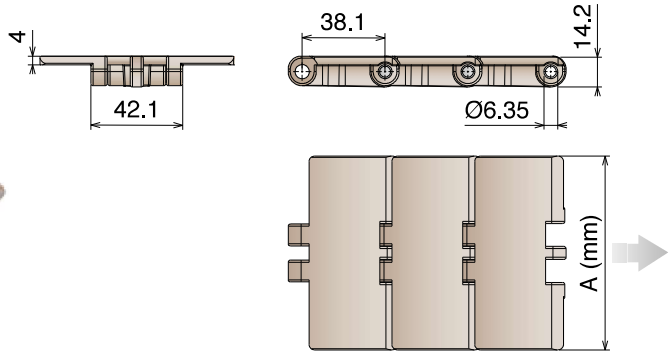
820 Catena rettilinea
Straight running chain / Geradegängige Scharnierbandkette

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



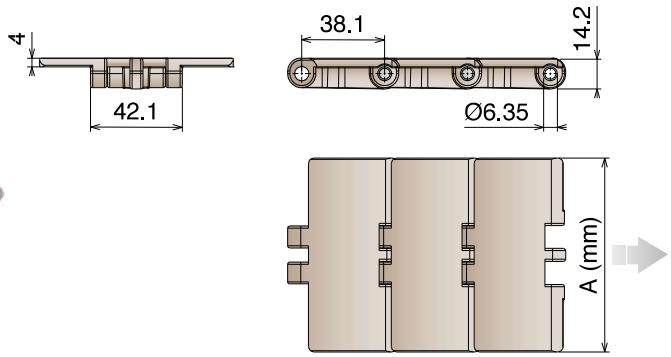
10 feet 3.048 m
80 links

pg. 88-89-96/104
pg. 464->471

Article-Nr.	Ref.	A (Plate Width) mm	Weight kg/m	Max working load (N)	Material
11010102	LF 820 K325	82,5	0,89	1625	LF
11010103	LF 820 K330	83,8	0,90		
11010104	LF 820 K350	88,9	0,91		
11010114	LF 820 K400	101,6	0,95		
11010105	LF 820 K450	114,3	1,00		
11010106	LF 820 K600	152,4	1,22		
11010107	LF 820 K750	190,5	1,43		
11010302	MX 820 K325	82,5	0,89	1260	MX
11010303	MX 820 K330	83,8	0,90		
11010304	MX 820 K350	88,9	0,91		
11010314	MX 820 K400	101,6	0,95		
11010305	MX 820 K450	114,3	1,00		
11010306	MX 820 K600	152,4	1,22		
11010307	MX 820 K750	190,5	1,43		
11012502	MPX 820 K325	82,5	0,89	1625	MPX
11012503	MPX 820 K330	83,8	0,90		
11012504	MPX 820 K350	88,9	0,91		
11012514	MPX 820 K400	101,6	0,95		
11012505	MPX 820 K450	114,3	1,00		
11012506	MPX 820 K600	152,4	1,22		
11012507	MPX 820 K750	190,5	1,43		

820 Catena rettilinea
Straight running chain / Geradegängige Scharnierbandkette

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



10 feet 3.048 m
80 links

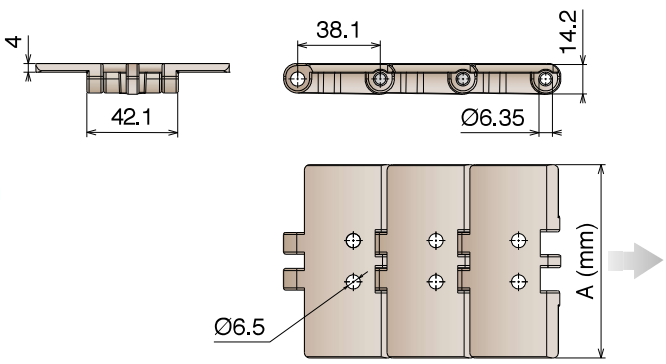
pg. 88-89-96/104
pg. 464->471

Article-Nr.	Ref.	A (Plate Width) mm	Weight kg/m	Max working load (N)	Material
11011602	DKM 820 K325	82,5	0,89	1625	DKM
11011603	DKM 820 K330	83,8	0,90		
11011604	DKM 820 K350	88,9	0,91		
11011614	DKM 820 K400	101,6	0,95		
11011605	DKM 820 K450	114,3	1,00		
11011606	DKM 820 K600	152,4	1,22		
11011607	DKM 820 K750	190,5	1,43		
11011702	MWX 820 K325	82,5	0,89	1625	MWX
11011703	MWX 820 K330	83,8	0,90		
11011704	MWX 820 K350	88,9	0,91		
11011714	MWX 820 K400	101,6	0,95		
11011705	MWX 820 K450	114,3	1,00		
11011706	MWX 820 K600	152,4	1,22		
11011707	MWX 820 K750	190,5	1,43		

820 V

Catena rettilinea
Straight running chain / Geradegängige Scharnierbandkette

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



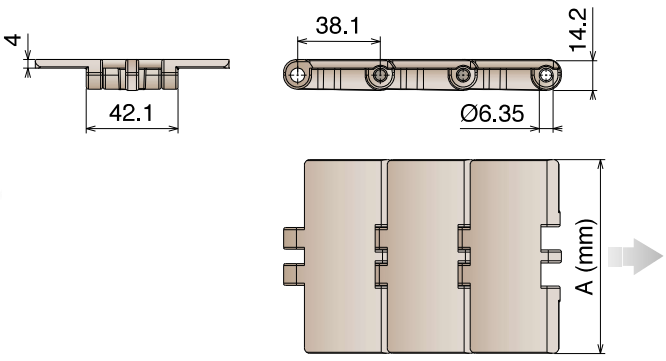
10 feet 3.048 m
80 links
pg. 88-89-96/104
pg. 464->471

Article-Nr.	Ref.	A (Plate Width) mm	Weight kg/m	Max working load (N)	Material
11550102	LF 820 V2 K325	82,5	0,89	1625	LF
11550105	LF 820 V2 K450	114,3	1,00		
11550302	MX 820 V2 K325	82,5	0,89	1260	MX
11550305	MX 820 V2 K450	114,3	1,00		

820 *Plastic pin*

Catena rettilinea con perno in plastica
Straight running chain with plastic pin / Geradegängige Scharnierbandkette mit plastic bolzen

Pins: Plastic | **Backflex radius min.:** 50 mm



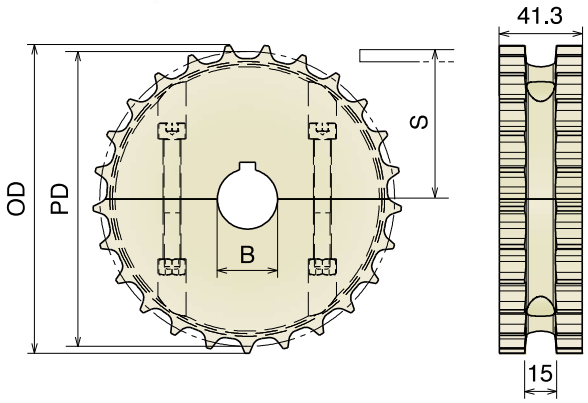
10 feet 3.048 m
80 links
pg. 88-89-96/104
pg. 464->471

Article-Nr.	Ref.	A (Plate Width) mm	Weight kg/m	Max working load (N)	Material
11630102	LF 820 K325	82,5	0,69	650	LF
11630105	LF 820 K450	114,3	0,80		

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

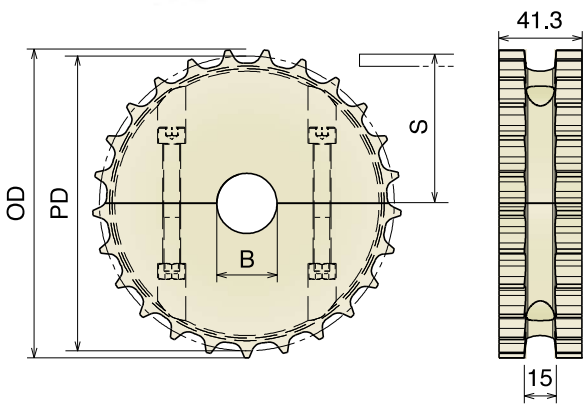
820-831

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



Part	Article-Nr.	Z-	Bore	PD	OD	S
535	53501	17	25	105,5	103,9	55,9
535	53502		30			
535	53503		35			
535	53504		40			
536	53601	19	25	117,3	117,0	61,9
536	53602		30			
536	53603		35			
536	53604		40			
537	53701	21	25	129,3	129,0	67,8
537	53702		30			
537	53703		35			
537	53704		40			
538	53801	23	25	141,2	142,0	73,8
538	53802		30			
538	53803		35			
538	53804		40			
539	53901	25	25	153,2	154,0	79,8
539	53902		30			
539	53903		35			
539	53904		40			
540	54001	27	25	165,2	166,8	85,8
540	54002		30			
540	54003		35			
540	54004		40			
541	54101	29	25	177,2	178,5	91,8
541	54102		30			
541	54103		35			
541	54104		40			

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



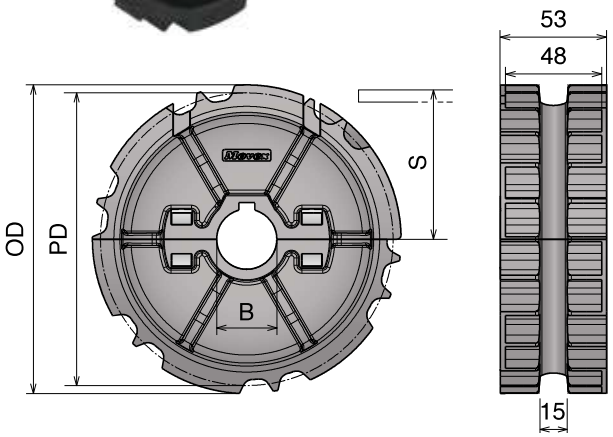
Part	Article-Nr.	Z-	Bore	PD	OD	S
535	53550	17	18*	105,5	103,9	55,9
535	53551		25			
535	53552		30			
535	53553		35			
535	53554		40			
536	53650	19	18*	117,3	117,0	61,9
536	53651		25			
536	53652		30			
536	53653		35			
536	53654		40			
537	53750	21	18*	129,3	129,0	67,8
537	53751		25			
537	53752		30			
537	53753		35			
537	53754		40			
538	53850	23	18*	141,2	142,0	73,8
538	53851		25			
538	53852		30			
538	53853		35			
538	53854		40			
539	53950	25	18*	153,2	154,0	79,8
539	53951		25			
539	53952		30			
539	53953		35			
539	53954		40			
540	54050	27	18*	165,2	166,8	85,8
540	54051		25			
540	54052		30			
540	54053		35			
540	54054		40			
541	54150	29	18*	177,2	178,5	91,8
541	54151		25			
541	54152		30			
541	54153		35			
541	54154		40			

*Plain Bore

Materiale / *Material / Materialien:*
Poliammide rinforzato/Polyamide reinforced/Verstärktes Polyamid
Viti: Acciaio inox/*Screws: Stainless steel/Schrauben: Edelstahl*
Dadi: Ottone nichelato/*Nuts: Nickel plated brass/Mutter: Messing*

820-831

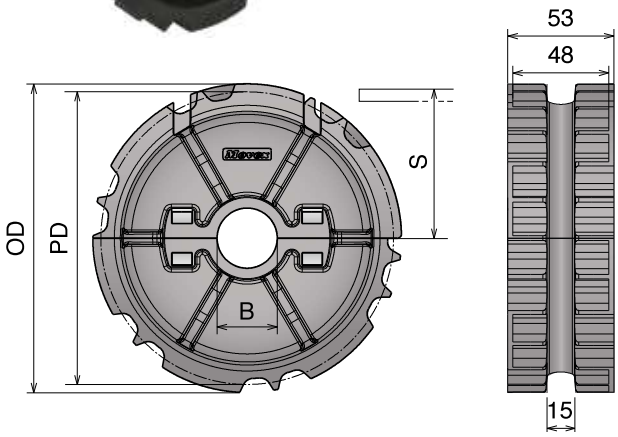
Ruota traino divisa, stampata
Split drive sprocket, molded / geteiltes Antriebskettenrad, gespritzt



Part	Article-Nr.	Z-	Bore	PD	OD	S
542	54201	21	25	129,3	129,0	67,8
542	54202		30			
542	54203		35			
542	54204		40			
543	54301	23	25	141,2	142,0	73,8
543	54302		30			
543	54303		35			
543	54304		40			
544	54401	25	25	153,2	154,0	79,8
544	54402		30			
544	54403		35			
544	54404		40			

Improved Design and Performance

Ruota rinvio divisa, stampata
Split idler sprocket, molded / geteiltes Umlenkrad, gespritzt



Part	Article-Nr.	Z-	Bore	PD	OD	S
542	54251	21	25	129,3	129,0	67,8
542	54252		30			
542	54253		35			
542	54254		40			
543	54351	23	25	141,2	142,0	73,8
543	54352		30			
543	54353		35			
543	54354		40			
544	54451	25	25	153,2	154,0	79,8
544	54452		30			
544	54453		35			
544	54454		40			

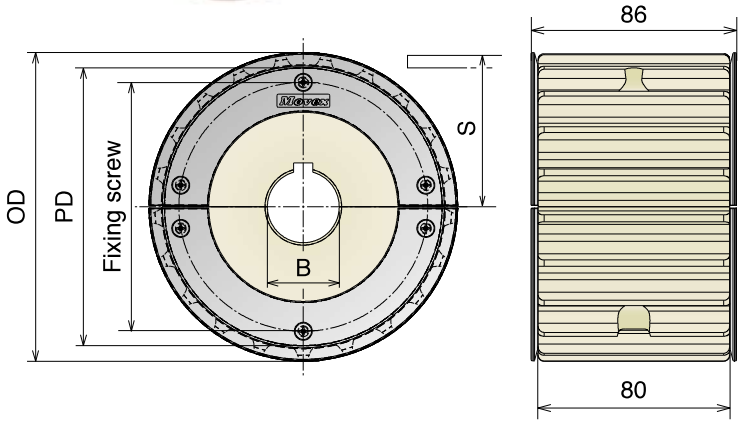
Improved Design and Performance

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 Ruota flangiata divisa, fresata
Split sprocket with guides, machined / Geteiltes Kettenrad mit Bordscheibe, gefräst

Anelli Inox / SS Guide-rings / Edelstahl Bordscheibe

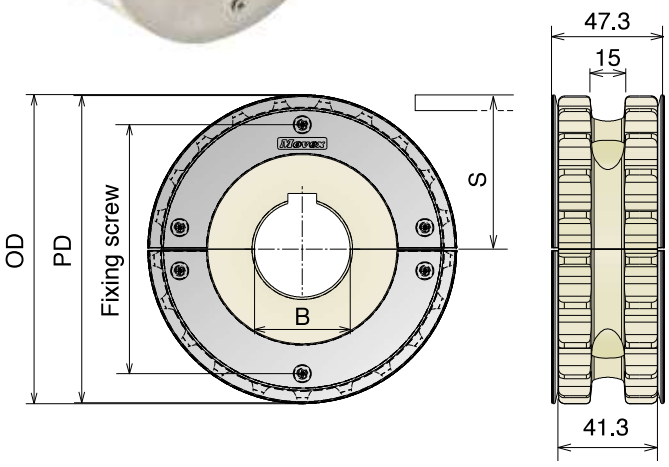
Part	Article-Nr.	Z-	Bore	PD	OD	S	Ø screw
523	52301G	21	25	129,3	129,0	67,8	104,0
523	52302G		30				
523	52303G		35				
523	52304G		40				
524	52401G	23	25	141,2	142,0	73,8	116,0
524	52402G		30				
524	52403G		35				
524	52404G		40				
525	52501G	25	25	153,2	154,0	79,8	128,0
525	52502G		30				
525	52503G		35				
525	52504G		40				



820 Ruota flangiata divisa, fresata
Split sprocket with guides, machined / Geteiltes Kettenrad mit Bordscheibe, gefräst

Anelli Inox / SS Guide-rings / Edelstahl Bordscheibe

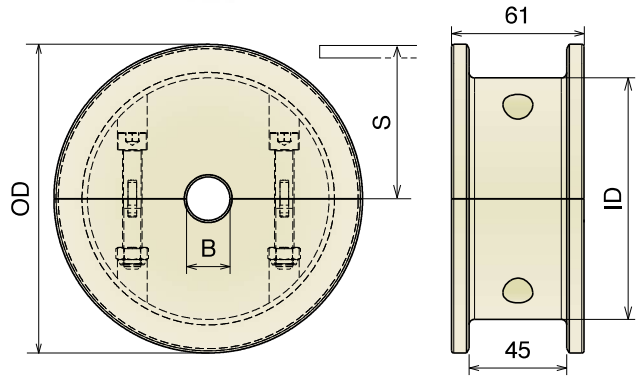
Part	Article-Nr.	Z-	Bore	PD	OD	S	Ø screw
537	53701G	21	25	129,3	129,0	67,8	104,0
537	53702G		30				
537	53703G		35				
537	53704G		40				
538	53801G	23	25	141,2	142,0	73,8	116,0
538	53802G		30				
538	53803G		35				
538	53804G		40				
539	53901G	25	25	153,2	154,0	79,8	128,0
539	53902G		30				
539	53903G		35				
539	53904G		40				



Materiale / *Material / Materialien:*
Poliammide/*Polyamide/Polyamid*
Viti: Acciaio inox/*Screws: Stainless steel/Schrauben: Edelstahl*
Dadi: ferro zincato/*Nuts: zinc plated steel/Mutter: verzinkter Stahl*
Dadi: ottone nichelato per stampate/Nuts: nickel plated brass for molded/Mutter: Messing vernickelt für gespritzt Version

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

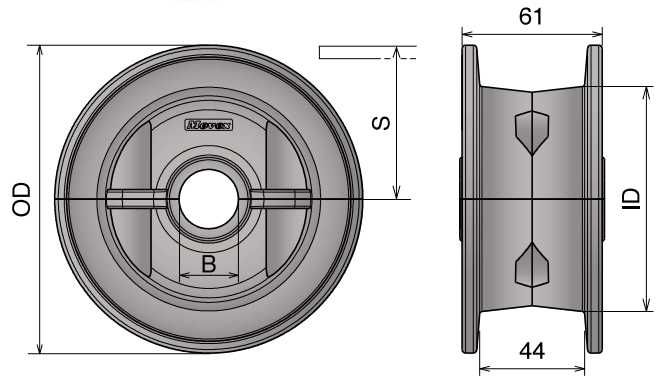
Also suitable for Series 881 M - 820 - 831 - 828 - 879 M - 880 M



Part	Article-Nr.	ecq. Z-	Bore	OD	ID	S
601	60100	17	20	104,0	75,2	56,2
601	60101		25			
601	60102		30			
601	60103		35			
601	60104		40			
602	60200	19	20	117,0	92,2	62,6
602	60201		25			
602	60202		30			
602	60203		35			
602	60204		40			
603	60300	21	20	129,8	105,0	68,6
603	60301		25			
603	60302		30			
603	60303		35			
603	60304		40			
604	60400	23	20	142,2	111,3	74,6
604	60401		25			
604	60402		30			
604	60403		35			
604	60404		40			
605	60500	25	20	154,7	124,7	80,5
605	60501		25			
605	60502		30			
605	60503		35			
605	60504		40			
606	60600	27	20	167,2	135,0	88,5
606	60601		25			
606	60602		30			
606	60603		35			
606	60604		40			
607	60700	29	20	179,3	140,0	92,8
607	60701		25			
607	60702		30			
607	60703		35			
607	60704		40			

815 Ruota rinvio liscia, divisa, stampata
Split idler wheel, molded / geteilte Umlenkrolle, gespritzt

Also suitable for Series 881 M - 820 - 831 - 828 - 879 M - 880 - 880 M



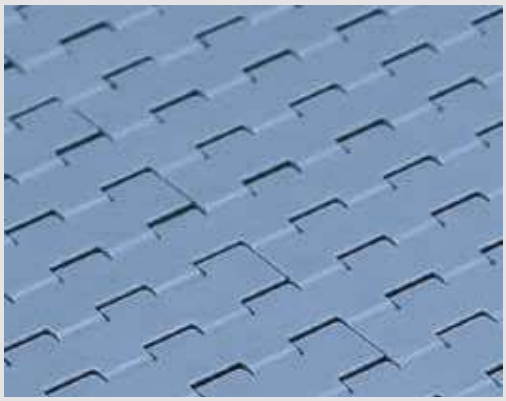
Part	Article-Nr.	ecq. Z-	Bore	OD	ID	S
608	60801	21	25	129,8	94,8	68,6
608	60802		30			
608	60803		35			
608	60804		40			
609	60901	23	25	142,2	99,3	74,6
609	60902		30			
609	60903		35			
609	60904		40			
610	61001	25	25	154,7	102,0	80,5
610	61002		30			
610	61003		35			
610	61004		40			

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.

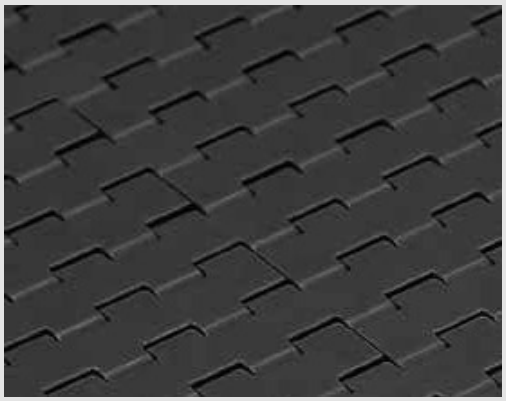
Friction Factors Between Material and Product

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.

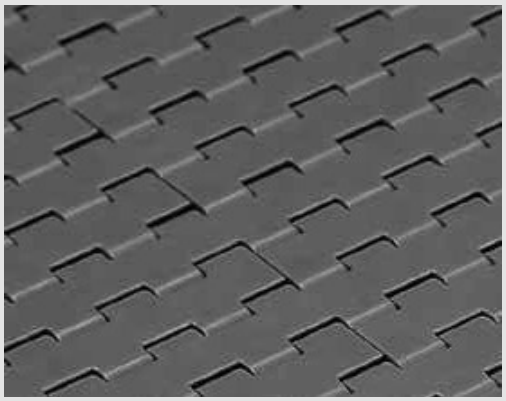
Friction Factors Between Material and Product

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

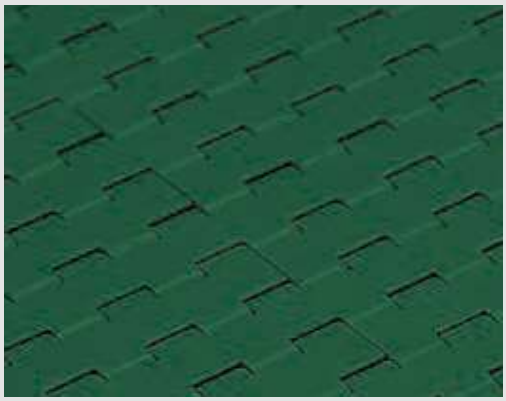
Lubrification	Product Material					
	Paper & carton	Metal (steel)	Aluminium	Plastics & PET	Glass (returnable)	Glass (new)
Dry	0,40	0,30	0,32	0,28	0,29	0,26
Water	n.a.	0,24	0,26	0,22	0,23	0,21
W&s & Dry lube	n.a.	0,20	0,20	0,18	0,19	0,18
Oil	n.a.	0,10	n.a.	n.a.	n.a.	n.a.

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.