

# Endless High Performance Drive Belts

ESBAND type	tensile element	tensile strength per cm endless	belt elongation per cm endless at shaft load			shaft load for 1% elongation	minimum pulley diameter	coating materials		surface options and coefficient of friction* [ $\mu \pm 0.1 \mu$ ]				recommended pre-tension	operating temperature		antistatic	standard production dimensions**			standard tolerances**			
			100 N	300 N	600 N			hardness	colours	surface	steel	aluminium	anodized aluminium		Guss (GG25)	permanent		short-term	length [mm]	width [mm]	thickness [mm] (both sides)	length	width	thickness
NE 20	cotton/polyester	950 N	100 N 0.4 - 0.6%	300 N 1.8 - 2.0%	600 N 5.5 - 5.9%	190 N ± 10 N	8 mm	poly-chloroprene 75 ± 5 Sha	black	- profiled - ground - smooth - impregnated on textile side	0.6 0.5 0.6 0.2	0.4 0.5 0.6 0.2	0.6 0.6 0.8 0.3	0.5 0.7 0.9 0.2	0.4% to 0.8%	- 20° to +100° C	- 25° to +140° C	yes	180 to 400 400 to 4200	up to 100 up to 420	0.8	± 0.5%	up to 50 mm = ± 0.5 mm up to 100 mm = ± 1.0 mm > 100 mm = ± 2.0 mm	± 0.15 mm
NE 21	polyester	1700 N	100 N 0.3 - 0.4%	300 N 1.0 - 1.2%	600 N 4.0 - 4.5%	270 N ± 15 N	15 mm	poly-chloroprene 75 ± 5 Sha	black	- profiled - ground - smooth - impregnated on textile side	0.6 0.5 0.6 0.2	0.4 0.5 0.6 0.2	0.6 0.6 0.8 0.3	0.5 0.7 0.9 0.2	0.4% to 0.8%	- 20° to +100° C	- 25° to +140° C	yes	180 to 400 400 to 4800	up to 100 up to 420	0.9	± 0.5%	up to 50 mm = ± 0.5 mm up to 100 mm = ± 1.0 mm > 100 mm = ± 2.0 mm	± 0.15 mm
NE 22	polyester	3400 N	100 N 0.2 - 0.3%	300 N 0.7 - 0.8%	600 N 1.6 - 1.7%	375 N ± 15 N	20 mm	poly-chloroprene 75 ± 5 Sha	black	- profiled - ground - smooth - impregnated on textile side	0.6 0.5 0.6 0.2	0.4 0.5 0.6 0.2	0.6 0.6 0.8 0.3	0.5 0.7 0.9 0.2	0.4% to 0.8%	- 20° to +100° C	- 25° to +140° C	yes	180 to 400 400 to 4800	up to 100 up to 420	1.4	± 0.5%	up to 50 mm = ± 0.5 mm up to 100 mm = ± 1.0 mm > 100 mm = ± 2.0 mm	± 0.15 mm
NE 26	polyester	4150 N	300 N 0.8 - 0.9%	600 N 1.4 - 1.6%	1000 N 3.0 - 3.4%	385 N ± 15 N	25 mm	poly-chloroprene 75 ± 5 Sha	black	- profiled - ground - smooth - impregnated on textile side	0.6 0.5 0.6 0.2	0.4 0.5 0.6 0.2	0.6 0.6 0.8 0.3	0.5 0.7 0.9 0.2	0.2% to 0.5%	- 20° to +100° C	- 25° to +140° C	yes	400 to 4800	up to 420	2.0	± 0.5%	up to 100 mm = ± 1.0 mm > 100 mm = ± 2.0 mm	± 0.15 mm
NE 17	Kevlar®	2400 N	300 N 0.2 - 0.4%	600 N 0.5 - 0.7%	1000 N 0.9 - 1.1%	1040 N ± 50 N	12 mm	poly-chloroprene 75 ± 5 Sha	black	- profiled - ground - smooth - impregnated on textile side	0.6 0.5 0.6 0.2	0.4 0.5 0.6 0.2	0.6 0.6 0.8 0.3	0.5 0.7 0.9 0.2	0.1% to 0.3%	- 20° to +100° C	- 25° to +140° C	yes	180 to 400 400 to 4600	up to 100 up to 420	0.9	± 1.0%	up to 50 mm = ± 0.5 mm up to 100 mm = ± 1.0 mm > 100 mm = ± 2.0 mm	± 0.15 mm
NE 18	Kevlar®	7950 N	300 N 0.2 - 0.3%	600 N 0.4 - 0.5%	1000 N 0.6 - 0.7%	1700 N ± 200 N	30 mm	poly-chloroprene 75 ± 5 Sha	black	- profiled - ground - smooth - impregnated on textile side	0.6 0.5 0.6 0.2	0.4 0.5 0.6 0.2	0.6 0.6 0.8 0.3	0.5 0.7 0.9 0.2	0.1% to 0.3%	- 20° to +100° C	- 25° to +140° C	yes	400 to 4200	up to 420	2.0	± 1.0%	up to 100 mm = ± 1.0 mm > 100 mm = ± 2.0 mm	± 0.15 mm
PU 11	polyester	1250 N	100 N 0.3 - 0.5%	300 N 1.2 - 1.7%	600 N 5.0 - 5.5%	230 N ± 30 N	12 mm	polyurethane 55 ± 7 Sha	yellow or grey	- profiled - ground - smooth - impregnated on textile side	0.4	0.4	0.8	0.4	0.4% to 0.8%	- 10° to +60° C	- 10° to +80° C	possible	200 to 600 600 to 5000	up to 300 up to 600	1.0 (1.3)	± 0.5%	up to 50 mm = ± 0.5 mm up to 100 mm = ± 1.0 mm > 100 mm = ± 2.0 mm	± 0.10 mm
PU 12	polyester	3400 N	100 N 0.3 - 0.5%	300 N 0.9 - 1.2%	600 N 2.0 - 2.8%	290 N ± 30 N	20 mm	polyurethane 55 ± 7 Sha	yellow or grey	- profiled - ground - smooth - impregnated on textile side	0.4	0.4	0.8	0.4	0.4% to 0.8%	- 10° to +60° C	- 10° to +80° C	possible	200 to 600 600 to 4800	up to 300 up to 600	1.5 (2.0)	± 0.5%	up to 50 mm = ± 0.5 mm up to 100 mm = ± 1.0 mm > 100 mm = ± 2.0 mm	± 0.10 mm
PU 17	Kevlar®	2400 N	300 N 0.2 - 0.4%	600 N 0.5 - 0.7%	1000 N 1.0 - 1.2%	950 N ± 50 N	15 mm	polyurethane 55 ± 7 Sha	yellow or grey	- profiled - ground - smooth - impregnated on textile side	0.4	0.4	0.8	0.4	0.1% to 0.3%	- 10° to +60° C	- 10° to +80° C	possible	200 to 600 600 to 4600	up to 300 up to 600	1.0 (1.4)	± 1.0%	up to 50 mm = ± 0.5 mm up to 100 mm = ± 1.0 mm > 100 mm = ± 2.0 mm	± 0.10 mm
PU 18	Kevlar®	6400 N	300 N 0.4 - 0.5%	600 N 0.7 - 0.8%	1000 N 0.9 - 1.0%	1280 N ± 50 N	30 mm	polyurethane 55 ± 7 Sha	yellow or grey	- profiled - ground - smooth - impregnated on textile side	0.4	0.4	0.8	0.4	0.1% to 0.3%	- 10° to +60° C	- 10° to +80° C	possible	200 to 600 600 to 4200	up to 300 up to 600	2.2 (3.0)	± 1.0%	up to 100 mm = ± 1.0 mm > 100 mm = ± 2.0 mm	± 0.10 mm

All information in this brochure correspond to the current state of technology.

Resistance to chemicals according to our catalogue or upon demand.

\* measured according to MSN 93.602 on planed and/or smooth surface of cleaned new material

\*\* special dimensions and tolerances available on request

#### properties / applications

- very thin drive belt for small pulley diameters
- for light-duty drives
- for mini drives

- high belt speeds
- for spindle drives
- excellent running properties
- universal application

- lengths up to 2,400 mm both sides profiled **available ex stock**
- universal drive belt
- for medium-duty drives
- woodworking machinery
- textile machinery

- for heavy-duty drives
- woodworking machinery

- very low belt elongation
- thin, high-performance belt for small pulley diameters

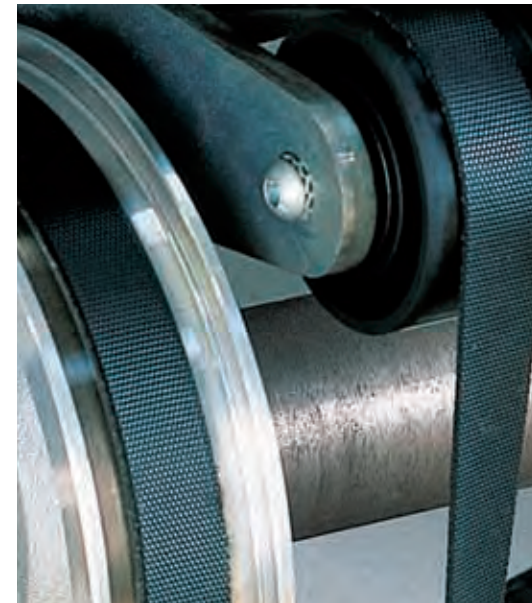
- extremely low belt elongation
- for heavy-duty drives

- lengths up to 2,400 mm one side coated yellow **available ex stock**
- universal drive belt
- for medium-duty drives
- for grinding spindle machines, balancing machines

- lengths up to 2,400 mm one side coated yellow **available ex stock**
- universal drive belt
- excellent running properties
- for grinding spindle machines, balancing machines

- very low belt elongation

- extremely low belt elongation
- for heavy-duty drives



**Each Esband belt is made using our truly endless production method and matches exactly your specific requirements**

The Endless Schlatterer-Band (Esband) has no joint or splice and demonstrates its reliability and durability in each and every situation. You are welcome to request a sample.

Standard types and sizes (please refer to the list opposite) of our high-performance drive belts are usually available from stock.



MSC-130.03-E-04.07

**Drive Belts**

**Conveyor Belts**

**Weighing Belts**

**Machine Belts**

**Process Belts**

**Vacuum Belts**

**Vacuum Timing Belts**

**Thermo Belts**

**Special Belts**

**Food Belts**

**Belt Coating Materials**



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We reserve the right to make technical alterations.



**ENDLESS HIGH  
PERFORMANCE  
DRIVE BELTS**

