Endless Process and Machine Belts / Paper Transport

ESBAND designation							running side						carrying side					standard production dimensions**			standard tolerances**		
type	belt design	tensile element	axle load at 1% elongation	antistatic	minimum pulley diameter*	permissible operating temperature	material	hardness	surface	coefficient of friction [μ ± 0.1 μ] steel	anodized aluminium	stainless steel	material	hardness	surface	coefficient of friction [μ ± 0.1 μ] paper	PE foil	length [mm]	width [mm]	thickness [mm]	length	width	thickness
PU 0/6	yellow, grey	polyurethane	4 ± 2 N/cm	no	8 mm	-10° to + 60° C	polyurethane	approx. 55° Shore A	ground	0.4	0.8	0.3	polyurethane	approx. 55° Shore A	ground	0.8	0.2	200 to 600 600 to 2400	up to 300 up to 400	0.9 1.2 (> 1000 mm) 1.5 (> 1500 mm) 2.0 (> 2000 mm) up to 8.0	± 2.0 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm
HT Elastik 40 + PU	white + PU grey black + PU grey	Hytrel®	0.83 N/mm² Hytrel®	no yes	15 mm	-10° to + 60° C	Hytrel®	approx. 40° Shore D	ground	0.5	0.6	0.4	polyurethane	approx. 55° Shore A	ground	0.8	0.2	200 to 600 600 to 1800	3 to 150 8 to 400	1.2 to 1.5 1.5 to 2.0	± 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 Elastik	yellow, grey	elastic web/ polyester	6 ± 3 N/cm	possible	25 mm	-10° to + 60° C	textile	–	–	0.2	0.3	0.2	polyurethane	approx. 55° Shore A	ground	0.8	0.2	200 to 600 600 to 3500	up to 300 up to 600	1.8 to 9.0	± 2.0 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm
PU Elastik + silicone	yellow + silicon white grey + silicone white	elastic web/ polyester	9 ± 3 N/cm	possible	30 mm	-10° to + 60° C	polyurethane	approx. 55° Shore A	ground	0.4	0.8	0.3	silicone	approx. 35° Shore A	ground	0.6	0.3	200 to 600 600 to 3500	up to 300 up to 600	2.4 to 10	± 2.0 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm
PU 10 non-porous ply	red + non-porous ply red grey + non-porous ply grey	polyamide	100 ± 15 N/cm	possible	8 mm	-10° to + 60° C	textile	–	impregnated	0.4	0.8	0.3	polyurethane	approx. 55° Shore A	non-porous ply	0.5	0.2	200 to 600 600 to 4400	up to 300 up to 600	0.9 to 10	± 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 10 one side smooth	black	polyamide	80 ± 10 N/cm	yes	8 mm	-20° to + 100° C	poly-chloroprene	approx. 75° Shore A	smooth	0.6	0.8	0.6	poly-chloroprene	approx. 75° Shore A	profiled	0.8	0.2	180 to 400 400 to 2000	up to 100 up to 420	0.7	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.15 mm
PC	red	polyester/ cotton	380 ± 30 N/cm	possible	15 mm	-10° to + 60° C	textile	–	impregnated	0.7	0.8	0.6	PVC	approx. 50° Shore A	profiled	0.9	0.5	500 to 4200	up to 400	1.1	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.15 mm
PU 11	yellow, grey	polyester	230 ± 30 N/cm	possible	12 mm	-10° to + 60° C	textile	–	impregnated	0.4	0.8	0.3	polyurethane	approx. 55° Shore A	ground	0.8	0.2	200 to 600 600 to 5000	up to 300 up to 600	1.0 to 10	± 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 20/1	yellow, grey	cotton	165 ± 15 N/cm	possible	9 mm	-10° to + 60° C	textile	–	untreated	0.1	0.3	0.1	polyurethane	approx. 55° Shore A	ground	0.8	0.2	200 to 600 600 to 5000	up to 300 up to 600	0.9 to 10	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm
NE 20/1	black	cotton	190 ± 10 N/cm	yes	8 mm	-20° to + 100° C	textile	–	untreated	0.1	0.3	0.1	poly-chloroprene	approx. 75 ° Shore A	profiled	0.8	0.2	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

All information in this brochure correspond to the current state of technology. Changes may be made without prior notification.

The values mentioned are for information only and do not guarantee a certain property.

* at minimum thickness

** special dimensions and tolerances available on request

properties / applications

- high elasticity
- used with fixed shaft centers
- very good running properties
- used as matching sets
- paper transport

- elastic conveyor band
- good traction
- document and paper transport

- elastic
- used with fixed shaft centers
- very good running properties
- used as matching sets

- elastic
- used with fixed shaft centers
- very good running properties
- used as matching sets
- dirt- and glue-resistant carrying side

- slightly elastic
- used with fixed shaft centers
- used as matching sets

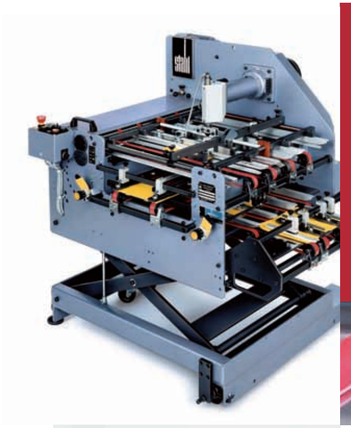
- slightly elastic
- used with fixed shaft centers
- used as matching sets

- very good resistance to acid and alcaline solutions, microbes and hydrolysis
- high coefficient of friction

- available ex stock for lengths up to 2400 mm
- general application

- table removers, blade edges

- table removers, blade edges



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.

Schlatterer
Esband

MSC-130.05-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

Schlatterer
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Schlatterer
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ENDLESS PROCESS AND MACHINE BELTS PAPER TRANSPORT