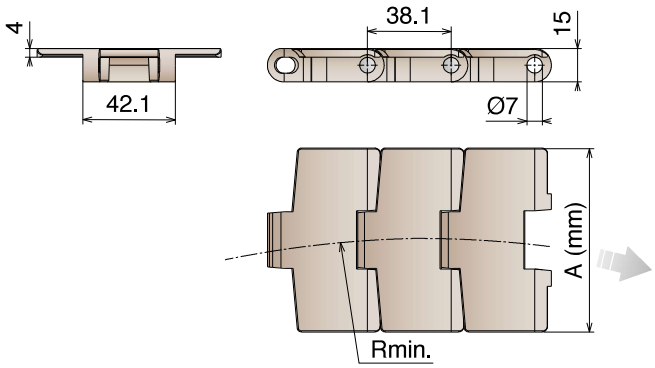
880 M

Catena curvilinea
Sideflexing chain / Kurvengängige Scharnierbandkette

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



Magnetic System

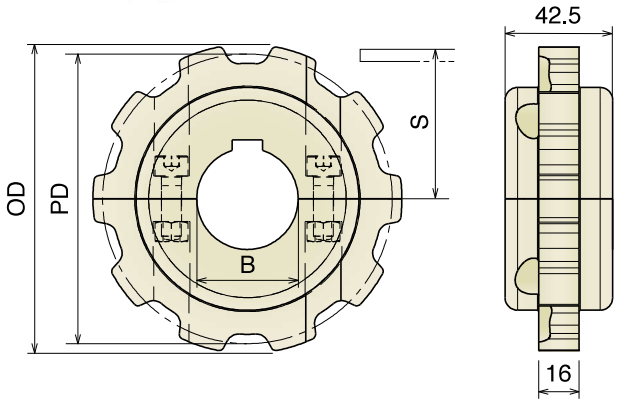
10 feet 3.048 m | 80 links | pg. 90-91/104 | pg. 111>125 | pg. 464->471

Article-Nr.	Ref.	A (Plate Width) mm	R mm	Weight kg/m	Max working load (N)	Material
11100102	LF 880 M K325	82,5	500	1,05	2200	LF
11100103	LF 880 M K330	83,8	457	1,09		
11100105	LF 880 M K450	114,3	457	1,15		
11100302	MX 880 M K325	82,5	500	1,05	1750	MX
11100303	MX 880 M K330	83,8	457	1,09		
11100305	MX 880 M K450	114,3	457	1,15		
11102502	MPX 880 M K325	82,5	500	1,05	2200	MPX
11102503	MPX 880 M K330	83,8	457	1,09		
11102505	MPX 880 M K450	114,3	457	1,15		
11101602	DKM 880 M K325	82,5	500	1,05	2200	DKM
11101603	DKM 880 M K330	83,8	457	1,09		
11101605	DKM 880 M K450	114,3	457	1,15		
11101702	MWX 880 M K325	82,5	500	1,05	2200	MWX
11101703	MWX 880 M K330	83,8	457	1,09		
11101705	MWX 880 M K450	114,3	457	1,15		

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

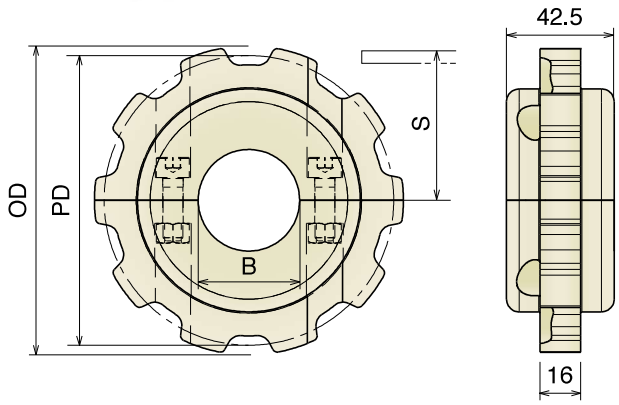
880 Ruota traino divisa, fresata
Split drive sprocket, machined / geteiltes Antriebskettenrad gefräst

Also suitable for Series 828 - 878 - 879 M - 879 TAB



Part	Article-Nr.	Z-	Bore	PD	OD	S
545	54501	9	25	111,4	110,0	59,3
545	54502		30			
545	54503		35			
545	54504		40			
546	54601	10	25	123,3	122,0	65,25
546	54602		30			
546	54603		35			
546	54604		40			
547	54701	11	25	135,2	135,0	71,2
547	54702		30			
547	54703		35			
547	54704		40			
548	54801	12	25	147,2	147,3	77,2
548	54802		30			
548	54803		35			
548	54804		40			

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



Part	Article-Nr.	Z-	Bore	PD	OD	S
545	54550	9	18*	111,4	110,0	59,3
545	54551		25			
545	54552		30			
545	54553		35			
545	54554		40			
546	54650	10	18*	123,3	122,0	65,25
546	54651		25			
546	54652		30			
546	54653		35			
546	54654		40			
547	54750	11	18*	135,2	135,0	71,2
547	54751		25			
547	54752		30			
547	54753		35			
547	54754		40			
548	54850	12	18*	147,2	147,3	77,2
548	54851		25			
548	54852		30			
548	54853		35			
548	54854		40			

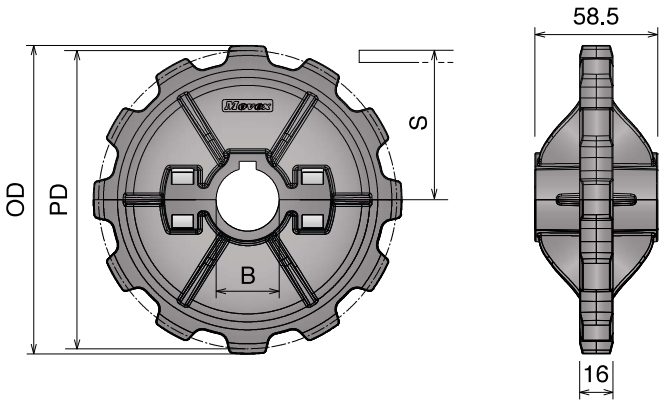
*Plain Bore

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

Also suitable for Series 828 - 878 - 879 M - 879 TAB

Part	Article-Nr.	Z-	Bore	PD	OD	S
549	54901	10	25	123,3	122,0	65,25
549	54902		30			
549	54903		35			
549	54904		40			
550	55001	12	25	147,2	147,3	77,2
550	55002		30			
550	55003		35			
550	55004		40			

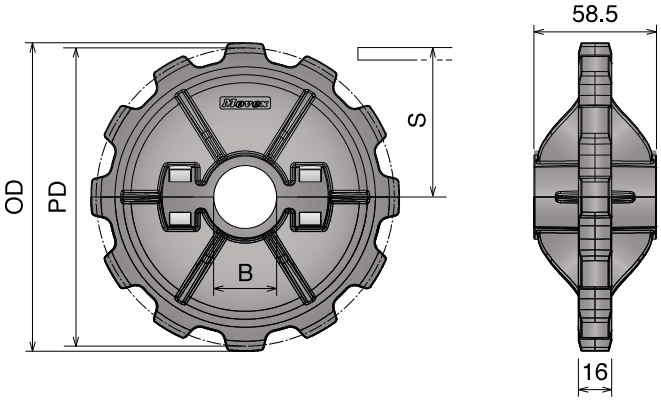
Improved Design and Performance



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

Part	Article-Nr.	Z-	Bore	PD	OD	S
549	54951	10	25	123,3	122,0	65,25
549	54952		30			
549	54953		35			
549	54954		40			
550	55051	12	25	147,2	147,3	77,2
550	55052		30			
550	55053		35			
550	55054		40			

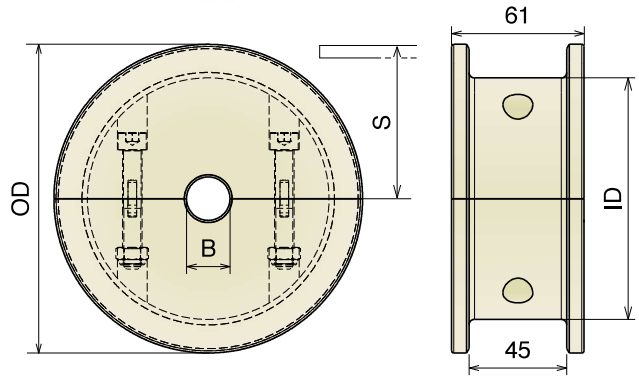
Improved Design and Performance



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

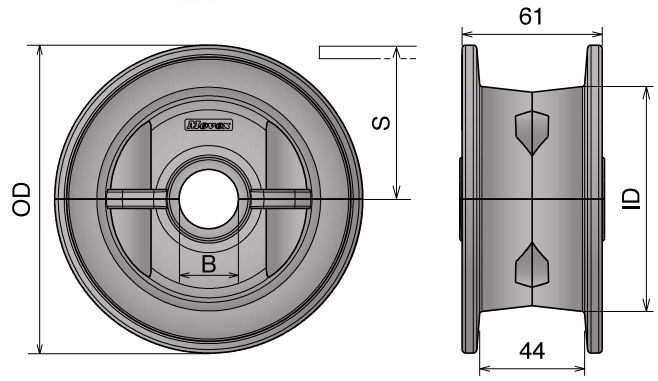
Also suitable for Series 881 M - 820 - 831 - 828 - 879 M - 880 M



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

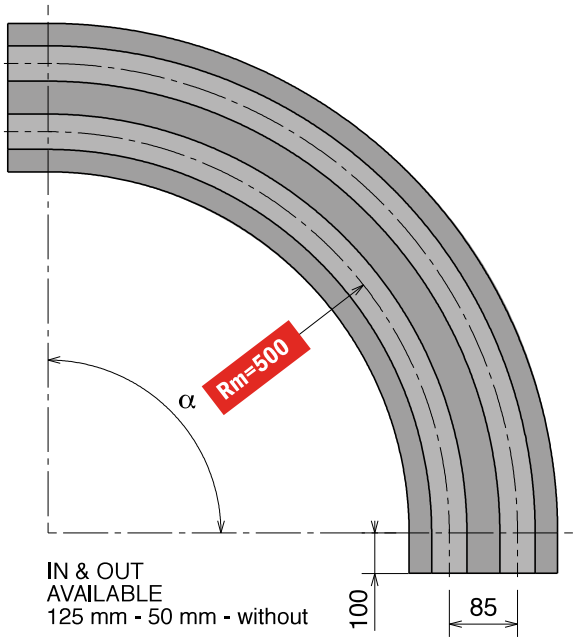


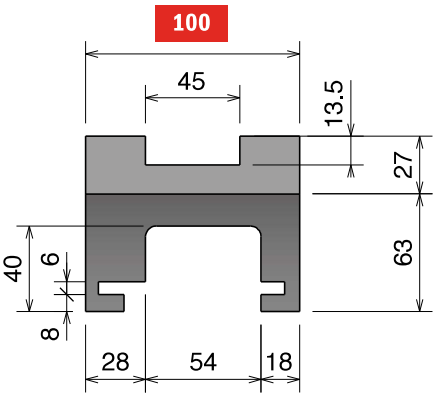
Part	Article-Nr.	ecq. Z-	Bore	OD	ID	S
608	60801	21	25	129,8	94,8	68,6
608	60802		30			
608	60803		35			
608	60804		40			
609	60901	23	25	142,2	99,3	74,6
609	60902		30			
609	60903		35			
609	60904		40			
610	61001	25	25	154,7	102,0	80,5
610	61002		30			
610	61003		35			
610	61004		40			

880-881 M6 Series

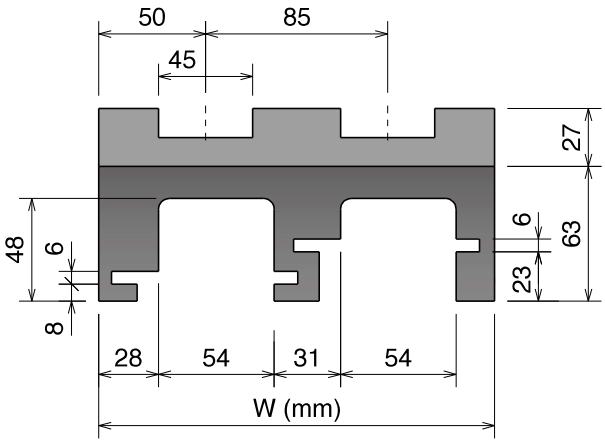
Chain Reference	879 M - K325	880 M - K325	880 M - K330	881 M - K325	881 M - K330

Curva Larghezza Base = 100 mm; Passo = 85 mm
Curve Basic Width = 100 mm; Pitch = 85 mm
Kurve Basisbreite = 100 mm; Teilung = 85 mm



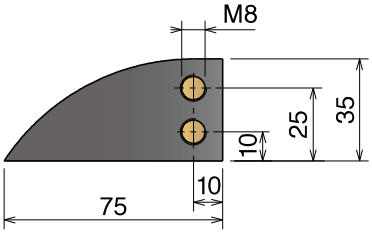


SINGLE TRACK



MULTI TRACK

Available in BluLub®



Magnetic System

Upper part available, on request, also in BluLub® and for abrasive applications.

Part	α 15°	α 30°	α 45°	α 60°	α 75°	α 90°	Tracks	W	Material
701	70111114	70111214	70111314	70111414	70111514	70111614	1	100	
701	70111124	70111224	70111324	70111424	70111524	70111624	2	185	
701	70111134	70111234	70111334	70111434	70111534	70111634	3	270	
701	70111144	70111244	70111344	70111444	70111544	70111644	4	355	
701	70111154	70111254	70111354	70111454	70111554	70111654	5	440	
701	70111164	70111264	70111364	70111464	70111564	70111664	6	525	
701	70111174	70111274	70111374	70111474	70111574	70111674	7	610	
701	70111184	70111284	70111384	70111484	70111584	70111684	8	695	

Standard codes on table

add "**B**" for BluLub®

add "**C**" for abrasive

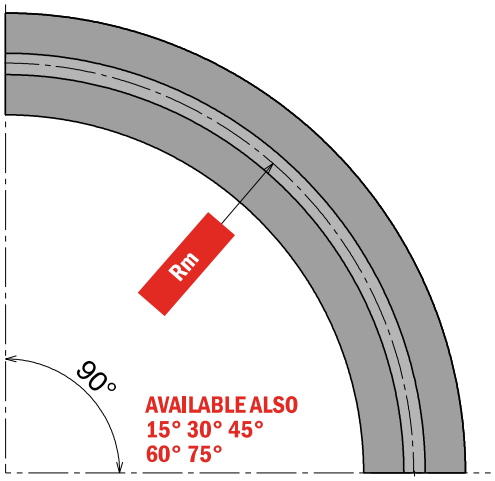
Part	α 15°	α 30°	α 45°	α 60°	α 75°	α 90°	Tracks	W	Material
701	70111114RS	70111214RS	70111314RS	70111414RS	70111514RS	70111614RS	1	100	
701	70111124RS	70111224RS	70111324RS	70111424RS	70111524RS	70111624RS	2	185	
701	70111134RS	70111234RS	70111334RS	70111434RS	70111534RS	70111634RS	3	270	
701	70111144RS	70111244RS	70111344RS	70111444RS	70111544RS	70111644RS	4	355	
701	70111154RS	70111254RS	70111354RS	70111454RS	70111554RS	70111654RS	5	440	
701	70111164RS	70111264RS	70111364RS	70111464RS	70111564RS	70111664RS	6	525	
701	70111174RS	70111274RS	70111374RS	70111474RS	70111574RS	70111674RS	7	610	
701	70111184RS	70111284RS	70111384RS	70111484RS	70111584RS	70111684RS	8	695	

RS add "**RS**" for RS-version

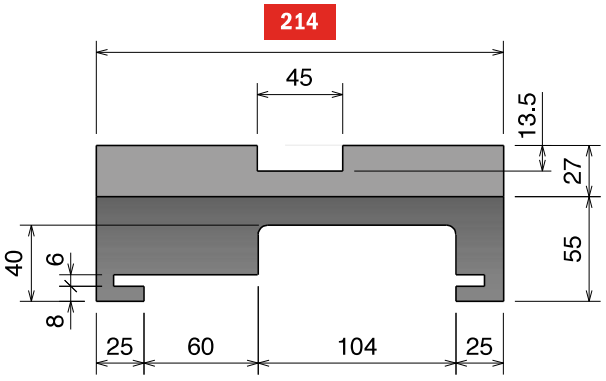
880-881 K750 *M62/66/65 Series*

Chain Reference	880 M - K750	881 M - K750

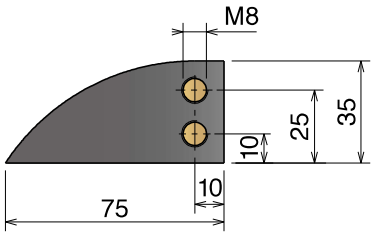
Curva Larghezza Base = 214 mm
Curve Basic Width = 214 mm
Kurve Basisbreite = 214 mm



IN & OUT
AVAILABLE ALSO
125 mm - 100 mm - 50 mm



Available in BluLub®



Magnetic System

Upper part available, on request, also in BluLub® and for abrasive applications.

Part	Article-Nr.	Tracks	W	R	Material
707	**70716610**	1	214	750	
707	**70718610**	1	214	860	
707	**70719610**	1	214	1000	

Standard codes on table

add "**B**" for BluLub®

add "**C**" for abrasive

Part	Article-Nr.	Tracks	W	R	Material
707	**70716610RS**	1	214	750	
707	**70718610RS**	1	214	860	
707	**70719610RS**	1	214	1000	

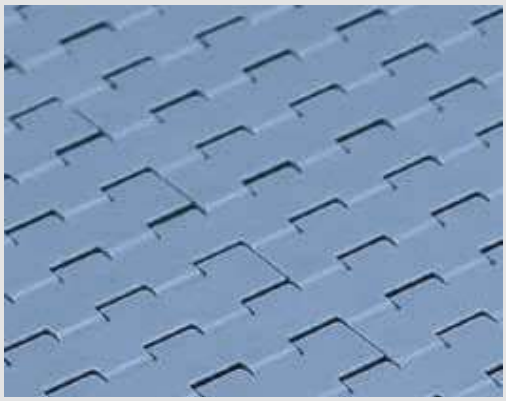
RS
add "**RS**" for RS-version

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.

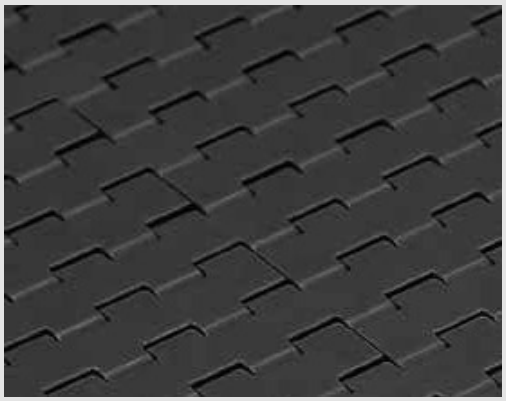
Friction Factors Between Material and Product

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.

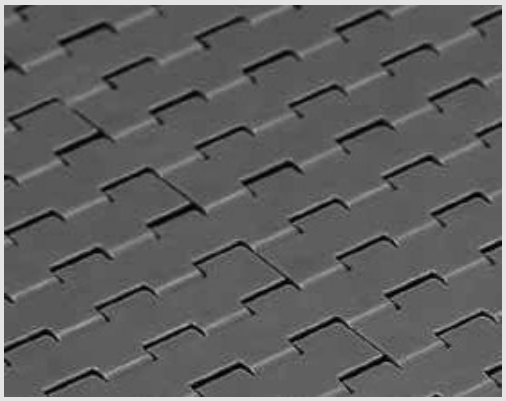
Friction Factors Between Material and Product

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

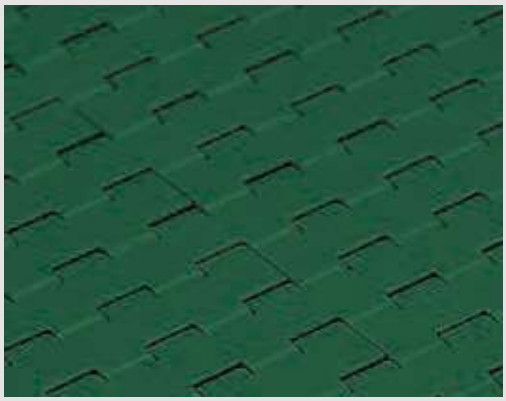
Lubrification	Product Material					
	Paper & carton	Metal (steel)	Aluminium	Plastics & PET	Glass (returnable)	Glass (new)
Dry	0,40	0,30	0,32	0,28	0,29	0,26
Water	n.a.	0,24	0,26	0,22	0,23	0,21
W&s & Dry lube	n.a.	0,20	0,20	0,18	0,19	0,18
Oil	n.a.	0,10	n.a.	n.a.	n.a.	n.a.

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.