

Sturdy™

GENERAL PURPOSE

LUFH **Sturdy**, the general purpose conveyor belts are used for the transport of loose materials, where no particular requirements apply to the working conditions and properties of the transported materials.

These belts are used in almost all branches of industry, agriculture, construction and places where there is no risk of fire. The belts can be used for conveying stones, gravel, sand, cold clinker, neutral chemicals, coke, crops, building materials and others, within the ambient temperature range of -40°C to $+60^{\circ}\text{C}$. The covers and edges can be manufactured in different kinds of rubber; TABLE 1.1.

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TABLE 1.1. Physical and mechanical properties of rubber covers for the **Sturdy™** conveyor belt.

LUFH VALUES				Equivalent DIN 22102	Equivalent ISO 14890	TECHNICAL FEATURES
LUFH QUALITY	Tensile Strength, min. (TS) [Mpa]	Elongation at break, min. [%]	Abrasion Resistance, max. [mm ³]			
SA	18	400	90	W	D	Excellent abrasion and wear resistance, suitable for carrying highly abrasive material.
SI	25	450	120	X	H	High impact resistance and good abrasion resistance, for conveying large and heavy materials.
SN	20	400	150	Y	-	Moderate abrasion resistance under normal operating conditions.
SG	15	350	200	Z	L	For applications without special requirements.

TABLE 1.2 Range of **Sturdy™** conveyor belts manufactured for general purpose, includes standard width, weight, carcass thickness and recommended minimum pulley diameters.

BELT STRENGTH / N°. OF PLYS	Width min. [mm] ¹	Width max. [mm] ¹	Approximate Carcass Thickness S _c [mm]		Approximate Carcass Weight [Kg/m ²]		Minimum Pulley Diameters [mm] EP Carcass			Minimum Pulley Diameters [mm] PP Carcass		
			EP	PP	EP	PP	A	B	C	A	B	C
400/3	500	1400	3,6	-	4,9	-	400	315	250	-	-	-
500/3	500	1400	3,6	-	4,9	-	400	315	250	-	-	-
630/3	500	1800	4,5	4,2	5,4	5,1	500	400	315	400	315	250
630/4	500	1400	4,8	-	6,5	-	500	400	315	-	-	-
800/3	500	1800	5,1	4,8	5,8	5,5	630	500	400	400	315	250
800/4	500	1800	6	5,6	7,2	6,8	630	500	400	500	400	315
800/5	500	1400	6	-	8,2	-	630	500	400	-	-	-
1000/3	650	1800	5,4	5,1	6,5	6	630	500	400	500	400	315
1000/4	650	1800	6,8	6	7,8	7	800	630	500	630	500	400
1000/5	650	1800	7,5	7	9	8,5	800	630	500	630	500	400
1250/3	650	1800	6,9	6,3	8,3	7,5	800	630	500	630	500	400
1250/4	650	1800	7,2	6,4	8,7	7,4	800	630	500	630	500	400
1250/5	650	1800	8,5	7,5	9,7	8,8	1000	800	630	800	630	500
1400/4	800	1800	8,4	6,8	10,3	8	1000	800	630	630	500	400
1600/4	1000	1800	9,2	8,4	11,1	10	1000	800	630	800	630	500
1600/5	1000	1800	9	8,5	10,9	10	1000	800	630	800	630	500
1800/4	1200	1800	9,6	10,4	11,5	11,5	1000	800	630	1000	800	630
1800/5	1200	1800	10,5	10,5	12,9	12,5	1250	1000	800	1000	800	630
2000/4	1200	1800	9,6	10,4	11,5	11,5	1000	800	630	1000	800	630
2000/5	1200	1800	11,5	10,5	13,9	12,5	1250	1000	800	1000	800	630
2500/4	1200	1800	12,8	11,2	14,5	12,8	1400	1250	1000	1000	800	630
2500/5	1200	1800	13	13	15,5	14,4	1400	1250	1000	1250	1000	800

¹ The types and widths of the belts, other than those determined in Table 1.2, must be agreed with our factory. The minimum recommended pulley diameters [mm] for belts in the tension range of 60-100% are specified according to DIN 22101: **A**: Drive pulleys and other pulleys in the high belt tension range. **B**: Deflection pulleys and other pulleys in the low belt tension range. **C**: Support pulleys (change in the direction of belt movement ≤ 30 degrees).