Rexnord TableTop and MatTop Chains

Engineering Manual

SAFETY CONSIDERATIONS

Product Safety:

Products designed and manufactured by Rexnord are capable of being used in a safe manner; but Rexnord cannot warrant their safety under all circumstances.

Purchaser must install and use the products in safe and lawful manner in compliance with applicable health and safety regulations and laws and general standards of reasonable care; and if purchaser fails to do so, purchaser shall indemnify Rexnord from any loss, cost or expense resulting directly or indirectly from such failure.

Safety Devices:

Products are provided with only safety devices identified herein. It is the responsibility of the purchaser to furnish appropriate guards for machinery parts in compliance with MSHA or OSHA Standards, as well as any other safety devices desired by Purchaser and/or required by law; and if purchaser fails to do so, purchaser shall indemnify Rexnord from all loss, cost or expense resulting directly or indirectly from such failure.

General Safety Precautions:

- To avoid personal injury, all machinery must be turned off and locked out, prior to chain installation, inspection, maintenance and removal
- Always use safety glasses to protect eyes. Wear protective clothing, gloves and safety shoes
- Support the chain to prevent uncontrolled movement of the chain and parts
- Maintain tools in proper condition and assure their proper use. Use of chain assembly tools is recommended when applicable
- Do not attempt to connect or disconnect chain unless chain construction is clearly known and understood
- Do not re-use any sections of damaged chain because they may have been overloaded and weakened

If any flame cutting, welding, etc. is to occur in the conveyor vicinity, take adequate precautions to insure that no burning of any chain or other components occurs. If adequate protection cannot be provided, remove the chain and other plastic components from the conveyor and store in a safe location. Thermoplastic and similar materials can burn and give off toxic fumes.
Do not install, operate or perform maintenance on these products until you read and understand the instructions contained in this manual.

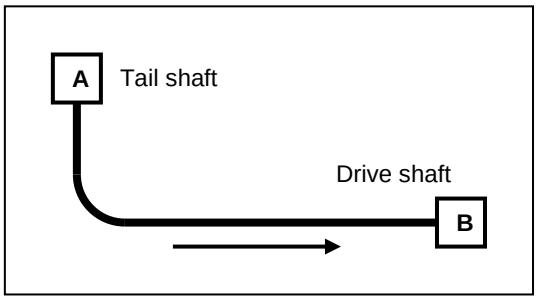
Sideflexing Belts

Basic design considerations

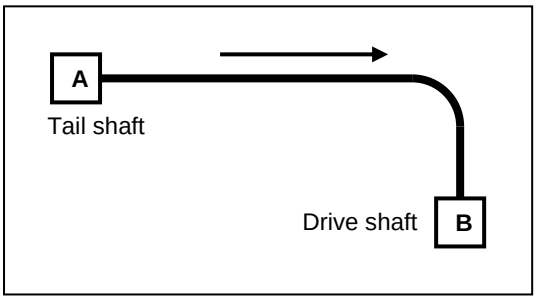
Side flexing configuration

When planning the side-flexing conveyor layout, the designer must consider the following factors that affect chain life:

- Minimize the number of corners in each conveyor whenever possible
- When conveying from point A to point B, design the conveyors so that the last curve is positioned furthest from the last drive (see drawing), resulting in lower chain tension and maximizing chain life



Preferred

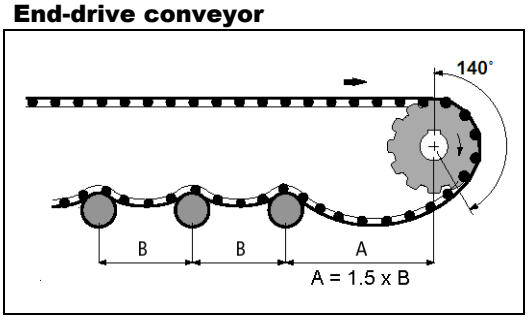


Avoid

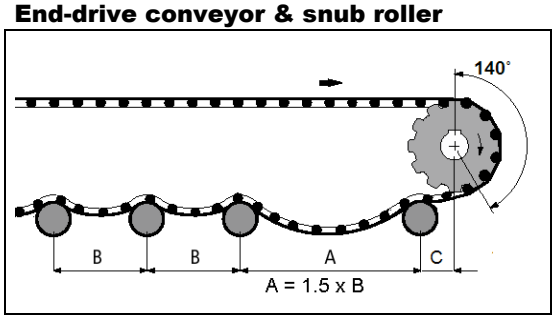
End drive construction

These conveyors have the drive-motor and sprocket at the end of the conveyor.

End-drive conveyor

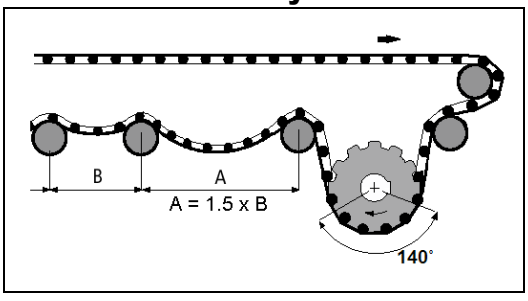


End-drive conveyor & snub roller



C should be 150-250mm

Centre-drive conveyor



Wrap around angle

Recommended wrap angle on sprockets is: **140º +/- 10º.**
When the wrap angle is too small, the sprocket will not be able to transfer the load to the chain anymore causing the chain/belt to jump on the sprockets. When the wrap angle is too big, the chain/belt can stick to the sprocket.

Slip stick / Pulsating effects

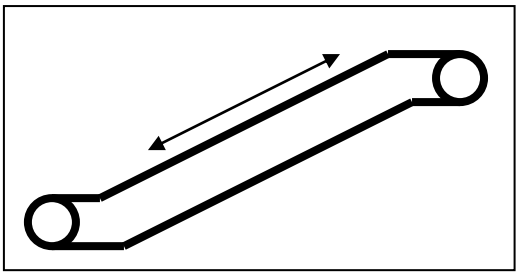
Slip-stick is the changeover from static friction to dynamic friction. Stick-slip can be caused for example by uneven lubrication, long track length, frequency inverters at low frequency or vibrations from the chain return. Slip-stick effects can cause a pulsating chain operation.

We have the experience that with long, low speed conveyors, the chance of a pulsating operation increases.

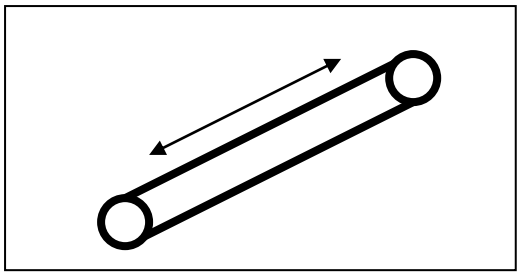
To avoid stick-slip, try to influence the points named above. Please contact application engineering whether you need further help.

Inclining / declining conveyor configuration

Slatband chains can be used on in- or declined conveyors which are basically constructed in the same way as level conveyors. Main concern is to avoid that the products slide down or tip. Conveyors can be constructed with a level in/outfeed section, see below.



Level in/outfeed



No in/oufeed

We recommend a minimum level section of 1 meter. This eliminates the chance that the chain is lifted out of the curve.

Max. possible angle

The maximum possible angle is depending on several factors: Coefficient of friction between chain and product; acceleration/deceleration; product stability and external factors like dirt or debris. Below a general table is shown with maximum angles determined by belt friction.

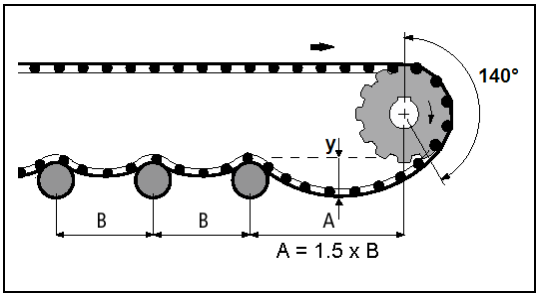
Maximum angles inclines / declines		
Chain type	**Lubricated**	**Dry running**
Plastic modular belts	2.5º	4.5º
Rubbertop belts	9º	20º
Variations can vary due to actual circumstances.		

Please contact Application Engineering for further information.

Sideflexing Belts

Catenary sag

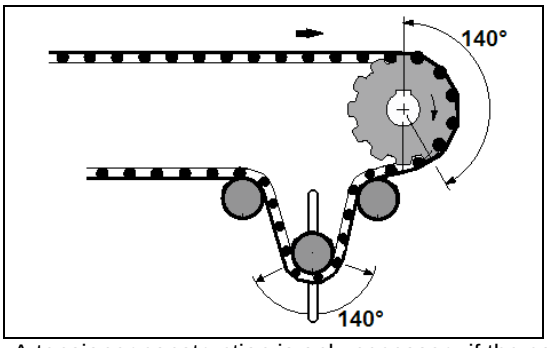
It is recommended to create a catenary sag which provides a complete discharge of the load on the belt.



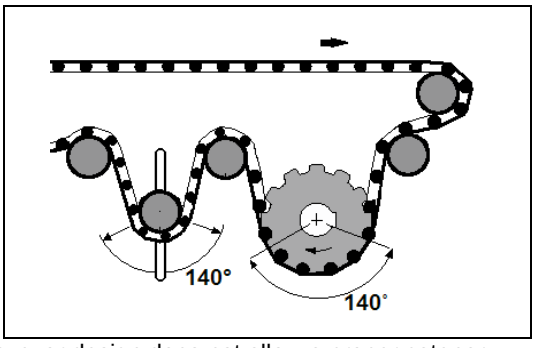
type	A (mm)	B (mm)	Vertical sag Y(mm)
505-series	700	500	50-125
1255-series	600	500	50-125
1265-series	600	500	50-125
1275-series	600	500	50-125
1285-series	600	500	50-125
7956-series	600	500	75-150

The right vertical catenary sag can usually be obtained automatically by just pulling both ends of the belt together and connecting them. The catenary sag will increase due to elevated temperatures. Furthermore, the belt can elongate due to strain and wear of the pins and hinge eyes. Therefore it is important to check and adjust the catenary regularly.

End drive with tensioner



Centre drive with tensioner



A tensioner construction is only necessary if the conveyor design does not allow a proper catenary sag due to lack of space. A tensioner can also be used with declined conveyors, but in all other cases it is not recommend to tension the chain/belt.

NOTE: The tensioner roller/sprocket can be fixed on an arm or move up and down in slots in the conveyor sideplates.

Compact Radius System

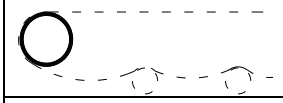
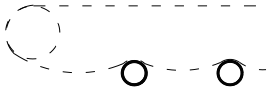
For special applications which require no in- and outfeed we have our Compact Radius System available.
Please refer to the special design manual for further information on this system

Maximum speed sideflexing belts

The maximum speed of a sideflexing belt depends on the PV-value of the curve. This PV-value represents a combination of pressure and velocity with a specific limit. Please contact application engineering if you require support in determining the PV-limit and maximum speed of an application. A maximum speed of 40 m/min is recommended. For higher speeds please contact application engineering.

Sideflexing Belts

Roller diameter for sideflexing belts

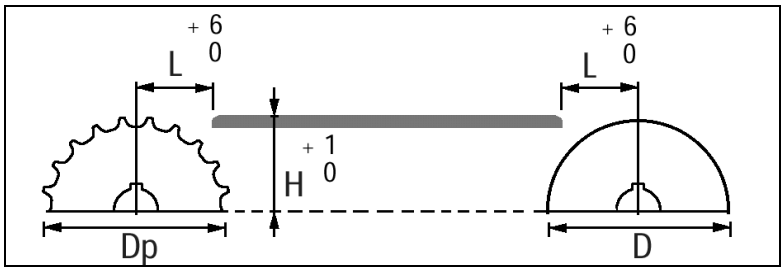
Belttype	505-series	1255-series	1265-series	1275-series	1285-series	7956-series
	All dimensions in mm					
Idler rollers 	>30	>60[1]	>60[1]	>60[1]	>60[1]	Depends on execution
Return rollers 	60-100	60-100	60-100	60-100	60-100	60-100
Backflex rollers 	> 30	> 80	> 80	> 80	> 80	> 300

[1] For long conveyors with high load we recommend to use a roller with a diameter of 80mm.

The recommended roller diameters in the table are an indication. The width of the conveyor is not taken into account. The diameter of the shaft should be large enough to avoid excessive deflection of the roller. At the same time it is recommended not to exceed the maximum diameter, because the roller friction may be too heavy to be set in motion by the belt.

Position sprocket - wearstrips

When the belts enter the sprocket, it tends to rise and fall slightly (chordal action). For this reason the sprockets should be mounted in such a way that their highest point is no higher than the top of the wearstrips. The front edges of the wearstrips should be chamfered to allow smooth and free running of the chain. The distance from the end of the wearstrip to the sprocket shaft centerline should equal dimension L, otherwise the wearstrip will interfere with the free articulation of the chain as it enters the sprockets.

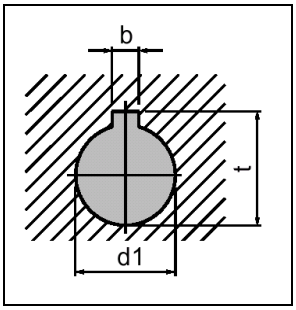


Belt type	Drive sprocket H (mm)	L mm
505-series	$\frac{Dp}{2}$ -6.35	12.7
1255-series	$\frac{Dp}{2}$ -6.35	32.0
1265-series	$\frac{Dp}{2}$ -6.35	32.0
1275-series	$\frac{Dp}{2}$ -6.35	32.0
1285-series	$\frac{Dp}{2}$ -6.35	32.0
7956-series	$\frac{Dp}{2}$ -6.35	32.0

Idler roller H (mm)	L mm
$\frac{Dp}{2}$	12.7
$\frac{Dp}{2}$	32.0
$\frac{Dp}{2}$	32.0
$\frac{Dp}{2}$	32.0
$\frac{Dp}{2}$	32.0
$\frac{Dp}{2}$	32.0

Sideflexing Belts

Keyway dimensions of MCC sprockets



d1 (mm)	b (mm)	t (mm)
25mm	8	28.3
30mm	8	33.3
35mm	10	38.3
40mm	12	43.3
45mm	14	48.8
50mm	14	53.8
60mm	18	64.4

d1 (inch)	b (inch)	t (inch)
1"	1/4	1 1/8
1 1/4"	1/4	1 3/8
1 1/2"	3/8	1 9/16
1 3/4"	3/8	1 15/16
2"	1/2	2 1/4

Wearstrip materials

Stainless steel wearstrips

Can be used in most situations using plastic belts and are strongly recommended in abrasive environments.

- Recommended for abrasive conditions due to avoiding of dirt embedding in the wearstrips;
- Recommended for plastic chains/belts in dry environments with speeds > 60m/min;
- Cold rolled stainless steel with a hardness of at least 25 Rc and a surface finish of maximum 1.6 µm is recommended;
- Best results can be achieved by using stainless steel AISI 431 (Werkstoff-Nr. 1.4057 material; soft AISI 304 (Werkstoff-Nr. 1.4301) is not recommended as wearstrip material.

UHMWPE / ULF wearstrips

Friction is low compared to steel wearstrips. Two types of plastic are suitable to be used as a wearstrip material.

- Most common used wearstrip material with extreme low friction;
- Excellent resistance against many chemicals;
- Virtually no moisture absorption, therefore very suitable for lubricated lines;
- Good dimension stability;
- Reduces some of the noise conveyors produce;
- Suitable for dry running conveyors with speeds up to m/min (M E) or up to 60 m/min (U);
- Extruded quality 1000 grade UHMWPE is recommended.

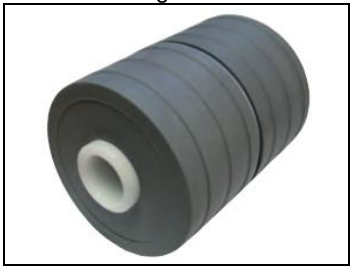
Recommended wearstrip materials

Wearstrip material	Plastic modular belts	
	Dry	Lubr.
UHMWPE / ULF	+	+
Polyamide	+/-	-
Stainless steel	+	+

\+ Recommended
+/- Satisfactory
\- Not recommended
[1] Up to 60 m/min in non abrasive conditions
[2] Only in non abrasive conditions

Belt return

For sideflexing belts we recommend to use rotating rollers for the returnpart to reduce wear.



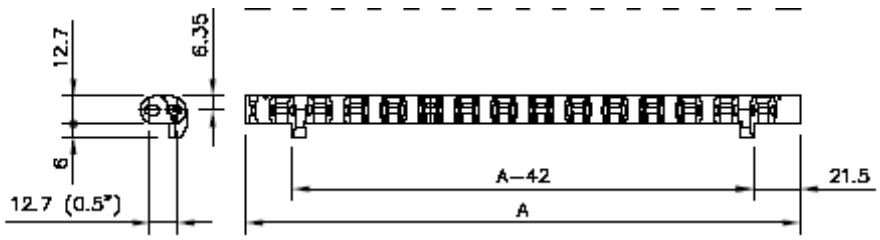
\+ Simple construction.
\+ Good accessibility

– Only point contact between chain/ belt and roller.
– Small rollers may cause a rattling sound.

Rollers should rotate freely therefore, rollers with rubber cover are recommended.

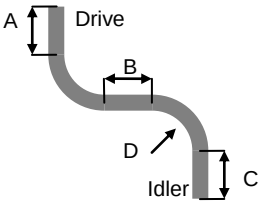
RBP 505-Series

Beltstyle RBP 505-series



Minimum backflex diameter: 30mm
Minimum end roller diameter: 30mm

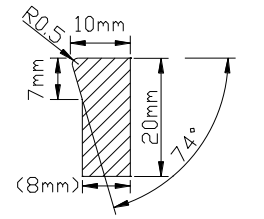
Lay-out Guidelines



A	**Minimum straight section drive side*** For belt width <500mm: minimal 500mm. For belt width >500mm: minimal belt width.
B	**Minimum straight in between 2 curves (S-bend)** 1.5 x belt width
C	**Minimum straight section idler side** 500mm
D	**Minimum inside radius** 2 x belt width

* For centre-drive add 200mm.

MCC guiding Profile RBP 505-series

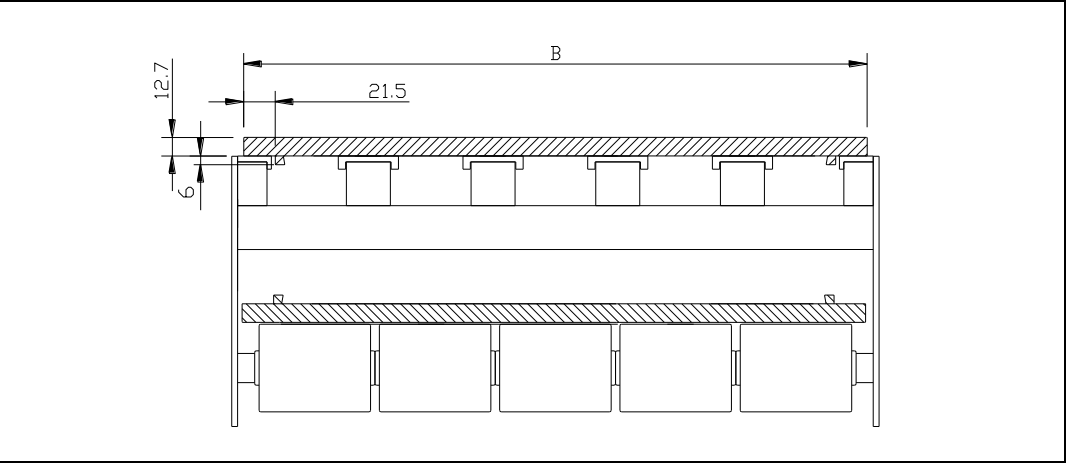


The MCC guiding profile should be used to guide the belt through the curve. Material of the guiding strip is special polyamide, which offers low friction and high wear resistance.

Standard:
Codenr. **10144189** (length of 3m, MCC 3500)
FDA-approved:
Codenr. **10318501** (length of 2m, MCC 3600)
ULF:
Codenr. **10383606** (length of 3m, MCC 4000)

Straight section RBP 505-series

Below a cross section drawing is shown with recommended straight section construction

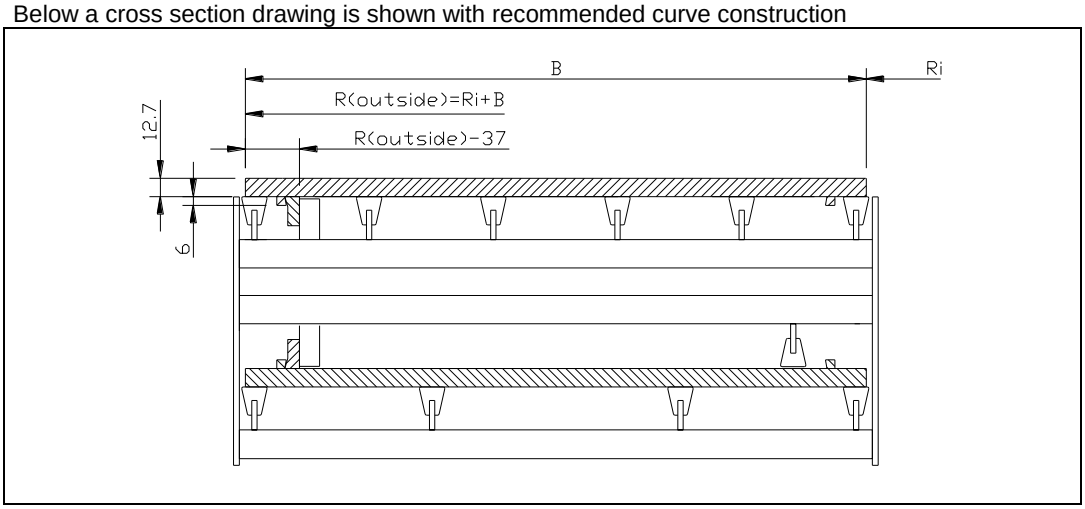


Please make sure there is enough space between belt and conveyor / surrounding area.
Sideguides can prevent the belt from touching the conveyor sheet, especially after the curves.

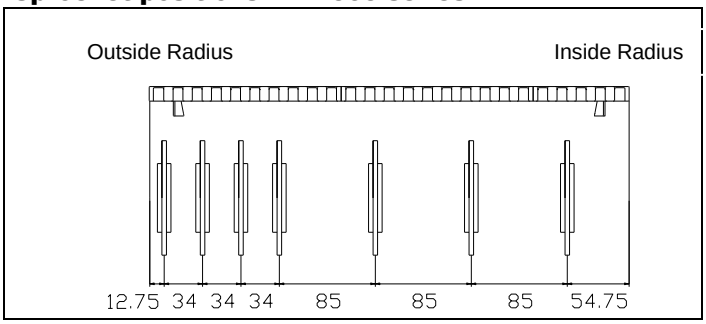
RBP 505-Series

Curve section RBP 505-series

Below a cross section drawing is shown with recommended curve construction

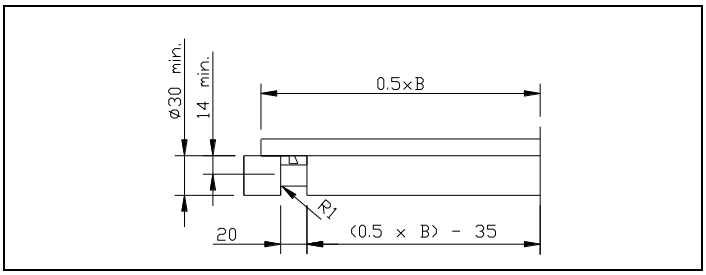


Sprocket positions RBP 505-series



Belt width	Nr. of sprockets	
	Drive	Idler
170 mm	4	2
255 mm	5	3
340 mm	6	4
425 mm	7	5
510 mm	8	6
595 mm	9	7
680 mm	10	8

Roller dimension RBP 505-series



Rollers should rotate freely at all times; therefore we strongly recommend to equip the rollers with bearings.

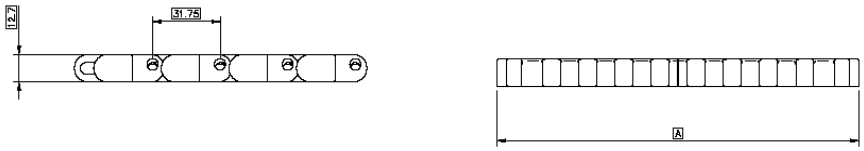
*) For high loads (>500 N) or wide belts (>510 mm) use bigger shaft diameter and/ or support the shaft in the centre

Additional Notes

- Complete machined UHMPWE curves including curve profiles are available in any angle and for any belt width.
- Please note that the catenary sag can increase under load. Make sure the belt cannot catch against the sideframe in the retourpart taking increased catenary into account.

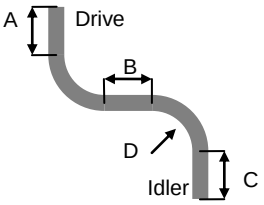
RB 1255-Series

Beltstyle RB 1255-series



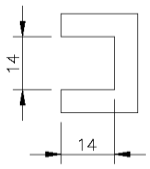
Minimum backflex diameter: 60mm
Minimum end roller diameter: 60mm

Lay-out Guidelines



A	**Minimum straight section drive side** 750mm with normal drive, 500mm width gravity tensioner.
B	**Minimum straight in between 2 curves (S-bend)** 1.5*belt width
C	**Minimum straight section idler side** 500mm
D	**Minimum inside radius** 2 * belt width

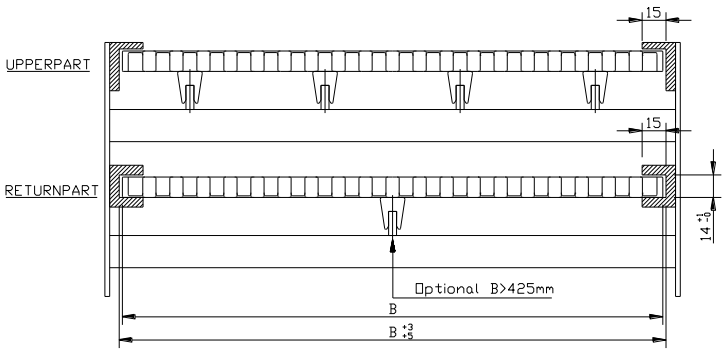
Recommended guiding Profile dimensions for RB 1255-series



The guiding profile should be used to guide the belt through the curve. We recommend to use a c-profile according to the drawings dimension. Recommended material of the guiding strip is Nylatron which offers low friction and high wear resistance. UHMWPE can also be used.

Straight section RB 1255-series

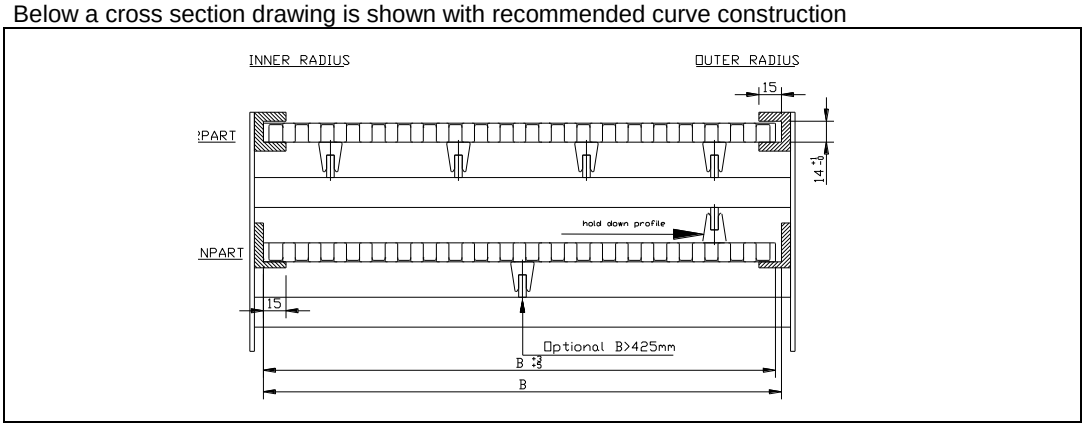
Below a cross section drawing is shown with recommended straight section construction



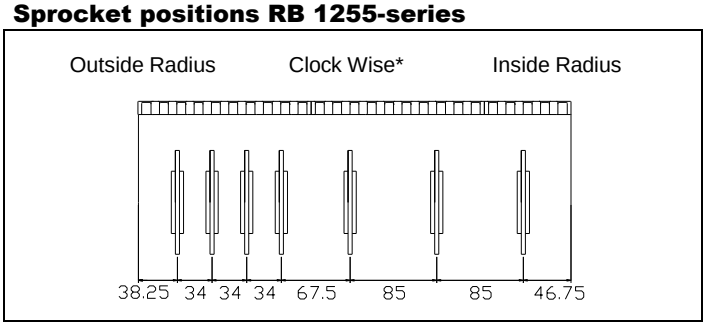
RB 1255-Series

Curve section RB 1255-series

Below a cross section drawing is shown with recommended curve construction



Sprocket positions RB 1255-series



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	Drive	Idler
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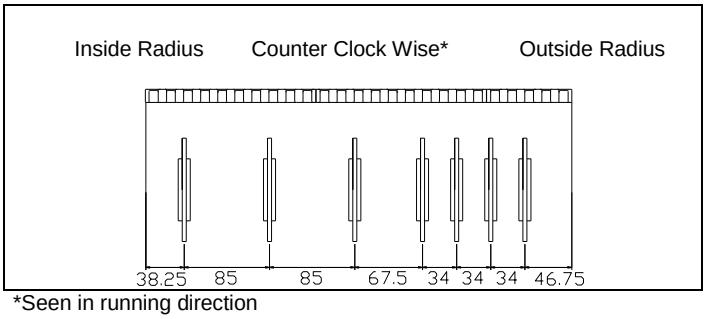
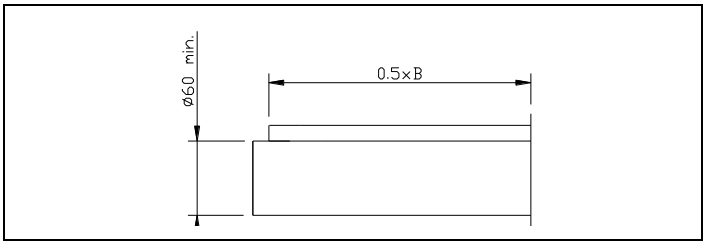
425 mm	7	5
510 mm	8	6
595 mm	9	7
680 mm	10	8



*Seen in running direction

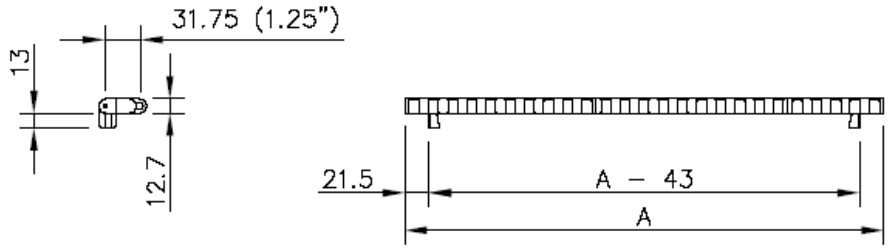
Roller dimension RB 1255-series



Rollers should rotate freely at all times; therefore we strongly recommend to equip the rollers with bearings.

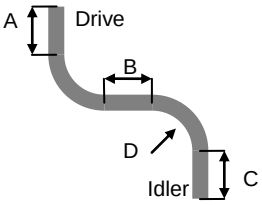
RBP 1255-Series

Beltstyle RBP 1255-series



Minimum backflex diameter: 60mm
Minimum end roller diameter: 60mm

Lay-out Guidelines



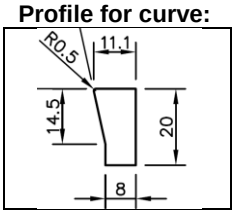
A	**Minimum straight section drive side** 750mm with normal drive, 500mm width gravity tensioner.
B	**Minimum straight in between 2 curves (S-bend)** 1.5 * beltwidth
C	**Minimum straight section idler side** 500mm
D	**Minimum inside radius** 2 * beltwidth

MCC guiding Profile RBP 1255-series

The MCC guiding profile should be used to guide the belt through the curve and along the frame.
There are 2 materials available:

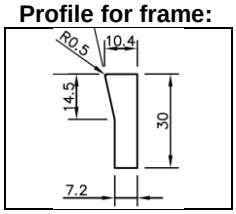
- MCC3500: Special polyamide
- MCC4000: Ultra Low Friction UHMWPE

Profile for curve:



Standard:
Codenr. 10341541
(length of 3m, MCC3500)
ULF:
Codenr. 10383604
(length of 3m, MCC4000)

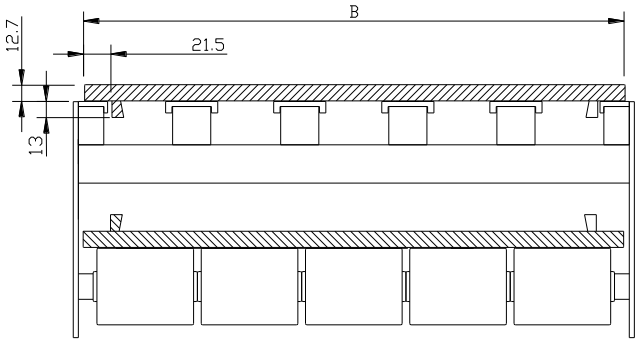
Profile for frame:



Standard:
Codenr.10361334
(length of 1.8m, MCC3500)
ULF:
Codenr. 103836610
(length of 3m, MCC4000)

Straight section RBP 1255-series

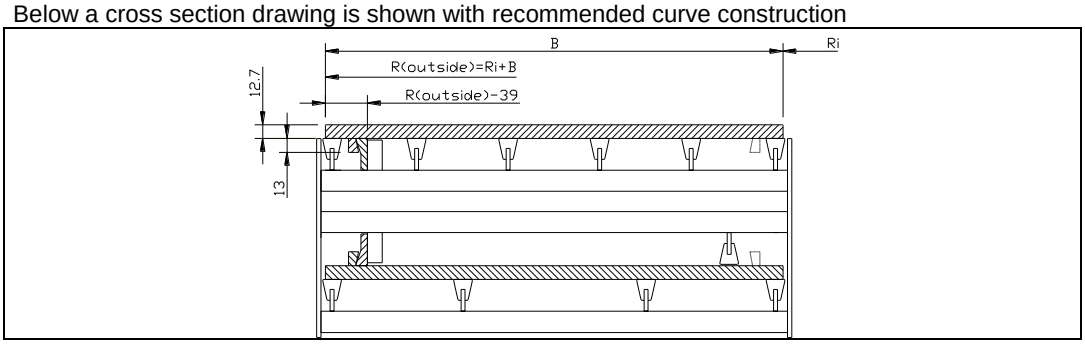
Below a cross section drawing is shown with recommended straight section construction



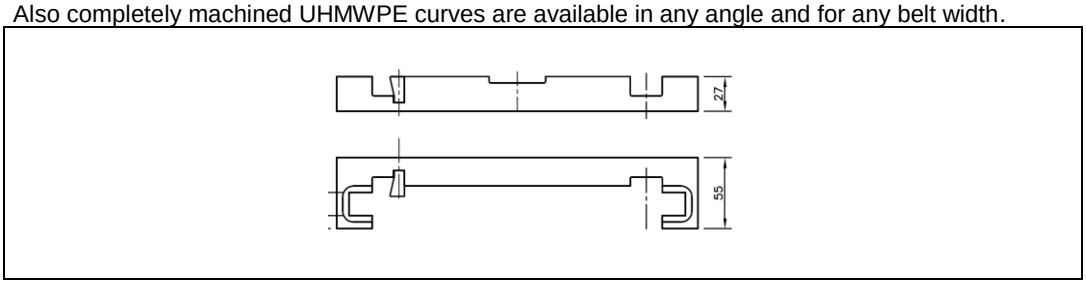
RBP 1255-Series

Curve section RBP 1255-series

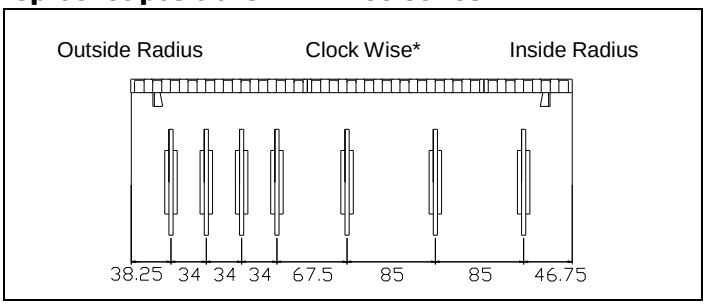
Below a cross section drawing is shown with recommended curve construction



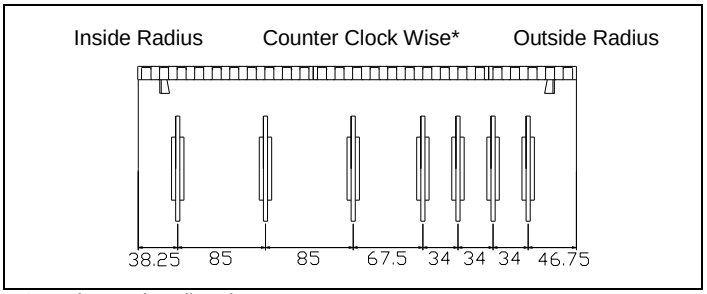
Also completely machined UHMWPE curves are available in any angle and for any belt width.



Sprocket positions RBP 1255-series

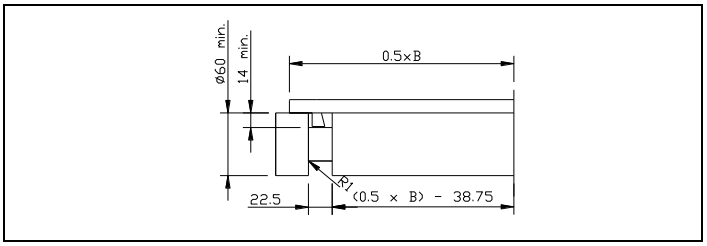


Belt width	Nr. of sprockets	
	Drive	Idler
170 mm	3	2
255 mm	5	3
340 mm	6	4
425 mm	7	5
510 mm	8	6
595 mm	9	7
680 mm	10	8



*Seen in running direction

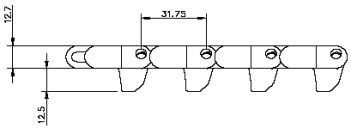
Roller dimension RBP 1255-series

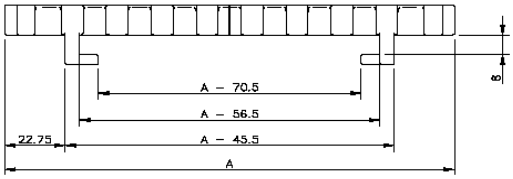


Rollers should rotate freely at all times; therefore we strongly recommend to equip the rollers with bearings.

RBT 1255-Series

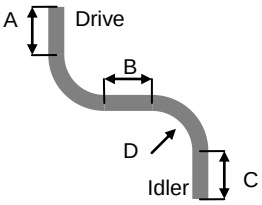
Beltstyle RBT 1255-series





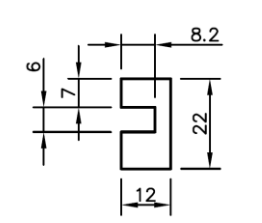
Minimum backflex diameter: 60mm
Minimum end roller diameter: 60mm

Lay-out Guidelines



A	**Minimum straight section drive side** 750mm with normal drive, 500mm with gravity tensioner.
B	**Minimum straight in between 2 curves (S-bend)** 1.5*belt width
C	**Minimum straight section idler side** 500mm
D	**Minimum inside radius** 2 * belt width

Recommended guiding Profile dimensions for RBT 1255-series



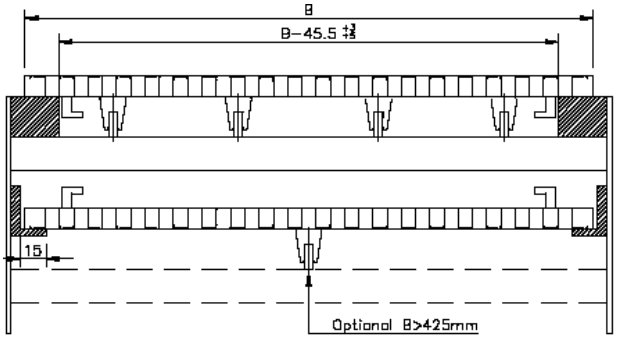
The MCC guiding profile should be used to guide the belt through the curve and along the frame. There are 2 materials available:

- MCC3500: Special polyamide
- MCC4000: Ultra Low Friction UHMWPE

Standard:
Codenr. 10341543 (length of 3m)
ULF:
Codenr. 10383613 (length of 3m)

Straight section RBT 1255-series

Below a cross section drawing is shown with recommended straight section construction

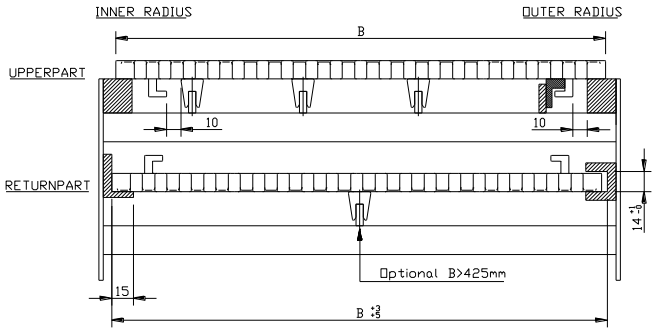


*) For the returnpart, also rotating rollers can be used.

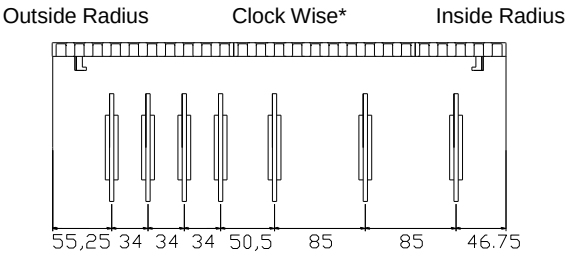
RBT 1255-Series

Curve section RBT 1255-series

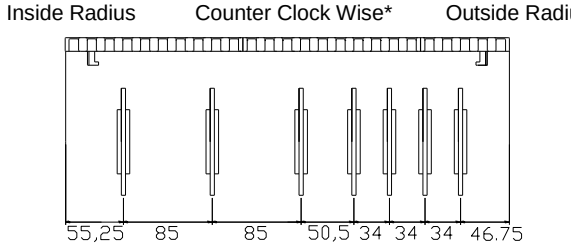
Below a cross section drawing is shown with recommended curve construction



Sprocket position RBT 1255-series

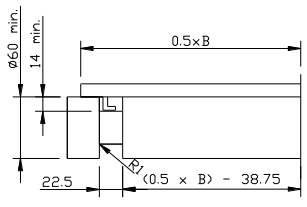


Belt width	Nr. of sprockets	
	Drive	Idler
170 mm	3	2
255 mm	5	3
340 mm	6	4
425 mm	7	5
510 mm	8	6
595 mm	9	7
680 mm	10	8



*Seen in running direction

Roller dimension RBT 1255-series



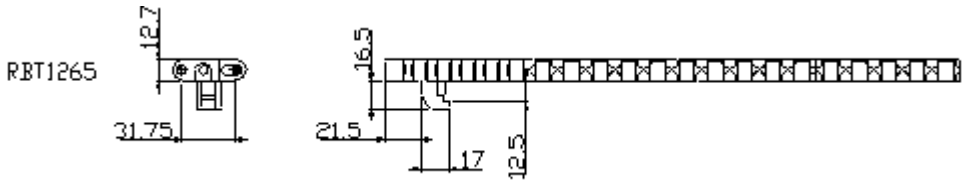
Rollers should rotate freely at all times; therefore we strongly recommend to equip the rollers with bearings.

Additional Notes

- Complete machined UHMWPE curves including curve profiles are available in any angle and for any belt width

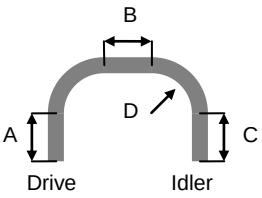
RBT 1265-Series

Beltstyle 1265-series



Minimum backflex diameter: 60mm
Minimum end roller diameter: 60mm

Lay-out Guidelines



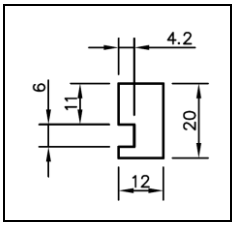
A	**Minimum straight section drive side** 750mm with normal drive, 500mm with gravity tensioner.
B	**Minimum straight in between 2 curves (No S-bend!)** No minimum straight needed
C	**Minimum straight section idler side** 500mm
D	**Minimum inside radius** 2 * belt width

MCC guiding Profile 1265-series

The MCC guiding profile should be used to guide the belt through the curve and along the frame.
There are 2 materials available:

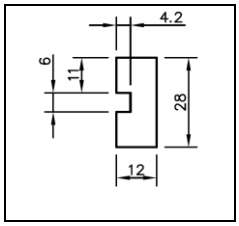
- MCC3500: Special polyamide
- MCC4000: Ultra Low Friction UHMWPE

Profile for curve:



Standard:
Codenr. 10341542
(length of 2.8m, MCC3500)
ULF:
Codenr. 10341558
(length of 2.8m, MCC4000)

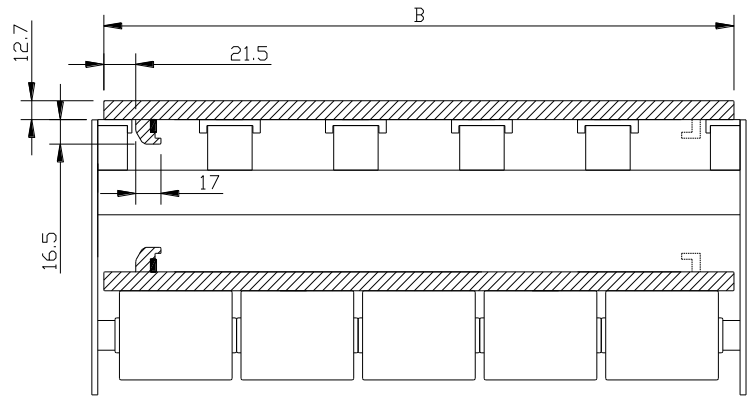
Profile for frame:



Standard:
Codenr.10361339
(length of 1.8m, MCC3500)

Straight section 1265-series

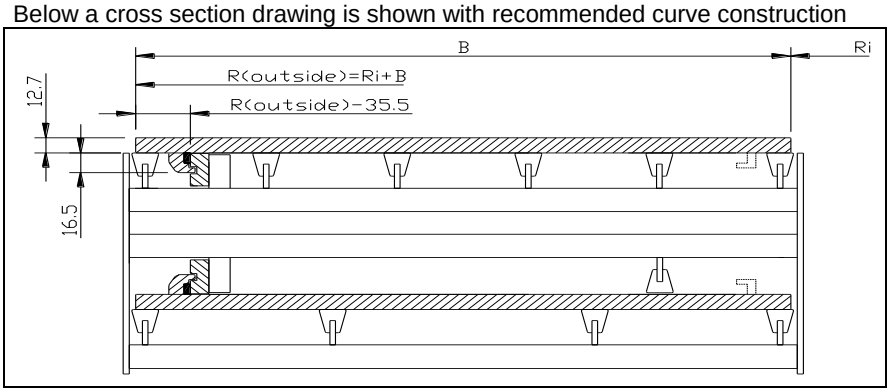
Below a cross section drawing is shown with recommended straight section construction



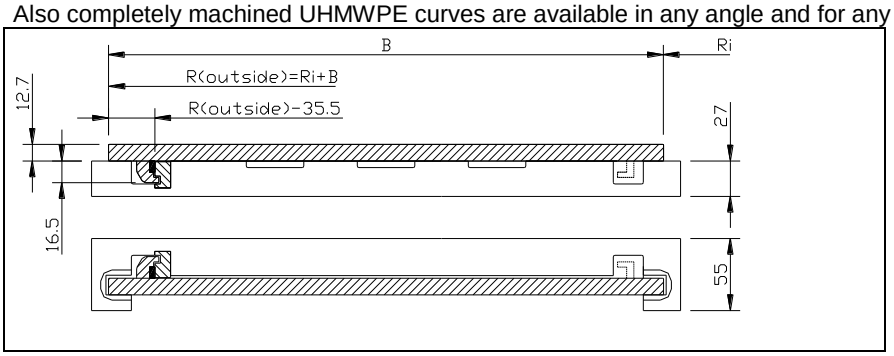
RBT 1265-Series

Curve section 1265-series

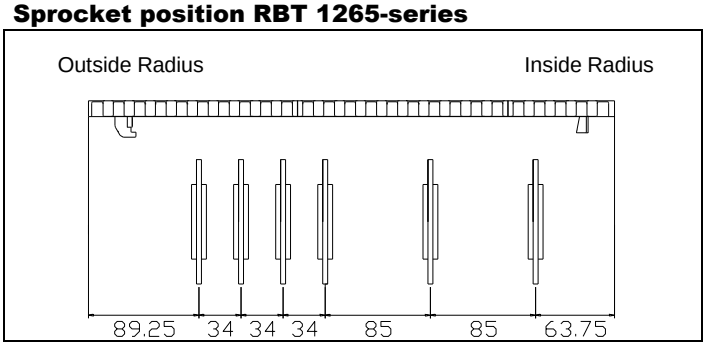
Below a cross section drawing is shown with recommended curve construction



Also completely machined UHMWPE curves are available in any angle and for any belt width.

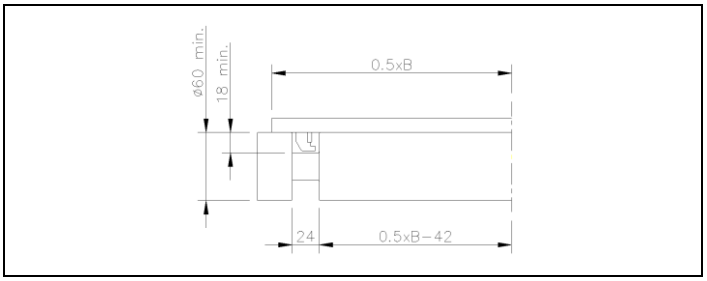


Sprocket position RBT 1265-series



Belt width	Nr. of sprockets	
	Drive	Idler
255 mm	4	3
340 mm	5	4
425 mm	6	5
510 mm	7	6
595 mm	8	7
680 mm	9	8
765 mm	10	9

Roller dimension 1265-series



Rollers should rotate freely at all times; therefore we strongly recommend to equip the rollers with bearings.

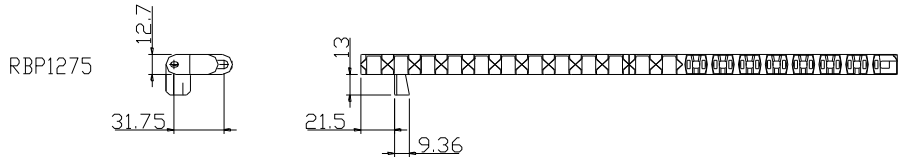
*) For high loads (>500 N) or wide belts (>510 mm) use bigger shaft diameter and / or support the shaft in the centre

Additional Notes

- To reduce friction in the curve section, we can also offer machined curves with roller bearing inserts. Please ask our Engineering for further information.
- We recommend to use roller with 80mm diameter for heavy duty applications.

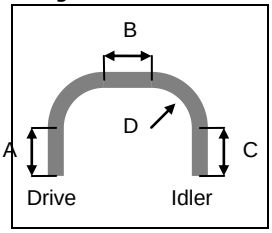
RBP 1275-Series

Beltstyle RBP 1275-series



Minimum backflex diameter: 60mm
Minimum end roller diameter: 60mm

Lay-out Guidelines



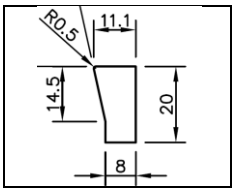
A	**Minimum straight section drive side** 750mm with normal drive, 500mm with gravity tensioner.			
B	**Minimum straight in between 2 curves (No S-bend!)** No minimum straight needed			
C	**Minimum straight section idler side** 500mm			
D	**Minimum inside radius (min R)**			
	Belt width	Min. radius	Belt width	Min. radius
	255	300	680	860
	340	400	765	1020
	425	500	850	1200
	510	600	935	1350
	595	720	1020	1500

MCC guiding Profile RBP 1275-series

The MCC guiding profile should be used to guide the belt through the curve and along the frame.
There are 2 materials available:

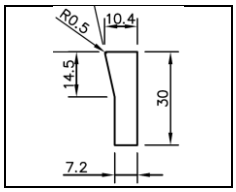
- MCC3500: Special polyamide
- MCC4000: Ultra Low Friction UHMWPE

Profile for curve:



Standard:
Codenr. 10341541
(length of 3m, MCC3500)
ULF:
Codenr. 10383604
(length of 3m, MCC4000)

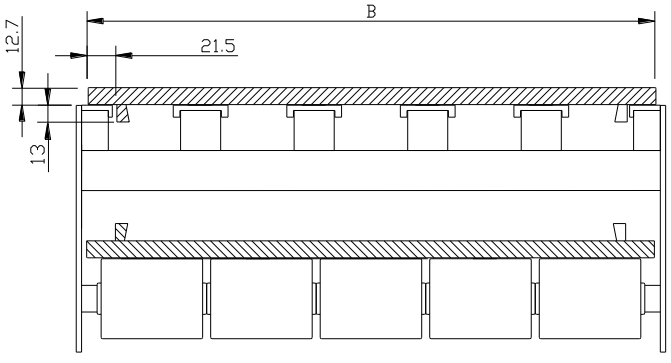
Profile for frame:



Standard:
Codenr.10361334
(length of 1.8m, MCC3500)
ULF:
Codenr. 103836610
(length of 3m, MCC4000)

Straight section RBP 1275-series

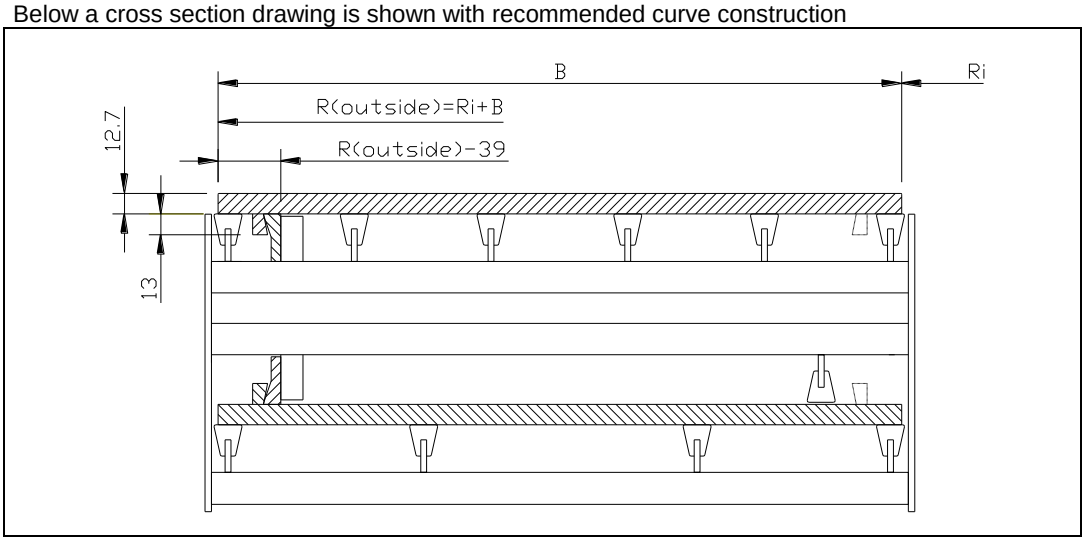
Below a cross section drawing is shown with recommended straight section construction



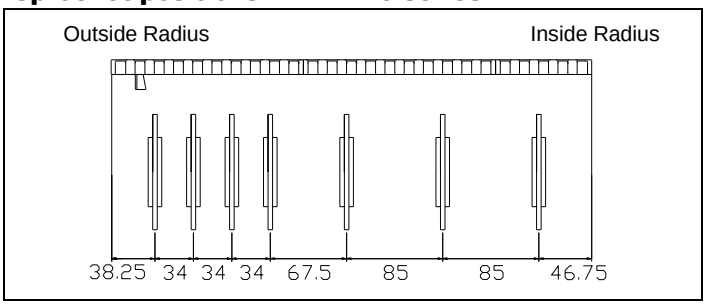
RBP 1275-Series

Curve section RBP 1275-series

Below a cross section drawing is shown with recommended curve construction

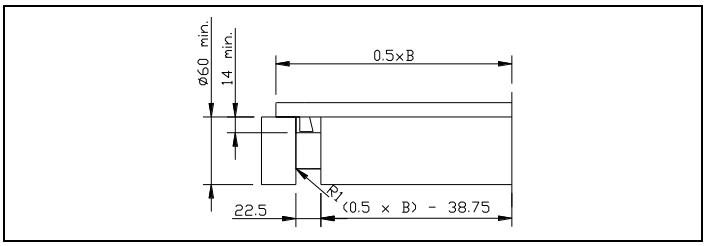


Sprocket positions RBP 1275-series



Belt width	Nr. of sprockets	
	Drive	Idler
255 mm	5	3
340 mm	6	4
425 mm	7	5
510 mm	8	6
595 mm	9	7
680 mm	10	8
765 mm	11	9

Roller dimension RBP 1275-series



Rollers should rotate freely at all times; therefore we strongly recommend to equip the rollers with bearings.

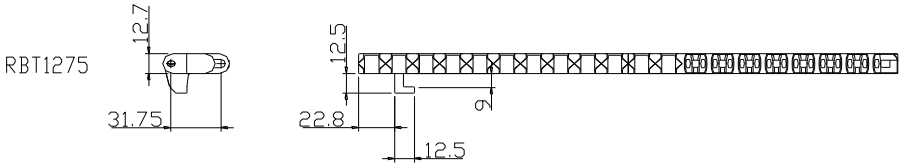
*) For high loads (>500 N) or wide belts (>510 mm) use bigger shaft diameter and/ or support the shaft in the centre

Additional Notes

We recommend to use the MCC machined corner tracks, which allow a simple design and a trouble-free operation.

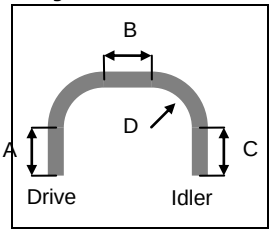
RBT 1275-Series

Beltstyle RBT 1275-series



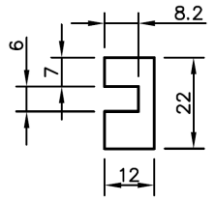
Minimum backflex diameter: 60mm
Minimum end roller diameter: 60mm

Lay-out Guidelines



A	**Minimum straight section drive side** 750mm with normal drive, 500mm with gravity tensioner.			
B	**Minimum straight in between 2 curves (No S-bend!)** No minimum straight needed			
C	**Minimum straight section idler side** 500mm			
D	**Minimum inside radius (min R)**			
	Belt width	Min. radius	Belt width	Min. radius
	255	300	680	860
	340	400	765	1020
	425	500	850	1200
	510	600	935	1350
	595	720	1020	1500

MCC guiding Profile RBT 1275-series



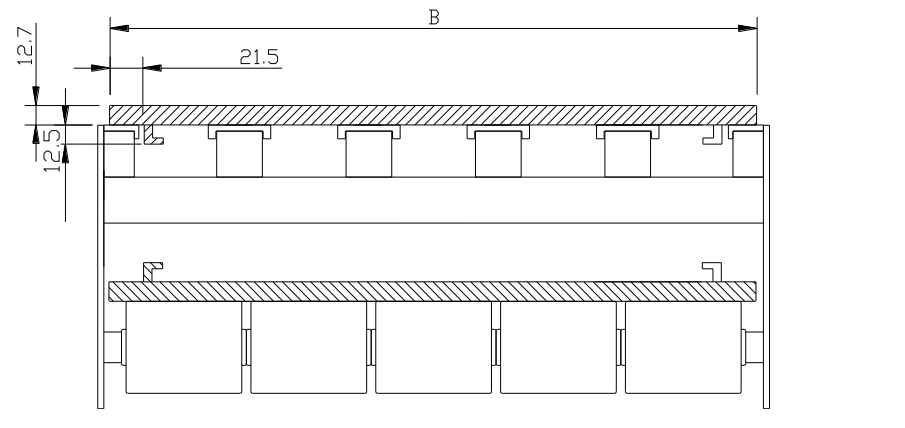
The MCC guiding profile should be used to guide the belt through the curve and along the frame. There are 2 materials available:

- MCC3500: Special polyamide
- MCC4000: Ultra Low Friction UHMWPE

Standard:
Codenr. 10341543 (length of 3m)
ULF:
Codenr. 10383613 (length of 3m)

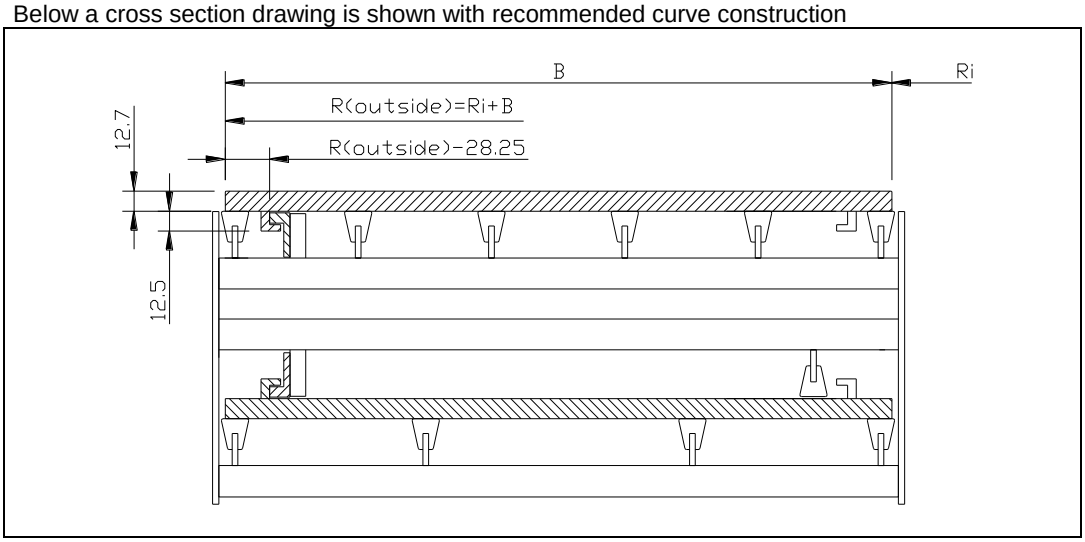
Straight section RBT 1275-series

Below a cross section drawing is shown with recommended straight section construction

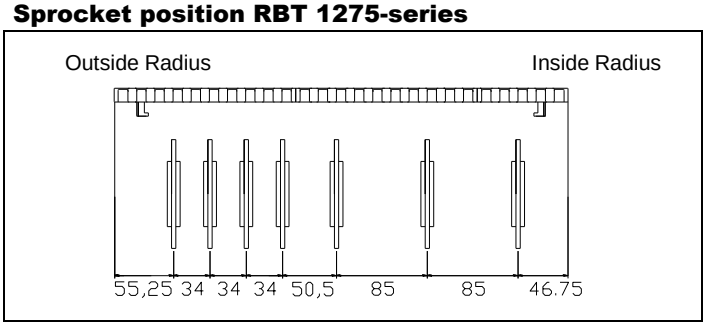


Curve section RBT 1275-series

Below a cross section drawing is shown with recommended curve construction

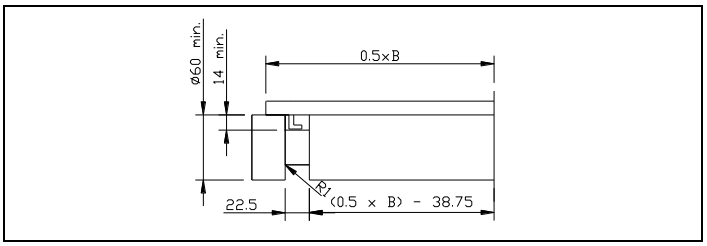


Sprocket position RBT 1275-series



Belt width	Nr. of sprockets	
	Drive	Idler
255 mm	5	3
340 mm	6	4
425 mm	7	5
510 mm	8	6
595 mm	9	7
680 mm	10	8
765 mm	11	9

Roller dimension 1275-series



Rollers should rotate freely at all times; therefore we strongly recommend to equip the rollers with bearings.
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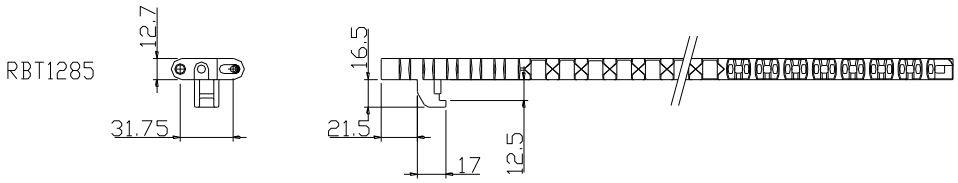
*) For high loads (>500 N) or wide belts (>510 mm) use bigger shaft diameter and/ or support the shaft in the centre

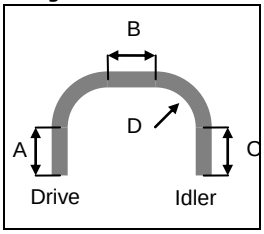
RBT 1285-Series

Belt style RBT 1285-series



Minimum backflex diameter: 60mm
Minimum end roller diameter: 60mm

Lay-out Guidelines



A	**Minimum straight section drive side** 750mm with normal drive, 500mm with gravity tensioner.
B	**Minimum straight in between 2 curves (No S-bend!)** No minimum straight needed
C	**Minimum straight section idler side** 500mm
D	**Minimum inside radius (min R)**

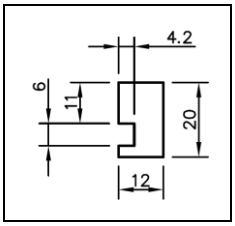
Belt width	Min. radius	Belt width	Min. radius
425	500	765	1020
510	600	850	1200
595	720	935	1350
680	860	1020	1500

MCC guiding Profile RBT 1285-series

The MCC guiding profile should be used to guide the belt through the curve and along the frame.
There are 2 materials available:

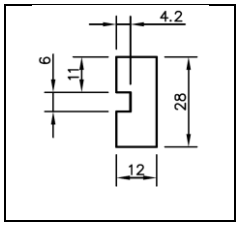
- MCC3500: Special polyamide
- MCC4000: Ultra Low Friction UHMWPE

Profile for curve:



Standard:
Codenr. 10341542
(length of 2.8m, MCC3500)
ULF:
Codenr. 10341558
(length of 2.8m, MCC4000)

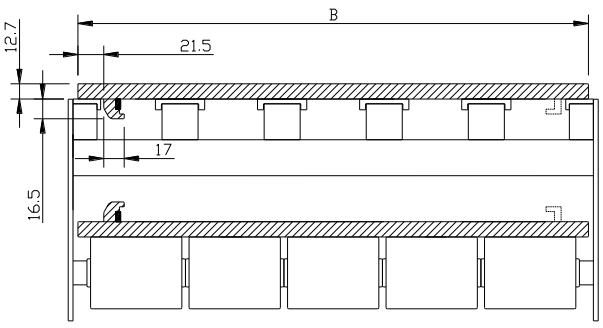
Profile for frame:



Standard:
Codenr.10361339
(length of 1.8m, MCC3500)

Straight section RBT 1285-series

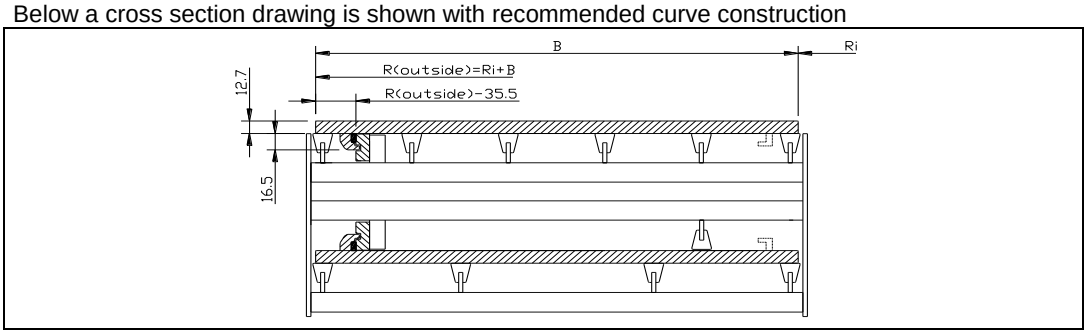
Below a cross section drawing is shown with recommended straight section construction



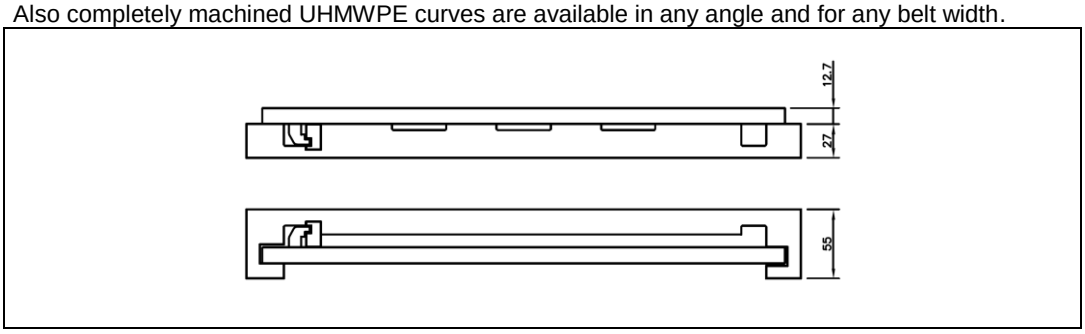
RBT 1285-Series

Curve section RBT 1285-series

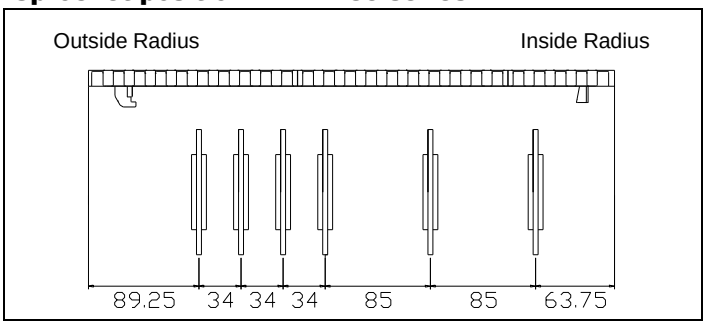
Below a cross section drawing is shown with recommended curve construction



Also completely machined UHMWPE curves are available in any angle and for any belt width.

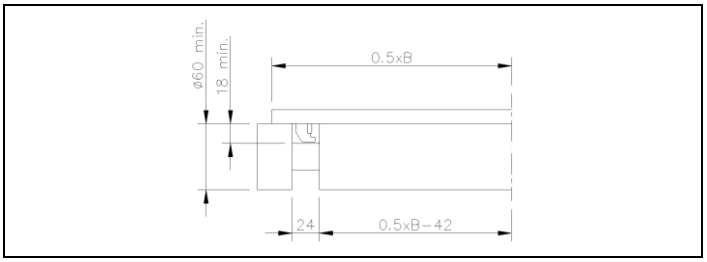


Sprocket position RBT 1285-series



Belt width	Nr. of sprockets	
	Drive	Idler
340 mm	5	4
425 mm	6	5
510 mm	7	6
595 mm	8	7
680 mm	9	8
765 mm	10	9
850 mm	11	10

Roller dimension RBT 1285-series



Rollers should rotate freely at all times; therefore we strongly recommend to equip the rollers with bearings.

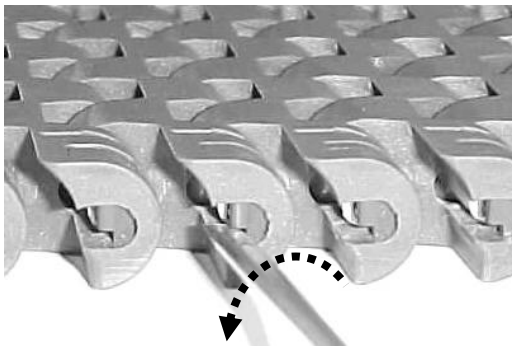
Additional Notes

- Complete machined UHMWPE curves including curve profiles are available in any angle and for any belt width
- We recommend to use rollers with 80mm diameter for heavy duty applications.

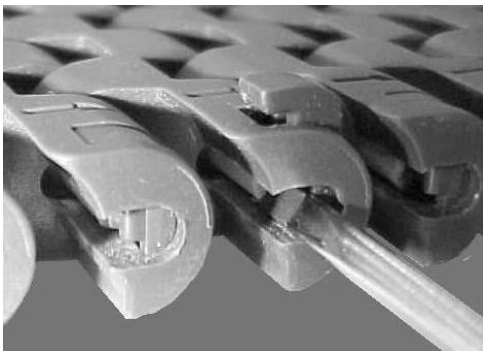
Sideflexing Belts

Installation instructions

505-series



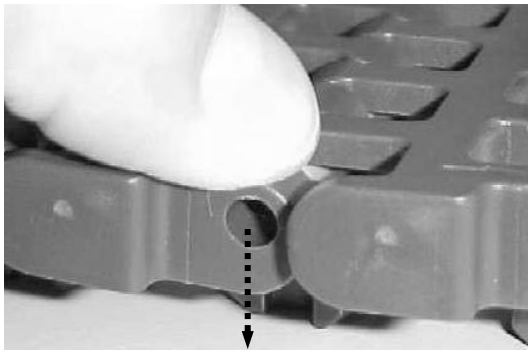
Turn screwdriver counter clockwise to remove clip.



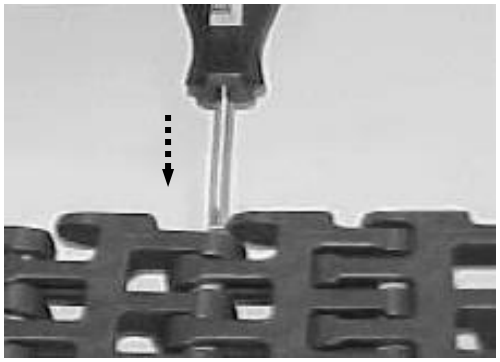
Place screwdriver between clip and belt end.

Please note that 505-series belts have a specific running direction, indicated by the arrow at the bottom.

1255-series belt

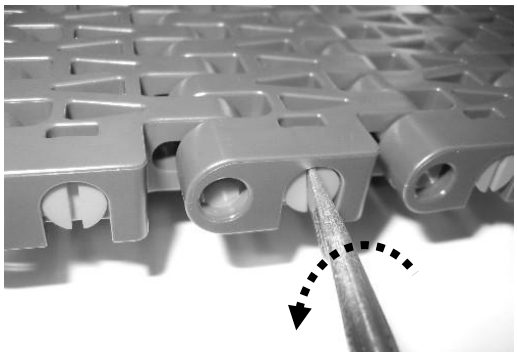


Lift belt out of tracks and position belt on the lugs. Now, push one belt module downwards.

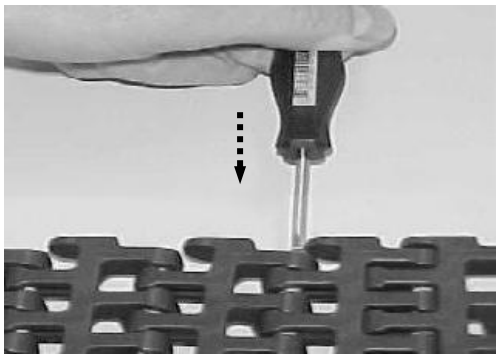


Place screwdriver in opposite end hole and push pin out.

1265-series belt



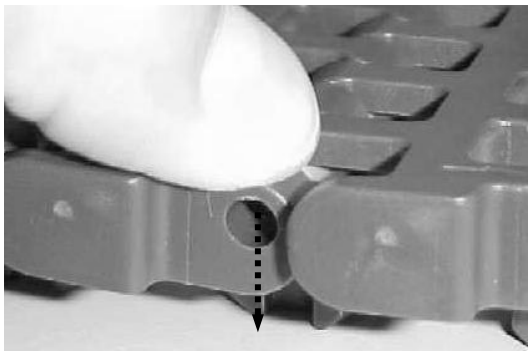
Turn screwdriver counter clockwise to open clip.



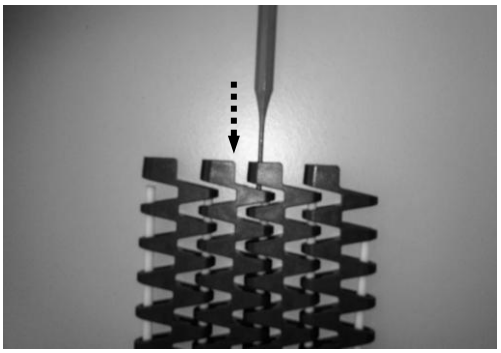
Place screwdriver in opposite end hole and push pin out.

Sideflexing Belts

1275-series belt

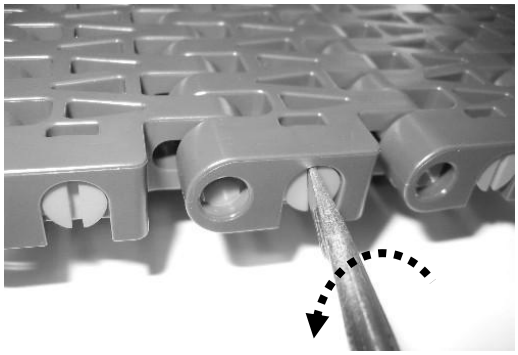


Lift belt out of tracks and position belt on the lugs. Now, push one belt module downwards.

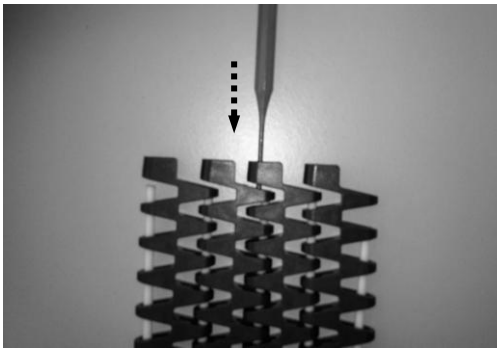


Place screwdriver in opposite end hole and push pin out.

1285-series belt

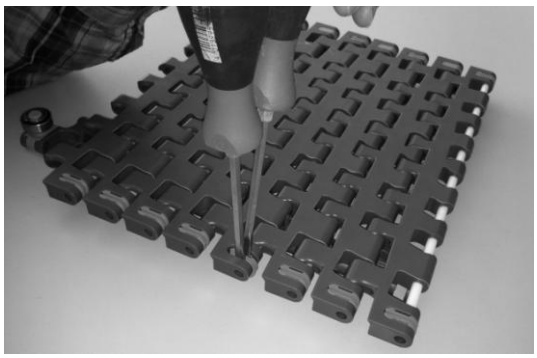


Turn screwdriver counter clockwise to open clip.

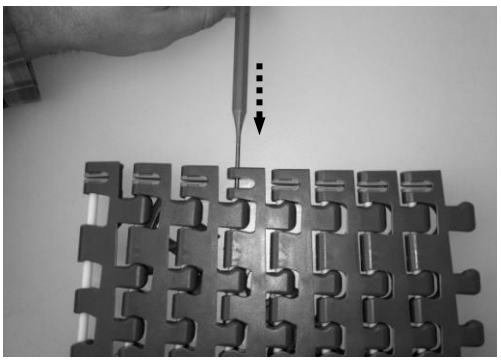


Place screwdriver in opposite end hole and push pin out.

7956-series belt



Remove pin retension by using a Needle nose pliers.



Place screwdriver in opposite end hole and push pin out.

Materials

Material Prefix	Description	Page	Primary Components	FDA Approved
AS	Anti-Static	MA – 1	Electrically conductive acetal (POM)	No
BHT	Blue High Temperature	MA – 12	Polypropylene (PP)	Yes
BLT	Blue Low Temperature	MA – 15	Polyethylene (HDPE)	Yes
BRSM	Black Cut Resistance with Red Links	MA – 2	Cut and abrasive wear resistant acetal (POM)	Yes
BSM	Black Cut Resistance	MA – 28	Cut and abrasive wear resistant acetal (POM)	Yes
BUV	Blue Acetal Ultraviolet Resistant	MA – 5	Ultraviolet resistant acetal (POM)	No
BYSM	Black Cut Resistance with Yellow Links	MA – 2	Cut and abrasive wear resistant acetal (POM)	Yes
CR	Extreme Chemical Resistant	MA – 3	Fluorinated polymer	Yes
D	Plain Acetal	MA – 4	Acetal (POM)	No
DUV	Plain Acetal Ultraviolet Resistant	MA – 5	Ultraviolet resistant acetal (POM)	No
EPDM	Ethylene Propylene Rubber	MA – 6	Ethylene propylene rubber	No
FR	Flame Retardant	MA – 7	Flame retardant polyester (PBT)	No
FR-ESD	Flame Retardant Electrostatic Dissipative	MA – 33	High capacity electrostatic dissipative acetal (POM)	No
GTC	Grey Tough Composite	MA – 8	High strength, impact modified composite	No
HCAS	High Capacity Anti-static (Black)	MA – 32	High capacity Anti-static acetal (POM)	No
HP	High Performance	MA – 9	High performance, internally lubricated acetal (POM)	Yes
HS	Heat Stabilized	MA – 11	Heat stabilized nylon (PA)	No
HT	High Temperature	MA – 12	Polypropylene (PP)	Yes
HTB	Black High Temperature	MA – 12	Polypropylene (PP)	Yes
KHT	Khaki High Temperature	MA – 12	Polypropylene (PP)	Yes
LF	Low Friction	MA – 14	Low friction acetal (POM)	Yes
LT	Low Temperature	MA – 15	Polyethylene (HDPE)	Yes
MR	Melt Resistant	MA – 16	Melt resistant nylon (PA)	No
Neoprene	Neoprene	MA – 17	Neoprene	No
P	Chemical Resistant	MA – 18	Polyester (PBT)	Yes
PS®	Platinum Series	MA – 19	High speed, Platinum Series internally lubricated acetal (POM)	Yes
PSX®	Platinum Series	MA – 20	High speed, Platinum Series internally lubricated acetal (POM)	Yes
RHT	Red High Temperature	MA – 12	Polyethylene (HDPE)	Yes
RSM	Red Cut Resistant	MA – 28	Cut and abrasive wear resistant acetal (POM)	Yes
RUV	Red Acetal Ultraviolet Resistant	MA – 5	Ultraviolet resistant acetal (POM)	No
S	Carbon Steel	MA – 21	Carbon Steel	No
SMB	Blue Cut Resistant	MA – 28	Cut and abrasive wear resistant acetal (POM)	Yes
SRMB	Blue Cut Resistant with Red End Links	MA – 22	Cut and abrasive wear resistant acetal (POM)	Yes
SS	Stainless Steel	MA – 22	Austenitic stainless steel	Yes
SSB	Stainless Steel Low Magnetic	MA – 23	Low ferromagnetic austenitic stainless steel	Yes
SYMB	Blue Cut Resistant with Yellow End Links	MA – 2	Cut and abrasive wear resistant acetal (POM)	Yes
USP	Ultra Stabilized Polypropylene	MA – 27	Polypropylene (PP) and chemical stabilizers	Yes
WD	White Plain Acetal	MA – 4	Acetal (POM)	No
WHP	White High Performance	MA – 9	High performance, internally lubricated acetal (POM)	Yes
WHT	White High Temperature	MA – 12	Polypropylene (PP)	Yes
WLF	White Low Friction	MA – 14	Low friction acetal (POM)	Yes
WLT	White Low Temperature	MA – 15	Polyethylene (HDPE)	Yes
WSM	White Cut Resistant	MA – 28	Cut and abrasive wear resistant acetal (POM)	Yes
XLA	Internally Lubricated Polyacetal (Grey)	MA – 30	Internally lubricated polyacetal (POM)	Yes
XLG	Low Friction Acetal (Green)	MA – 31	Internally lubricated polyacetal (POM)	Yes
YSM	Yellow Cut Resistant	MA – 28	Cut and abrasive wear resistant acetal (POM)	Yes
YUV	Yellow Acetal Ultraviolet Resistant	MA – 5	Ultraviolet resistant acetal (POM)	No

AS

Brief Description

Formulated to reduce or eliminate nuisance static buildup that can occur while conveying products or during product accumulation. Used to dissipate nuisance sparks for Class II type static environments only. Please contact Application Engineering at 262.376.4800 for specific uses for this material.

Primary Components

Electrically conductive acetal (POM)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
AS	Anti-Static (Black)	0	+180	NR	-18	+82	NR	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	NR	NR	NR	NR

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	NR	0.16	0.16

Regulatory Information

1. Types of Static Environments:
   Class I: Static spark causes explosion. Use stainless steel chain materials.
   Class II: Static spark is a nuisance charge causing slight shock, possible circuit damage or electrical malfunction.
2. Electrical Properties: Surface resistivity = 10^3 Ω/sq.
3. Wearstrip Recommendations: Wearstrips must be grounded to the conveyor frame and must be electrically conductive to be effective. The conveyor frame should also be externally grounded.
4. Strength Considerations:
   - Rexnord® TableTop® & MatTop® Chains molded from anti-static material must be derated 40% from their acetal counterparts.
   - Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from anti-static material must be derated 40% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.
5. Depending on application requirements, the entire conveyor chain can be comprised of anti-static material or sections of antistatic material can be interspersed at various intervals.
6. AS friction factor should be used when interspersing AS links into any other material.

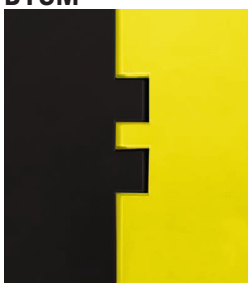
NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

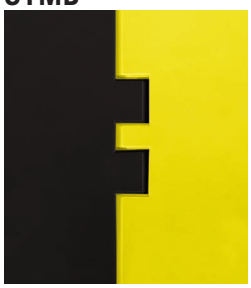
BRSM

BYSM



SRMB

SYMB



Brief Description

Automotive handling applications require chains to be assembled with different color end links to provide contrast. These are the same chain modules molded in wear and cut resistant materials (BSM, SMB, RSM and YSM) only assembled in the same chain. Can be used in both dry and wet conditions and in applications where abrasive wear due to products or environment is a concern. Has good impact resistance and is as strong as standard acetal materials.

Primary Components

Cut and abrasive wear resistant acetal (POM)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
BRSM	Black Cut Resistant with Red End Links	-40	+180	+150	-40	+82	+66	Yes
BYSM	Black Cut Resistant with Yellow End Links	-40	+180	+150	-40	+82	+66	Yes
SRMB	Blue Cut Resistant with Red End Links	-40	+180	+150	-40	+82	+66	Yes
SYMB	Blue Cut Resistant with Yellow End Links	-40	+180	+150	-40	+82	+66	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	0.10

Regulatory Information

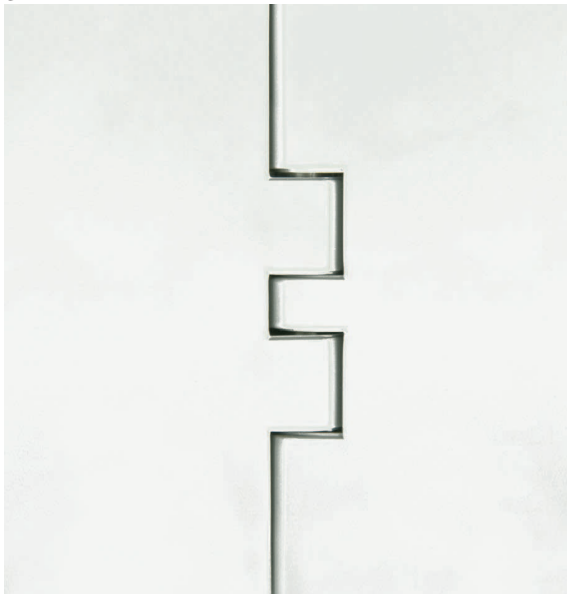
The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

1. Not available for Rexnord® TableTop® and Multiflex chains.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

CR



Brief Description

Able to withstand nearly any harsh chemical environment, including applications where strong oxidizing agents, acids and bases such as sodium hydroxide, sulfuric acid, hydrochloric acid, hydrofluoric acid and iodine are present. Please contact Rexnord at (262) 376-4800 for specific uses for this material.

Primary Components

Fluorinated polymer

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
CR	Extreme Chemical Resistant (White)	+40	+240	+212	+4	+116	+100	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.20	0.20	0.22
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	0.10

Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

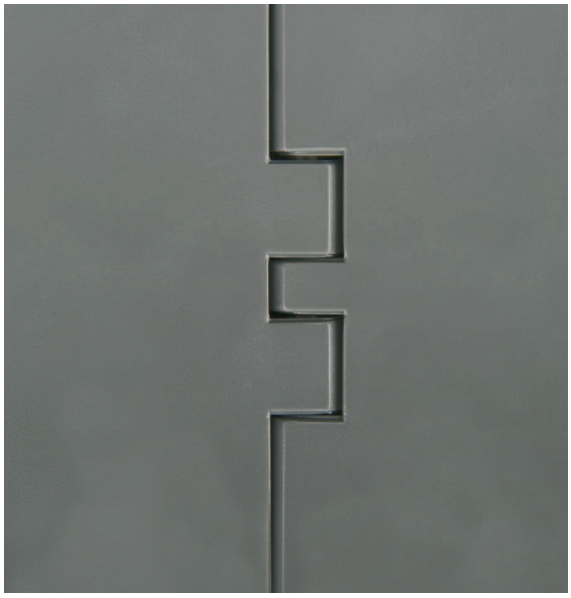
1. Strength Considerations:
   - Rexnord® TableTop® Chains molded from extreme chemical resistant material (with stainless steel pins) must be derated 20% from their acetal counterparts (with stainless steel pins).
   - Rexnord® TableTop® Chains molded from extreme chemical resistant material (with plastic pins) must be derated 40% from their acetal counterparts (with stainless steel pins).
   - Rexnord® MatTop® Chains molded from extreme chemical resistant material must be derated 20% from their acetal counterparts.
   - Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from extreme chemical resistant material must be derated 20% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.

NR denotes "not recommended", Dash denotes "combination not tested"

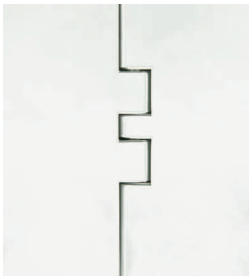
**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

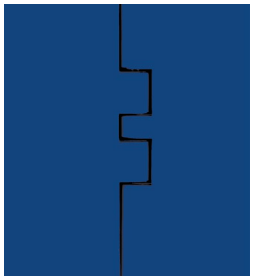
D



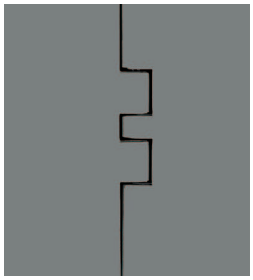
WD



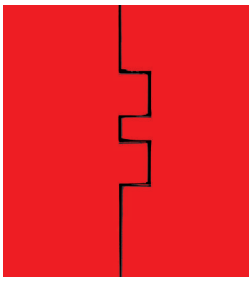
DBM



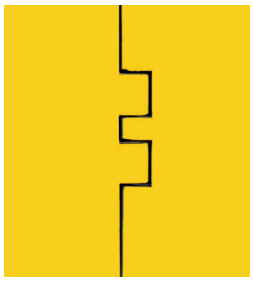
GM



RM



YM



Brief Description

A general-purpose conveyor chain material which has low friction, high strength, excellent wear life, superior fatigue resistance and is chemical resistant in a wide range of environments.

Primary Components

Acetal (POM)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
D	Plain Acetal (Gray)	-40	+180	+150	-40	+82	+66	No
WD	White Plain Acetal	-40	+180	+150	-40	+82	+66	No
DBM	Dark Blue Material	-40	+180	+150	-40	+82	+66	No
GM	Gray Material	-40	+180	+150	-40	+82	+66	No
RM	Red Material	-40	+180	+150	-40	+82	+66	No
YM	Yellow Material	-40	+180	+150	-40	+82	+66	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.20	0.15	NR	0.20	0.20	0.22
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	0.10

Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

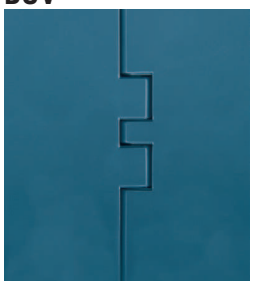
NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

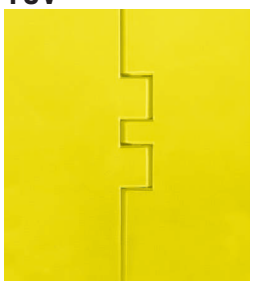
Materials

DUV

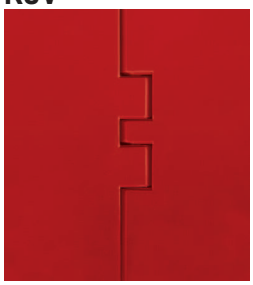
BUV



YUV



RUV



Brief Description

Formulated to reduce or eliminate material degradation in applications where ultraviolet radiation exposure is a concern. Retains its mechanical integrity when exposed to direct sunlight (outdoor applications) as well as in applications that use ultraviolet radiation to run a process. Has the same strength and wear properties as plain acetal material.

Primary Components

Ultraviolet resistant acetal (POM)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
DUV	Acetal Ultraviolet Resistant (Black)	0	+180	+150	-18	+82	+66	No
BUV	Blue Acetal Ultraviolet Resistant	0	+180	+150	-18	+82	+66	No
RUV	Red Acetal Ultraviolet Resistant	0	+180	+150	-18	+82	+66	No
YUV	Yellow Acetal Ultraviolet Resistant	0	+180	+150	-18	+82	+66	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.20	0.20	0.22
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	0.10

Regulatory Information

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

EPDM (Black)

EPDM (White)

Brief Description

EPDM is used as a gripper material that has outstanding resistance to oxygen and ozone. It also has good resistance to the very hot water used in many SideGrip™ rinser applications. It is available in several different durometers (or hardness) for different applications.

Primary Components

Ethylene Propylene Rubber

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
-	EPDM	-58	+302	+302	-50	+150	+150	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	NR	NR	NR	NR	NR	NR	NR
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	NR	NR	NR	NR

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	NR	NR	NR
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	NR	NR	NR

1. 1. This material is not available in TableTop®, MatTop®, or Multiflex chains. It is only available as a gripper material for SideGrip™ chains.
2. The temperature range for standard 50 shore EPDM grippers. Other hardnesses will affect the operating temperature.
3. Color may be black or white depending on chain series. See specific chain series in
4. Product Catalog for color.

Regulatory Information

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

FR

Brief Description

Formulated to eliminate the possibility of sustained combustion should the chain be accidentally ignited. Will self extinguish per the UL Standard 94 V-O standard when the source of ignition or flame is removed.

Primary Components

Flame retardant polyester (PBT)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
FR	Flame Retardant (Gray)	0	+180	+140	-18	+82	+60	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.20	0.20	0.22
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	0.10

Regulatory Information

Rexnord, TableTop and MatTop is a trademark of Rexnord Corporation.

Nylatron is a registered trademark of Quadrant Engineering Plastics Products.

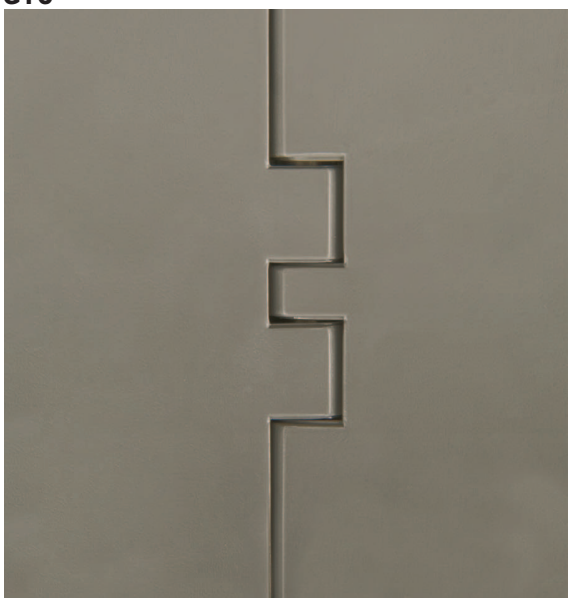
1. Strength Considerations:
   - Rexnord® TableTop® Chains molded from flame retardant material must be derated 40% from their acetal counterparts.
   - Rexnord® MatTop® Chains molded from flame retardant material must be derated 15% from their acetal counterparts.
   - Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from flame retardant material must be derated 20% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.
2. Flame retardant material is not recommended for high temperature applications.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

GTC



Brief Description

GTC is a high strength, toughened composite material specifically formulated to take constant impact. It's combination of high strength and low stretch make it an excellent material for high speed case incline (or decline) conveyors. Has excellent impact resistance as well as good chemical resistance.

Primary Components

High strength, impact modified composite

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
GTC	Grey Tough Composite	0	+180	+140	-18	+82	+60	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.21	0.21	0.23
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	0.10	0.10	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	0.10

Regulatory Information

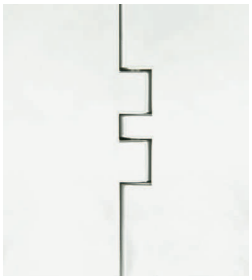
The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

HP™

WHP



Brief Description

Patented Rexnord® High Performance Material has the lowest coefficient of friction of any chain or belt material. Extensive testing has proven that new high performance materials can reduce wear up to 40% over plain acetal and 25% over low friction acetal. Ideal for dry running applications and will permit greater operating speeds for aggressive applications in the beverage and container industry. Used to lower product backline pressure and to minimize conveyor pulsation resulting in reduced chain flight wear and reduced chain elongation.

Primary Components

High performance, internally lubricated acetal (POM)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
HP™	High Performance (Brown)	-40	+180	+150	-40	+82	+66	Yes
WHP	White High Performance	-40	+180	+150	-40	+82	+66	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.18	0.20	0.12	0.23	0.18	0.18	0.18
Water	0.14	0.18	0.11	NR	0.16	0.16	0.16
Soap and Water	0.12	0.14	0.10	NR	0.14	0.14	0.13
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.18	0.18	0.18
Water	0.16	0.16	0.16
Soap and Water	0.13	0.14	0.14
Oil	0.10	0.10	0.10

Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

Nylatron is a registered trademark of Quadrant Engineering Plastics Products.

U.S. Patent: 4436200

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

HP RubberTop® / SuperGrip™

Brief Description

HPM is specifically formulated for general high friction applications. The high performance HP™ base links in conjunction with molded high friction pads make it ideal for high speed incline or decline conveyors.

Primary Components

High performance HP™ with molded high friction pads

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
HP	High Performance Friction Top	-40	+180	+150	-40	+82	+66	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	NR	NR	NR	NR	NR	NR	NR
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	0.87***	0.85***	NR	NR

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.18	0.18	0.18
Water	0.16	0.16	0.16
Soap and Water	0.13	0.14	0.14
Oil	0.10	0.10	0.10

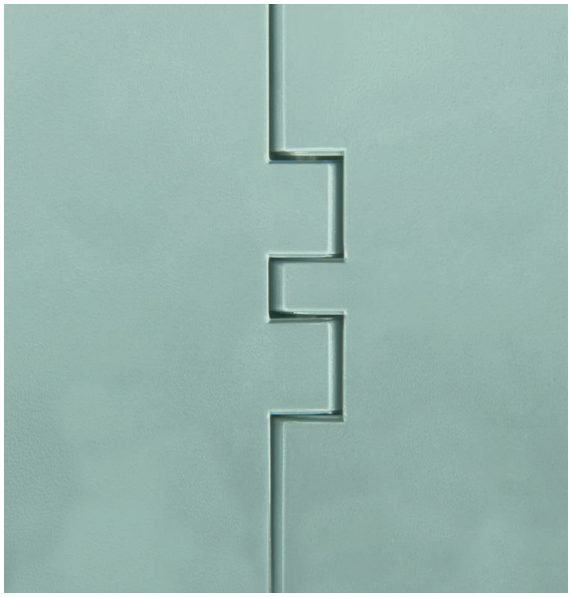
Regulatory Information

***It is not recommended to accumulate on RubberTop® products; however, these values can be utilized when determining brake belt or "hold back" calculations.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

HS



Brief Description

Formulated to retain strength and resist degradation and swelling in hot, wet environments. Can be used in demanding high temperature applications such as bottle rinsers, sterilizers, warmers and pasteurizers.

Primary Components

Heat stabilized nylon (PA)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
HS	Heat Stabilized (Green)	-40	+220	+212	-40	+104	+100	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.20	0.20	0.22
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.28	0.28
Water	0.25	0.23	0.23
Soap and Water	0.18	0.18	0.18
Oil	0.10	0.10	0.10

Regulatory Information

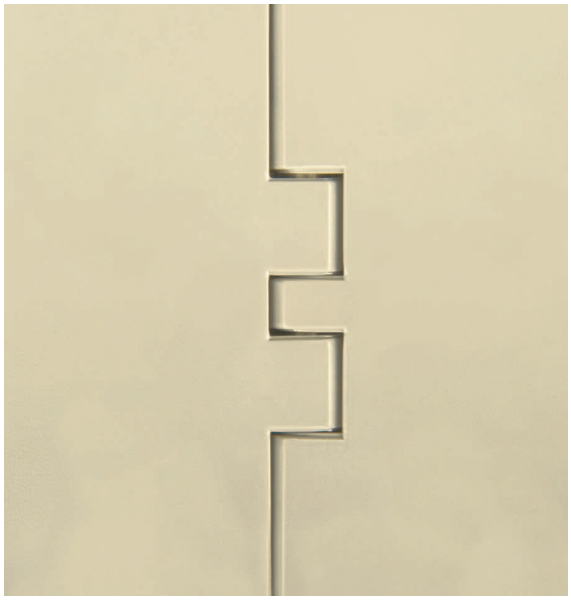
1. Strength Considerations:
   - Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from heat stabilized material must be derated 20% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.
2. Heat stabilized material, unlike other nylon materials, can be used in wet environments without the risk of swelling.

NR denotes "not recommended", Dash denotes "combination not tested"

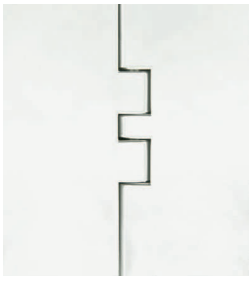
**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

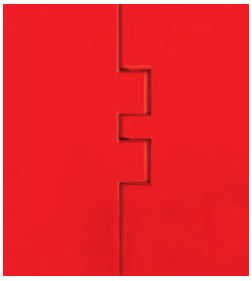
HT



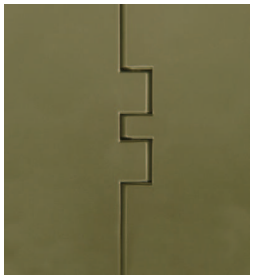
WHT



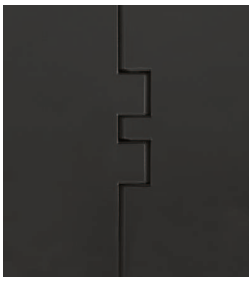
RHT



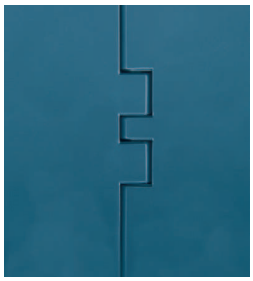
KHT



HTB



BHT



Brief Description

Formulated to be used in both high temperature and general applications in both dry and wet conditions. A good general purpose conveyor chain material and in addition has excellent resistance to chemicals including salts, alcohol, bases and many acids.

Primary Components

Polypropylene (PP)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max dry	max wet	min	max dry	max wet	
HT	High Temperature (Beige)	+40	+220	+212	+4	+104	+100	Yes
WHT	White High Temperature	+40	+220	+212	+4	+104	+100	Yes
RHT	Red High Temperature	+40	+220	+212	+4	+104	+100	Yes
KHT	Khaki High Temperature	+40	+220	+212	+4	+104	+100	Yes
BHT	Blue High Temperature	+40	+220	+212	+4	+104	+100	Yes
HTB	Black High Temperature	+40	+220	+212	+4	+104	+100	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.29	0.29	0.24	0.35	0.32	0.28	0.31
Water	0.19	0.21	0.18	NR	0.24	0.20	0.25
Soap and Water	0.15	0.14	0.10	NR	0.19	0.15	0.17
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.35	0.30	0.30
Water	0.30	0.25	0.25
Soap and Water	0.25	0.20	0.20
Oil	0.10	0.10	0.10

1. Buoyant in water.
2. Not available for Rexnord® TableTop® and Multiflex chains.

Regulatory Information

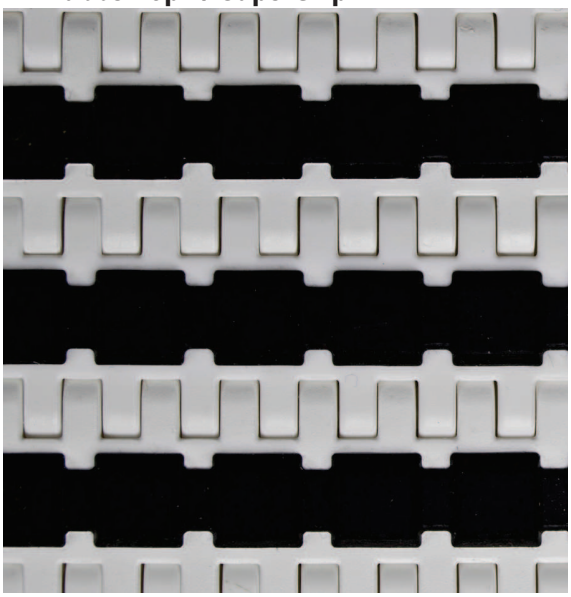
The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

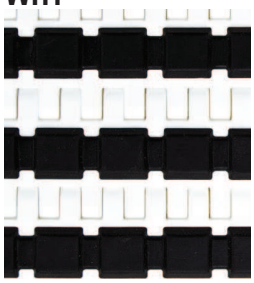
Materials

HT RubberTop® / SuperGrip™



KHT

WHT



Brief Description

HT is specifically formulated for general high friction applications. The polypropylene base links in conjunction with high friction surface make it ideal for incline or decline conveyors

Primary Components

High temperature polypropylene with high friction pads

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
HT	High Temperature	+40	+180	+140	+4	+82	+60	Yes
KHT	Khaki High Temperature	+40	+180	+140	+4	+82	+60	Yes
WHT	White High Temperature	+40	+180	+140	+4	+82	+60	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	NR	NR	NR	NR	NR	NR	NR
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	0.87***	0.85***	NR	NR

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.35	0.30	0.30
Water	0.30	0.25	0.25
Soap and Water	0.25	0.20	0.20
Oil	0.10	0.10	0.10

1. Buoyant in water
2. Not available for Rexnord® TableTop® and Multiflex chains

Regulatory Information

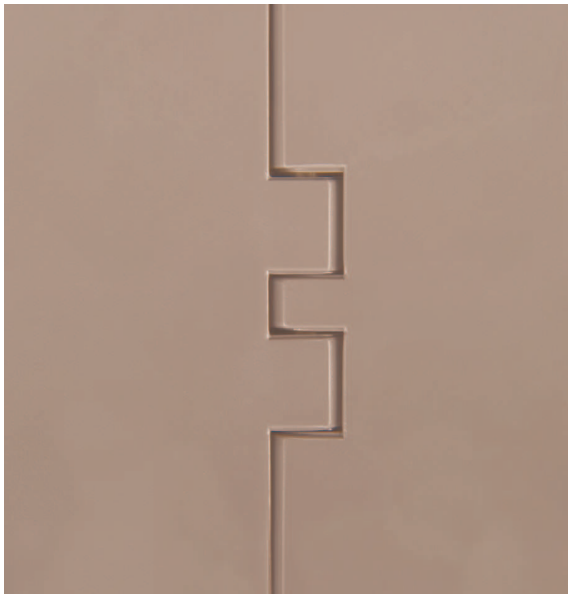
***It is not recommended to accumulate on RubberTop® products; however, these values can be utilized when determining brake belt or "hold back" calculations.

NR denotes "not recommended", Dash denotes "combination not tested"

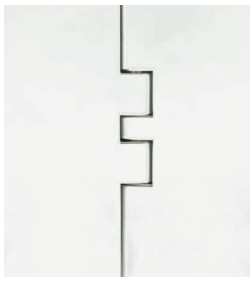
**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

LF



WLF



Brief Description

An excellent conveyor chain material with a low coefficient of friction between a variety of materials. Extensive testing has proven that low friction materials can reduce wear up to 15% over plain acetal. Ideal for dry running applications and will permit greater operating speeds. Used to lower product backline pressure and minimize conveyor pulsation resulting in reduced chain flight wear and reduced chain elongation.

Primary Components

Patented blend of low friction acetal (POM) and lubricants

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
LF	Low Friction (Tan)	-40	+180	+150	-40	+82	+66	Yes
WLF	White Low Friction	-40	+180	+150	-40	+82	+66	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.20	0.20	0.15	0.30	0.20	0.20	0.25
Water	0.15	0.18	0.13	NR	0.18	0.18	0.20
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.25	0.20	0.20
Water	0.20	0.18	0.18
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	0.10

Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

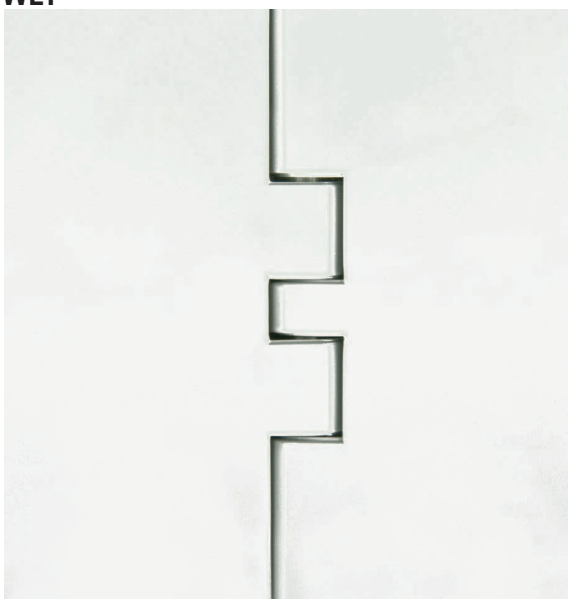
U.S. Patent: 4436200

NR denotes "not recommended", Dash denotes "combination not tested"

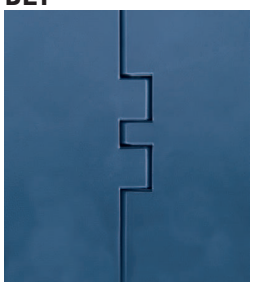
**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

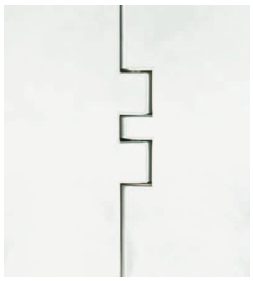
WLT



BLT



LT



Brief Description

Formulated to retain toughness, impact strength and ductility in both dry and wet conditions. Retains its properties in temperatures as low as -100 °F (-73 °C). Has excellent impact resistance, and because of its inherent ductility, is excellent in applications where other materials may chip or fracture. Is also chemical resistant to most bleaches, bases, acids and hydrocarbons.

Primary Components

Polyethylene (HDPE)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
WLT	White Low Temperature	-100	+80	+80	-73	+27	+27	Yes
BLT	Blue Low Temperature	-100	+80	+80	-73	+27	+27	Yes
LT	Low Temperature (natural)	-100	+80	+80	-73	+27	+27	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.22	0.24	0.18	0.30	0.22	0.22	0.28
Water	0.17	0.17	0.14	NR	0.18	0.18	0.22
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.28	0.23	0.23
Water	0.22	0.20	0.20
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	0.10

1. Buoyant in water.
2. Not available for Rexnord® TableTop® and Multiflex chains.

Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

MR

Brief Description

Formulated to be used in applications where conveying hot products may cause chain top surface to melt. Can resist contact temperatures up to 375 °F (190 °C). Used to convey high temperature products such as hot cans and hot pans in container manufacturing and industrial part processing applications

Primary Components

Melt resistant nylon (PA)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
MR	Melt Resistant (Black)	-80	+220	NR	-62	+104	NR	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.28	0.28
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	0.10	0.10	0.10

Regulatory Information

1. Strength Considerations:
   - Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from melt resistant material must be derated 20% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.
2. It is important to lubricate side-flexing chains in the corners to reduce noise levels at speeds in excess of 100 FPM; water lubrication is unacceptable because it will cause melt resistant material to swell and lose strength.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

Neoprene (Black)

Neoprene (White)

Brief Description

Neoprene is used as a gripper material that has good resistance to gasoline, sunlight, ozone & oxidation. It is available in several different durometers (or hardness) for different applications.

Primary Components

Neoprene

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
-	Neoprene	-40	+212	+200	-40	+100	+93	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	NR	NR	NR	NR	NR	NR	NR
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	NR	NR	NR	NR

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	NR	NR	NR
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	NR	NR	NR

1. This material is not available in TableTop®, MatTop®, or Multiflex chains. It is only available as a gripper material for SideGrip™ chains.
2. The temperature range for standard 40 shore Neoprene grippers. Other hardnesses will affect the operating temperature.
3. Color may be black or white depending on chain series. See specific chain series in Product Catalog for color.

Regulatory Information

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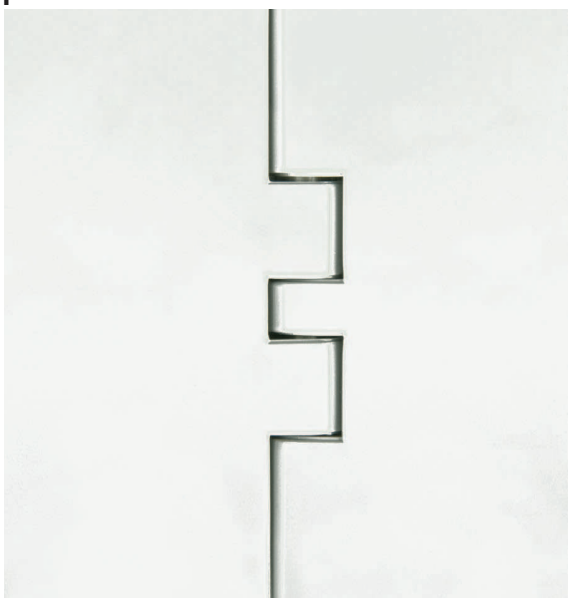
**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

P



Brief Description

Formulated to reduce or eliminate material degradation in applications where chemicals such as chlorine and phosphorous are present at moderate concentrations

Primary Components

Polyester (PBT)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
P	Chemical Resistant (White)	0	+180	+140	-18	+82	+60	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.21	0.21	0.22
Soap and Water	0.12	0.14	0.10	NR	0.15	0.10	0.15
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	0.10

Regulatory Information

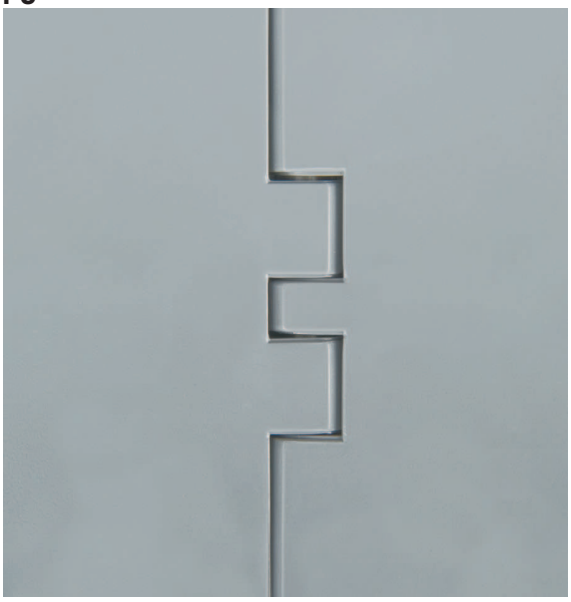
The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

1. Strength Considerations:
   - Rexnord® TableTop® Chains molded from chemical resistant material (with stainless steel pins) must be derated 20% from their acetal counterparts (with stainless steel pins).
   - Rexnord® TableTop® Chains molded from chemical resistant material (with plastic pins) must be derated 40% from their acetal counterparts (with stainless steel pins).
   - Rexnord® MatTop® Chains molded from chemical resistant material must be derated 20% from their acetal counterparts.
   - Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from chemical resistant material must be derated 20% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

PS®



Brief Description

Platinum Series® PS® material is a specially formulated material especially suited for high speed conveying. PS® material can decrease high speed wear by as much as 5 times. Side-flexing PV limits are also increased which means that a side-flexing chain molded in PS® can be run 200% faster than the same chain in acetal, or 150% faster than the same chain in HP™! "Optimized for PET" means that PET bottles running on PS® chains exhibit the lowest friction available. Low coefficients of friction reduce product backline pressures and minimize pulsations.

Primary Components

High speed Platinum Series® internally lubricated acetal (POM)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
PS®	Platinum Series® (Silver)	-40	+180	+150	-40	+82	+66	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.18	0.20	0.12	0.23	0.18	0.16	0.18
Water	0.14	0.18	0.11	NR	0.16	0.15	0.16
Soap and Water	0.12	0.14	0.10	NR	0.14	0.14	0.13
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.18	0.18	0.18
Water	0.16	0.16	0.16
Soap and Water	0.13	0.14	0.14
Oil	0.10	0.10	0.10

Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

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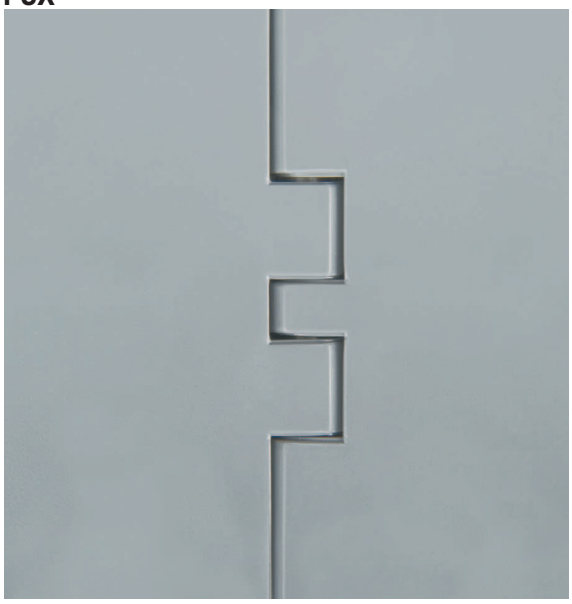
**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

PSX®



Brief Description

Platinum Series X® PSX® material is an advanced performance polymer alloy engineered specifically for run dry applications. PSX® material minimizes the amount of conveyor lubrication needed, and in many cases offers a completely run dry solution. PSX® material also minimizes the dusting phenomena in dry running conditions.

Primary Components

Advanced performance polymer alloy designed specifically for run dry applications

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
PSX®	Platinum Series X® (Gray)	-40	+180	+150	-40	+82	+66	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.16	0.20	0.12	0.23	0.18	0.16	0.16
Water	0.13	0.18	0.11	NR	0.16	0.15	0.14
Soap and Water	0.12	0.14	0.10	NR	0.14	0.14	0.12
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material			
	Carbon and Stainless Steel	UHMWPE	Nylatron®	ULF™
Dry	0.18	0.18	0.16	0.12
Water	0.16	0.16	0.14	0.11
Soap and Water	0.13	0.14	0.12	0.10
Oil	0.10	0.10	0.10	0.10

Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

S

Brief Description

A strong, abrasion resistant, fine grained, hardened carbon steel with a smooth surface finish. Used in applications requiring high strength, impact resistance and hardened chain surface such as parts handling.

Primary Components

Carbon steel

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
S	Carbon Steel	-40	+350	NR	-40	+177	NR	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.34	0.35	0.33	0.43	0.31	0.30	0.38
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	0.10	0.10	NR	NR	NR	NR	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.40	0.30	0.30
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	0.10	0.10	0.10

1. 1. It is important to lubricate side-flexing chains in the corners to reduce noise levels; water lubrication is unacceptable due to the potential for corrosion and rusting. Melt resistant material to swell and lose strength.
2. Not available for Rexnord® MatTop® and Multiflex chains.

Regulatory Information

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

SS

Brief Description

Has excellent corrosion and abrasion resistance. Possess resistance to acids, have non-magnetic qualities, good impact resistance, good surface hardness and smooth surface finish. Used in applications requiring corrosion and abrasion resistance, including glass containers and parts handling where water or lubricants are used. The chain life of Rexnord® TableTop® Chains made with austenitic stainless steel material have been demonstrated to have more than 2x the wear life than competitive chains made with ferritic stainless steel.

Primary Components

Austenitic stainless steel

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
SS	Stainless Steel	-100	+800	+212	-73	+427	+100	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.34	0.35	0.33	0.43	0.31	0.30	0.38
Water	0.27	0.30	0.29	NR	0.22	0.21	0.30
Soap and Water	0.14	0.15	0.15	NR	0.15	0.14	0.15
Oil	---	---	---	NR	---	---	---

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.40	0.30	0.30
Water	0.35	0.22	0.22
Soap and Water	0.15	0.15	0.15
Oil	0.15	0.10	0.10

1. It is important to lubricate side-flexing chains in the corners to reduce noise levels.
2. Not available for Rexnord® MatTop® and Multiflex chains.

Regulatory Information

Based on the material chemistries, industry standards, and the documentation in the Federal Registry, it is the opinion of Rexnord that the Rexnord® TableTop® stainless steel chains can be considered GRAS for direct food contact.

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**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

SSB

Brief Description

A special austenitic stainless steel used in applications that require the chain to allow magnetic fields to pass through. In some applications, magnets are used to stabilize or hold products that are conveyed on the top of the chain. Allows magnets to interact with the product without increasing chain tension or drive requirements. Can also be used in mechanical applications were magnetism introduced into the system can cause component malfunction. Has excellent corrosion, abrasion and impact resistance. Also has good surface hardness and a smooth surface finish. Used in corrosive environments where strong acids or bases are present.

Primary Components

Low ferromagnetic austenitic stainless steel

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
SSB	Stainless Steel	-100	+800	+212	-73	+427	+100	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.28	0.47	0.35	0.40	0.30	0.30	0.35
Water	0.19	0.31	0.25	NR	0.20	0.20	0.25
Soap and Water	0.12	0.21	0.15	NR	0.10	0.10	0.15
Oil	---	---	---	NR	---	---	0.15

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.50	0.40	0.40
Water	0.40	0.30	0.30
Soap and Water	0.20	0.20	0.20
Oil	0.20	0.10	0.10

1. It is important to lubricate side-flexing chains in the corners to reduce noise levels.
2. Not available for Rexnord® MatTop® and Multiflex chains.

Regulatory Information

Based on the material chemistries, industry standards, and the documentation in the Federal Registry, it is the opinion of Rexnord that the Rexnord® TableTop® stainless steel chains can be considered GRAS for direct food contact.

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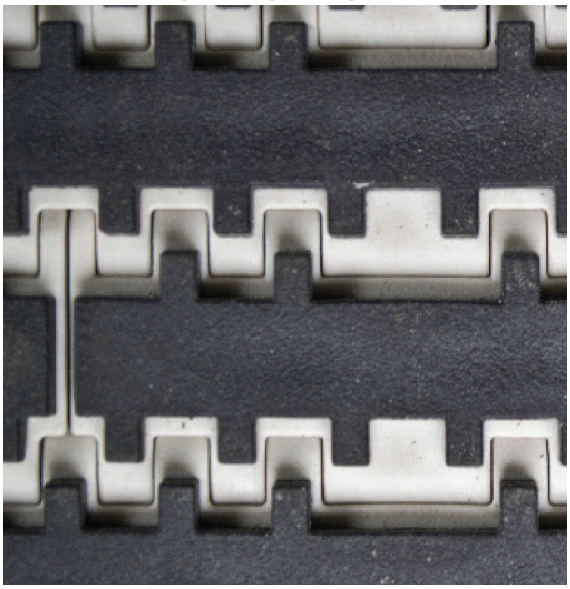
**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

GTC RubberTop® / SuperGrip™



Brief Description

GTC is a high strength, toughened composite material specifically formulated to take constant impact. It's combination of high strength and low stretch along with high friction surface make it excellent for high speed case incline (or decline) conveyors. Has excellent impact resistance as well as good chemical resistance.

Primary Components

High strength, impact modified composite with high friction pads

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
GTC	Gray Tough Composite	0	+180	+140	-18	+82	+60	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	NR	NR	NR	NR	NR	NR	NR
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	0.87***	0.85***	NR	NR

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	0.10

1. Not available for Rexnord® TableTop® and Multiflex chains.

Regulatory Information

***It is not recommended to accumulate on RubberTop® products; however, these values can be utilized when determining brake belt or "hold back" calculations.

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**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

USP

Brief Description

USP is specifically formulated for chemically aggressive pasteurizer, warmer and cooler applications. USP offers advantages that include superior resistance to chemicals used in cleaning and boil-out as well as extended chain life in high-temperature environments. USP material remains stronger and more flexible than plain polypropylene in hot, oxidative environments such as pasteurizers or warmers/coolers. The end result is increased reliability throughout the entire life of the chain

Primary Components

Polypropylene (PP) + Chemical Stabilizers

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
USP	Ultra Stabilized Polypropylene (Dark Green)	+40	+220	+212	+4	+104	+100	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.29	0.29	0.24	0.35	0.32	0.28	0.31
Water	0.19	0.21	0.18	NR	0.24	0.20	0.25
Soap and Water	0.15	0.14	0.10	NR	0.19	0.15	0.17
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.35	0.30	0.30
Water	0.30	0.25	0.25
Soap and Water	0.25	0.20	0.20
Oil	0.10	0.10	0.10

1. Buoyant in water.
2. Not available for Rexnord® TableTop® and Multiflex chains.

Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

Nylatron is a registered trademark of Quadrant Engineering Plastics Products.

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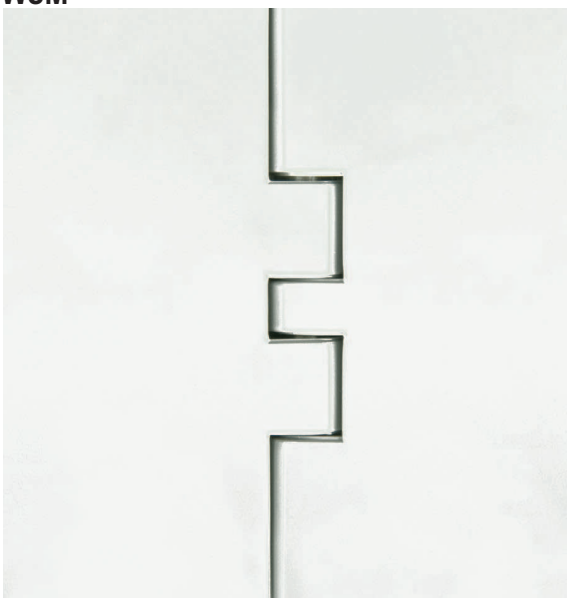
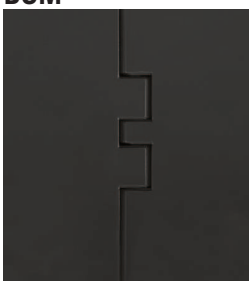
**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

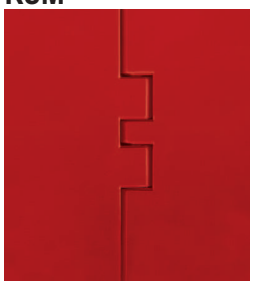
WSM



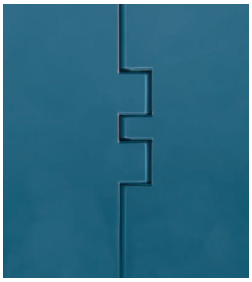
BSM



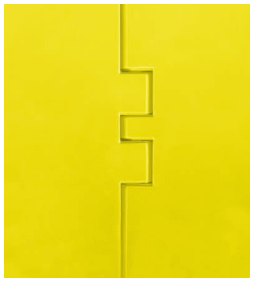
RSM



SMB



YSM



Brief Description

Formulated to be used in applications when superior wear and cut resistance is required. Can be used in both dry and wet conditions and in applications where abrasive wear due to products or environment is a concern. Cut resistant materials are commonly used in the meat processing industry on cutting, boning and trimming lines. Has good impact resistance and is as strong as standard acetal materials.

Primary Components

Cut and abrasive wear resistant acetal (POM)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
WSM	White Cut Resistant	-40	+180	+150	-40	+82	+66	Yes
BSM	Black Cut Resistant	-40	+180	+150	-40	+82	+66	Yes
SMB	Blue Cut Resistant	-40	+180	+150	-40	+82	+66	Yes
RSM	Red Cut Resistant	-40	+180	+150	-40	+82	+66	Yes
YSM	Yellow Cut Resistant	-40	+180	+150	-40	+82	+66	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.20	0.20	0.22
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	0.10

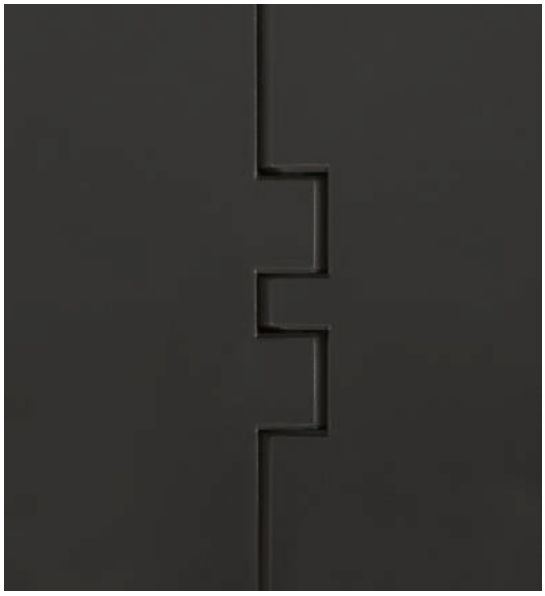
Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

BWX



Brief Description

Formulated to be used in abrasive applications where chain is subjected to abrasives such as glass, sand and dirt. May extend chain wear life up to five times compared to acetal materials. Designed to be used in glass handing applications where abrasive shards of glass can wear other plastic chain materials rapidly. Can also be used in other abrasive applications.

Primary Components

Abrasion resistant nylon (PA)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
BWX	Black Abrasion Resistant Polyamide	-40	+220	NR	-40	+104	NR	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	---	---	---	NR	---	---	---

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	NA	NA	NA

1. It is important to lubricate side-flexing chains in the corners to reduce noise levels at speeds in excess of 60 FPM; however water lubrication is unacceptable because it will cause wear resistant material to swell and lose strength.

Regulatory Information

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

XLA

Brief Description

Internally lubricated, extra low friction acetal for improved wearlife and high strength.

Primary Components

Internally lubricated acetal (POM)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
XLA	Internally Lubricated Polyacetal (Grey)	-40	+180	+150	-40	+82	+66	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.20	0.20	0.15	0.30	0.20	0.20	0.25
Water	0.15	0.18	0.13	NR	0.18	0.18	0.20
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.25	0.20	0.20
Water	0.20	0.18	0.18
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	0.10

1. Used for Low Backline Pressure (LBP) chains

Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

XLG

Brief Description

Internally lubricated, extra low friction acetal for improved wear life and high strength.

Primary Components

Internally lubricated acetal (POM)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
XLG	Low Friction Acetal (Green)	-40	+180	+150	-40	+82	+66	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.20	0.20	0.15	0.30	0.20	0.20	0.25
Water	0.15	0.18	0.13	NR	0.18	0.18	0.20
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.25	0.20	0.20
Water	0.20	0.18	0.18
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	0.10

1. Only available in MCC® TableTop® and MatTop® chains

Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Materials

HCAS

Brief Description

Proprietary acetal material that combines good wear resistance, strength, and low friction characteristics with anti-static properties. It is formulated to reduce or eliminate nuisance static buildup that can occur while conveying heavy products or during product accumulation. Also used to dissipate nuisance sparks for class II type static environments only. Please contact Application Engineering at 262.376.4800 for specific uses for this material.

Primary Components

High capacity anti-static acetal (POM)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
HCAS	High Capacity Anti-static (Black)	0	+180	+150	-18	+82	+66	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	NR	NR	NR	NR

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	NR	0.16	0.16

Regulatory Information

1. Types of Static Environments:
   Class I: Static spark causes explosion. Use stainless steel materials.
   Class II: Static spark is a nuisance charge causing slight shock, possible circuit damage or electrical malfunction
2. Electrical properties: surface resistivity =10^{11} - 10^{13} Ω/sq.
3. HCAS is Teflon® and is silicone free.
4. Wearstrip Recommendations:
   Wearstrips must be grounded to the conveyor frame and must be electrical conductive to be effective. The conveyor frame should also be externally grounded.
5. Strength considerations:
   Rexnord MatTop® chains molded from HCAS material must be derated 15% from their acetal (BSM) counterparts.
6. Depending on application requirements, the entire conveyer chain can be compromised of anti-static material or sections of anti-static material can be interspersed at various intervals.
7. HCAS friction factor should be used when interspersing HCAS links into any other MatTop® material.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

FR-ESD

Brief Description

Proprietary material that combines good wear resistance, strength, and low friction characteristics with electrostatic dissipative and flame retardant properties. It is formulated for conveying heavy, sensitive products that contain electronics or computer chips, where controlling static charge and static decay are of critical importance. Meets the ESD Association Draft Standard SD 4.1 - 1995. Used to dissipate static charges that can occur while conveying products or during product accumulation. Also used to dissipate nuisance sparks for class II type static environments only. Meets the DIN4102-1 B1 flame retardant criteria for construction materials. Please contact Application Engineering at 262.376.4800 for specific uses for this material.

Primary Components

High capacity electrostatic dissipative acetal (POM)

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
FR-ESD	Flame Retardant Electrostatic Dissipative (Black)	0	+180	NR	-18	+82	NR	No

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	NR	NR	NR	NR

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	NR	0.16	0.16

Regulatory Information

1. Types of Static Environments:
   Class I: Static spark causes explosion. Use stainless steel materials.
   Class II: Static spark is a nuisance charge causing slight shock, possible circuit damage or electrical malfunction
2. Electrical properties: surface resistivity =10^{11} - 10^{13} Ω/sq.
3. FR-ESD is Teflon® and is silicone free.
4. Wearstrip Recommendations:
   Wearstrips must be grounded to the conveyor frame and must be electrical conductive to be effective. The conveyor frame should also be externally grounded.
5. Strength considerations:
   Rexnord MatTop® molded from FR-ESD material must be derated 40% from their acetal (BSM) counterparts.
6. Actual dimensions of FR-ESD MatTop® chains will differ +1.5% to +1.8% from nominal dimensions.

NR denotes "not recommended", Dash denotes "combination not tested"

**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

Chemical Table

REXNORD

Engineering Manual Chemical Resistance List

Resistance against chemical agents	POLYAMIDE PA		POLYPROPYLENE PP		POLYETHYLENE PE		ACETAL POM		AISI 303 AISI 304		AISI 316		NICKEL PLATED BRASS		NBR RUBBER		VITON RUBBER	
CHEMICAL AGENT	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C
ACETIC ACID	10	–	40	+	10	+	5	-	20	+	50	+		/		–	20	–
ACETONE	100	+		+		+		/	50	+	25	+		+		–		–
ALUMINIUM CHLORIDE	10	+								–		/				+	Sat.	+
AMMONIA	10	+	30	+		+	Sol.	+	50	+	100	+		–		/		/
AMMONIA CONC.		+		+		+		-								–		
AMMONIUM CHLORIDE	10	+							10	/		/				+	Sat.	+
AMYL ALCOHOL	100	+		+						+		+						+
ANILINE		/	100	+	3	+	3	+	3	+						–		
BEER		+		+		+		+		+				+		+		+
BENZENE		+		+		/		+	70	/						–		
BENZOIC ACID	Sat.	/	Sat.	+					100	/	100	+				+		+
BENZOL	100	+		/		/		+		+		+		+		–		/
BORIC ACID	10	+	Sat.	+	Sat.	+		+	100	/	Sat.	+				+	Sat.	+
BRINE		/	Sat.	+		+		/								+		
BUTTER		+		+		+		+		+				+		+		+
BUTYL ALCOHOL	100	+		+						+		+				/		+
BUTYRIC ACID		–	100	+		+		-	5	+						–		
CALCIUM CHLORIDE	10	+	50	+	Sat.	+		/	10	–		/		+		+	Sat.	+
CARBON SULPHIDE	100	+		+		+		+		+		+				–		+
CARBON		+		–		/		+	10	–		+		+		–		+
CAUSTIC SODA	10	+	52	+	25	+	25	-		+						/	45	+
CHEESE		–		+		+		+								+		
CHLORINATED WATER		+		–		-		-		–						–		
CHLOROFORM	100	–		/		-		-	100	+		+		+		–		+
CHOCOLATE		–				+		+								+		
CITRIC ACID	10	/	10	+		+		/	5	+	25	+		–		+	Sat.	+
CUPRIC SULPHATE	10	+	Sat.	+		+		+	5	+	100	+				+	Sat.	+
DISTILLED WATER		+		+		+		+		+						+		
ETHYL ACETATE	100	+		+					100	/						–		–
ETHYL ALCOHOL	96	+	96	+		+		+	10	+		+		+		/		+
ETHYL CHLORIDE	100	+		–		/		+		+		/		/		–		
ETHYL ETHER	100	+		+		+		+								–		–
FERRIC CHLORIDE	10	+		+					20	–		/				+	Sat.	+
FOOD FATS		+		+		+		+		+						+		+
FOOD OILS		+		+		+		+		+						+		+
FORMALDEHYDE	30	+	40	+		/		+	100	+				+		–	40	+
FORMIC ACID	10	–	100	+	10	+	10	-	5	/				+		–		
FREON 12		+								+						+		/
FRESH WATER		+		+		+		+		+				+		+		
FRUIT JUICES		+		+		+		+		+						+		
GASOLINE		+		/		/		+		+		+		/		/		+
GLYCERINE		+		+		+		+		+		+		+		+		+
HYDROCHLORIC ACID	10	–	30	+	37	+	37	-		–	1	+		/	10	/	37	+
HYDROCHLORIC ACID	2	–	2	+	2	+	2	/							2	/		
HYDROFLUORIC ACID	40	–	40	+	70	+		-		–					65	–	48	+
HYDROGEN PEROXIDE	3	–	30	+		+		-	30	+		+		/	80	–	90	+
IODINE		–		+		+		+								/		
LACTIC ACID	10	+	20	+		+		+	5	+	10	+		–		+		+
LINSEED OIL		+		+					100	+		+				+		+
MAGNESIUM CHLORIDE	10	+	Sat.	+					5	+		/				+	Sat.	+
MERCURY		+	100	+		+		+	100	/		+		/		+		+
METHYL ALCOHOL	100	+		+		+		+	100	/		+		+		/		/
METHYLENE CHLORIDE	100	+		/		/		-		/		/				–		/
MILK		+		+		+		+		+				+		+		+
MINERAL OILS		+		+		+		+		+		+				+		+
MUSTARD		–		+		+		+								+		
NITRIC ACID	10	–		+	5	/	5	-	10	+	65	+			10	–	70	+
OLEIC ACID	100	+		+		/		-	100	/				+		/		/
PARAFFIN		+	100	/		+		+		+						+		
PETROLEUM		+	100	/		-		+		+				+		+		+
PETROLEUM ETHER		+		+		+		+		+		+		+		–		

Chemical Table

Resistance against chemical agents CHEMICAL AGENT	POLYAMIDE PA Conc.% 23°C		POLYPROPYLENE PP Conc.% 23°C		POLYETHYLENE PE Conc.% 23°C		ACETAL POM Conc.% 23°C		AISI 303 AISI 304 Conc.% 23°C		AISI 316 Conc.% 23°C		NICKEL PLATED BRASS Conc.% 23°C		NBR RUBBER Conc.% 23°C		VITON RUBBER Conc.% 23°C	
PHENOL		–		+					10	+		+				–		+
PHOSFORIC ACID	10	–	85	+	95	+	10	-	10	–	50	/		–	20	/	85	+
POTASSIUM	10	+							50	+	50	+				/		+
SEA WATER		+		+		+		/		+		+		+		+		+
SILICONE OIL		+		+												+		+
SILVER NITRATE		+	20	+					60	/						/		+
SOAP AND WATER		+		+		+		+		+						+		
SODIUM CARBONATE	10	+	Sat.	+		+		+	5	+	100	+				+		+
SODIUM CHLORIDE	10	+	Sat.	+		+		+	5	+		/		+		+	Sat.	+
SODIUM HYDROXIDE	10	+	30	+		+	10	+		–				+		/		
SODIUM		+	20	+		+		-		–						–	5	+
SODIUM SILICATE		+							100	+	100	+				+		
SODIUM SULPHATE	10	+	Sat.	+		+		+	5	+	100	+				+		+
SOFT DRINKS		+		+		+		+		+				+		+		
SUDS		+		+												+		+
SULPHURIC ACID	10	–	98	+	40	/	40	-	10	–	100	+		+		–	95	+
TARTARIC ACID		+	10	+		+	30	/	10	+	50	+		–		+		+
TETRALINE		+		–												–		+
TINCTURE OF IODINE		–		+		+		+						–		/		
TRANSFORMER OIL		+		/												+		+
TRICHLORETHYLENE		/		/		+		-		+				+		–		+
TURPENTINE		/		–		-		-		+						–		
VASELINE		+		+		/		+								+		+
VEGETABLE JUICES		+		+		+		+		+						+		
VEGETABLE OILS		+		+		+		+		+						+		
VINEGAR		+		+		+		+		+				+		/		–
WHISKY		+		+		+		+		+				+		+		+
WINE		+		+		+		+		+				+		+		+
XILOL		+		–		/		+		+				/		–		+
ZINC CHLORIDE	10	/	20	+					10	–		/				+	Sat.	+

Why Choose Rexnord?

When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Commitment to customer satisfaction and superior value extend across every business function.

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The highest quality products are designed to help prevent equipment downtime and increase productivity and dependable operation.

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An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.

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Commitment to operational excellence ensures the right products at the right place at the right time.

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Rexnord is a growth-oriented, multi-platform industrial company with leading market shares and highly trusted brands that serve a diverse array of global end markets.

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