

Endless Weighing and Food Belts

ESBAND designation									running side					carrying side				standard production dimensions**			standard tolerances**			
type	belt design	tensile element	food transport	axle load at 1% elongation	antistatic	minimum pulley diameter*	permissible operating temperature	material	hardness	surface	coefficient of friction* [$\mu \pm 0.1 \mu$]			material	hardness	surface	coefficient of friction* [$\mu \pm 0.1 \mu$]		length [mm]	width [mm]	thickness [mm]	length	width	thick-ness
											steel	anodized aluminium	stainless steel				paper	PE foil						
PU 0/6 W	yellow, grey	polyurethane	only packaged food	4 ± 2 N/cm	no	8 mm	-10° to + 60° C	polyurethane	approx. 55° Shore A	special grinding+ low-friction-coating	0.2	0.7	0.2	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
PU 0/6	both sides porousfree ply white	polyurethane	only packaged food	4 ± 2 N/cm	no	8 mm	-10° to + 60° C	polyurethane	approx. 55° Shore A	porousfree ply white	0.3	0.6	0.3	polyurethane	approx. 55° Shore A	porousfree ply white	0.5	0.2	200 to 600 600 to 2400	up to 300 up to 400	1.1 1.4 (> 1000 mm) 1.7 (> 1500 mm) 2.2 (> 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	± 0.15 mm
PU Elastik + silicone	yellow+silicone white grey + silicone grey	elastic web/ polyester	running side FDA	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. 30° Shore A	ground	0.6	0.3	200 to 600 600 to 3500	up to 300 up to 600	2.4 up 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
HT Elastik 30	blue, white	Hytrel®	FDA	0.33 N/mm² Hytrel®	no	8 mm	-40° to + 60° C	Hytrel®	approx. 30° Shore D	smooth	0.5	0.7	0.9	Hytrel®	approx. 30° Shore D	ground	0.5	0.2	200 to 410 410 to 2200	up to 150 up to 400	0.8 up to 1.5	± 1.0 %	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	blue, white	Hytrel®	FDA	0.83 N/mm² Hytrel®	no	10 mm	-40° to + 100° C	Hytrel®	approx. 40° Shore D	ground	0.5	0.6	0.4	Hytrel®	approx. 40° Shore D	ground	0.5	0.1	410 to 2200	up to 400	0.6 up to 1.5	± 1.0 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm
HT 4011	white, blue	polyester	FDA	290 ± 35 N/cm	possible	20 mm	-40° to + 100° C	Hytrel®	approx. 40° Shore D	X-profile	0.3	0.5	0.2	Hytrel®	approx. 40° Shore D	ground	0.5	0.1	800 to 1100 1100 to 2200	up to 300 up to 500	1.5 up to 3.0	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm
Si 1	blue, white, grey	polyester	FDA	190 ± 20 N/cm	possible	12 mm	-20° to + 150° C	textile	-/-	untreated	0.2	0.3	0.2	silicone	approx. 30° Shore A	ground	0.6	0.3	200 to 600 600 to 4800	up to 300 up to 600	1.0 up 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
Si 3	blue, white, grey	polyester/ cotton	FDA	135 ± 15 N/cm	possible	10 mm	-20° to + 120° C	textile	-/-	untreated	0.1	0.3	0.1	silicone	approx. 30° Shore A	ground	0.6	0.3	200 to 600 600 to 4200	up to 300 up to 600	1.0 up 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
FX 11	white, blue	polyester	FDA	230 ± 20 N/cm	possible	20 mm	-10° to + 80° C	polyurethane	approx. 80° Shore A	T-profile	0.3	0.5	0.2	polyurethane	approx. 80° Shore A	ground	0.7	0.1	480 to 1000 1000 to 4000	up to 500 up to 900	1.1 up to 3.0	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm
FX 12	white, blue	polyester	FDA	320 ± 40 N/cm	possible	35 mm	-10° to + 80° C	polyurethane	approx. 80° Shore A	ground	0.4	0.4	0.2	polyurethane	approx. 80° Shore A	smooth	0.4	0.9	480 to 1000 1000 to 4000	up to 500 up to 900	1.6 up to 3.0	± 0.5 %	up to 50 mm ± 0.5 mm up to 100 mm ± 1.0 mm > 100 mm ± 2.0 mm	± 0.10 mm

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
- weighing belt
- very good running properties
- used as matching sets

- high elasticity
- used with fixed shaft centers
- easier to clean
- very good running properties
- used as matching sets

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

- elastic
- used with fixed shaft centers
- resistant to microbes and hydrolysis
- very good running properties
- used as matching sets
- general conveying applications

- slightly elastic
- used with fixed shaft centers
- resistant to microbes and hydrolysis
- very good running properties
- used as matching sets
- general conveying applications

- transversally stiff
- resistant to microbes and hydrolysis
- general conveying applications
- special profile on running side

- resistant to dirt and glue
- resistant to microbes and hydrolysis
- weighing belt

- resistant to dirt and glue
- suitable for blade edges
- resistant to microbes and hydrolysis
- weighing belt
- highly flexible

- general conveying applications
- resistant to microbes and hydrolysis

- high-performance conveying applications
- resistant to microbes and hydrolysis



MSC-130.06-E-04.07

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.



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