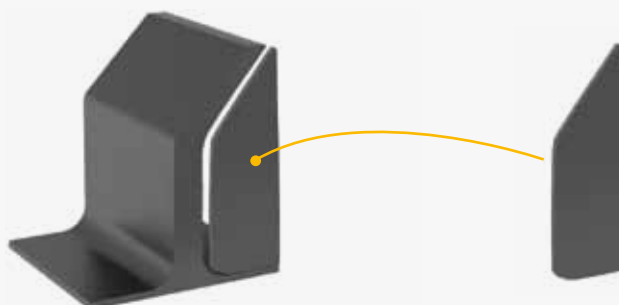
Also available in two versions:

- rubber
- rubber with fabric reinforcement

T	<b>TYPE</b>				<b>T40</b>	<b>T55</b>	<b>T75</b>	<b>T110</b>	<b>T140</b>
	<b>HEIGHT (mm)</b>				40	55	75	110	140
	<b>BASE (mm)</b>				70	80	100	110	140
	<b>WEIGHT (kg/m)</b>				0.70	1.35	1.55	3.20	4.00
	<b>MIN. PUL. (mm)</b>				150	150	200	300	350
TX	<b>TYPE</b>								
	<b>HEIGHT (mm)</b>				<b>TX35</b>	<b>TX55</b>	<b>TX75</b>	<b>TX110</b>	<b>TX140</b>
	<b>BASE (mm)</b>				35	55	75	110	140
	<b>WEIGHT (kg/m)</b>				0.70	1.35	1.55	3.20	4.00
	<b>MIN. PUL. (mm)</b>				150	150	200	300	350
TC	<b>TYPE</b>								
	<b>HEIGHT (mm)</b>				<b>TC75</b>	<b>TC110</b>	<b>TC140</b>	<b>TC180</b>	<b>TC220</b>
	<b>BASE (mm)</b>				75	110	140	180	220
	<b>WEIGHT (kg/m)</b>				2.10	3.60	5.05	8.40	9.10
	<b>MIN. PUL. (mm)</b>				200	350	370	450	500
TCS	<b>TYPE</b>								
	<b>HEIGHT (mm)</b>							<b>TCS280</b>	<b>TCS330</b>
	<b>BASE (mm)</b>							280	330
	<b>WEIGHT (kg/m)</b>							22.80	24.50
	<b>MIN. PUL. (mm)</b>							700	700
TCS D	<b>TYPE</b>								
	<b>HEIGHT (mm)</b>							<b>TCS D280</b>	<b>TCS D330</b>
	<b>BASE (mm)</b>							280	330
	<b>WEIGHT (kg/m)</b>							22.80	24.50
	<b>MIN. PUL. (mm)</b>							700	700

## Accessories

Sidewalls are mounted in order to prevent small size materials from penetrating into the slots between edges and cleat profiles.





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