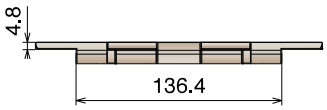
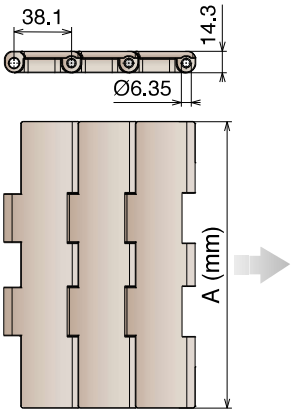
821 Catena rettilinea
Straight running chain / Geradegängige Scharnierbandkette

Pins: Stainless Steel | **Backflex radius min.:** 50 mm





10 feet
3.048 m
80 links

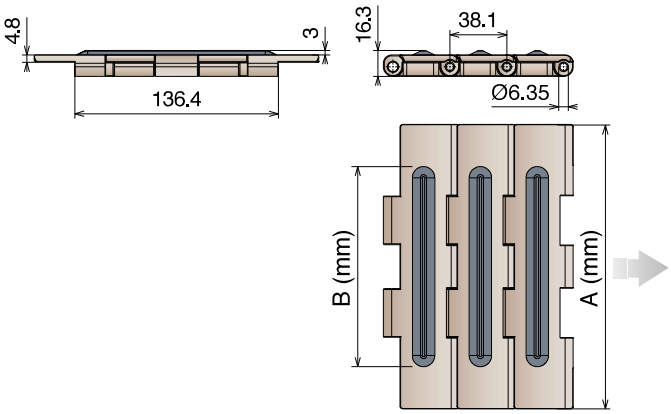
pg. 86/105
pg. 464->471

Article-Nr.	Ref.	A (Plate Width) mm	Weight kg/m	Max working load (N)	Material
11040107	LF 821 K750	190,5	2,55	2770	LF
11040108	LF 821 K1000	254,0	3,05		
11040109	LF 821 K1200	304,8	3,35		
11040307	MX 821 K750	190,5	2,55	2200	MX
11040308	MX 821 K1000	254,0	3,05		
11040309	MX 821 K1200	304,8	3,35		
11042507	MPX 821 K750	190,5	2,55	2770	MPX
11042508	MPX 821 K1000	254,0	3,05		
11042509	MPX 821 K1200	304,8	3,35		
11041607	DKM 821 K750	190,5	2,55	2770	DKM
11041608	DKM 821 K1000	254,0	3,05		
11041609	DKM 821 K1200	304,8	3,35		
11041707	MWX 821 K750	190,5	2,55	2770	MWX
11041708	MWX 821 K1000	254,0	3,05		
11041709	MWX 821 K1200	304,8	3,35		

821 GT

Catena rettilinea
Straight running chain / Geradegängige Scharnierbandkette

Pins: Stainless Steel | **Backflex radius min.:** 50 mm | **TPE Rubber:** 75 ShA



10 feet
3.048 m
80 links

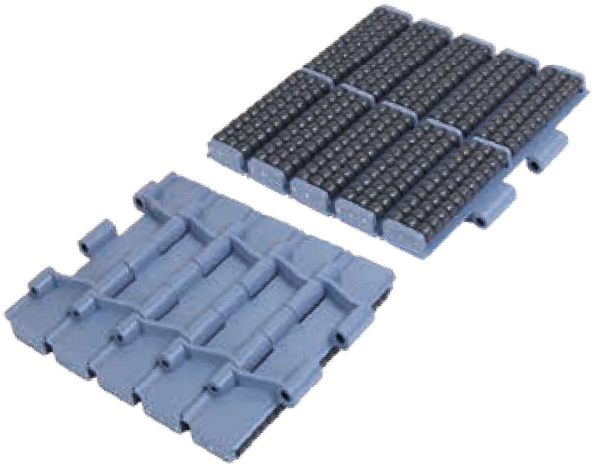
pg. 86/105
pg. 464->471

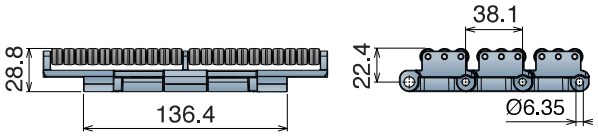
Article-Nr.	Ref.	A (Plate Width) mm	B (Rubber Width) mm	Weight kg/m	Max working load (N)	Material
11050107	LF 821 GT K750	190,5	134,0	2,55	2770	LF
11050108	LF 821 GT K1000	254,0	192,0	3,05		
11050109	LF 821 GT K1200	304,8	252,0	3,35		
11050307	MX 821 GT K750	190,5	134,0	2,55	2200	MX
11050308	MX 821 GT K1000	254,0	192,0	3,05		
11050309	MX 821 GT K1200	304,8	252,0	3,35		

821 LBP

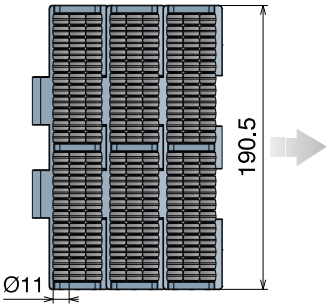
Catena rettilinea
Straight running chain / Geradegängige Scharnierbandkette

Pins: Stainless Steel | **Backflex radius min.:** 150 mm

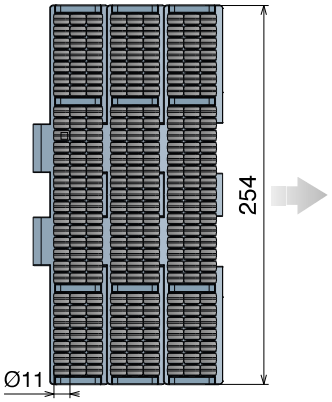




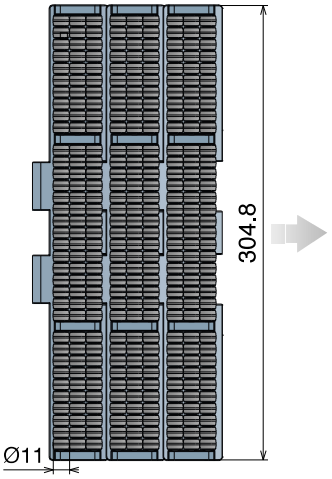
K750



K1000



K1200



5 feet
1.524 m
40 links

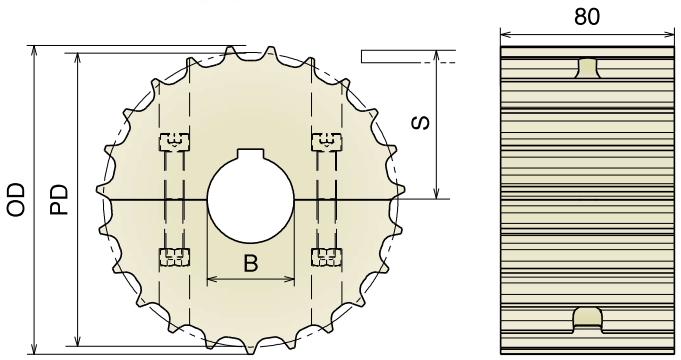
pg. 86/105
pg. 464->471

Article-Nr.	Ref.	A (Plate Width) mm	Weight kg/m	Max working load (N)	Material
11060107	LFA 821 LBP K750	190,5	5,70	2770	LFA
11060108	LFA 821 LBP K1000	254,0	7,05		
11060109	LFA 821 LBP K1200	304,8	8,21		

Materiale / *Material / Materialien:*
Poliammide/*Polyamide/Polyamid*
Viti: Acciaio inox/*Screws: Stainless steel/Schrauben: Edelstahl*
Dadi: ferro zincato/*Nuts: zinc plated steel/Mutter: verzinkter Stahl*

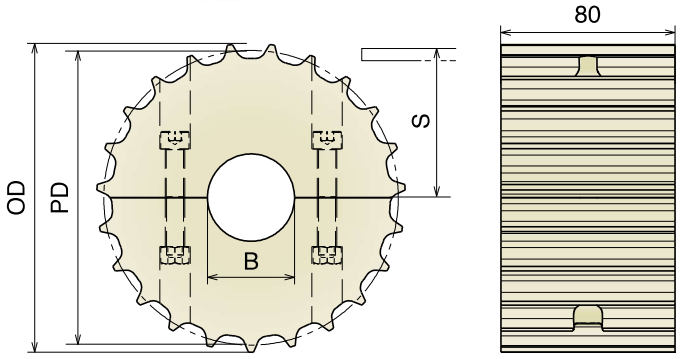
805-821

Ruota traino divisa, fresata
Split drive sprocket, machined / geteiltes Antriebskettenrad gefräst



Part	Article-Nr.	Z-	Bore	PD	OD	S
521	52101	17	25	105,5	103,9	55,9
521	52102		30			
521	52103		35			
521	52104		40			
522	52201	19	25	117,3	117,0	61,9
522	52202		30			
522	52203		35			
522	52204		40			
523	52301	21	25	129,3	129,0	67,8
523	52302		30			
523	52303		35			
523	52304		40			
524	52401	23	25	141,2	142,0	73,8
524	52402		30			
524	52403		35			
524	52404		40			
525	52501	25	25	153,2	154,0	79,8
525	52502		30			
525	52503		35			
525	52504		40			
526	52601	27	25	165,2	166,8	85,8
526	52602		30			
526	52603		35			
526	52604		40			
527	52701	29	25	177,2	178,5	91,8
527	52702		30			
527	52703		35			
527	52704		40			

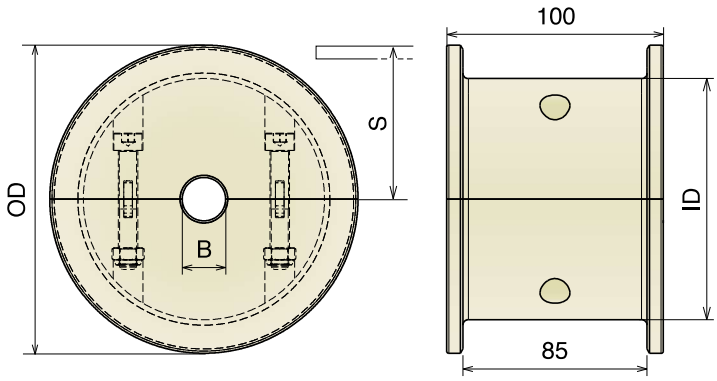
Ruota rinvio divisa, fresata
Split idler sprocket, machined / geteiltes Umlenkrad, gefräst



Part	Article-Nr.	Z-	Bore	PD	OD	S
521	52150	17	18*	105,5	103,9	55,9
521	52151		25			
521	52152		30			
521	52153		35			
521	52154		40			
522	52250	19	18*	117,3	117,0	61,9
522	52251		25			
522	52252		30			
522	52253		35			
522	52254		40			
523	52350	21	18*	129,3	129,0	67,8
523	52351		25			
523	52352		30			
523	52353		35			
523	52354		40			
524	52450	23	18*	141,2	142,0	73,8
524	52451		25			
524	52452		30			
524	52453		35			
524	52454		40			
525	52550	25	18*	153,2	154,0	79,8
525	52551		25			
525	52552		30			
525	52553		35			
525	52554		40			
526	52650	27	18*	165,2	166,8	85,8
526	52651		25			
526	52652		30			
526	52653		35			
526	52654		40			
527	52750	29	18*	177,2	178,5	91,8
527	52751		25			
527	52752		30			
527	52753		35			
527	52754		40			

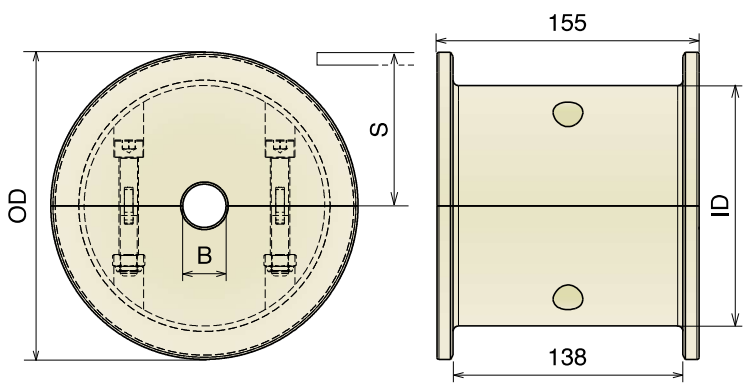
*Plain Bore

805 Ruota rinvio liscia, divisa, fresata
Split idler wheel, machined / geteilte Umlenkrolle, gefräst



Part	Article-Nr.	ecq. Z-	Bore	OD	ID	S
611	61100	17	20	104,0	75,2	56,2
611	61101		25			
611	61102		30			
611	61103		35			
611	61104		40			
612	61200	19	20	117,0	92,2	62,6
612	61201		25			
612	61202		30			
612	61203		35			
612	61204		40			
613	61300	21	20	129,8	105,0	68,6
613	61301		25			
613	61302		30			
613	61303		35			
613	61304		40			
614	61400	23	20	142,2	111,3	74,6
614	61401		25			
614	61402		30			
614	61403		35			
614	61404		40			
615	61500	25	20	154,7	124,7	80,5
615	61501		25			
615	61502		30			
615	61503		35			
615	61504		40			
616	61600	27	20	167,2	135,0	88,5
616	61601		25			
616	61602		30			
616	61603		35			
616	61604		40			
617	61700	29	20	179,3	140,0	92,8
617	61701		25			
617	61702		30			
617	61703		35			
617	61704		40			

821 Ruota rinvio liscia, divisa, fresata
Split idler wheel, machined / geteilte Umlenkrolle, gefräst



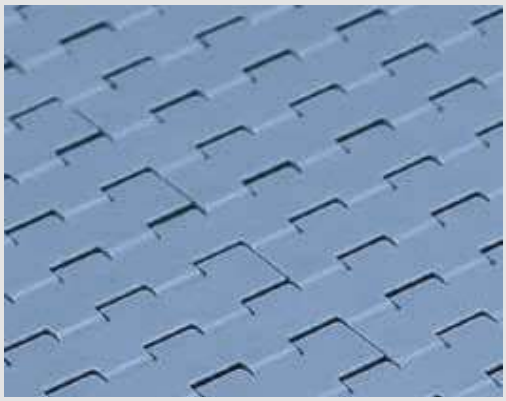
Part	Article-Nr.	ecq. Z-	Bore	OD	ID	S
625	62500	19	20	117,0	92,2	62,6
625	62501		25			
625	62502		30			
625	62503		35			
625	62504		40			
626	62600	21	20	129,8	105,0	68,6
626	62601		25			
626	62602		30			
626	62603		35			
626	62604		40			
627	62700	23	20	142,2	111,3	74,6
627	62701		25			
627	62702		30			
627	62703		35			
627	62704		40			
628	62800	25	20	154,7	124,7	80,5
628	62801		25			
628	62802		30			
628	62803		35			
628	62804		40			

Material Chemical Resistances

Chemical Agent up to 65°C	Polyamide	Steel	Stainless Steel Aisi 304	Stainless Steel Aisi 430	LF	MX	UHMW PE	PP/PPX
Acetone	G	U	G	G	G	A	G	G
Acetic acid (max 5%)	U	U	G	U	U	G	G	G
Alcohol	G	G	G	G	G	G	G	G
Ammonia	G	A	G	G	U	A	G	G
Beer	G	G	G	G	G	G	G	G
Benzene	G	G	G	G	G	U	A	G
Benzol	G	G	G	G	G	G	G	A
Carbon tetrachloride	G	A	A	A	G	/	A	U
Chocolat	A	G	G	G	G	G	A	G
Citric acid	A	U	G	A	A	G	G	G
Formic acid	U	G	G	G	G	A	G	/
Fresh water	G	U	G	G	G	G	G	G
Fruit juices	G	U	G	A	G	G	G	G
Hydrochloric acid (max 2%)	U	U	U	U	U	A	A	G
Hydrogen peroxide	U	U	G	A	U	/	A	/
Iodine	U	A	A	A	A	/	A	/
Lactic acid	G	U	G	U	G	G	G	G
Milk	G	G	G	G	G	G	G	G
Mustard	A	G	G	G	A	/	A	G
Nitric acid	U	U	G	A	U	U	A	G
Oil (vegetable or mineral)	G	G	G	G	G	U	G	G
Paraffin	G	G	G	G	G	G	G	/
Petrol	G	G	G	G	G	G	A	G
Phosphoric acid (max 10%)	U	U	G	U	U	U	G	G
Sea water	U	A	G	A	G	G	G	G
Soap and water	G	A	G	G	G	G	G	G
Sodium hydrochloride	G	U	A	U	G	A	G	G
Sodium hydroxide (max 25%)	G	U	G	G	U	U	G	/
Sodium hypochlorite	G	U	U	U	U	A	G	G
Soft Drinks	G	G	G	G	G	G	G	G
Spirits	G	G	G	G	G	G	G	G
Sulphide acid	U	U	U	U	U	G	U	G
Toluene	U	U	U	U	G	G	A	G
Turpentine	U	G	G	G	U	G	A	/
Vegetable juices	G	A	G	G	G	G	G	G
Vinegar	G	U	A	U	G	G	G	G
Whisky	G	G	G	G	G	G	G	G
Wine	G	G	G	G	G	G	G	G
Xilol	U	U	U	U	U	G	U	U

LEGENDA
G: *Good* / **A:** *Average* / **U:** *Unsatisfactory*

LF-LFA



Materials

Description

Low friction Acetal Resin.
This material can be used in all common applications.
Colour: *Light Brown for Chains, RAL 5014 for Belts.*
Primary Components: *POM*

General information

Material abbreviation	Material	Chemical abbreviation	Allowable application temperatures						FDA Approval
			Fahrenheit			Celsius			
			Min	Max		Min	Max		
				Dry	Wet		Dry	Wet	
LF	Low friction acetal	POM	-40	176	149	-40	80	65	YES
LFA	Low friction acetal	POM	-40	176	149	-40	80	65	YES

Friction Factors Between Material and Product

Lubrification	Product Material					
	Paper & carton	Metal (steel)	Aluminium	Plastics & PET	Glass (returnable)	Glass (new)
Dry	0,28	0,25	0,25	0,21	0,24	0,20
Water	n.a.	0,20	0,18	0,16	0,18	0,15
W&s & Dry lube	n.a.	0,15	0,14	0,13	0,14	0,12
Oil	n.a.	0,10	n.a.	n.a.	n.a.	n.a.

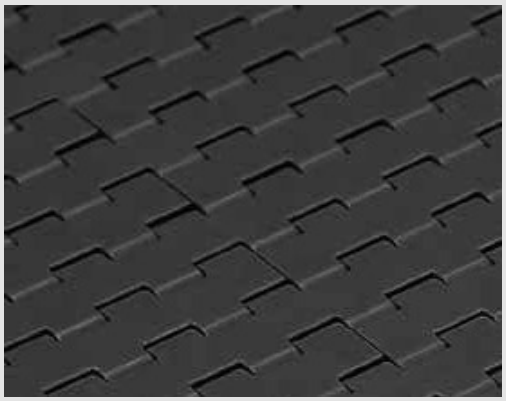
Friction Factors Between Material and Product

Lubrification	Wearstrip Material		
	Stainless steel	UHMW-PE & PA	BluLub®
Dry	0,24	0,20	0,18
Water	0,19	0,16	0,14
W&s & Dry lube	0,15	0,10	0,10
Oil	0,10	0,10	0,10

Note

Material properties and performance of final product are subject to variation according to operating conditions, e.g. environmental conditions, chemicals, cleanliness.

MX



Materials

Description

Extra Performance material (PBT with additives) *with a very low coefficient of friction and improved wear resistance. Recommended for high speed and dry running applications.*
Colour: *Grey (RAL 7024)*
Primary Components: *PBT*

General information

Material abbreviation	Material	Chemical abbreviation	Allowable application temperatures						FDA Approval
			Fahrenheit			Celsius			
			Min	Max		Min	Max		
				Dry	Wet		Dry	Wet	
MX	Performance PBT	PBT	-40	248	140	-40	120	60	YES

Friction Factors Between Material and Product

Lubrification	Product Material					
	Paper & carton	Metal (steel)	Aluminium	Plastics & PET	Glass (returnable)	Glass (new)
Dry	0,20	0,18	0,15	0,13	0,14	0,12
Water	n.a.	0,16	0,14	0,12	0,13	0,12
W&s & Dry lube	n.a.	0,13	0,12	0,10	0,11	0,10
Oil	n.a.	0,10	n.a.	n.a.	n.a.	n.a.

Friction Factors Between Material and Product

Lubrification	Wearstrip Material		
	Stainless steel	UHMW-PE & PA	BluLub®
Dry	0,20	0,16	0,13
Water	0,17	0,11	0,09
W&s & Dry lube	0,14	0,09	0,08
Oil	0,10	0,10	0,10

Note

Material properties and performance of final product are subject to variation according to operating conditions, e.g. environmental conditions, chemicals, cleanliness.

MPX

Materials

Description

High performance Material with a low coefficent of friction.
This material can increase wear life 25% over LF material.
Colour: *Brown*
Primary Components: *POM*

General information

Material abbreviation	Material	Chemical abbreviation	Allowable application temperatures						FDA Approval
			Fahrenheit			Celsius			
			Min	Max		Min	Max		
				Dry	Wet		Dry	Wet	
MP	Lucricated Acetal	POM	-40	176	149	-40	80	65	YES

Friction Factors Between Material and Product

Lubrification	Product Material					
	Paper & carton	Metal (steel)	Aluminium	Plastics & PET	Glass (returnable)	Glass (new)
Dry	0,24	0,22	0,21	0,19	0,21	0,16
Water	n.a.	0,19	0,17	0,15	0,17	0,14
W&s & Dry lube	n.a.	0,15	0,14	0,13	0,13	0,12
Oil	n.a.	0,10	n.a.	n.a.	n.a.	n.a.

Friction Factors Between Material and Product

Note
Material properties and performance of final product are subject to variation according to operating conditions, e.g. environmental conditions, chemicals, cleanliness.

DKM

Description

Aramide reinforced acetal material
It's commonly used in dry running glass handling applications.
Colour: *Grey*
Primary Component: *POM*

General information

Material abbreviation	Material	Chemical abbreviation	Allowable application temperatures						FDA Approval
			Fahrenheit			Celsius			
			Min	Max		Min	Max		
				Dry	Wet		Dry	Wet	
DKM	Aramide reinforced acetal	POM	-40	176	149	-40	80	65	-

Friction Factors Between Material and Product

Lubrification	Product Material					
	Paper & carton	Metal (steel)	Aluminium	Plastics & PET	Glass (returnable)	Glass (new)
Dry	0,21	0,19	0,16	0,20	0,15	0,13
Water	n.a.	0,17	0,15	0,15	0,14	0,13
W&s & Dry lube	n.a.	0,14	0,13	0,13	0,12	0,11
Oil	n.a.	0,10	n.a.	n.a.	n.a.	n.a.

Friction Factors Between Material and Product

Lubrification	Wearstrip Material		
	Stainless steel	UHMW-PE & PA	BluLub®
Dry	0,21	0,19	0,17
Water	0,18	0,15	0,14
W&s & Dry lube	0,15	0,11	0,11
Oil	0,10	0,10	0,10

Note

Material properties and performance of final product are subject to variation according to operating conditions, e.g. environmental conditions, chemicals, cleanliness.

MWX

Materials

Description

MWX increases wear life

Used in applications where chain is subject to abrasives conditions such as glass sand and dirt.

Colour: *Black*

Primary Component: *Nylon (PA)*

General information

Material abbreviation	Material	Chemical abbreviation	Allowable application temperatures						FDA Approval
			Fahrenheit			Celsius			
			Min	Max		Min	Max		
				Dry	Wet		Dry	Wet	
MWX	Polyamid Composite	PA	-40	219	N.R.	-40	104	N.R.	-

Friction Factors Between Material and Product

Lubrification	Product Material					
	Paper & carton	Metal (steel)	Aluminium	Plastics & PET	Glass (returnable)	Glass (new)
Dry	0,24	0,21	0,18	0,15	0,17	0,14
Water	n.a.	0,19	0,17	0,14	0,15	0,14
W&s & Dry lube	n.a.	0,15	0,14	0,12	0,13	0,12
Oil	n.a.	0,10	n.a.	n.a.	n.a.	n.a.

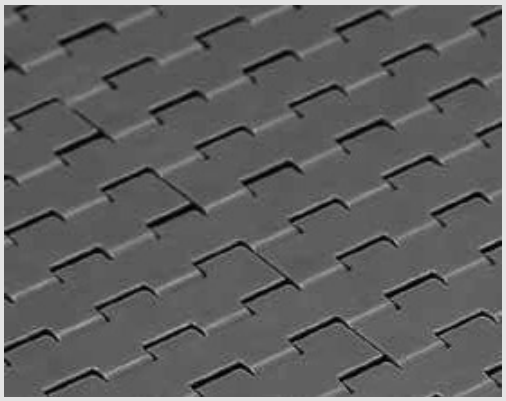
Friction Factors Between Material and Product

Lubrification	Wearstrip Material		
	Stainless steel	UHMW-PE & PA	BluLub®
Dry	0,24	0,19	0,15
Water	0,20	0,13	0,11
W&s & Dry lube	0,17	0,11	0,09
Oil	0,10	0,10	0,10

Note

Material properties and performance of final product are subject to variation according to operating conditions, e.g. environmental conditions, chemicals, cleanliness.

PP



Materials

Description

Polypropylene
for better chemical resistance and higher temperatures.
Colour: *Grey*
Primary Component: *PP*

General information

Material abbreviation	Material	Chemical abbreviation	Allowable application temperatures						FDA Approval
			Fahrenheit			Celsius			
			Min	Max		Min	Max		
				Dry	Wet		Dry	Wet	
PP	Polypropylene	PP	40	220	212	4	104	100	YES

Friction Factors Between Material and Product

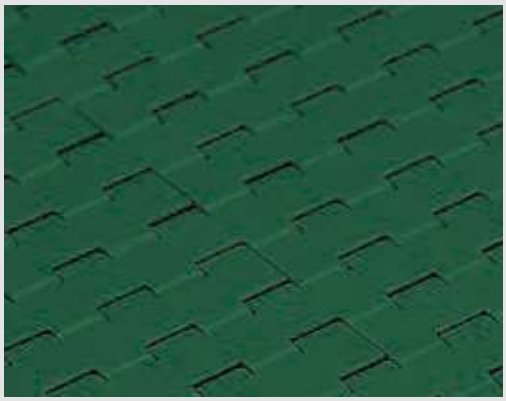
Lubrification	Product Material					
	Paper & carton	Metal (steel)	Aluminium	Plastics & PET	Glass (returnable)	Glass (new)
Dry	0,40	0,30	0,32	0,28	0,29	0,26
Water	n.a.	0,24	0,26	0,22	0,23	0,21
W&s & Dry lube	n.a.	0,20	0,20	0,18	0,19	0,18
Oil	n.a.	0,10	n.a.	n.a.	n.a.	n.a.

Friction Factors Between Material and Product

Lubrification	Wearstrip Material		
	Stainless steel	UHMW-PE & PA	BluLub®
Dry	0,29	0,24	0,21
Water	0,23	0,19	0,17
W&s & Dry lube	0,19	0,13	0,13
Oil	0,10	0,10	0,10

Note
Material properties and performance of final product are subject to variation according to operating conditions, e.g. environmental conditions, chemicals, cleanliness.

PPX



Materials

Description

Reinforced Polypropylene
for improved heat stability and chemical resistance.
Colour: *Green*
Primary Component: *PP*

General information

Material abbreviation	Material	Chemical abbreviation	Allowable application temperatures						FDA Approval
			Fahrenheit			Celsius			
			Min	Max		Min	Max		
				Dry	Wet		Dry	Wet	
PPX	Reinforced Polypropylene	PP	40	220	212	4	104	100	YES

Friction Factors Between Material and Product

Lubrification	Product Material					
	Paper & carton	Metal (steel)	Aluminium	Plastics & PET	Glass (returnable)	Glass (new)
Dry	0,40	0,30	0,32	0,28	0,29	0,26
Water	n.a.	0,24	0,26	0,22	0,23	0,21
W&s & Dry lube	n.a.	0,20	0,20	0,18	0,19	0,18
Oil	n.a.	0,10	n.a.	n.a.	n.a.	n.a.

Friction Factors Between Material and Product

Lubrification	Wearstrip Material		
	Stainless steel	UHMW-PE & PA	BluLub®
Dry	0,29	0,24	0,21
Water	0,23	0,19	0,17
W&s & Dry lube	0,19	0,13	0,13
Oil	0,10	0,10	0,10

Note
Material properties and performance of final product are subject to variation according to operating conditions, e.g. environmental conditions, chemicals, cleanliness.