



CORRUFLEX™
SIDEWALL CONVEYOR BELTING

*“A leading global supplier with
over 100 years experience
within the industry”*



INTRODUCTION

CORRUFLEX™ – brought to you by Speedbird – one of the world's most experienced suppliers of sidewall conveyor belting with more than a century of combined experience in all aspects of sidewall belt technology enabling us to provide high quality products and service to all clients.

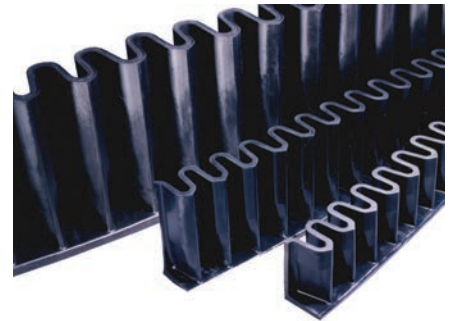
For more than 50 years, Sidewall belting, has been developed into a primary solution for steep incline and vertical conveying of bulk materials. The critical features that apply to CORRUFLEX™ Sidewall Belts are engineered into the individual components that make up a complete sidewall belt and these are as follows-

Base Belt:

Designed and selected for each application, consisting of high transverse rigidity in conjunction with low elongation. The belts can be of all - textile design, a combination of textile and transverse steel cords or all steel cord design, according to the strength required and application requirements.

Sidewalls:

Manufactured from a high grade rubber compound specifically formulated to provide the optimal flexing performance which is provided by high strength and elongation. Our sidewalls are also available with an additional diagonal fabric reinforcement which is a standard feature for 75mm and 100mm wide sidewalls and optional on the 50mm wide sidewalls.



Cleats:

These are available in varying heights and designs which are selected according to the application requirements. Our cleat range provides optimal conveying capacity and load support along with abrasion resistance and discharge performance. Cleats from $\geq 140\text{mm}$ are fabric reinforced as standard and optional on lower cleats.

Assembly:

The process of applying sidewalls and cleats to the base belt is a critical feature for all sidewall belts and is an issue which Speedbird views with great importance. Our high bond-strength cold bonding process is generally used with an option for hot vulcanising which is primarily used for heat resistant applications or where this method is the customer's preference.

PRODUCT RANGE DATA

Cross Rigid Base Belt • Standard range

DESIGNATION	COVERS	TENSILE STRENGTH	THICKNESS	WEIGHT
XR 250/2	2:2 mm	250N/mm	8.0mm	9.40kg/m ²
XR 400/3	4:2 mm	400N/mm	11.4mm	13.30kg/m ²
XR 400/3+2	4:2 mm	400N/mm	12.3mm	14.00kg/m ²
XR 500/3+2	4:2 mm	500N/mm	12.9mm	14.70kg/m ²
XR 630/4+2	4:2 mm	630N/mm	14.3mm	16.40kg/m ²
XR 800/5+2	4:2 mm	800N/mm	15.6mm	18.20kg/m ²
XR 1000/5+2	4:2 mm	1000N/mm	15.8mm	18.60kg/m ²
XR-SC630/4+2	4:2 mm	630N/mm	14.7mm	20.60kg/m ²
XR-SC 800/5+2	4:2 mm	800N/mm	16.1mm	22.30kg/m ²
XR-SC1000/5+2	4:2 mm	1000N/mm	16.3mm	22.70kg/m ²

Additional specifications are available according to client's request or application requirements.
All steel cord designs generally start from $\geq 1250\text{N/mm}$.

Sidewalls

TYPE	HEIGHT	BASE WIDTH	FABRIC REINFORCED	WEIGHT
S40	40mm	30mm	No	0.50kg/m
S60	60mm	50mm	No*	1.60kg/m
S80	80mm	50mm	No*	1.90kg/m
S100	100mm	50mm	No*	2.20kg/m
S120	120mm	50mm	No*	2.50kg/m
SW120R	120mm	75mm	Yes	3.70kg/m
SW160R	160mm	75mm	Yes	4.70kg/m
SW200R	200mm	75mm	Yes	5.70kg/m
SW240R	240mm	75mm	Yes	6.70kg/m
SW250R	250mm	75mm	Yes	7.00kg/m
SW280R	280mm	75mm	Yes	7.70kg/m
SW300R	300mm	75mm	Yes	8.30kg/m
HSW300R	300mm	100mm	Yes	12.10kg/m
HSW400R	400mm	100mm	Yes	15.20kg/m

The foregoing are standard sidewall heights but others including higher ones are available.

*can be supplied with fabric reinforcement to special order.

Cleats

STYLE	TYPE	HEIGHT	BASE WIDTH	FABRIC REINFORCED	WEIGHT
"T" STRAIGHT 	T40	40mm	70mm	No	0.55kg/m
	TB40	40mm	80mm	No	0.90kg/m
	TK40	40mm	110mm	No	1.70kg/m
	T55	55mm	80mm	No	1.40kg/m
	T75	75mm	100mm	No	1.75kg/m
	T90	90mm	110mm	No*	2.40kg/m
	T110	110mm	110mm	No*	2.70kg/m
	T140R	140mm	150mm	Yes	6.00kg/m
	T180R	180mm	150mm	Yes	7.50kg/m
	T230R	230mm	160mm	Yes	9.40kg/m
"C" INCLINED 	C35	35mm	70mm	No	0.50kg/m
	C55	55mm	90mm	No	1.45kg/m
	C75	75mm	90mm	No	1.95kg/m
	C90	90mm	110mm	No*	2.25kg/m
	C110	110mm	110mm	No*	2.45kg/m
"TC" ANGLED 	TC75	75mm	85mm	No	1.85kg/m
	TC90	90mm	110mm	No*	2.40kg/m
	TC110	110mm	110mm	No*	2.70kg/m
	TCR-140	140mm	150mm	Yes	5.50kg/m
	TCR-180	180mm	150mm	Yes	6.80kg/m
	TCR-230	230mm	160mm	Yes	8.70kg/m
	TCR-260	260mm	160mm	Yes	10.20kg/m
	TCR-280	280mm	160mm	Yes	11.50kg/m
"DUO" 2-PART ANGLED 	TC-XS	280mm	225mm	Yes	19.60kg/m
	TC-XS	360mm	225mm	Yes	22.80kg/m

The foregoing is a list of all the standard types available. Other types are available on request.

*can be supplied with fabric reinforcement to special order.

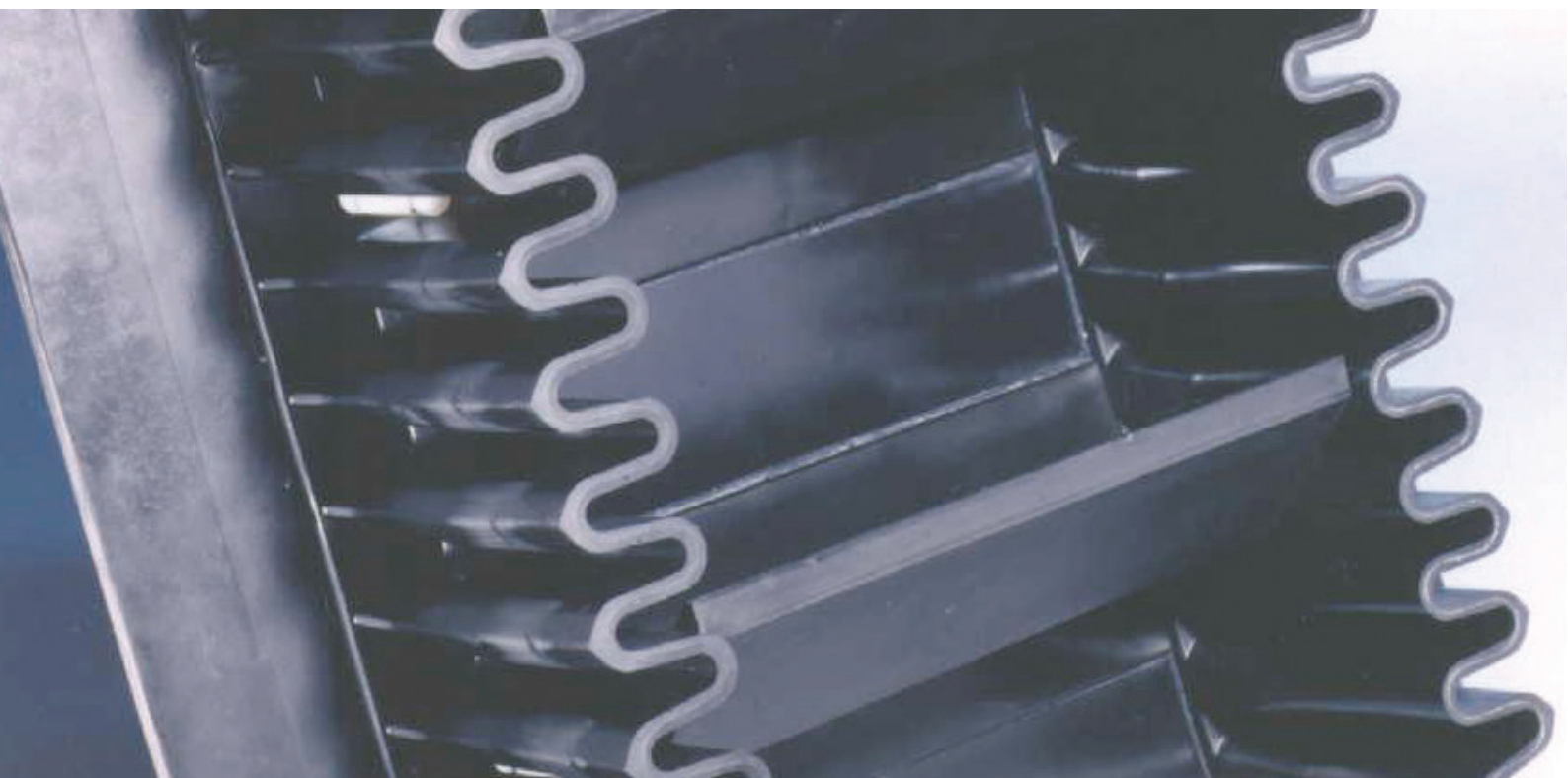
Sidewall/Cleat Attachments:

All T and TC cleats can be attached to the sidewall corrugations by means of special fixings. These provide significant advantages especially for larger cleats of $\geq 140\text{mm}$ where they are fitted as standard. In addition, special “anti-spill” plates can be inserted between sidewalls and cleats when conveying fine free-flowing materials at steep/vertical inclinations.

Qualities available:

All CORRUFLEX™ sidewall belts are available in the following rubber grades:

- **Abrasion Resistant**
- **Heat Resistant, in varying grades according to material temperature, characteristics and conveyor design**
- **Oil/Fat Resistant**
- **Flame Retardant**
- **White Food Quality**



Packaging:

Our CORRUFLEX™ sidewall belts are generally packed in steel crates to ensure that the belt arrives at the final destination in the correct manner.



Testing:

Speedbird views this with extreme importance. All base belts are supported by a test certificate in accordance with international industry standards. Sidewalls and cleats are continually tested dynamically on our test conveyor in order to verify long belt life. The bond strength of sidewalls and cleats to the base belt is also checked to ensure that this complies with our high internal requirements.



Additional Services

As one of the world's most experienced supplier of Sidewall Conveyor Belting, Speedbird is far more than a product supply company. Due to our accolade of over 100 years combined experience with sidewall belt technology, we are able to provide the following –

- **Belt selection for new applications**
- **Conveyor design advice**
- **Site splicing assistance**
- **Troubleshooting**



For more information, please contact us on:

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