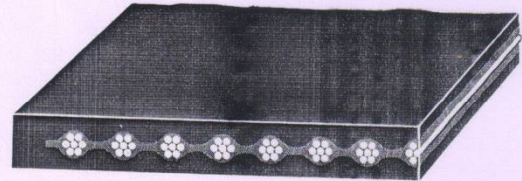


All Continental **steel cable conveyor belts** are marked with the registered trade mark

STAHLCORD® Steel cable conveyor belts in series R 10 strength grades (according to standard DIN 22131) e. g. St 2000

and have a structure and properties complying with standard DIN 22131 (November 1988).

ContiTech Germany



The strength grades prescribed in standard DIN 22131 by standard series R 10 are supplemented by

STAHLCORD® special versions Steel cable conveyor belts in series R 20 strength grades e. g. St 2800.

The tension members comply with the DIN 22131 standard specifications in their properties and in their structure.

By using more sophisticated calculation methods and layout methods of conveyor belts, a type can be selected from this Continental conveyor belt range for optimum fulfilment of the demands. The breaking strength of the cables in these Series R 20 belts likewise takes into account a tensile strength allowance, so that equal safety factors are guaranteed in the application of these belts.

Constructional features of STAHLCORD® conveyor belts in accordance with DIN standard 22129 (February 1988), 22131 and in special versions

Type	Minimum breaking strength in N/mm	Cable diameter in mm (max.)	Cable pitch in mm (approx.)	Remarks
St 500	500	3.0	12.5	Special version Special version
St 630	630	3.0	10	
St 800	800	3.8	12	Special version DIN 22129, 22131 Special version DIN 22129, 22131 Special version
St 1000	1000	4.1	12	
St 1120	1120	4.1	11	
St 1250	1250	4.9	14	
St 1400	1400	4.1	9	
St 1600	1600	5.6	15	DIN 22129, 22131 Special version DIN 22129, 22131 Special version
St 1800	1800	5.6	13.5	
St 2000	2000	5.6	12	
St 2250	2250	5.6	11	
St 2500	2500	7.2	15	DIN 22129, 22131 Special version
St 2800	2800	7.2	13.5	
St 3150	3150	8.1	15	DIN 22129, 22131 DIN 22129, 22131
St 3500	3500	8.6	15	
St 4000	4000	8.9	15	DIN 22129, 22131
St 4500	4500	9.7	16	DIN 22129, 22131 DIN 22129, 22131 DIN 22129, 22131 DIN 22129, 22131 Special version Special version
St 5000	5000	10.9	17	
St 5400	5400	11.3	17	
St 6300	6300	12.6	18	
St 7100	7100	13.5	19	

	El Abra	Los Pelambres ↓
Belt type	PHOENOCORD ST 6800	PHOENOCORD ST 7800
Minimum belt strength	6,800 N/mm	7,800 N/mm
Total minimum breaking strength	10,880 kN	14,040 kN
Belt width	1,600 mm	1,800 mm
Belt length	20 km	24 km
Belt weight	110 kg/m	140 kg/m
Belt thickness	36.5 mm	42.5 mm
Cover thickness	14T/10T mm	19T/10 mm
Protection system	PHOENOTEC	PHOENOTEC
Rip detection system	PHOENOCARE SL	PHOENOCARE SLT
Splice monitoring	-	PHOENOCARE SC
Cover grade	X, highly wear resistant	X, highly wear resistant
Conveyed material	Copper Ore	Copper Ore
Lump size	up to 300 mm	up to 250 mm
Quantity	8,700 t/h	8,700 t/h
Belt speed	6 m/s	6 m/s
Single lengths	353 m	306.5 m
Reel diameter	4.3 m	4.2 m
Reel weight	41.3 t	44.1 t
Number of splices	57	77
Steel cord dia	12.5 mm	13.2 mm ←
Place of application	Chilean Andes	Chilean Andes
Altitude	3,850 m	3,200 m
Difference in Altitude	-500 m (single flight)	-1,050 m (in 2 flights)

The mentioned steel cord conveyor belts are equipped with the PHOENOTEC™ active protection system by transverse synthetic cords, in the top cover.

