

ABRASION RESISTANT CONVEYOR AND ELEVATOR BELTS





Our anti-abrasive DEPREUX belts combine a multiply carcass with covers with high resistance to abrasion.

The choice of the belt's type is largely influenced by the physical properties of the transported materials: its granularity, its humidity level, its abrasion capabilities.

Some examples:

- Highly abrasive materials: clinker, ore, pyrite, coke, lignite, super-phosphate, magnetite, quartz, glass powder.
Recommended covers: DIN W
- Medium abrasive materials: anthracite, coal, ash, bauxite, potash, gravel, aluminium, concrete, sand.
Recommended covers: DIN Y
- Heavy or sharp materials: iron, andesite, schist, ryolythe, comblanchien, and all types of rocks with a granularity higher than 100mm after being broken down.
Recommended covers: DIN X

Belts construction

Conveyor and elevator belts are composed of:

- fabric or steel carcass.**
- two rubber covers** : a top cover ensuring contact with the transported material and the bottom cover ensuring contact with the conveyors drums.



MULTIPLY

DELTA



**POLYESTER
STRAIGHT-WARP**

DX FLEX



**ARAMID
STRAIGHT-WARP**

DX FLEXAMID



SOLID WOVEN

DYNA



STEEL CORD

DX-ST



**STEEL
STRAIGHT-WARP**

DX-MAT

Technical characteristics of abrasion resistant covers:

Designation	Suitable for							Uses	Abrasive index (mm ³)	Break resistance (Mpa)	Elongation at break (%)	Temperature range	Composition
	DIN 22102	ISO 14890	US	AUSTRALIA AS 1332	ENGLISH SB490	CHINESE GB / T7984 Multiples	CHINESE GB / T9770 Steel Cord						
B			RMA2			L		Moderately abrasive materials with a low granularity such as: sand, earth and coal, in normal conditions	<150	>14	>400	-25°C to +80°C	SBR/BR
X	X	H		AS M	M24	H	H	Sharp materials and blocks	<120	>25	>450	-25°C to +80°C	NR/BR
Y	Y		RMA1	AS N	N17		L	Abrasive materials of medium granularity	<150	>20	>400	-25°C to +80°C	NR/SBR/BR
W	W	D				D	D	Highly abrasive materials	<90	>18	>400	-25°C to +80°C	NR/SBR/BR
SH				AS A				Highly abrasive materials	<70	>20	>450	-25°C to +80°C	NR/SBR
IS								Abrasive materials, thin and sticky, use at very low temperatures.	<50	>14	>350	-45°C to +80°C	NR/BR/SBR
PVC (Solid-woven)									<140	>15	>350	0°C to +50°C	PVC