

ENGINEERED POLYMERS DIVISION
PLASTICS AND CUSTOM FABRICATION,
RUBBER PRODUCTS, AND DISTRIBUTION

VISIT OUR WEB SITE FOR MORE INFORMATION
WWW.TSE-INDUSTRIES.COM



President's Message...

TSE is a family company in every sense of the word. My parents, Walt and Helen Klingel, started TSE back in 1962. It's been a labor of love ever since.

TSE was built on simple, solid values that have stood the test of time. Our guiding principle remains the same: We treat our customers and employees as we want to be treated. These core values have served us well throughout the years and account for our growth from a small "Mom and Pop Shop" to an industry leader with over 250 dedicated employees.

To those of you whom we have the privilege of calling our customers, please accept my personal thanks for putting your faith and trust in us. We do not take it lightly. For those of you considering doing business with TSE, rest assured that we will do everything possible to earn your trust and to exceed all of your expectations. Give us a try. You'll be glad you did.

Sincerely,
Robert R. Klingel, Sr.
President TSE Industries, Inc.

About TSE Industries...

TSE is a family owned company and takes pride in 40 years of quality work. TSE Industries, Inc. is a business partner you can count on. We're a custom rubber manufacturer and a plastic fabricator. We also produce conveyor components, specialty chemicals and mold release agents. TSE manufactures the finest products at competitive prices in the shortest possible turnaround time. Our knowledgeable representatives answer your questions quickly and accurately. TSE's staff of engineers and chemists provides innovative solutions to difficult design and material problems. We deliver prompt quotes when you need them. Our products are consistent and our deliveries always reliable.

TSE Industries is based in Clearwater, Florida, with six divisions and over 250 dedicated employees occupying 250,000 square feet of facilities.

TSE Industries is a great place to work, offering competitive salaries, a full range of benefits, 401(k) and supplemental insurance. TSE is a great company to do business with by putting the customer first, as always.

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Quality Statement

"TSE Industries, Inc.'s policy is to provide service and products that assure conformance to our customers' requirements and to communicate ethical expectations, while continuously improving our business processes."



Our dedicated employees are our greatest strength. From our Sales Staff to Engineering, from our Fabricators to our Warehouse Team, our goal is to exceed your expectations.



The TSE Quality Objective is to maintain certification to the ISO Quality Management System standard. TSE believes that the ISO Standard is a good foundation for our Quality Management System. It encourages an organized and disciplined approach towards meeting customer requirements and a factual approach to improvements in our products and processes.



Experience

Since 1962, TSE has stood for quality and experience. Machining plastic is different than machining steel. Understanding how each material responds to the machining process helps us to put out the best fabricated parts. Our experienced team of fabrication specialists are true craftsmen who understand how to operate the most sophisticated of CNC Machining and Turning equipment.

Marbett® Components

At TSE, we have a large selection of plastic conveyor components. As part of our strategy to meet the needs of our customers, we recently entered into an agreement with Rexnord® that gives us exclusive distribution rights to their Marbett® line of components. Marbett® has a history of innovation and flexibility and is a great complement to the line of TSE plastics offered today.

Marbett® and TableTop® are registered trademarks of Rexnord Industries, Inc.



Self-Aligning Bearing Units

Another significant Marbett® component line is their Self-Aligning Bearing Units. These units are offered in Polyamide (Nylon) and Stainless Steel housings. Check out our selection of 4 bolt square flange, 3 bolt side flange, and pillow block styles. We also offer antimicrobial versions for extra safety and protection.

Rails

Along with the Marbett® Conveyor Components, TSE now offers a line of Guide Rail sure to meet your needs. Rail is available in Stainless or Galvanized Steel with a variety of UHMW formulations and shapes inserted. Many of the UHMW formulations are FDA and USDA compliant. Just mount with one of our many available Marbett® clamps for an easy solution to your guide rail needs.



Chain Track in Lubricated Formulations

TSE offers a large variety of UHMW formulations for chain tracks. Available in one-piece or two-piece configurations, these precision tracks are low friction for smooth and consistent performance.

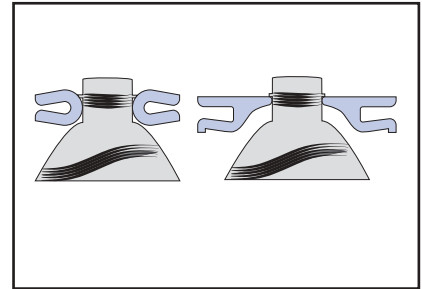


Bearing Housing

TSE's extensive machining capabilities make running parts, such as this bearing housing, a snap. Our CNC capability helps us to make it right; our experience guarantees it!

Neck Rail

TSE offers a variety of neck rail wear profiles. With bottle lines running at higher speeds and higher temperatures, neck rail profiles need to be enhanced to handle the demand. TSE has many new formulations to handle the job.



QC / LAB

To support our high quality, it is important for us to ensure that the raw material coming in meets our specifications. To do this, we have our own "in house" analytical laboratory. We can test for incoming quality to verify the certification of our suppliers that the materials we use are "the best available."

During the manufacturing process, each of our technicians is empowered as a Quality Control Manager to make sure each part is perfect, made to print.

After manufacture, each part goes through an individual inspection process for a final check before shipping to our customer. Only then does it get the TSE "certified" stamp of quality. This process is a significant component of our ISO certification.

Yield Management

With the cost of raw materials rising, TSE has developed sophisticated programs to enhance yield out of raw material sheet. Getting the most out of every sheet is another way TSE helps you get the most for your money.



Router Capability

With our many CNC Routers, we can run a wide variety of finished parts. We run many versions of UHMW, Nylon, and Acetal plate on our Routers. Most of these products are FDA and USDA compliant.

Crystal® Mold Release Division



CRYSTAL® mold release agents are a breakthrough in mold release technology. CRYSTAL® mold release agents are superior water based mold release agents, offering exceptional performance.

CRYSTAL® mold release agents form a strong, clear bond to the mold surface without heating, allowing multiple releases before touch-up. Crystal® mold release agents are a low cost alternative to solvent release agents and are easy to use.



Rubber Products Division



RPD is a custom molder and extruder of elastomers. Materials include Neoprene, Silicone, EPDM, Fluoroelastomers, and Millable Urethane. Finished parts include belts, rollers, seals, suction cups, and conveyor grippers. We offer services such as prototyping, design integration, material selection, and process development. Our manufacturing efforts are complemented by our in house tool making capabilities. Check us out for your custom Rubber needs.



Speciality Chemical Division



Our Specialty Chemical Division is a high quality contract and toll manufacturer. Adhesives, polymers, and elastomers are a few of the many products we can make to your specification. We maintain rigorous QC standards, evidenced by our ISO certification.



Millathane® Products Division



TSE's Millathane® Division is the Worlds largest manufacturer of millable polyurethane rubber. In business since 1962, we utilize the latest technology, techniques, and chemistry available. Our manufacturing facility is designed for the most efficient, quality conscious production possible. Millathane® products offer a unique combination of physical properties which facilitate applications in industrial markets like Business Machinery, Aerospace, Automotive, Textiles, and Footwear.

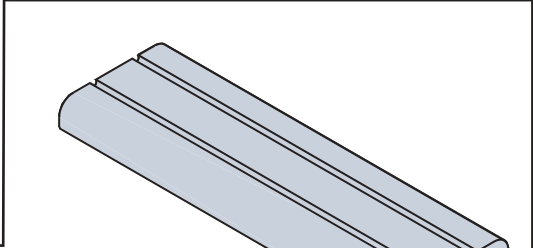


CONVEYOR COMPONENTS

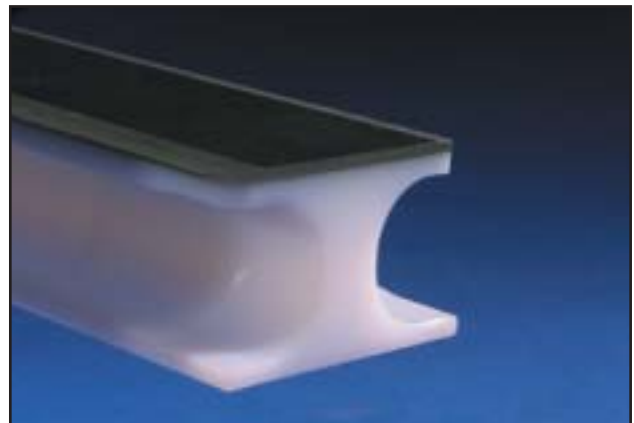
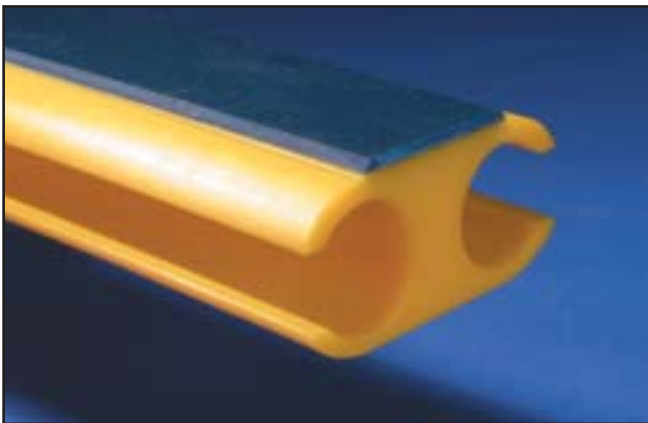
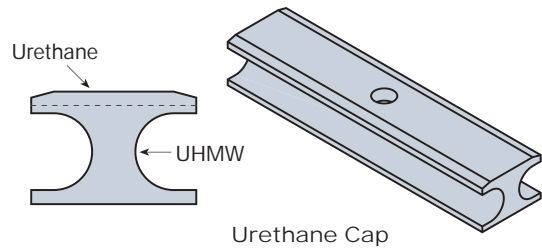
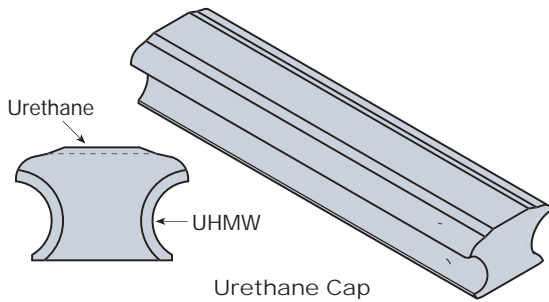
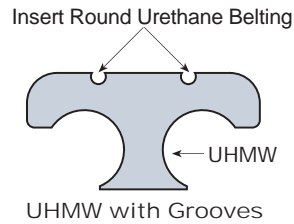
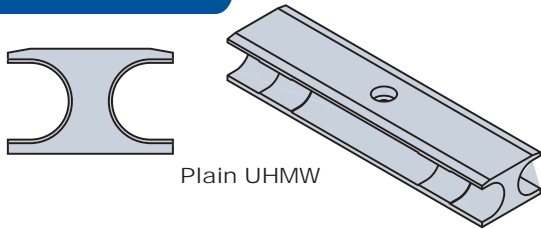
SLAT DIVIDERS

TSE has developed a line of Slat Dividers for use in conveyor applications. TSE has also developed a proprietary Millathane® surface which enhances the grip capabilities of the slats. This tough, urethane based formulation is bonded to the UHMW for the ultimate in long term performance. We also offer a version of slats with machined grooves so round urethane belting can be inserted to enhance grip.

Call us today with your requirements and we will be happy to quote a style that meets your exact needs.

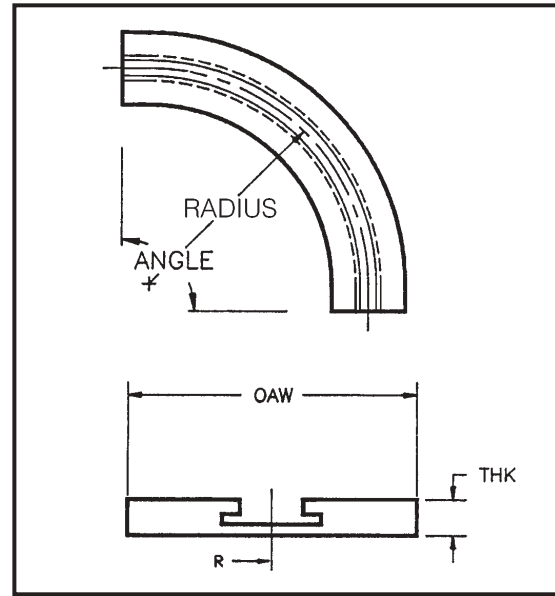
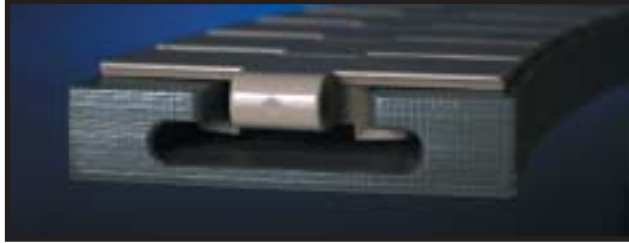


Slat Dividers



CORNER TRACKS STANDARD FOR TABLETOP® CHAIN (TAB STYLE)

TSE One-Piece Corner Tracks for TableTop® Chain can be supplied in a wide range of sizes to fit most of today's Tab Chain Styles. See our custom options on Page 11 for more choices.



TRACK CHAIN TYPE	TRACK OVERALL WIDTH	THICKNESS	RADIUS	ANGLE	MATERIAL *	CURVE PART #	STRAIGHT TRACK P/N
879,880,881 TAB K3-1/4	3-3/4"	1"	18" 24"	90° 90°	See Below	880TC183.7590 880TC243.7590	880TS3.75
879,880,881 TAB K4-1/2	5"	1"	24"	90°	See Below	880TC245.0090	880TS5.00
881 TAB K7-1/2	8"	1"	24"	90°	See Below	880TC248.0090	880TS8.00
882 TAB K4-1/2	5"	1-1/4"	24"	90°	See Below	882TC245.0090	882TS5.00
882 TAB K7-1/2	8"	1-1/4"	24"	90°	See Below	882TC248.0090	882TS8.00
1701 TAB K3-1/4	3-1/4"	1-1/4"	12" 18" 24"	90° 90° 90°	See Below	1701TC123.2590 1701TC183.2590 1701TC243.2590	1701TS3.25
1873,1874 TAB K3-1/4	3-3/4" 3-3/4"	1-3/8" 1-3/8"	18" 24"	90° 90°	See Below	1873TC183.7590 1873TC243.7590	1873TS3.75
1873,1874 TAB K4-1/2	5"	1-3/8"	18" 24"	90° 90°	See Below	1873TC185.0090 1873TC245.0090	1873TS5.00
1873,1874 TAB K7-1/2	8"	1-3/8"	18" 24"	90° 90°	See Below	1873TC188.0090 1873TC248.0090	1873TS8.00

Materials

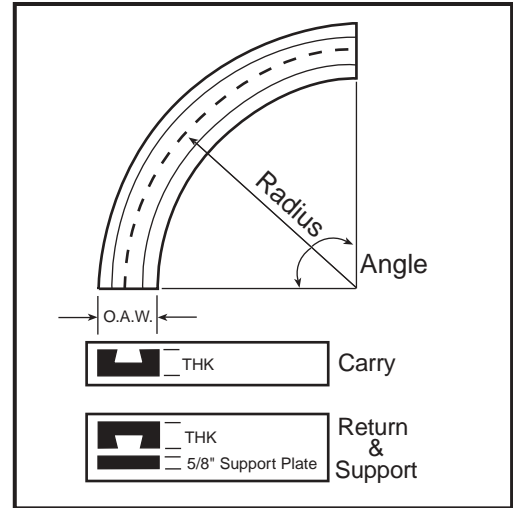
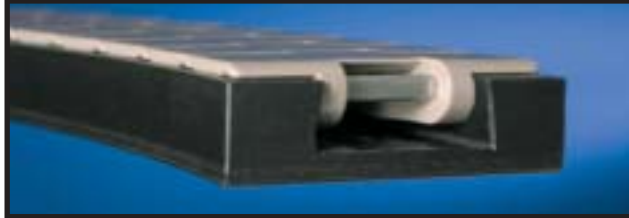
*TSE Corner Tracks come in a variety of materials. Add the suffix below to the Curve Part No. to complete your selection:

- W - Natural UHMW, virgin, basic material selection for curves, FDA compliant #1000
- GL - Gray, lubricated UHMW with enhanced wear properties, FDA compliant #703
- BL - Brown, oil filled UHMW with enhanced wear properties, FDA compliant #845
- SR - Black, static reduced UHMW, FDA compliant #931
- BR - Black, reprocessed UHMW, TSE special formula, R90
- HT - Hi-Temp UHMW, white, FDA compliant, #925
- GF - Green, glass filled UHMW for special applications #675
- MD - Black, moly filled Nylon for maximum speeds and loads

CORNER TRACKS

BEVEL TABLETOP® CHAIN TRACKS

TSE One Piece Corner Tracks are also available to fit most Bevel Style Chain in use today. See our custom options on Page 11 for more choices.



Bevel TableTop® Chain Tracks									
Chain Number	Overall Width	Thickness	Radius	Angle	Material Suffix*	Curve Track Carry P/N	Curve Track Return & Support P/N	Straight Track Carry P/N-(10 FT)	Straight Track Return & Support Plate P/N-(10 FT)
879, 880, 881 K 3 1/4"	3 3/4	1	18"	90°	See Below	880BC183.7590	880BR183.7590	880BS3.75	880BRSS3.75
879, 880, 881 K 3 1/4	3 3/4	1	24"	90°	"	880BC243.7590	880BR243.7590	880BS3.75	880BRSS3.75
879, 880, 881 K 4 1/2	5	1	24"	90°	"	880BC245.0090	880BR245.0090	880BS5.00	880BRSS5.00
881-K 7 1/2	8	1	24	90°	"	881BC248.0090	881BR248.0090	881BS8.00	881BRSS8.00
882-K 4 1/2	5	1 1/4	24	90°	"	882BC245.0090	882BR245.0090	882BS5.00	882BRSS5.00
882-K 7 1/2	8	1 1/4	24	90°	"	882BC248.0090	882BR248.0090	882BS8.00	882BRSS8.00

Materials

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CORNER TRACKS FOR TABLETOP® CHAIN (TAB & BEVEL STYLES)

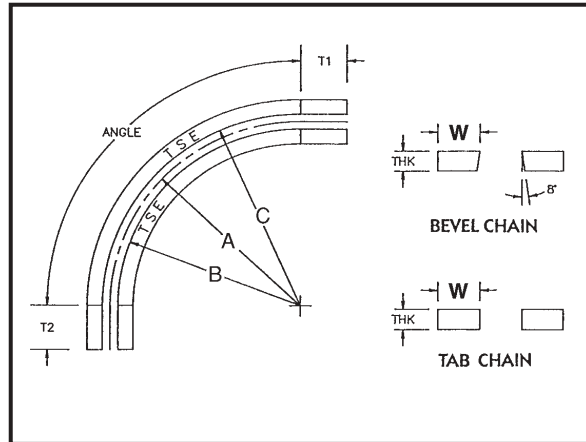
Still the standard with many conveyor manufacturers, two-piece corner tracks have been kept up-to-date through the use of enhanced materials.

We would be happy to discuss your requirements with you. Give us a call or fax this worksheet to us for a quote.

Stock and custom sizes available - call our Customer Service Department
1-800-237-7634 or Fax to: 1-727-572-0487

Information Needed When Ordering Custom Curves

Chain # _____
 Tab or Bevel _____
 Material _____
 Color _____
 THK _____
 CL Radius (A) _____
 Radius (B) _____
 Radius (C) _____
 Width (W) _____
 Angle _____
 Tangents T1 _____
 T2 _____
 Quantity _____



Standard Two-Piece Corner Tracks for TableTop® Chain

Chain Number	Part No.	Angle	Centerline Radius "A"	Radius "B"	Radius "C"	THK.	OAW "W"	Clearance
879 880, 881 BEVEL	TSE-18-1	90°	18"	17 3/16"	18 13/16"	3/8"	1"	1 5/8"
	TSE-24-1	90°	24"	23 3/16"	24 13/16"	3/8"	1"	1 5/8"
	TSE-30-1	90°	30"	29 3/16"	30 13/16"	3/8"	1 1/2"	1 5/8"
882 BEVEL	TSE-24-5	90°	24"	22 55/64"	25 9/64"	5/8"	1 1/2"	29/32"
	TSE-30-5	90°	30"	28 55/64"	31 9/64"	5/8"	1 1/2"	29/32"
879, 880, 881 TAB	TSE-18-2	90°	18"	17 1/8"	18 7/8"	3/8"	1 1/2"	1 3/4"
	TSE-24-2	90°	24"	23 1/8"	24 7/8"	3/8"	1 1/2"	1 3/4"
	TSE-30-2	90°	30"	29 1/8"	30 7/8"	3/8"	1 1/2"	1 3/4"
882 TAB	TSE-24-3	90°	24"	22 55/64"	25 9/64"	5/8"	1 1/2"	2 9/32"
	TSE-30-3	90°	30"	28 55/64"	31 9/64"	5/8"	1 1/2"	2 9/32"
1873, 1874, 3873, 4873, 4874 TAB	TSE-18-4	90°	18"	17 5/16"	18 11/16"	3/4"	1 1/2"	1 3/8"
	TSE-24-4	90°	24"	23 5/16"	24 11/16"	3/4"	1 1/2"	1 3/8"
	TSE-30-4	90°	30"	29 5/16"	30 11/16"	3/4"	1 1/2"	1 3/8"

Materials

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CUSTOM TRACK

Stock and Custom Sizes Available
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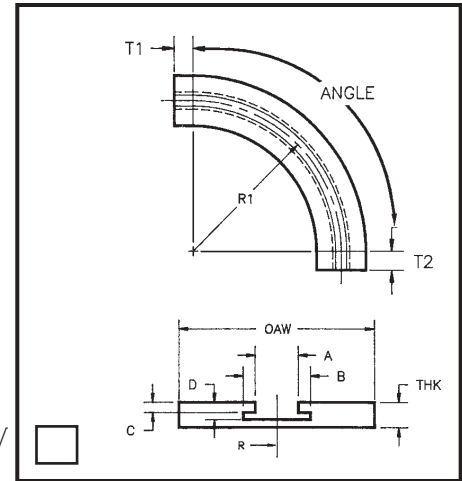
Information Needed When Ordering Custom Curves

Chain # _____
 Tab or Bevel _____
 Support Plate Yes or No
 Material _____
 Color _____
 THK _____
 R1 _____ R2 _____
 R3 _____ R4 _____
 O.A.W. _____
 Angle _____
 Tangents T1 _____
 T2 _____
 Quantity _____

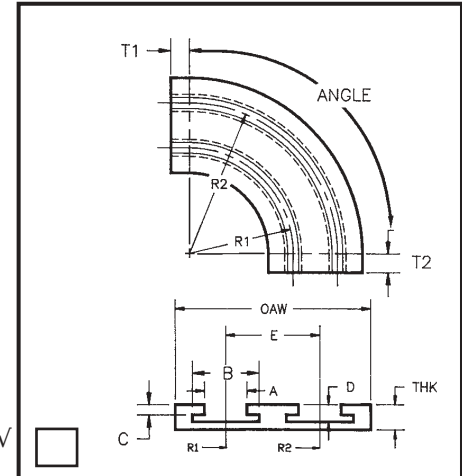
Information Needed When Ordering Straight Track

Chain # _____
 Tab or Bevel _____
 Support Plate Yes or No
 Material _____
 Color _____
 THK _____
 O.A.W. _____
 Length (10' standard) _____
 Quantity _____

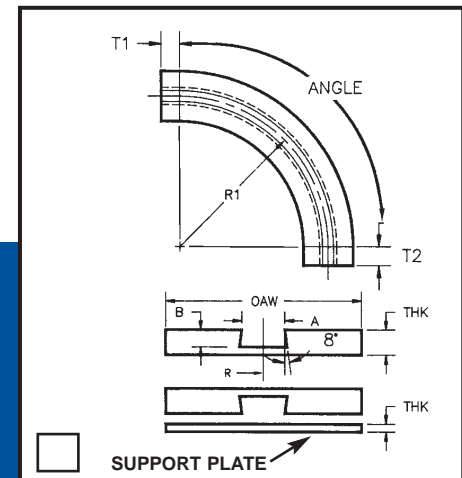
Single Lane Tab Chain Curve



Multiple Lane Tab Chain Curve



Single Lane Bevel Chain Curve



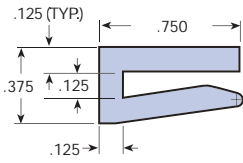
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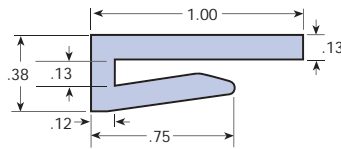
Check One

CONVEYOR COMPONENTS PROFILES

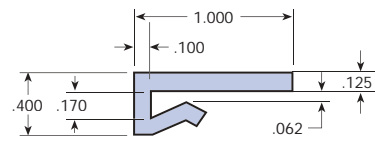
UHMW Flat Bar Coverings



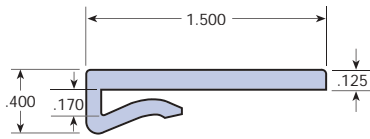
TSE-861-1/8" THK



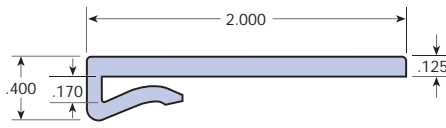
TSE-862-1/8" THK



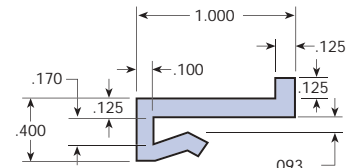
TSE-410-for 1/8" THK



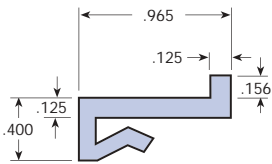
TSE-427-for 1/8" THK



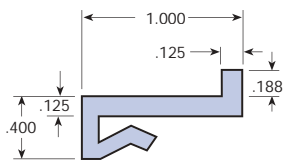
TSE-421-for 1/8" THK



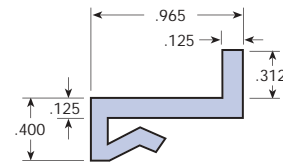
TSE-411-for 1/8" THK



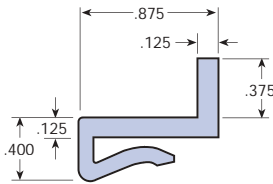
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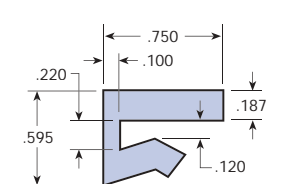
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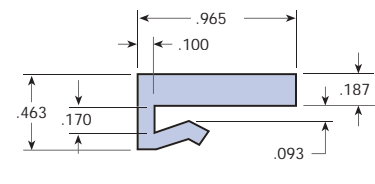
TSE-404-for 1/8" THK



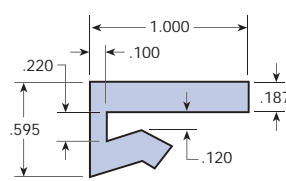
TSE-423-for 1/8" THK



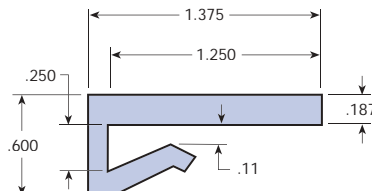
TSE-414-for 1/8" to 3/16" THK



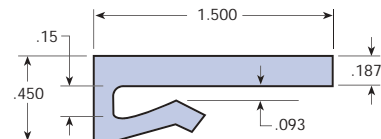
TSE-412-for 1/8" THK



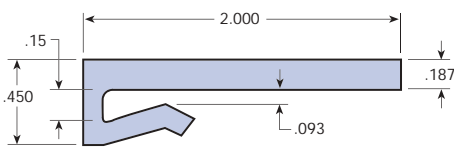
TSE-415-for 1/8" to 3/16" THK



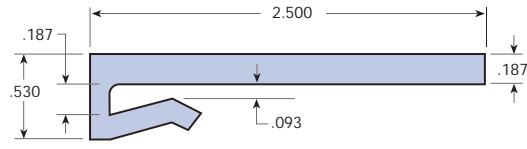
TSE-422-for 1/4" THK



TSE-418-for 1/8" THK



TSE-416-for 1/8" THK

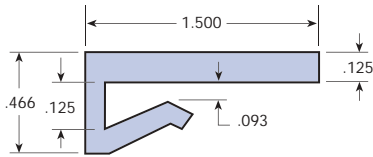


TSE-419-for 1/8" to 3/16" THK

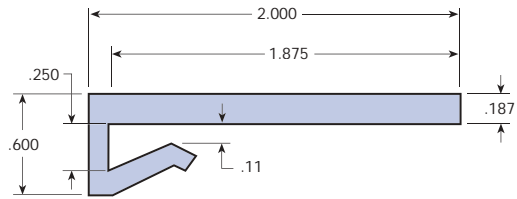
CONVEYOR COMPONENTS PROFILES

UHMW Flat Bar Coverings

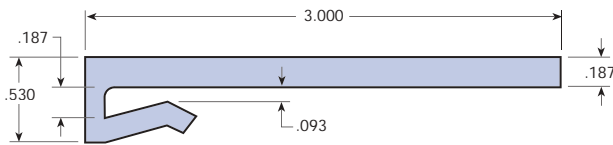
TSE Flat bar coverings are one easy way to add a wear surface. Designed to clip on to steel for a snug fit. Easily removed to make replacement a snap.



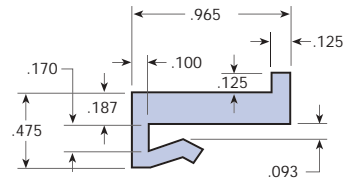
TSE-420-for 1/8" THK



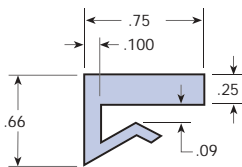
TSE-424-for 1/4" THK



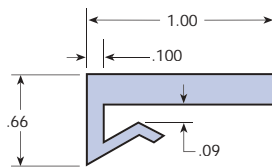
TSE-417-for 1/8" to 3/16" THK



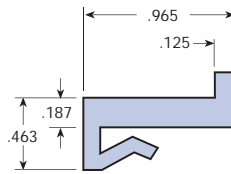
TSE-413-for 1/8" THK



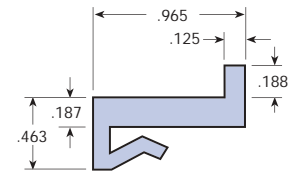
TSE-438-for 3/16" THK



TSE-439-for 3/16" THK

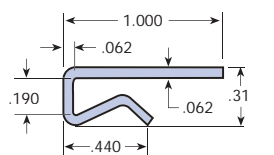


TSE-426-for 1/8" THK

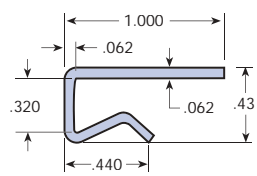


TSE-425-for 1/8" THK

Nylon MD Flat Bar Coverings

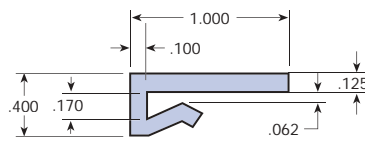


**TSE-226
for 1/8" to 3/16" THK**



**TSE-242
for 1/4" to 5/16" THK**

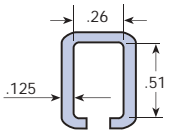
Teflon® Flat Bar Coverings



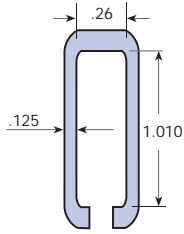
**TSE-410-TFE
for 1/8" THK**

CONVEYOR COMPONENTS PROFILES

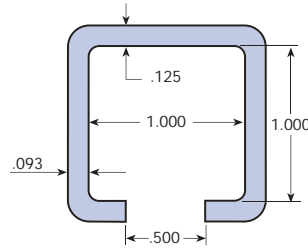
UHMW C-Rail Coverings



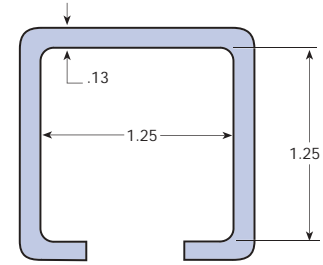
TSE-374 - 1/4" X 1/2"



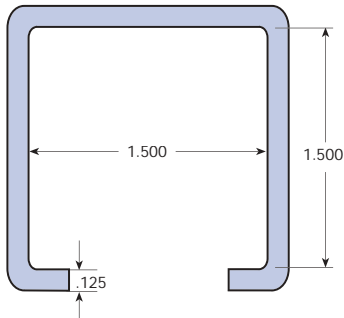
TSE-483 - 1/4" X 1"



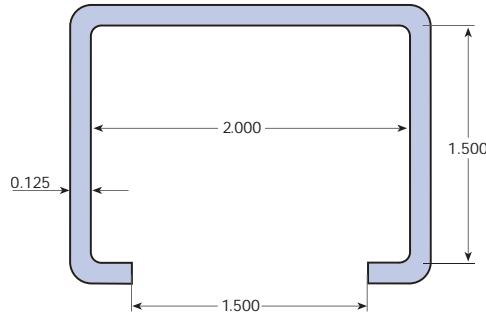
TSE-384 - 1" X 1"



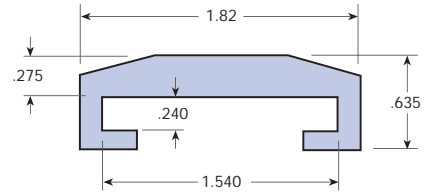
TSE-373 - 1 1/4" X 1 1/4"



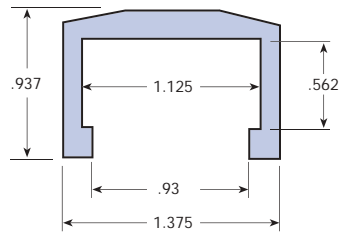
TSE-376 - 1 1/2" x 1 1/2"



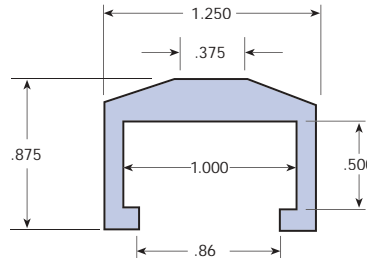
TSE-387 - 1 1/2" X 2"



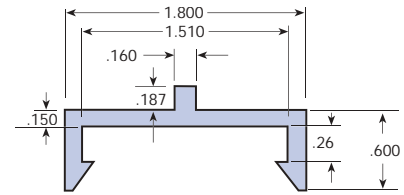
**TSE-486
3/16" X 1 1/2"**



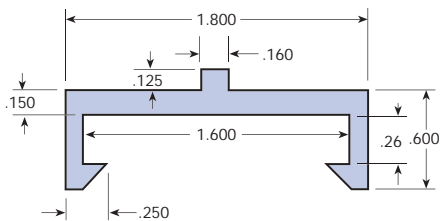
TSE-383 - 9/16" X 1 1/8"



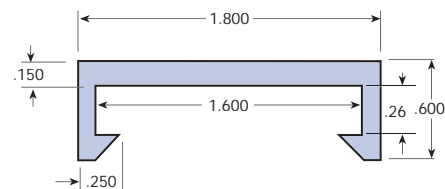
TSE-389 - 1/2" x 1"



**TSE-432
1/4" x 1 1/2"**

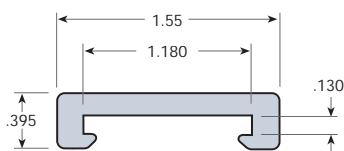


TSE-430 - 1/4" X 1 1/2"

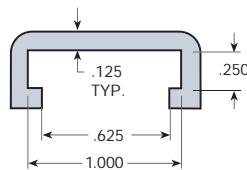


TSE-431 - 1/4" X 1 1/2"

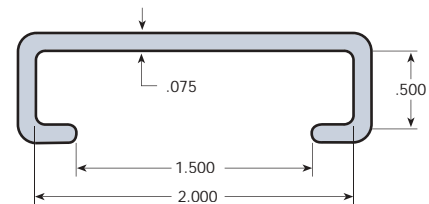
UHMW Flat Bar Coverings



TSE-482 - 1/8" X 1"



TSE-388 - 1/4" X 1"

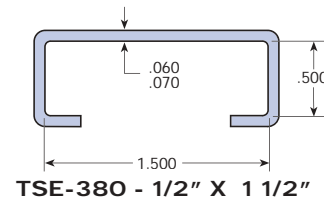
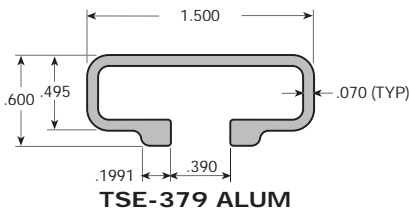
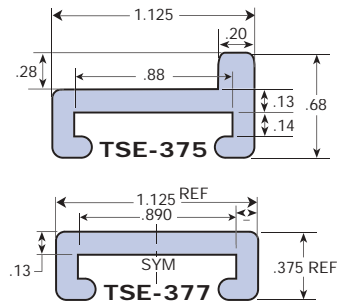
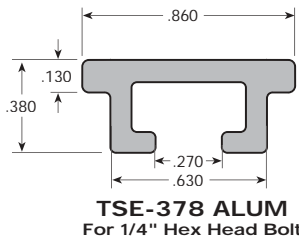
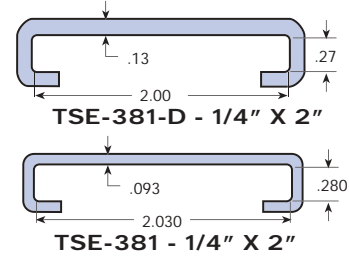
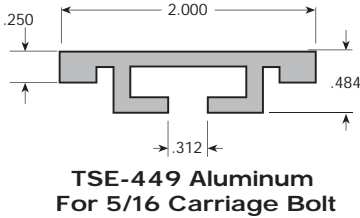
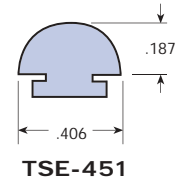
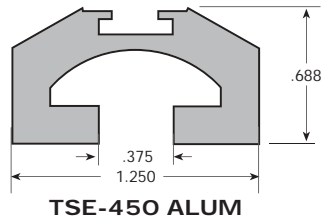


TSE-386 - 1/2" X 2"

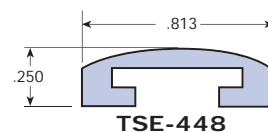
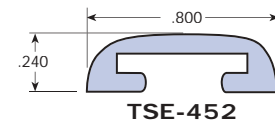
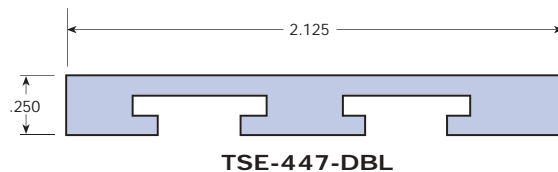
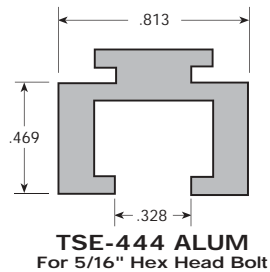
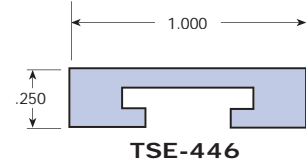
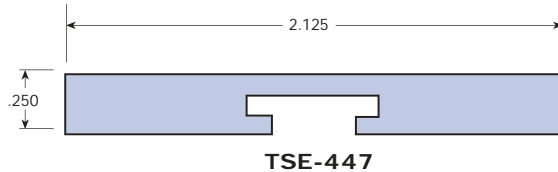
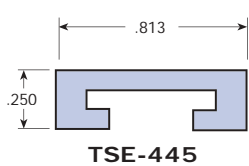
CONVEYOR COMPONENTS

ALUMINUM RAILS & UHMW INSERTS

UHMW and Aluminum Rail Combo

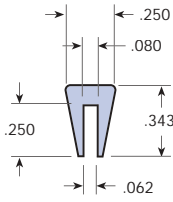


UHMW and Aluminum Rail Combo

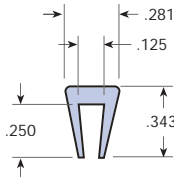


CONVEYOR COMPONENTS PROFILES

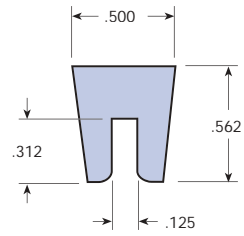
UHMW Bar-Clip-Ons



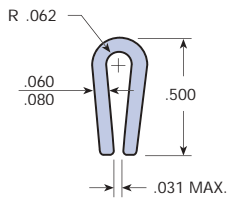
TSE-390-1/16" THK



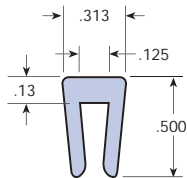
TSE-391-1/8" THK



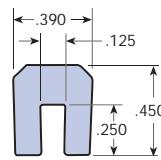
TSE-395-1/8" THK



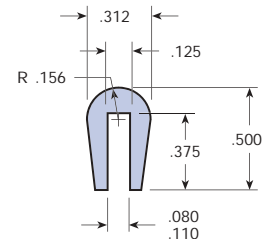
TSE-399-1/8" THK



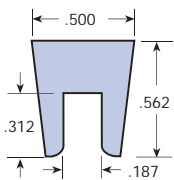
TSE-391-D-1/8" THK



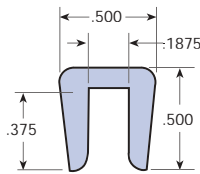
TSE-393-1/8" THK



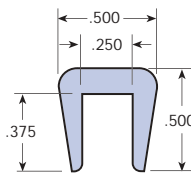
TSE-397-1/8" THK



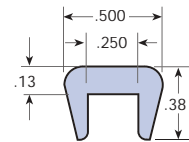
TSE-396-3/16" THK



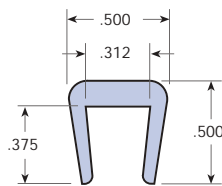
TSE-298-3/16" THK



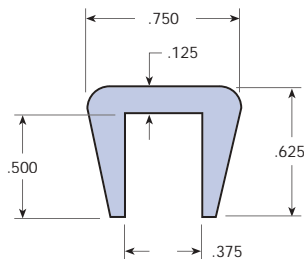
TSE-392-1/4" THK



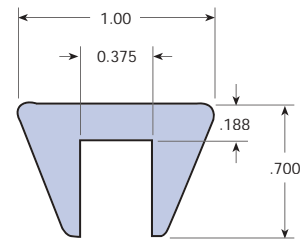
TSE-297-1/4" THK



TSE-398-5/16" THK



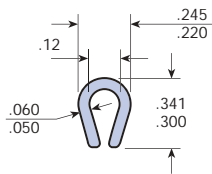
TSE-394-3/8" THK



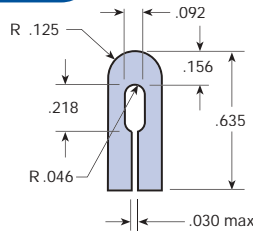
TSE-429-3/8" THK

CONVEYOR COMPONENTS NYLON PROFILES

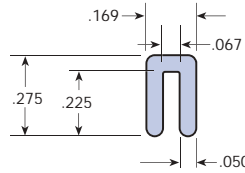
Bar-Clip-Ons Nylon MD



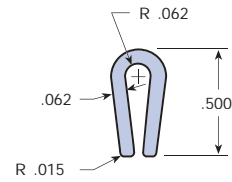
TSE-101-1/16"



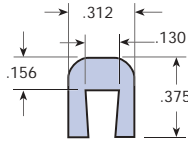
TSE-105-1/16"



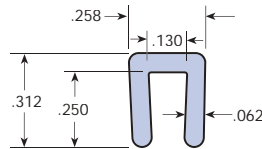
TSE-922-1/16"



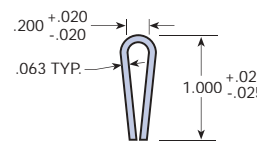
TSE-106-1/8"



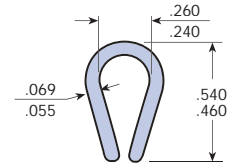
TSE-137-1/8"



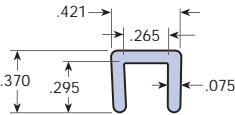
TSE-923-1/8"



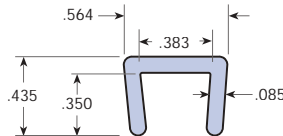
TSE-178-3/16"



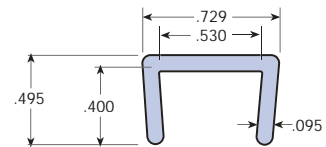
TSE-175-1/4"



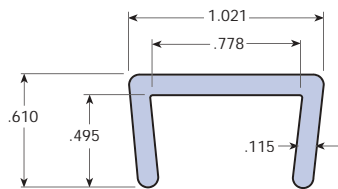
TSE-924-1/4"



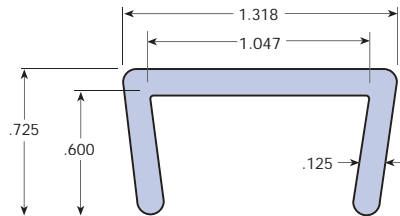
TSE-925-3/8"



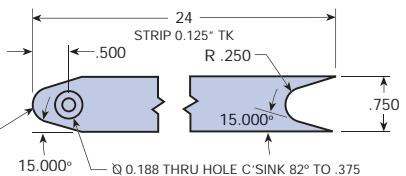
TSE-926-1/2"



TSE-927-3/4"

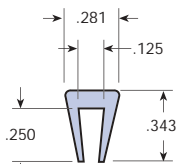


TSE-928-1"

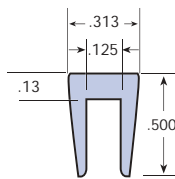


TSE-316 Nylon Wearstrip

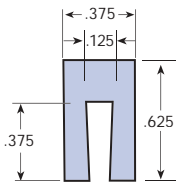
Teflon® Clip On



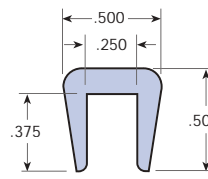
TSE-391-TFE
for 1/8" THK



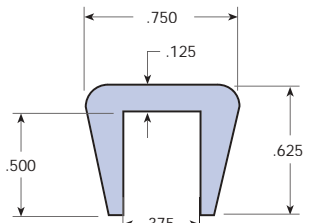
TSE-391-D-TFE
for 1/8" THK



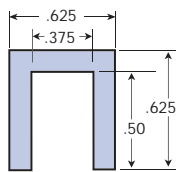
TSE-606-TFE
for 1/8" THK



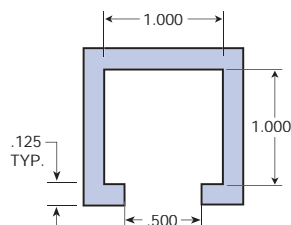
TSE-392-TFE
for 1/4" THK



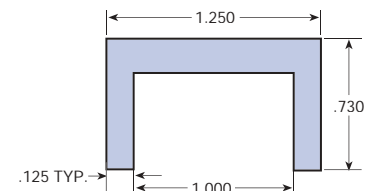
TSE-394-TFE
for 3/8" THK



TSE-607-TFE
3/8"



TSE-384-TFE
1" x 1"

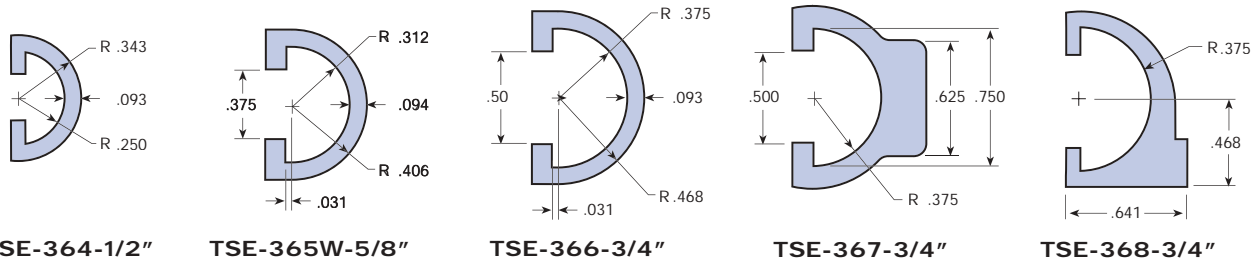


TSE-710-TFE

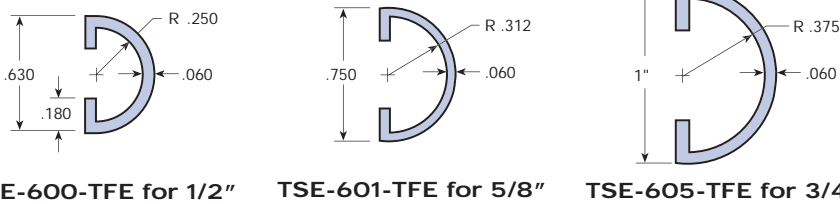
CONVEYOR COMPONENTS PROFILES

UHMW Half-Round Rod Covering

Turn your Round Profile into an enhanced wear surface.
Covering is designed to snap on with ease and stay in place.
Easy to remove or replace with minimal down time.



Teflon® Half-Round Rod Covering

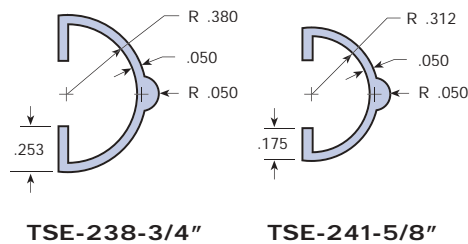


Teflon® Profiles for High Temp Applications

Advantages:

- FDA Compliant
- For use in environments up to 500°F
- Little to no water absorption
- Lowest coefficient of friction
- High corrosive resistance
- Standard length 120"

Nylon MD Half-Round Rod Covering

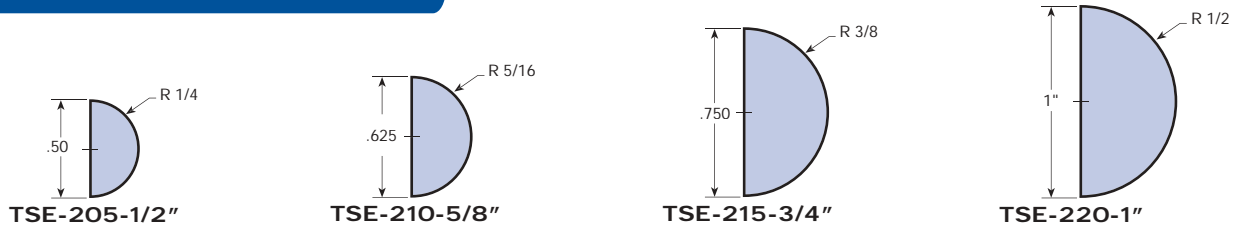


Nylon Profiles for Improved Wear Resistance

Advantages:

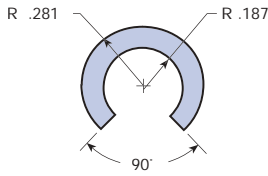
- Enhanced wear performance
- Handles higher loads and speeds
- For use in environments up to 250°F
- Standard length 120"

UHMW Half-Round Rod

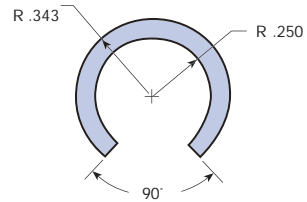


CONVEYOR COMPONENTS TEFLON® PROFILES

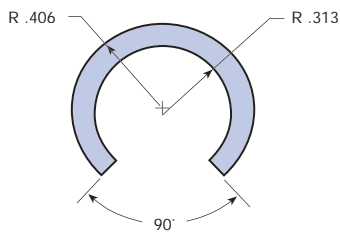
UHMW Full-Round Rod Covering



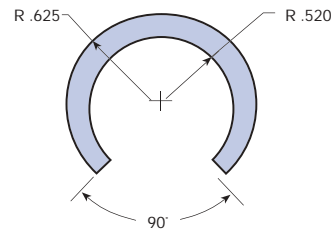
TSE-370-3/8"



TSE-371-1/2"

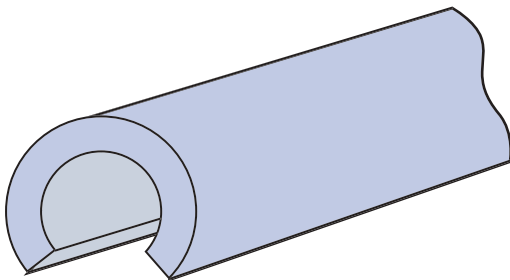


TSE-372-5/8"



TSE-369-1"

Teflon® Full-Round Rod Covering

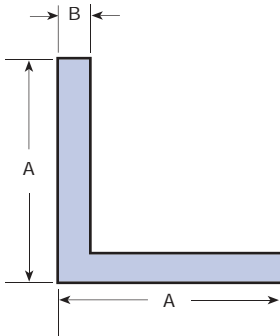


**.063 Wall Also Available
Call For Quote**

TSE Part Number	To Fit	Wall THK.
TSE 602-TFE	1/4" ID	.093
TSE 370-TFE	3/8" ID	.093
TSE 371-TFE	1/2" ID	.093
TSE 372-TFE	5/8" ID	.093
TSE 603-TFE	3/4" ID	.093
TSE 604-TFE	1" ID	.093

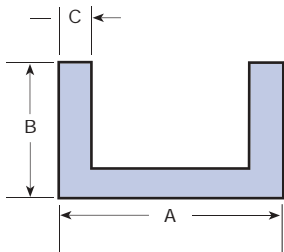
CONVEYOR COMPONENTS PROFILES

Teflon® Angles



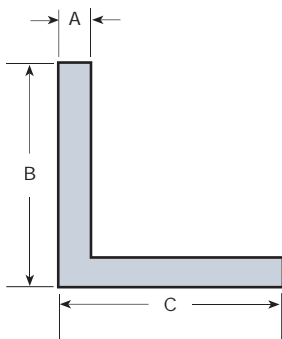
P/N	A ±.050	B ±.015
TSE-611-TFE	1/2	1/16
TSE-612-TFE	1	1/8
TSE-613-TFE	1 1/2	1/4
TSE-614-TFE	2	1/4
TSE-619-TFE	1	1/4

Teflon® U - Shape



P/N	A	B	C ±.015
TSE-615-TFE	1/2	19/32	1/16
TSE-616-TFE	1 1/4	47/64	1/8
TSE-617-TFE	1 7/8	25/32	9/64
TSE-618-TFE	2 1/2	2 1/4	3/16

UHMW Angles



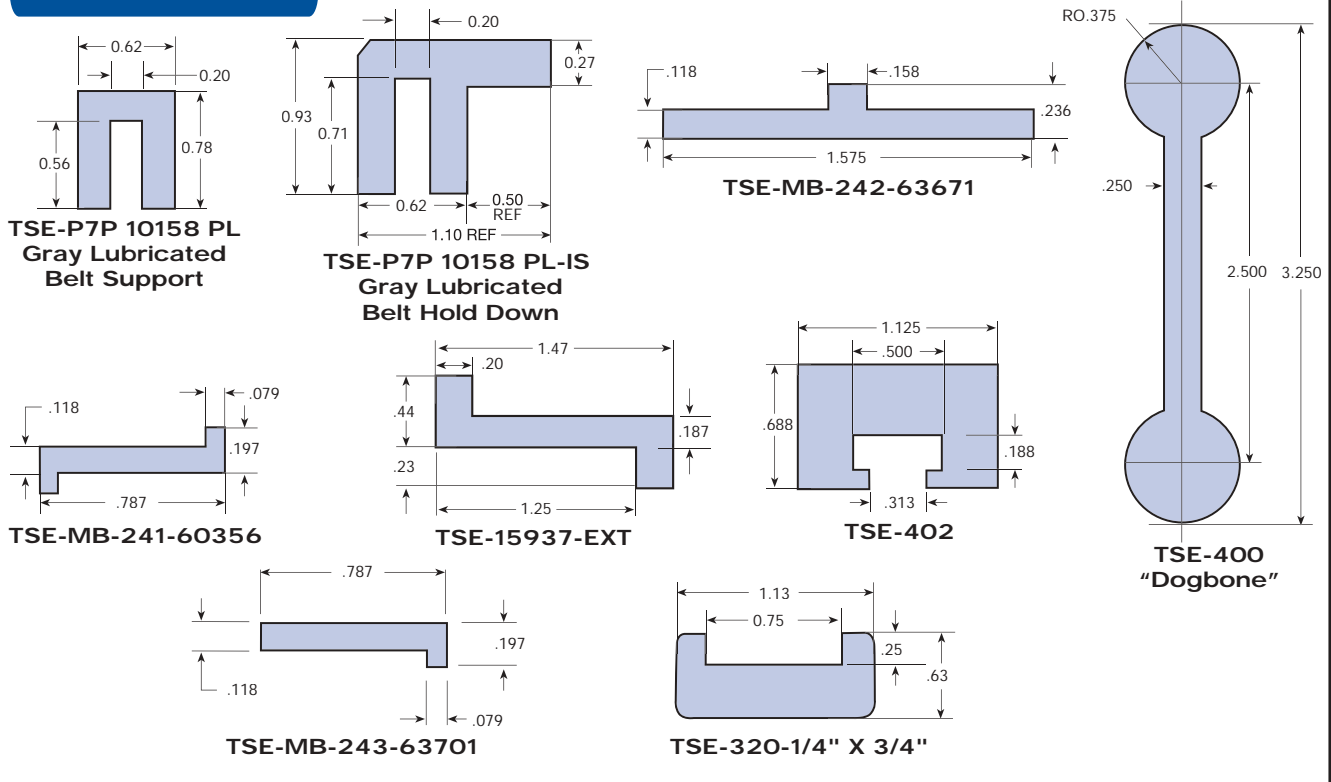
Size	A	B	C
437	1/8	1	1
479	1/8	2	2
468	1/4	1	1
469	1/4	1 1/4	1 1/4
470	1/4	1 1/2	1 1/2
471	1/4	2	2
480	1/2	1 1/2	1 1/2
478	1/2	2	2
481	1/2	2	6
472	1/2	3	3
475	1/2	3 1/2	3 1/2
474	3/4	3	3

Custom Sizes Available
UHMW Natural 120" Lengths

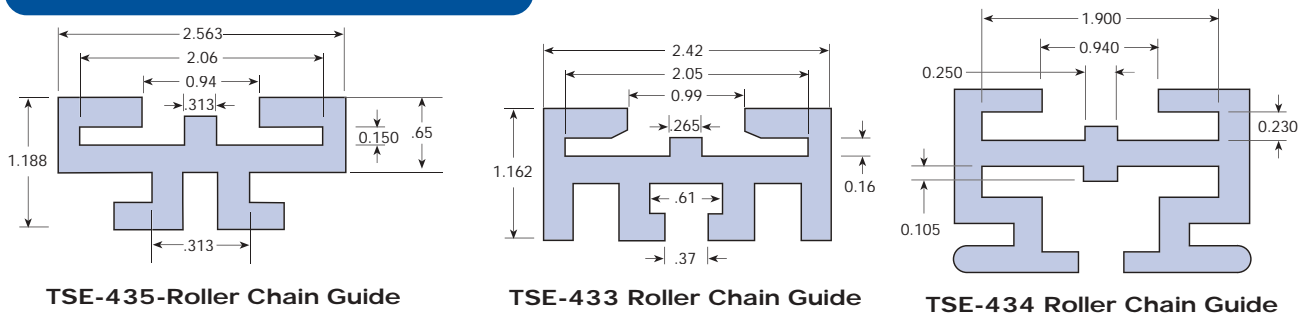
CONVEYOR COMPONENTS

MISCELLANEOUS UHMW PRODUCTS

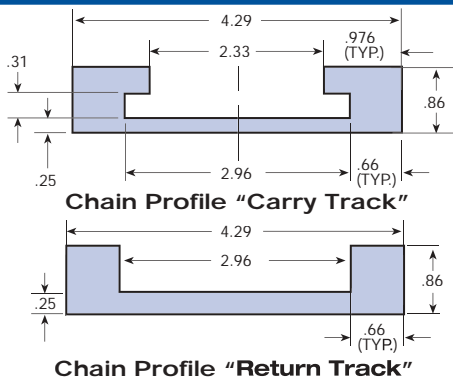
UHMW Profiles



UHMW Roller Chain Guides



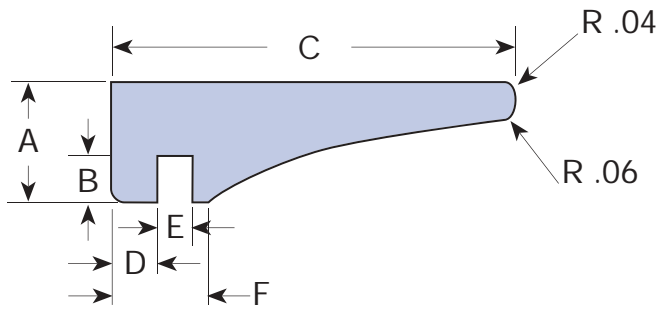
Knuckle Chain Track 2" Pitch



Call Us For Your Custom Curve Requirements

CONVEYOR COMPONENTS PROFILES

UHMW Air Conveyor Neck Guides



Material-Enhanced UHMW

UHMW Green Glass Filled UHMW Black Glass Filled

Part Number Part Number

P-MB-654-655252 P-MB-659-MG54542

Dim. Inches Dim. Inches

A .39 A 0.32

B 0.14 B 0.12

C 1.34 C 1.03

D 0.27 D 0.12

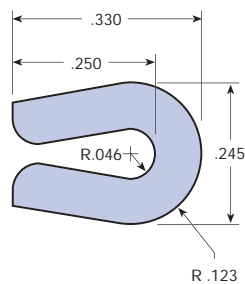
E 0.08 E 0.09

F 0.56 F 0.26

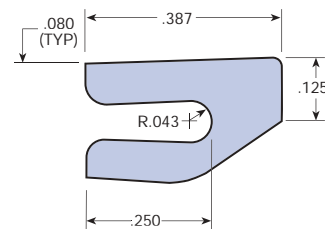
20 Ft. Length

23 Ft. Length

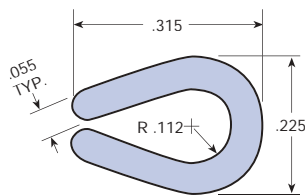
UHMW Air Conveyor Neck Guides



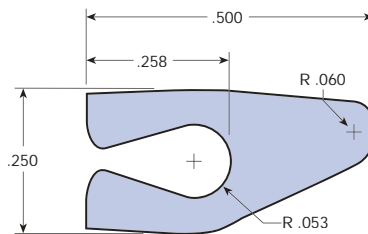
TSE-299
Gray Oil Filled UHMW-E
or Yellow Filled-Y



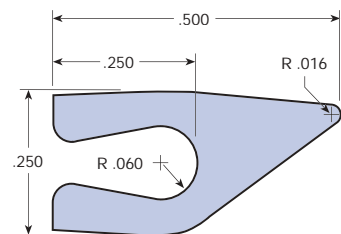
TSE-301
Black Glass Filled UHMW



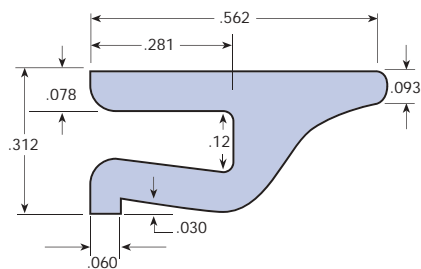
TSE-307
Gray Oil Filled UHMW-E
or Yellow Filled-Y



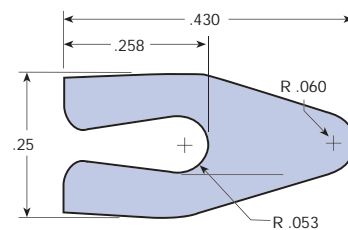
TSE-309
Black Glass Filled UHMW - B
or Gray Oil Filled UHMW - E



TSE-303
Black Glass Filled UHMW - B
or Gray Oil Filled UHMW - E



TSE-306
Yellow Filled UHMW for
Extreme Wear Applications

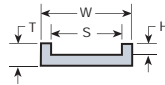
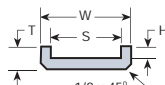


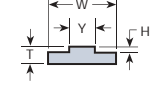
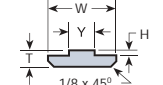
TSE-308
Black Glass Filled UHMW - B
or Gray Oil Filled UHMW - E

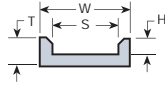
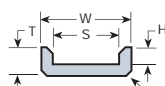
CONVEYOR COMPONENTS

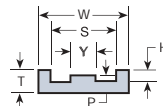
CHAIN GUIDES

Chain Guides UHMW

Profile	ASA Chain No.	T Min.	W Min.	H	P	S	Y
 Profile 1	2040	5/16	1 1/4	1/8	—	7/8	—
	2050	3/8	1 1/4	5/32	—	1	—
	2060	3/8	1 1/2	3/16	—	1 1/4	—
 Profile 2	2080	1/2	2	1/4	—	1 9/16	—
	2100	5/8	2 1/4	5/16	—	1 7/8	—
	2120	5/8	2 3/4	3/8	—	2 3/4	—

Profile	ASA Chain No.	T Min.	W Min.	H	P	S	Y
 Profile 5	2040	5/16	1	.080	—	—	1/4
	2050	5/16	1 1/4	.100	—	—	5/16
	2060	5/16	1 1/4	.115	—	—	7/16
 Profile 6	2080	3/8	1 1/2	.130	—	—	9/16
	2100	1/2	2	.210	—	—	11/16
	2120	1/2	2 1/4	.260	—	—	15/16

Profile	ASA Chain No.	T Min.	W Min.	H	P	S	Y
 Profile 3	2040	1/2	1	1/4	—	3/4	—
	2050	1/2	1 1/4	9/32	—	1	—
	2060	5/8	1 1/2	5/16	—	1 1/4	—
 Profile 4	2080	5/8	2	3/8	—	1 1/2	—
	2100	3/4	2 1/4	7/16	—	1 13/16	—
	2120	7/8	3	9/16	—	2 1/4	—

Profile	ASA Chain No.	T Min.	W Min.	H	P	S	Y
 Profile 7	2040	5/16	1	.140	.080	11/16	1/4
	2050	3/8	1 1/4	3/16	.100	13/16	5/16
	2060	1/2	1 1/2	.213	.115	1 1/8	7/16
	2080	1/2	2	1/4	.130	1 7/16	9/16

Also in the following materials:
NYLON, ACETAL, TEFLON® & OTHERS
 Call for Further Information.



TSE offers a full line of Plastic Chain Guides. These are designed to carry roller chain over a smooth surface. Plastic is the material of choice for quiet operation with no need for lubrication... and long life. TSE chain guides come in a variety of configurations and materials. We also offer galvanized and stainless steel extrusions to give you more mounting options. If you need help with your selection, just give us a call!

**TSE Chain Guides come in a variety of materials. Add the suffix below to the Curve part No. to complete your selection:*

- W - Natural UHMW, virgin, basic material selection for curves, FDA compliant #1000
- GL - Gray, lubricated UHMW with enhanced wear properties, FDA compliant #703
- BL - Brown, oil filled UHMW with enhanced wear properties, FDA compliant #845
- SR - Black, static reduced UHMW, FDA compliant #931
- BR - Black, reprocessed UHMW, TSE special formula, R90
- HT - Hi-Temp UHMW, white, FDA compliant, #925
- GF - Green, glass filled UHMW for special applications #675
- GR - Green, reprocessed UHMW, TSE special formula R60
- MD - Black, moly filled Nylon for maximum speeds and loads

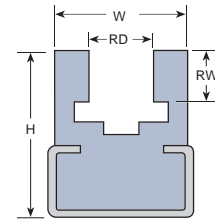
CONVEYOR COMPONENTS

CHAIN GUIDES

Chain Guides

P/N - Type CK

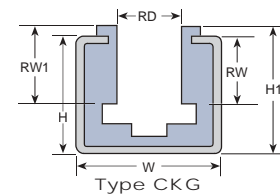
GALVANIZED / UHMW	STAINLESS / UHMW	CHAIN #	STEEL PROFILE	H	RW	W	RD
P-CG-CK25-10G	P-CG-CK25-10S	25	C3	.94	.10	.78	.15
P-CG-CK35-10G	P-CG-CK35-10S	35	C3	.94	.17	.78	.22
P-CG-CK40-10G	P-CG-CK40-10S	40/2040	C3	1.13	.29	1.10	.33
P-CG-CK50-10G	P-CG-CK50-10S	50/2050	C5	1.53	.35	1.50	.42
P-CG-CK60-10G	P-CG-CK60-10S	60/2060	C9	1.95	.47	1.50	.49
P-CG-CK80-10G	P-CG-CK80-10S	80/2080	C9	2.55	.60	1.50	.65



Type CK

P/N - Type CKG

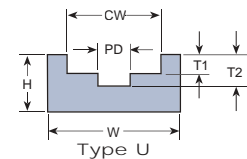
GALVANIZED / UHMW	STAINLESS / UHMW	CHAIN #	STEEL PROFILE	H1	RW	RW1	W	H	RD
P-CG-CKG25-10G	P-CG-CKG25-10S	25	C9		.10		1.50	.71	.15
P-CG-CKG35-10G	P-CG-CKG35-10S	35	C10		.17		1.18	.94	.22
P-CG-CKG40-10G	P-CG-CKG40-10S	40/2040	C10		.29		1.18	.94	.33
P-CG-CKG50-10G	P-CG-CKG50-10S	50/2050	C10		.35		1.18	.94	.42
P-CG-CKG60-10G	P-CG-CKG60-10S	60/2060	C10	1.02	.47		1.18		.49
P-CG-CKG61-10G	P-CG-CKG61-10S	60/2060	C11		.47		1.77	1.58	.49
P-CG-CKG80-10G	P-CG-CKG80-10S	80/2080	C11		.60		1.77	1.58	.65



Type CKG

P/N - Type U (UHMW)

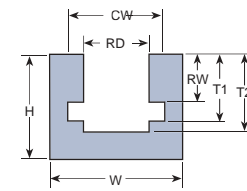
PART #	CHAIN #	H	W	CW	PD	T1	T2
P-CG-U25-10	25	.59	.78	.27	.12	.09	.13
P-CG-U35-10	35	.59	.78	.39	.16	.15	.22
P-CG-U40-10	40/2040	.59	.78	.51	.21	.18	.26
P-CG-U50-10	50/2050	.71	1.10	.67	.28	.24	.35
P-CG-U60-10	60/2060	.71	1.10	.78	.32	.28	.41
P-CG-U80-10	80/2080	.79	1.50	1.04	.43	.30	.47



Type U

P/N - Type K (UHMW)

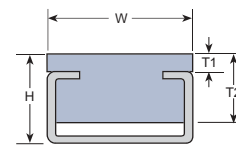
PART #	CHAIN #	H	W	RD	CW	RW	T1	T2
P-CG-K25-10	25	.88	.78	.15	.27	.10	.20	.24
P-CG-K35-10	35	.88	.78	.22	.39	.17	.32	.40
P-CG-K40-10	40/2040	1.05	1.10	.33	.51	.29	.45	.52
P-CG-K50-10	50/2050	1.43	1.50	.42	.67	.35	.55	.61
P-CG-K60-10	60/2060	1.85	1.50	.49	.78	.47	.76	.88
P-CG-K80-10	80/2080	2.45	1.50	.65	1.04	.60	.96	1.19



Type K

P/N - Type CF

GALVANIZED / UHMW	STAINLESS / UHMW	STEEL PROFILE	H	T2	T1	W
P-CG-CF79-10G	P-CG-CF79-10S	C3	.79	.59	.40	.78
P-CG-CF103-10G	P-CG-CF103-10S	C5	1.03	.79	.56	1.10
P-CG-CF116-10G	P-CG-CF116-10S	C9	1.16	.79	.41	1.50
P-CG-CF63-10G	P-CG-CF63-10S	C5	.63	.39	.16	1.10



Type CF

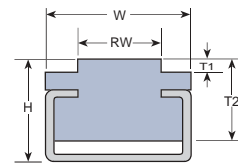
CONVEYOR COMPONENTS

CHAIN GUIDES

Chain Guides

P/N - Type CT

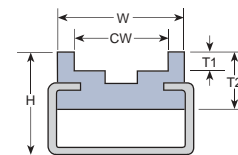
GALVANIZED / UHMW	STAINLESS / UHMW	CHAIN #	STEEL PROFILE	H	T2	T1	W	RW
P-CG-CT25-10G	P-CG-CT25-10S	25	C3	.79	.59	.09	.78	.10
P-CG-CT35-10G	P-CG-CT35-10S	35	C3	.79	.59	.10	.78	.17
P-CG-CT40-10G	P-CG-CT40-10S	40/2040	C3	.79	.59	.10	.78	.29
P-CG-CT50-10G	P-CG-CT50-10S	50/2050	C3	.79	.59	.12	.78	.35
P-CG-CT60-10G	P-CG-CT60-10S	60/2060	C5	.79	.59	.15	1.10	.46
P-CG-CT80-10G	P-CG-CT80-10S	80/2080	C5	.95	.71	.18	1.34	.60



Type CT

P/N - Type CU

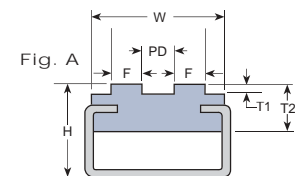
GALVANIZED / UHMW	STAINLESS / UHMW	CHAIN #	STEEL PROFILE	H	T2	T1	W	CW
P-CG-CU25-10G	P-CG-CU25-10S	25	C3	.79	.59	.09	.78	.27
P-CG-CU35-10G	P-CG-CU35-10S	35	C3	.79	.59	.15	.78	.39
P-CG-CU40-10G	P-CG-CU40-10S	40/2040	C3	.79	.59	.18	.78	.51
P-CG-CU50-10G	P-CG-CU50-10S	50/2050	C5	.95	.71	.24	1.10	.67
P-CG-CU60-10G	P-CG-CU60-10S	60/2060	C5	.95	.71	.28	1.10	.78
P-CG-CU80-10G	P-CG-CU80-10S	80/2080	C9	1.16	.79	.30	1.50	1.04



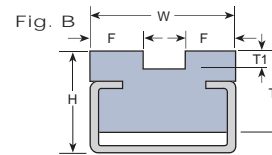
Type CU

P/N - Type CTD

GALVANIZED / UHMW	STAINLESS / UHMW	CHAIN #	H	T2	T1	W	F	PD	FIG
P-CG-CTD25-10G	P-CG-CTD25-10S	25-2	.79	.59	.09	.78	.10	.15	A
P-CG-CTD35-10G	P-CG-CTD35-10S	35-2	.79	.59	.10	.78	.17	.23	A
P-CG-CTD40-10G	P-CG-CTD40-10S	40-2	.79	.59	.10	.85	.29		B
P-CG-CTD50-10G	P-CG-CTD50-10S	50-2	.79	.59	.12	1.06	.35		B
P-CG-CTD60-10G	P-CG-CTD60-10S	60-2	.79	.59	.15	1.34	.47		B
P-CG-CTD80-10G	P-CG-CTD80-10S	80-2	.95	.71	.18	1.75	.60		B



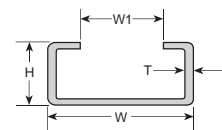
Type CTD



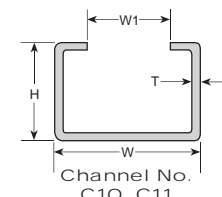
Type CTD

P/N - Channel # Steel or Galvanized
C3, C5, C9, C10, C11

GALVANIZED - PN	STAINLESS - PN	STEEL PROFILE	T	W1	W	H
P-P6PC03-10GS	P-P6PC03-10SS	C3	.06	.39	.78	.39
P-P6PC05-10GS	P-P6PC05-10SS	C5	.08	.55	1.10	.47
P-P6PC09-10GS	P-P6PC09-10SS	C9	.10	.87	1.50	.71
P-P6PC10-10GS	P-P6PC10-10SS	C10	.06	.79	1.18	.94
P-P6PC11-10GS	P-P6PC11-10SS	C11	.08	1.22	1.77	1.575



Channel No.
C3, C5, C9



Channel No.
C10, C11

CONVEYOR COMPONENTS

RIVETS, WEAR STRIPS & EXTRUSIONS

Thermoplastic Drive Rivets

Thermoplastic Drive Rivets

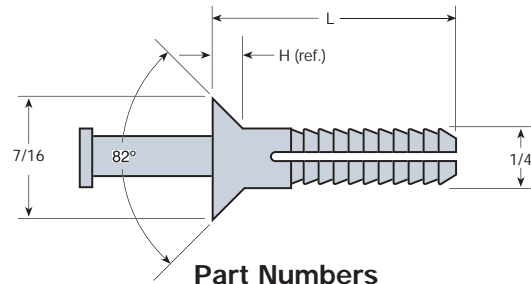
Material: Hi-Impact Nylon rivet with Acetal Pin.

Usage: Attaches wear strips to substrate.

Can be used for slotted holes with washers.
Head can be mounted flush to promote a smooth surface.

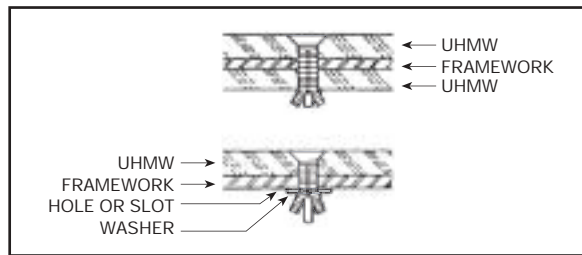
- Install in .257 diameter hole (F-drill)
- Standard countersink
- Can be installed in blind holes
- Easily Installed
- Easily Removed

L	H	Grip	
		Min.	Max.
3/4	.111	3/16	1/2
1	.111	1/4	3/4
1 1/2	.111	3/4	1 1/4

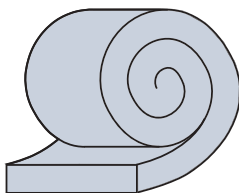


Part Numbers

P-Rivet-34	3/4" Long
P-Rivet-1	1" Long
P-Rivet-112	1 1/2" Long



Continuous Coil UHMW Wear Strips



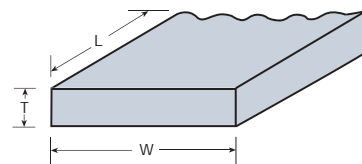
Standard Material: Natural Virgin UHMW

1/8" x 1"	3/16" x 1"	1/4" x 1"
1/8" x 1 1/2"	3/16" x 1 1/2"	1/4" x 1 1/2"
1/8" x 2"	3/16" x 2"	1/4" x 2"

Also Available: Black Repro and Glass Filled UHMW

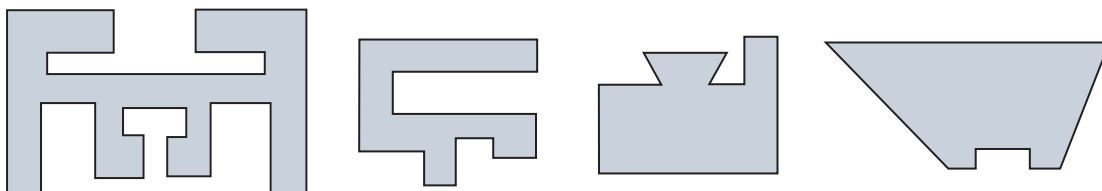
Rectangular Wear Strips

TSE can provide you with a custom wear strip out of many of the materials we stock. Just call us with Thickness, Width, and Length. We'll do the rest!



Custom Machined and Extruded Profiles

Because sometimes standard profiles just don't fit, TSE has developed the capability to provide Custom Fabricated or Extruded Profiles. We can help you design the shape you need, then help in the material selection process. From UHMW to Nylon, Teflon® to PEEK, we can help. Call our Customer Service Team today!



CONVEYOR COMPONENTS MISCELLANEOUS UHMW PRODUCTS

UHMW Conveyor Wear Tape

Standard: UHMW Natural
Available: UHMW Virgin Black or Anti-Static
Available: With or without Adhesive Backing

TSE offers a unique line of UHMW tape. We treat the UHMW thin film to enhance adhesion to an aggressive pressure-sensitive adhesive. This tape is designed to hold in the most demanding mechanical applications.

Applications include lining of conveyors, guide rails, chute liners, chain guides, drawer glides and noise reduction. Excellent abrasion and wear resistance.



UHMW Natural with Adhesive (Skived 54' Rolls)

Thick/ Width	0.003	0.005	0.010	0.015	0.020	0.030
1/4	P6A0327WVOV	P6A0327WVOV	P6A0827WVOV	P6A1027WVOV	P6A1127WVOV	P6A1327WVOV
1/2	P6A0331WVOV	P6A0531WVOV	P6A0831WVOV	P6A1031WVOV	P6A1131WVOV	P6A1331WVOV
3/4	P6A0335WVOV	P6A0535WVOV	P6A0835WVOV	P6A1035WVOV	P6A1135WVOV	P6A1335WVOV
1	P6A0339WVOV	P6A0539WVOV	P6A0839WVOV	P6A1039WVOV	P6A1139WVOV	P6A1339WVOV
1 1/2	P6A0345WVOV	P6A0545WVOV	P6A0845WVOV	P6A1045WVOV	P6A1145WVOV	P6A1345WVOV
2	P6A0349WVOV	P6A0549WVOV	P6A0849WVOV	P6A1049WVOV	P6A1149WVOV	P6A1349WVOV
3	P6A0357WVOV	P6A0557WVOV	P6A0857WVOV	P6A1057WVOV	P6A1157WVOV	P6A1357WVOV
4	P6A0365WVOV	P6A0565WVOV	P6A0865WVOV	P6A1065WVOV	P6A1165WVOV	P6A1365WVOV
5	P6A0373WVOV	P6A0573WVOV	P6A0873WVOV	P6A1073WVOV	P6A1173WVOV	P6A1373WVOV
6	P6A0377WVOV	P6A0577WVOV	P6A0877WVOV	P6A1077WVOV	P6A1177WVOV	P6A1377WVOV
7	P6A0381WVOV	P6A0581WVOV	P6A0881WVOV	P6A1081WVOV	P6A1181WVOV	P6A1381WVOV
8	P6A0385WVOV	P6A0585WVOV	P6A0895WVOV	P6A1085WVOV	P6A1185WVOV	P6A1385WVOV
10	P6A0393WVOV	P6A0593WVOV	P6A0893WVOV	P6A1093WVOV	P6A1193WVOV	P6A1393WVOV
12	P6A0397WVOV	P6A0597WVOV	P6A0897WVOV	P6A1097WVOV	P6A1197WVOV	P6A1397WVOV
18	P6A03A6WVOV	P6A05A6WVOV	P6A06A6WVOV	P6A10A6WVOV	P6A11A6WVOV	P6A13A6WVOV
24	P6A032FWOV	P6A052FWOV	P6A082FWOV	P6A102FWOV	P6A112FWOV	P6A132FWOV



UHMW Natural with Adhesive (50' and 100' Rolls)

Thick/ Width	0.040	0.050	0.060	0.070	0.080	0.090	0.100	0.125
1/2	P6A1431WVOV	P6A1531WVOV	P6A1631WVOV	P6A1731WVOV	P6A1831WVOV	P6A1931WVOV	P6A2131WVOV	P6A2131WVOV
3/4	P6A1435WVOV	P6A1535WVOV	P6A1635WVOV	P6A1735WVOV	P6A1835WVOV	P6A1935WVOV	P6A2135WVOV	P6A2135WVOV
1	P6A1439WVOV	P6A1539WVOV	P6A1639WVOV	P6A1739WVOV	P6A1839WVOV	P6A1939WVOV	P6A2139WVOV	P6A2139WVOV
1 1/2	P6A1445WVOV	P6A1545WVOV	P6A1645WVOV	P6A1745WVOV	P6A1845WVOV	P6A1945WVOV	P6A2145WVOV	P6A2145WVOV
2	P6A1449WVOV	P6A1549WVOV	P6A1649WVOV	P6A1749WVOV	P6A1849WVOV	P6A1949WVOV	P6A2149WVOV	P6A2149WVOV
3	P6A1457WVOV	P6A1557WVOV	P6A1657WVOV	P6A1757WVOV	P6A1857WVOV	P6A1957WVOV	P6A2157WVOV	P6A2157WVOV
4	P6A1465WVOV	P6A1565WVOV	P6A1665WVOV	P6A1765WVOV	P6A1865WVOV	P6A1965WVOV	P6A2165WVOV	P6A2165WVOV
5	P6A1473WVOV	P6A1573WVOV	P6A1673WVOV	P6A1773WVOV	P6A1873WVOV	P6A1973WVOV	P6A2173WVOV	P6A2173WVOV
6	P6A1477WVOV	P6A1577WVOV	P6A1677WVOV	P6A1777WVOV	P6A1877WVOV	P6A1977WVOV	P6A2177WVOV	P6A2177WVOV
7	P6A1481WVOV	P6A1581WVOV	P6A1681WVOV	P6A1781WVOV	P6A1881WVOV	P6A1981WVOV	P6A2181WVOV	P6A2181WVOV
8	P6A1485WVOV	P6A1585WVOV	P6A1685WVOV	P6A1785WVOV	P6A1885WVOV	P6A1985WVOV	P6A2185WVOV	P6A2185WVOV
10	P6A1493WVOV	P6A1593WVOV	P6A1693WVOV	P6A1793WVOV	P6A1893WVOV	P6A1993WVOV	P6A2193WVOV	P6A2193WVOV
12	P6A1497WVOV	P6A1597WVOV	P6A1697WVOV	P6A1797WVOV	P6A1897WVOV	P6A1997WVOV	P6A2197WVOV	P6A2197WVOV
18	P6A14A6WVOV	P6A15A6WVOV	P6A16A6WVOV	P6A17A6WVOV	P6A18A6WVOV	P6A19A6WVOV	P6A21A6WVOV	P6A21A6WVOV

Custom Widths Available

Specifications

Film thickness	.003 thru .125
Adhesive thickness—elastomeric	.005
Tensile strengths, lbs/in	60
Adhesion oz/in min.	70
Operating temperature	180° F max
Coefficient of friction	.11 - .14
Color	White or Black
<i>(Custom colors available. Minimum run required.)</i>	
Width	1/2" thru 18"
Length	18" yds (54 ft) .003 - .030 50' + 100' .040 - .125



CONVEYOR COMPONENTS

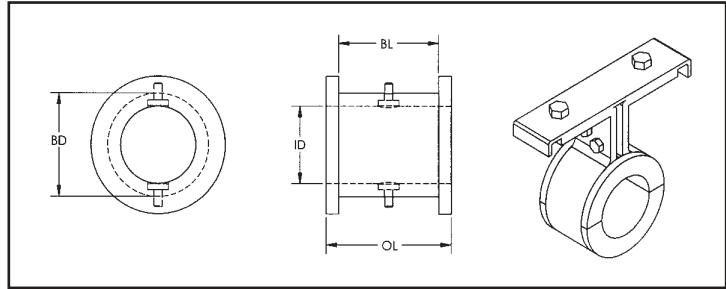
HANGER BEARINGS FOR SCREW CONVEYORS

UHMW - FDA - OIL FILLED - GLASS FILLED - NYLON - TEFLON®

TYPE 226

Fits hanger styles 226, 220, 326, 20B, 26B, 28B

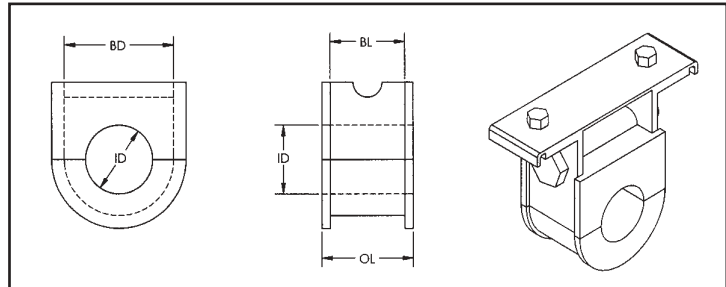
P/N	ID	BD	BL	OL
DX-1000-226	1	1 ¹ / ₂	1 ¹ / ₁₆	1 ⁷ / ₁₆
DX-1500-226	1 ¹ / ₂	2 ¹ / ₈	1 ⁹ / ₁₆	1 ¹⁵ / ₁₆
DX-2000-226	2	2 ³ / ₄	1 ⁹ / ₁₆	1 ¹⁵ / ₁₆
DX-2716-226	2 ⁷ / ₁₆	3 ¹ / ₄	2 ³ / ₈	2 ¹⁵ / ₁₆
DX-3000-226	3	4	2 ³ / ₈	2 ¹⁵ / ₁₆
DX-3716-226	3 ⁷ / ₁₆	4 ³ / ₄	3 ¹ / ₈	3 ¹⁵ / ₁₆



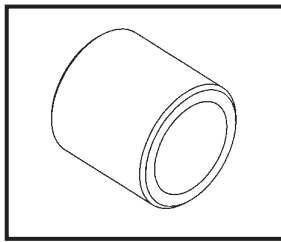
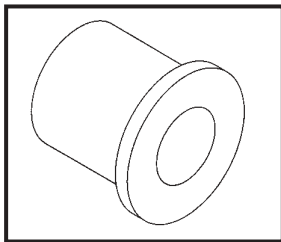
TYPE 230

Fits hanger styles 230, 216, 316, 16B, 216F

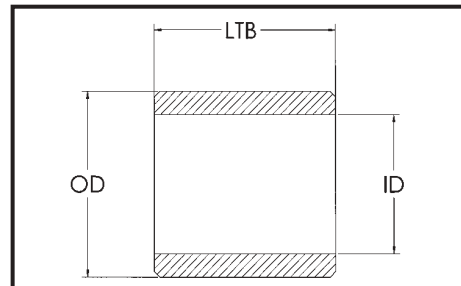
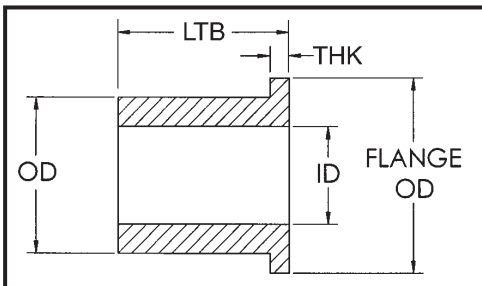
P/N	ID	BD	BL	OL
DX-1000-230	1	1 ⁹ / ₁₆	1 ¹ / ₈	1 ⁷ / ₁₆
DX-1500-230	1 ¹ / ₂	2 ¹ / ₄	1 ³ / ₈	1 ¹⁵ / ₁₆
DX-2000-230	2	3 ¹ / ₄	1 ⁵ / ₈	1 ¹⁵ / ₁₆
DX-2716-230	2 ⁷ / ₁₆	4	1 ⁵ / ₈	2 ¹⁵ / ₁₆
DX-3000-230	3	4 ¹ / ₂	2 ¹ / ₈	2 ¹⁵ / ₁₆
DX-3716-230	3 ⁷ / ₁₆	4 ⁷ / ₈	2 ¹¹ / ₁₆	3 ¹⁵ / ₁₆



TSE CUSTOM BEARINGS are available in most Engineered Plastics... from UHMW to Teflon®. Please call our customer service team for help in selecting the right material for your application.



Flange OD _____
 O.D. _____
 ID _____
 LTB _____
 THK _____
 Material _____
 Quantity _____



CONVEYOR COMPONENTS

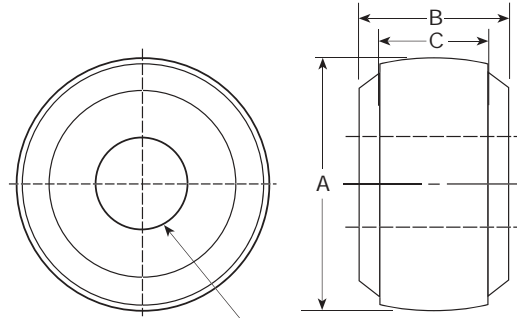
BEARING INSERTS & PILLOW BLOCKS

Custom High Temp or Heavy Duty Self-Aligning Cast Housing Bearing Inserts

TSE manufactures a line of Plane Bearing Inserts that are designed to fit in most standard cast metal housings. These inserts are designed to be self-aligning and are available in a variety of materials, including FDA and USDA compliant versions.

TSE Plane Bearing Inserts are also designed to fit most standard Pillow Block, Take-up, and Flange Housings.

Call us if you have any questions!



Shaft Dia.

Materials Available:

- UHMW
- Nylon
- Teflon®
- Acetal
- Enhanced Materials

Custom Bearing Order

A _____

B _____

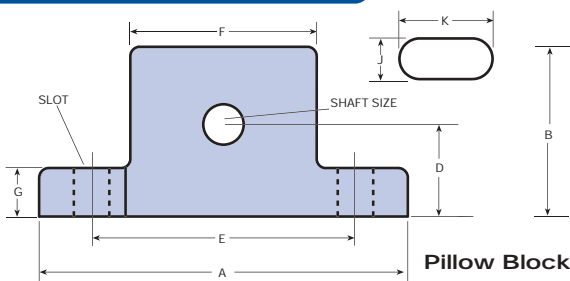
C _____

Shaft Size _____

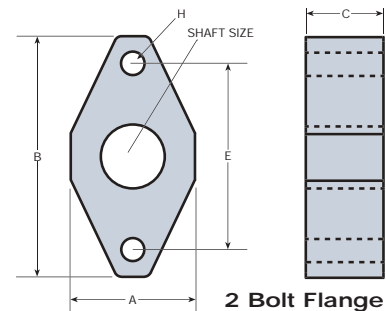
Material _____

Quantity _____

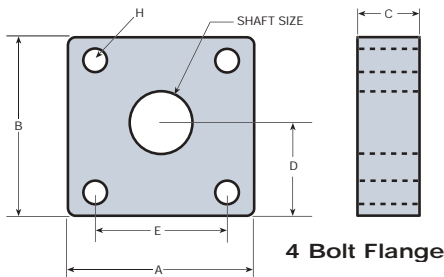
Custom Pillow Blocks



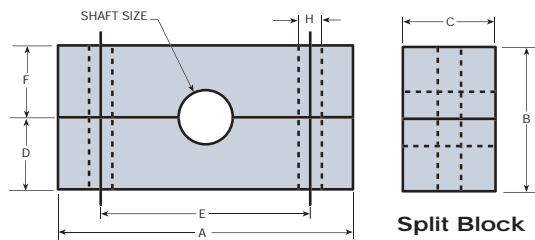
Pillow Block



2 Bolt Flange



4 Bolt Flange



Split Block

Shaft size _____

Style _____

Material _____

Quantity _____

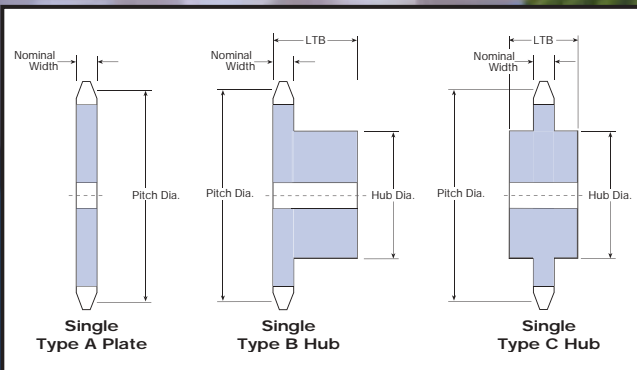
Unless otherwise instructed all products will be made to industry standards.

A _____ B _____ C _____ D _____ E _____

F _____ G _____ H _____ J _____ K _____

CONVEYOR COMPONENTS

SPROCKETS, GEARS & TIMING BELT PULLEYS



What we need to quote your Sprocket project:

Chain Type # _____ Number of Teeth _____

Hub Type _____ Hub Dia. _____ Pitch _____

Bore Type & Size _____ Keyway _____

Set Screws _____ Split or One-Piece _____

Outside Dia. _____ Nominal Width _____

Pitch Dia. _____ Length Thru Bore (LTB) _____

Quantity _____

What we need to quote your Timing Belt Sprocket:

Belt Type _____ Pitch _____ Belt Width _____

Number of Teeth _____ Hub Type _____ Hub Dia. _____

Pitch Dia. _____ O.D. _____ LTB _____

Bore Dia. _____ Keyway _____ Set Screws _____

Face Width _____ Flanges Yes or No _____

Material _____ Quantity _____

What we need to quote your Spur Gear project:

Diametric Pitch _____ Pressure Angle _____

Number of Teeth _____ Hub Dia. _____

Hub Type _____ Pitch Dia. _____ O.D. _____

Face Width _____ LTB _____ Bore Dia. _____

Keyway _____ Set Screws _____

Material _____ Quantity _____

Made to Order!



Made to Order!

- Wire Belt Sprockets
- Roller Chain Sprockets
- Waste Water Sprockets
- Mill Sprockets
- A, B, C Hubs
- Keyways/Setscrews
- Available in All Materials

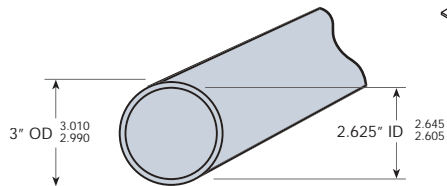
Benefits of Plastic Gears and Sprockets

- Lightweight for improved efficiency
- Can reduce or eliminate lubrication requirements
- System reduces noise
- Will not rust or corrode

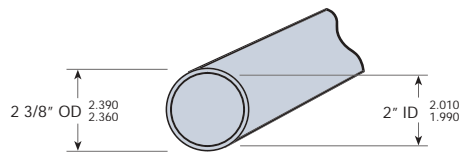
CONVEYOR COMPONENTS ACCESSORIES

UHMW Power Conveyor Roller Sleeves

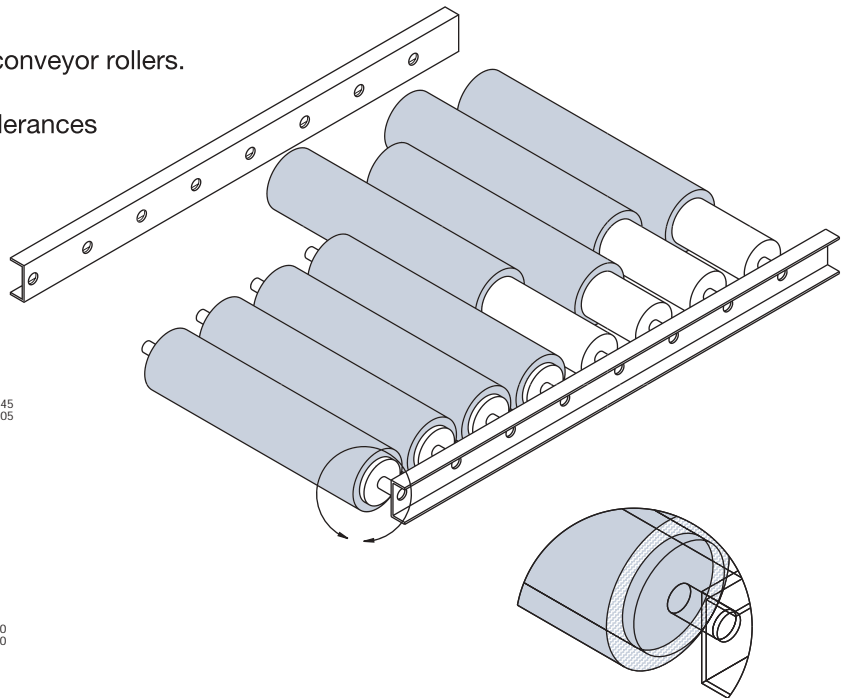
- Available in 120" lengths
- Slip fit UHMW covers for power conveyor rollers.
- Black reprocessed UHMW
- Extruded shape for consistent tolerances



For 2.5" Rollers



For 1.9" Rollers



UHMW sleeves, with their smooth surface finish, allow accumulation of product on power roller conveyors without damaging or marring conveyed products.

UHMW Black Repro - 10' Lengths

Conveyor sleeves are available to fit most roller sizes.
For a price quotation or more information call
TSE customer service representatives.

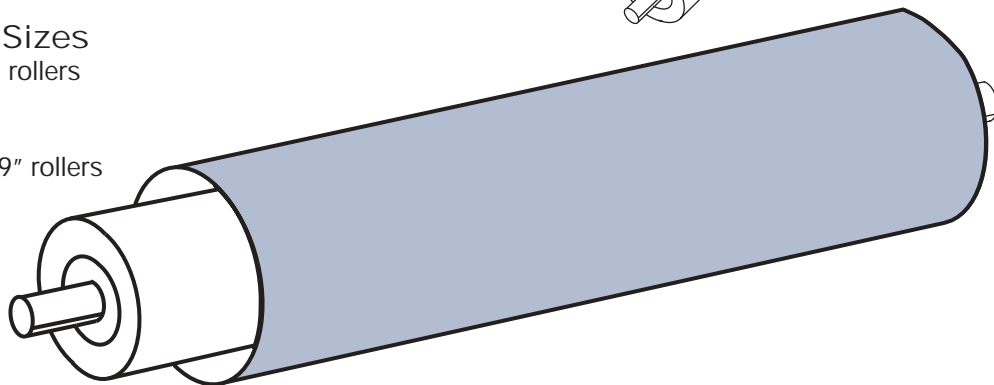
2 Standard Sizes

3" OD for 2 1/2" rollers

2 5/8" ID

2 3/8" OD for 1.9" rollers

2" ID

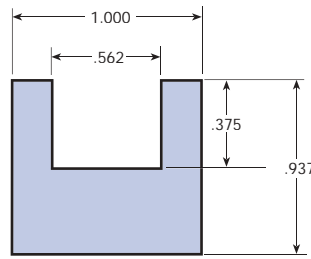


CONVEYOR COMPONENTS

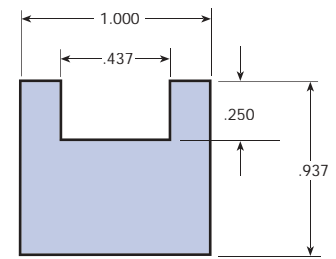
CABLE GUIDES & CABLE IDLERS

UHMW Cable Guides

TSE can line cable guides are machined from the finest UHMW to ensure a smooth, friction-free running surface for all cables. It is common to double cable life through their use.



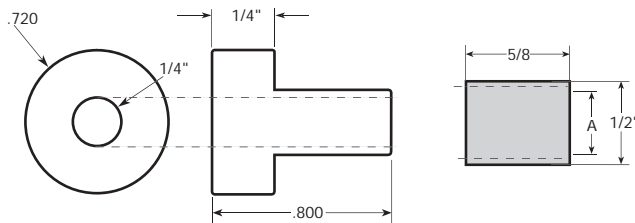
TSE-461 - 1/2" Cable



TSE-460 - 3/8" Cable

UHMW Cable Pulleys For 3/8 Dia. Cable

TSE-06377
Polyethylene spacer 3/4" O.D. x 1/4" wide for use with TSE-06497-2 bushing

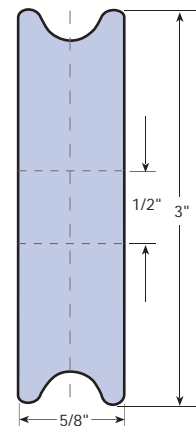


TSE-06497-1 1/4" (A)
TSE-06497-2 3/8" (A)
Stainless Steel Bushings

TSE-06497
UHMW green and white can line cable pulleys with stainless bushing. Specify 1/4" I.D. or 3/8" I.D. bushing.



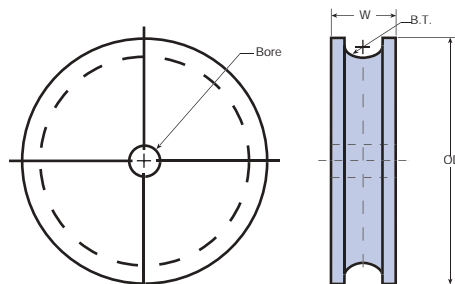
TSE-06497



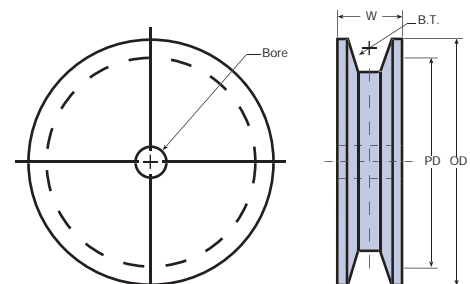
Custom Plastic Sheaves

Custom Orders

OD _____
Bore _____
Keyway _____
Belt Type(BT) _____
Width (W) _____
Pitch Dia. (PD) _____
Quantity _____
Material _____



Round Belt Pulley



V Belt Sheave

CONVEYOR COMPONENTS

THERMOSET RUBBER GRIPPER ELEMENTS

TSE offers a variety of gripper elements. These elements, as part of a chain system, help to grasp and hold products firmly in a conveyor.

POLYMERS:

- EPDM
- Neoprene
- Nitrile
- Millathane® (Millable Urethane)
- Natural Rubber

Hardness Range: (Durometer)

- 40 - 80 Shore A

Description:








- High quality thermoset rubber gripper elements available in a number of shapes and lengths.
- Gripper elements complement chain performance with high cut and abrasion resistance, good compression set, and excellent resistance to heat. They provide uniform pressure distribution and minimize adjustment requirements.

- Standard Length
1" - 3 3/8"
Custom lengths available

- Color
Black and white standard
EPDM is blue
Additional colors on request.

Available in FDA / USDA compliant versions.

Call our customer service representatives for availability

Shape #	Description	Standard Material
 12967	D Style	Neoprene EPDM
 12968	Square Top	Neoprene EPDM
 12970	3 Finger	Neoprene EPDM
 12979	Mini 3 Finger	Neoprene EPDM
 12981	4 Finger	Neoprene EPDM
 12983	Soft Touch	Neoprene EPDM
 12989	Long finger	Neoprene EPDM



CONVEYOR COMPONENTS

ORANGE URETHANE BELTING

Smooth Surface Orange Round Belts

TSE Orange Round Belts are available in a full range of diameters and roll lengths to meet the requirements of virtually any application. These smooth surface polyurethane, 85A shore belts can be shipped in full rolls or spliced endless to any length at the factory. TSE can provide the specialized tools needed for on-site splicing. TSE Belting Products can also provide technical assistance and support from product selection through installation and beyond.

TSE Round belts are available non-reinforced and reinforced, with smooth or rough surface properties.



Orange V-Belts

TSE V-Belts are available non-reinforced and reinforced.

Orange Parallel V-Belt - Twin

Designed for long center-to-center drives. Two belts produced with an integral back. Design reduces vibration and belt turnover.

Many sizes and configurations are available through TSE. Please call and speak to one of our customer service team members for help.

Other High-Performance Profile Belts



V-Belt



Reinforced V-Belt



Cogged V-Belt



Supergrip V-Belt



Ridge-Top V-Belt - Form 1



Ridge-Top V-Belt - Form 2



Double V-Belt



Parallel (Twin) V-Belt



T-Belt



Rough Surface Round



Smooth Reinforced Round



Orange Round



Hollow Belt w/Connector



Smooth Surface Round



Smooth Reinforced Round

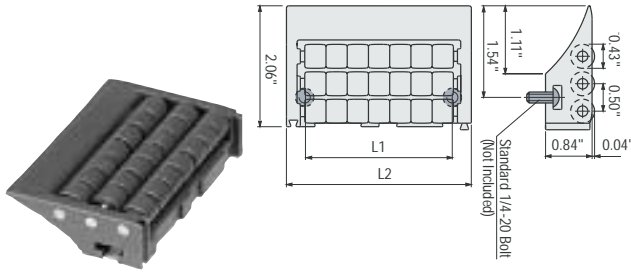


Flat Belt

CONVEYOR COMPONENTS

ROLLER TRANSFER

Part 567 - Roller Transfer



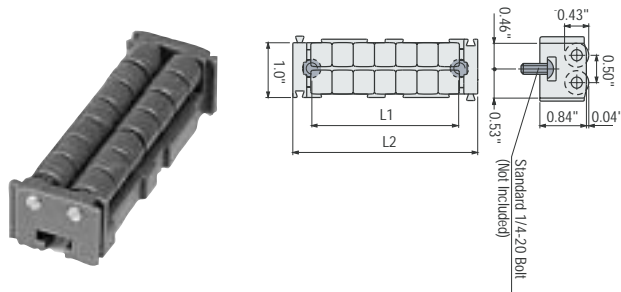
Code Numbers

Description	Roller Type	L1 (in)	L2 (in)	Part & Code
Side Module With Nose	Multiple Small Rollers	2.66"	3.35"	567-688792
	Multiple Small Rollers	3.82"	4.53"	567-687382
	Single Roller	2.66"	3.35"	567-603392

Single roller version in white polyethylene
Roller shafts in stainless steel

- Notes:**
1. Frame in Rex® HP™
 2. Multiple roller version uses roller in Rex® HP™
 3. Single roller version in White polyethylene
 4. Roller shafts in stainless steel

Part 568 - Roller Transfer



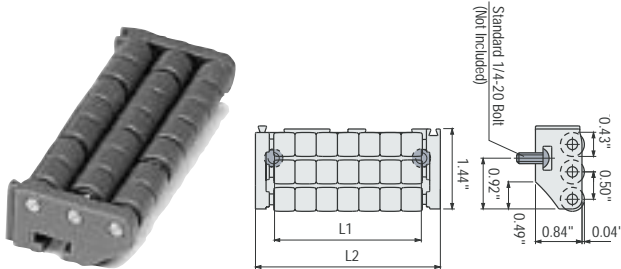
Code Numbers

Description	Roller Type	L1 (in)	L2 (in)	Part & Code
Center Module	Multiple Small Rollers	2.66"	3.35"	568-605912
	Multiple Small Rollers	3.82"	4.53"	568-687402
	Single Roller	2.66"	3.35"	568-603402

Single roller version in White polyethylene
Roller shafts in stainless steel

- Notes:**
1. Frame in Rex® HP™
 2. Multiple roller version uses roller in Rex® HP™
 3. Single roller version in White polyethylene
 4. Roller shafts in stainless steel

Part 569 - Roller Transfer



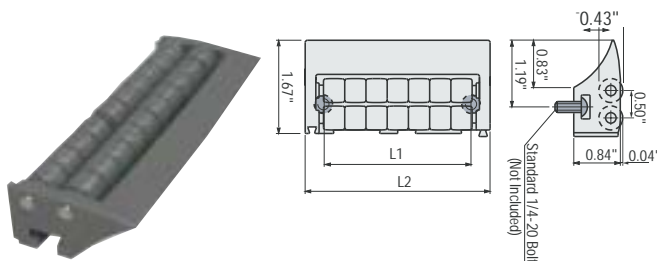
Code Numbers

Description	Roller Type	L1 (in)	L2 (in)	Part & Code
Side Module Without Nose	Multiple Small Rollers	2.66"	3.35"	569-605922
	Multiple Small Rollers	3.82"	4.53"	569-687392
	Single Roller	2.66"	3.35"	569-603412

Single roller version in white polyethylene
Roller shafts in stainless steel

- Notes:**
1. Frame in Rex® HP™
 2. Multiple roller version uses roller in Rex® HP™
 3. Single roller version in white polyethylene
 4. Roller shafts in stainless steel

Part 672 - Roller Transfer



Code Numbers

Description	Roller Type	L1 (in)	L2 (in)	Part & Code
Side Module With Nose	Multiple Small Rollers	2.66"	3.35"	672-687412
	Multiple Small Rollers	3.82"	4.53"	672-687432

Single roller version in white polyethylene
Roller shafts in stainless steel

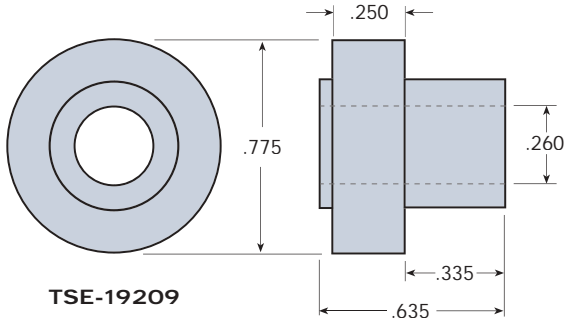
- Notes:**
1. Frame in Rex® HP™
 2. Multiple roller version uses roller in Rex® HP™
 3. Roller shafts in stainless steel

CONVEYOR COMPONENTS

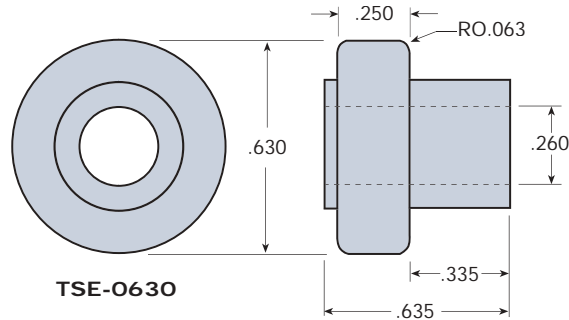
Combiner Roller

Combiner Wheel

Material: Acetal enhanced with PTFE

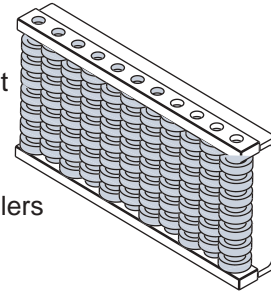


TSE-19209



TSE-0630

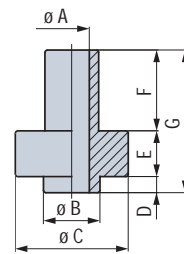
Assembly Unit



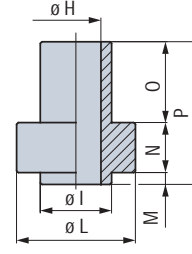
Rollers

- Material : Acetal POM (white).
- Packaging : Part. 63 (500 pieces), Part. 95 (200 pieces).
- Part. 63 can be used as spare part in roller guides Part. 128-128 S-628 S.

P-MB-63-51370

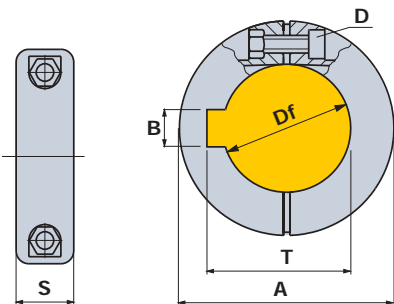


P-MB-95-51380



Dim	in	mm
A	0.25	6.3
B	0.39	10
C	0.83	21
D	0.12	3
E	0.33	8.5
F	0.59	15
G	1.04	26.5
H	0.41	10.5
I	0.59	15
L	0.98	25
M	0.10	2.5
N	0.41	10.5
O	0.67	17
P	1.18	30

Split Shaft Collar



Split Shaft Collar

Bore dia.		Df		ø A		S		B		T		D	Code
Part.	in	mm	in	mm	in	mm	in	mm	in	mm	mm		
• Without seat keyway													
-	12	1.18	30	0.46	11.7	-	-	-	-	-	-	M4	655062
-	1/2"	1.18	30	0.46	11.7	-	-	-	-	-	-	M4	655072
-	14	1.18	30	0.46	11.7	-	-	-	-	-	-	M4	655082
-	5/8"	16	1.38	35	0.46	11.7	-	-	-	-	-	M4	655092
-	18	1.57	40	0.55	14	-	-	-	-	-	-	M4	614712
-	3/4"	20	1.57	40	0.55	14	-	-	-	-	-	M4	655102
-	20	1.57	40	0.55	14	-	-	-	-	-	-	M4	614722
-	25	1.77	45	0.55	14	-	-	-	-	-	-	M4	619452
• With seat keyway													
-	1"	30	1.77	45	0.55	14	0.25	6.4	1.13	28.58	M4	655112	655112
-	30	1.97	50	0.63	16	0.31	8	1.31	33.3	M4	614732	614732	614732
-	1 1/4"	35	1.97	50	0.63	16	0.25	6.4	1.38	34.98	M4	655122	655122
-	35	2.50	63.5	0.71	18	0.39	10	1.51	38.3	M5	614742	614742	614742
-	1 1/2"	40	2.50	63.5	0.71	18	0.38	9.58	1.68	42.65	M5	655132	655132
-	40	2.50	63.5	0.71	18	0.47	12	1.70	43.3	M5	615012	615012	615012

- Material : collar in reinforced Polyamide (Nylon) PA FV (Black), tightening bolt in stainless steel AISI 304.
- Max recommended tightening torque : 26 in lb (0.3 Kgm).

New Product Introduction

New Marbett® Universal Guide Rail Bracket



Part 939-654131
With Locking Cam Lever



Part 939-654141
With Yoke Spacer Insert

- Available in Two Versions:**

Part.# 939-654131 - With Locking Cam Lever for quick, no-tool adjustment.

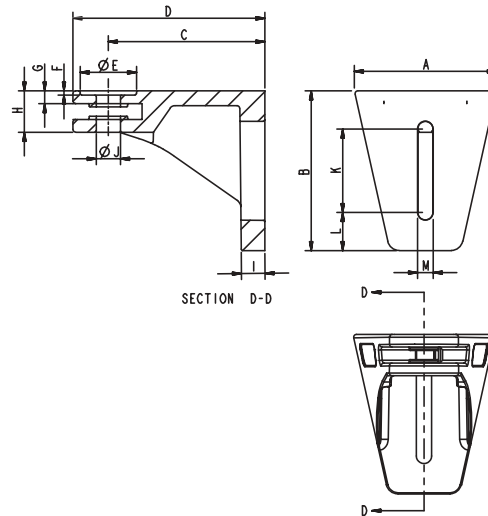
Part. # 939-654141 - With Yoke Spacer Insert for use with other Marbett® accessories, such as Swivel Heads, etc. for additional flexibility.

- Molded in Reinforced Polyamide (Nylon). Supports are Black, levers and spacers are Orange.
- Fits all 1/2" Ø Adjusting Rods.
- Mount to conveyor using two sets of bolts and nuts (Mounting Slot Width = .33" (8.4 mm))
- Generally used for single row guide rail applications only. For double and triple rows of guide rails, use conventional Marbett® Guide Rail Brackets.

Guide Rail Bracket Dimensions

Part	Code	Dim.	in	mm
939		A	3	76.2
		B	3.38	85.9
		C	3.31	84.1
		D	4.06	103.1
		E	1.19	30.2
		F	0.09	2.3
		G	0.27	6.9
		H	0.88	22.4
		I	0.5	12.7
		J	0.52	13.2
		K	1.76	44.7
		L	0.81	20.6
		M	0.33	8.4
				Rod Dia. (Df)
		in	mm	
654131		1/2	12.7	
654141		1/2	12.7	

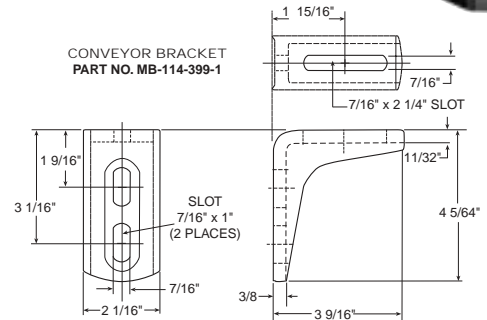
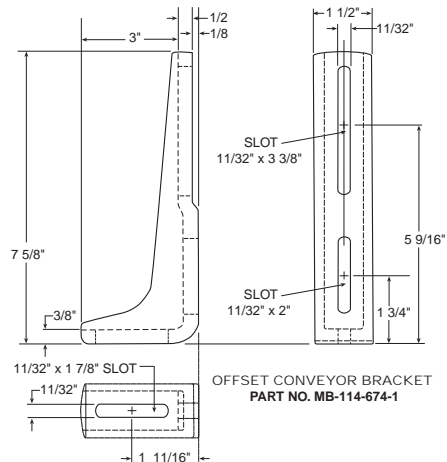
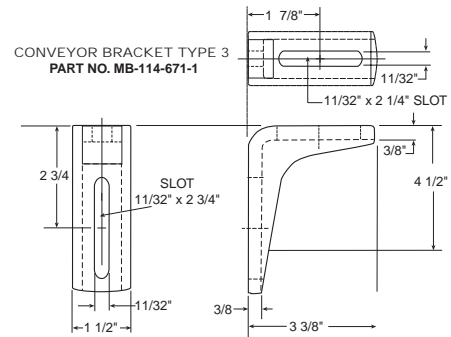
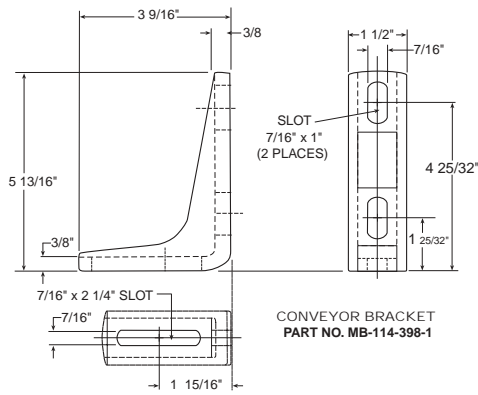
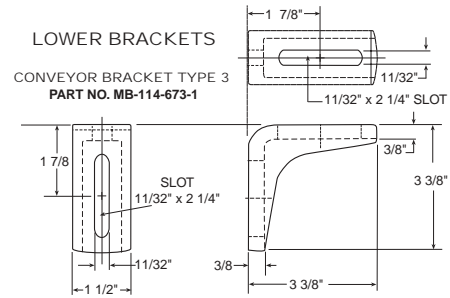
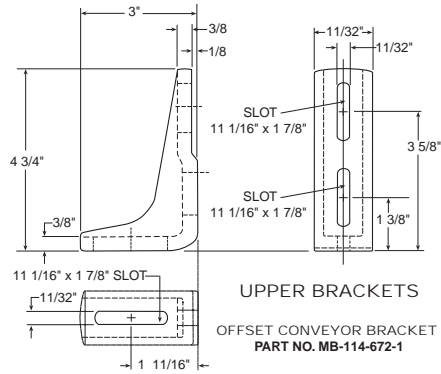
Typical Guide Rail Arrangements with Universal Bracket



CONVEYOR COMPONENTS

THERMOPLASTIC GUIDE RAIL BRACKETS

Corrosion resistant • Quiet operation • Rugged • Light weight • Adjustable • Low cost • Interchangeable



CONVEYOR COMPONENTS GUIDE RAILS

Order by part number and add suffix for material and length.

Example: Order Part Number P-MB-SD-000067-R-W-10 P-MB-SD-000067-R-_____-_____
Material Length

UHMW Natural (Stocked)-W

UHMW Anti-Static-S

UHMW Anti-Microbial-A

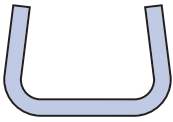
UHMW Lubricated-E

UHMW Custom Colors

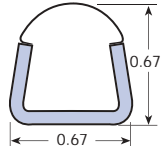
10 ft. and 20 ft. lengths.

Custom lengths available.

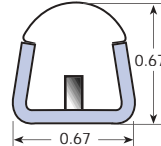
UHMW Guide Rails - Standard Design



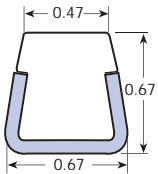
**Standard Design .078 Wall
14 Gauge 304 S.S.**



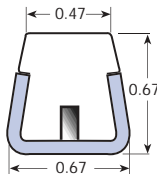
P-MB-SD-000067-R



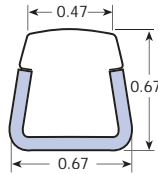
P-MB-OR-000067-R



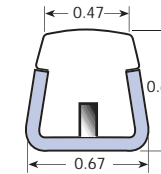
P-MB-SD-047067-F



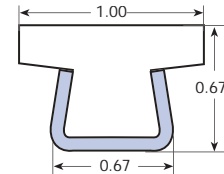
P-MB-OR-047067-F



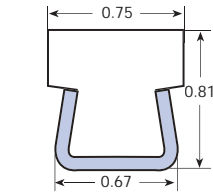
P-MB-SD-047067-M



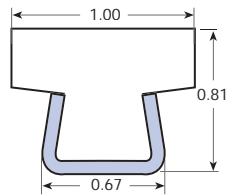
P-MB-OR-047067-M



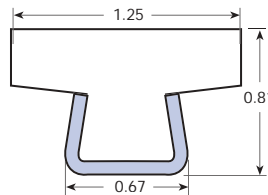
P-MB-SD-0100067-T



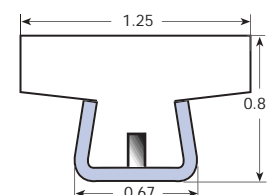
P-MB-SD-075081-T



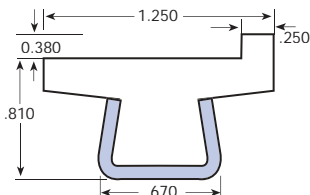
P-MB-SD-100081-T



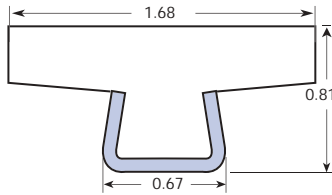
P-MB-SD-125081-T



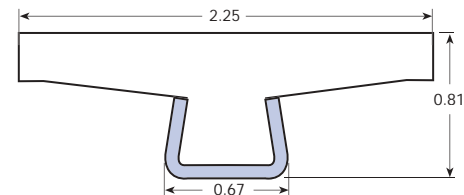
P-MB-OR-125081-T



P-MB-SD-125081-L

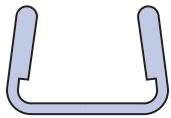


P-MB-SD-168781-T

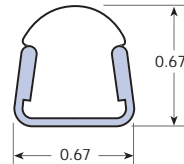


P-MB-SD-225081-T

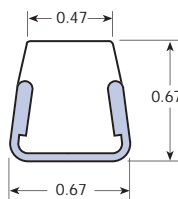
UHMW Guide Rails - Locking Design



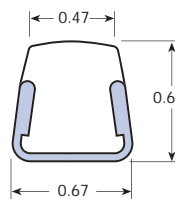
**Locking Design
19 Gauge 304 S.S.**



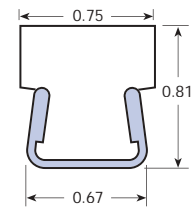
P-MB-LD-000067-R



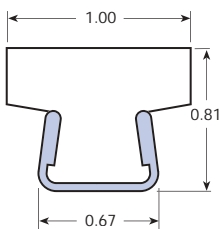
P-MB-LD-047067-F



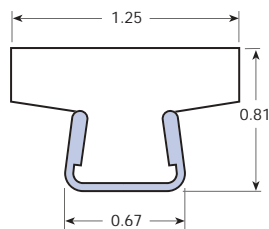
P-MB-LD-047067-M



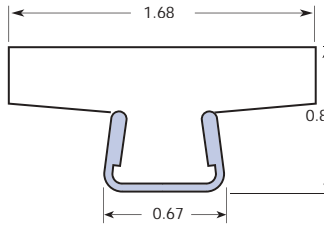
P-MB-LD-075081-T



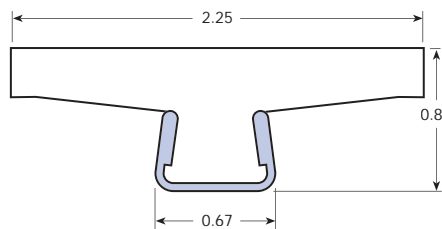
P-MB-LD-100081-T



P-MB-LD-125081-T



P-MB-LD-160081-T

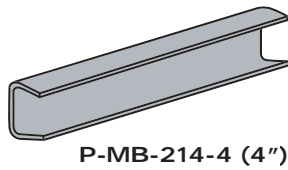
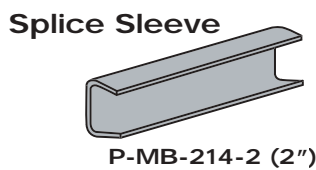
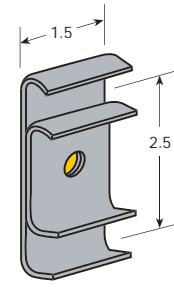
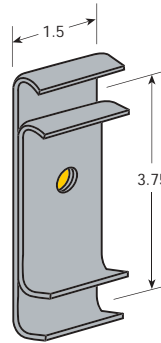
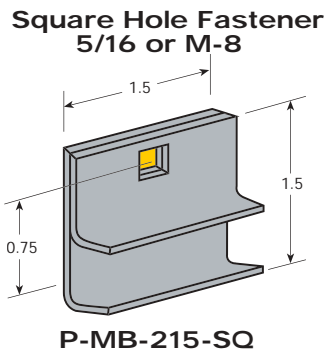
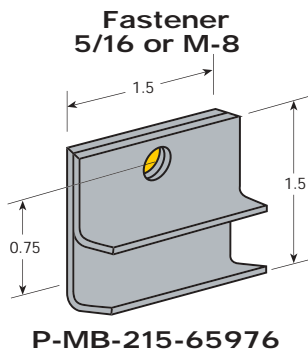


P-MB-LD-225081-T

CONVEYOR COMPONENTS

GUIDE RAIL CLAMPS • SPLICE SLEEVES • CROSS BLOCK HEAVY DUTY

Single & Double Guide Rail Clamps Stainless Steel



3/8 or M-10 Fastener

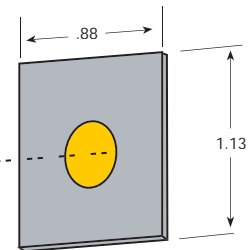
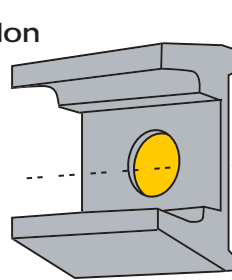
3/8 or M-10 Fastener

Compression Clip

Material: Aluminum or Anodized Aluminum & Nylon

Backing plates required for use with adjusting rods.

Part No.	Aluminum	Anodized	Nylon	Fastner
P-MB-275-AL2	•			5/16
P-MB-275-ANOAL2		•		5/16
P-MB-275-664151			•	5/16



Quick Release Cross Block Heavy Duty With Knobs



P/N	Shaft Diameter
MB-521-12 x 12	1/2" x 1/2"
MB-521-12 x 58	1/2" x 5/8"
MB-521-58 x 58	5/8" x 5/8"

Material:

(Body) Reinforced Polyamide (Nylon), hardware in Stainless Steel 304.
(Knobs) in Polyamide with brass bushing.
Adjusting rods can be quickly adjusted by loosening and tightening the hand knobs.

*Adjusting rods sold separately.

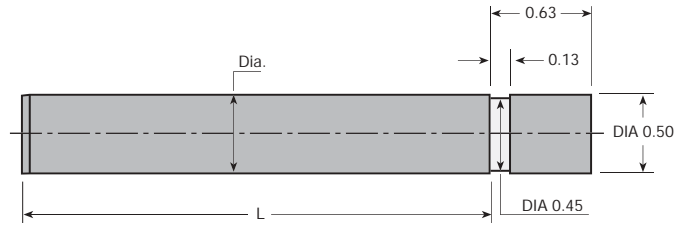
CONVEYOR COMPONENTS

ADJUSTING RODS

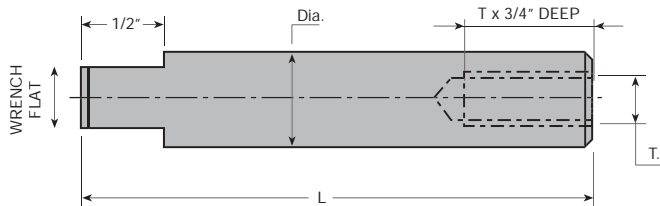
Adjusting Rods Stainless Steel

Material: 303 Stainless Steel

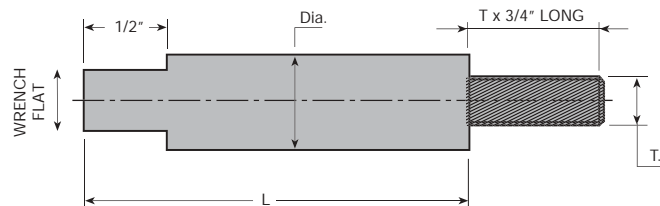
Part No.	Dia.	L Inches
P-MB-01-1203-0	1/2	3
P-MB-01-1205-0		5
P-MB-01-1209-0		9
P-MB-01-5806-0	5/8	6
P-MB-01-5808-0		8
P-MB-01-5810-0		10



Part No.	Dia.	L Inches	T
P-MB-02-1205-516F	1/2	5	5/16 - 18 UNC
P-MB-02-1207-516F		7	
P-MB-02-1209-516F		9	
P-MB-02-05806-516F	5/8	6	5/16 - 18 UNC
P-MB-02-05808-516F		8	
P-MB-02-05810-516F		10	



Part No.	Dia.	L Inches	T
P-MB-02-1206-38F	1/2	6	3/8 - 16 UNC
P-MB-02-1208-38F		8	
P-MB-02-1210-38F		10	
P-MB-02-5806-38F	5/8	6	3/8 - 16 UNC
P-MB-02-5808-38F		8	
P-MB-02-5810-38F		10	
P-MB-02-5812-38F		12	



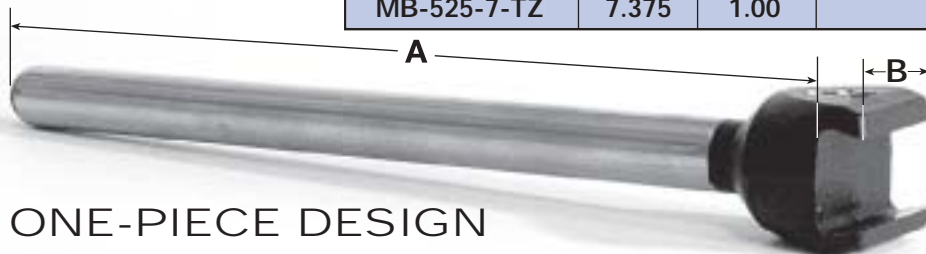
Part No.	Dia.	L Inches	T
P-MB-03-5806-38M	5/8	6	3/8 - 16 UNC
P-MB-03-5808-38M		8	
P-MB-03-5810-38M		10	

CONVEYOR COMPONENTS

ADJUSTING RODS & PROTECTING CAPS

Adjusting Rod With Guide Rail Clamp

P/N	A	B	Shaft Diameter
MB-525-5-TZ	5.50	1.00	1/2"
MB-525-7-TZ	7.375	1.00	1/2"



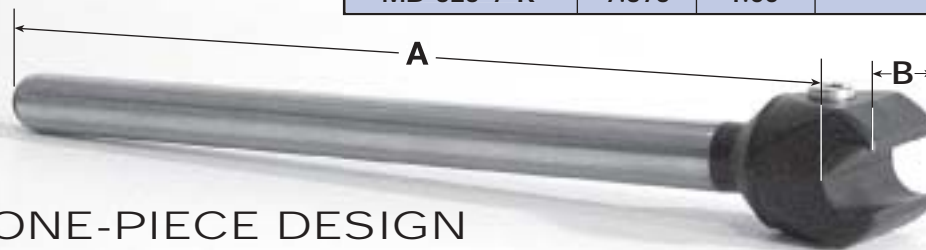
ONE-PIECE DESIGN

For Standard and Locking design guide rails.

Injection molded (Nylon) through the stainless steel tube for a strong, crush-resistant rod.

Adjusting Rod With Round Rod Clamp

P/N	A	B	Shaft Diameter
MB-525-5-R	5.50	1.00	1/2"
MB-525-7-R	7.375	1.00	1/2"



ONE-PIECE DESIGN

For 1/2" diameter rod.

Injection molded (Nylon) through the stainless steel tube for a strong, crush-resistant rod.

Adjusting Rod Protecting Caps



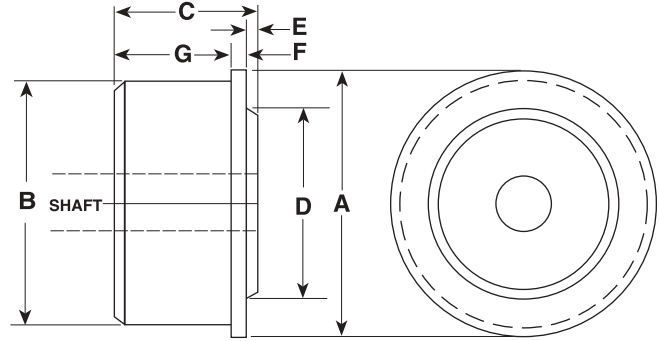
P/N	COLOR	Shaft Diameter
MB-012B	BLACK	1/2"
MB-012Y	YELLOW	1/2"
MB-012R	RED	1/2"
MB-058B	BLACK	5/8"
MB-058Y	YELLOW	5/8"
MB-058R	RED	5/8"

CONVEYOR COMPONENTS

UHMW ROLL END BEARINGS - MACHINED

Light Duty - Conveyor Roll Bearings

A tough, low-friction bearing for light conveyor applications, nothing can top our light duty roll ends! In many cases, they can replace expensive ball-bearing assemblies. Also available in Nylon and Acetal.



P/N	A Tubing O.D.A.	Tubing Gauge	Tubing Wall	B Tubing ID	C Length	D	E	F	G
420DL	1/2"	20	.035	.430	1/2"	3/8"	1/16"	1/8"	5/16"
418DL	1/2"	18	.049	.402	1/2"	3/8"	1/16"	1/8"	5/16"
520DL	5/8"	20	.035	.555	1/2"	3/8"	1/16"	1/8"	5/16"
4EMDL	.706	1/2" EMT	.042	.622	11/16"	7/16"	1/16"	1/8"	1/2"
620DL	3/4"	20	.035	.680	11/16"	1/2"	1/16"	1/8"	1/2"
618DL	3/4"	18	.049	.652	11/16"	1/2"	1/16"	1/8"	1/2"
616DL	3/4"	16	.065	.602	11/16"	1/2"	1/16"	1/8"	1/2"
720DL	7/8"	20	.035	.805	11/16"	1/2"	1/16"	1/8"	1/2"
718DL	7/8"	18	.049	.777	11/16"	1/2"	1/16"	1/8"	1/2"
716DL	7/8"	16	.065	.745	11/16"	1/2"	1/16"	1/8"	1/2"
6EMDL	.922	3/4" EMT	.049	.824	11/16"	1/2"	1/16"	1/8"	1/2"
820DL	1"	20	.035	.930	11/16"	5/8"	1/16"	1/8"	1/2"
818DL	1"	18	.049	.902	11/16"	5/8"	1/16"	1/8"	1/2"
817DL	1"	17	.058	.884	11/16"	5/8"	1/16"	1/8"	1/2"
816DL	1"	16	.065	.870	11/16"	5/8"	1/16"	1/8"	1/2"
6P40DL	1.050	3/4" Pipe SCH 40	.113	.824	11/16"	5/8"	1/16"	1/8"	1/2"
917DL	1 1/8"	17	.058	1.009	11/16"	5/8"	1/16"	1/8"	1/2"
916DL	1 1/8"	16	.065	.995	11/16"	5/8"	1/16"	1/8"	1/2"
8EMDL	1.163	1" EMT	.057	1.049	11/16"	5/8"	1/16"	1/8"	1/2"
1020DL	1 1/4"	20	.035	1.180	3/4"	7/8"	1/16"	1/8"	9/16"
1018DL	1 1/4"	18	.049	1.152	3/4"	7/8"	1/16"	1/8"	9/16"
1016DL	1 1/4"	16	.065	1.120	3/4"	7/8"	1/16"	1/8"	9/16"
8P40DL	1.315	1" Pipe SCH 40	.133	1.049	3/4"	1"	1/16"	1/8"	9/16"
1118DL	1 3/8"	18	.049	1.277	3/4"	1"	1/16"	1/8"	9/16"
1116DL	1 3/8"	16	.065	1.245	3/4"	1"	1/16"	1/8"	9/16"
1220DL	1 1/2"	20	.035	1.430	1"	1"	1/16"	3/16"	3/4"
1218DL	1 1/2"	18	.049	1.402	1"	1"	1/16"	3/16"	3/4"
1216DL	1 1/2"	16	.065	1.370	1"	1"	1/16"	3/16"	3/4"
10EMDL	1.510	1 1/4" EMT	.065	1.380	1"	1"	1/16"	3/16"	3/4"
1320DL	1 5/8"	20	.035	1.555	1"	1"	1/16"	3/16"	3/4"
1318DL	1 5/8"	18	.049	1.527	1"	1"	1/16"	3/16"	3/4"
1316DL	1 5/8"	16	.035	1.555	1"	1"	1/16"	3/16"	3/4"
12EMDL	1.740	1 1/2" EMT	.065	1.610	1"	1"	1/16"	3/16"	3/4"
1420DL	1 3/4"	20	.035	1.680	1"	1"	1/16"	3/16"	3/4"
1418DL	1 3/4"	18	.049	1.652	1"	1"	1/16"	3/16"	3/4"
1416DL	1 3/4"	16	.065	1.620	1"	1"	1/16"	3/16"	3/4"
1520DL	1 7/8"	20	.035	1.805	1"	1"	1/16"	3/16"	3/4"
1518DL	1 7/8"	18	.049	1.777	1"	1"	1/16"	3/16"	3/4"
1516DL	1 7/8"	16	.065	1.745	1"	1"	1/16"	3/16"	3/4"
12P40DL	1.900	1 1/2" Pipe SCH 40	.145	1.610	1"	1"	1/16"	3/16"	3/4"
12P80DL	1.900	1 1/2" Pipe SCH 80	.200	1.500	1"	1"	1/16"	3/16"	3/4"

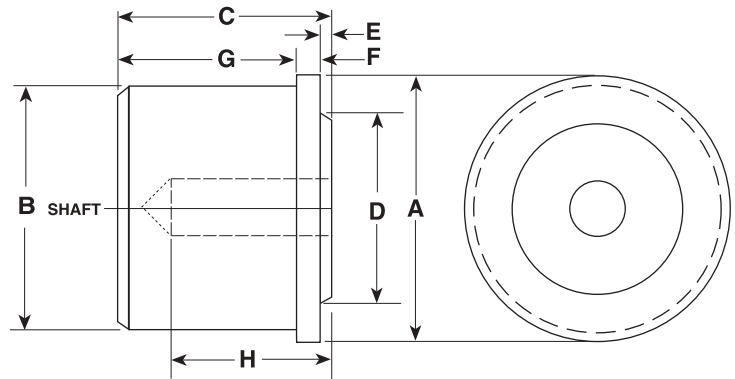
Note: Insert shaft size after part number. Proper running clearance will be provided.
* Inquire about other available sizes.

CONVEYOR COMPONENTS

UHMW ROLL END BEARINGS - MACHINED

Blind Bore - Conveyor Roll Bearings

Try using one of our roll ends when operating in a wet or dirty environment. No bearings, no grease. Just quiet, smooth-running efficiency.



P/N	A Tubing O.D.A.	Tubing Gauge	Tubing Wall	B Tubing ID	C Bearing Length	D	E	F	G	H Depth Hole
1216DS	1 1/2"	16	.065	1.370	2 1/8"	7/8"	1/16"	3/16"	1 7/8"	1 3/4"
1214DS	1 1/2"	14	.083	1.334	2 1/8"	7/8"	1/16"	3/16"	1 7/8"	1 3/4"
1416DS	1 3/4"	16	.065	1.620	2 1/8"	1"	1/16"	3/16"	1 7/8"	1 3/4"
12P40DS	1.900	1 1/2" Pipe SCH 40	.145	1.610	2 1/8"	1"	1/16"	3/16"	1 7/8"	1 3/4"
12P80DS	1.900	1 1/2" Pipe SCH 80	.200	1.500	2 1/8"	1"	1/16"	3/16"	1 7/8"	1 3/4"
1618DS	2"	18	.049	1.902	2 1/8"	1"	1/8"	1/4"	1 3/4"	1 3/4"
1616DS	2"	16	.065	1.870	2 1/8"	1"	1/8"	1/4"	1 3/4"	1 3/4"
1614DS	2"	14	.083	1.834	2 1/8"	1"	1/8"	1/4"	1 3/4"	1 3/4"
1818DS	2 1/4"	18	.049	2.152	2 1/8"	1"	1/8"	1/4"	1 3/4"	1 3/4"
1816DS	2 1/4"	16	.065	2.120	2 1/8"	1"	1/8"	1/4"	1 3/4"	1 3/4"
1814DS	2 1/4"	14	.083	2.084	2 1/8"	1"	1/8"	1/4"	1 3/4"	1 3/4"
1916DS	2 3/8"	16	.065	2.245	2 1/8"	1"	1/8"	1/4"	1 3/4"	1 3/4"
16P40DS	2.375	2" Pipe SCH 40	.154	2.067	2 1/8"	1"	1/8"	1/4"	1 3/4"	1 3/4"
16P80DS	2.375	2" Pipe SCH 80	.218	1.939	2 1/8"	1"	1/8"	1/4"	1 3/4"	1 3/4"
2018DS	2 1/2"	18	.049	2.402	2 1/8"	1"	1/8"	1/4"	1 3/4"	1 3/4"
2016DS	2 1/2"	16	.065	2.370	2 1/8"	1"	1/8"	1/4"	1 3/4"	1 3/4"
2014DS	2 1/2"	14	.083	2.334	2 1/8"	1"	1/8"	1/4"	1 3/4"	1 3/4"
2011DS	2 1/2"	11	.120	2.260	2 1/8"	1"	1/8"	1/4"	1 3/4"	1 3/4"
2216DS	2 3/4"	16	.065	2.620	2 1/8"	1 1/8"	1/8"	1/4"	1 3/4"	1 3/4"
2418DS	3"	18	.049	2.902	2 1/8"	1 1/4"	1/8"	1/4"	1 3/4"	1 3/4"
2416DS	3"	16	.065	2.870	2 1/8"	1 1/4"	1/8"	1/4"	1 3/4"	1 3/4"
2414DS	3"	14	.083	2.834	2 1/8"	1 1/4"	1/8"	1/4"	1 3/4"	1 3/4"

Note: Insert shaft size after part number. Proper running clearance will be provided.

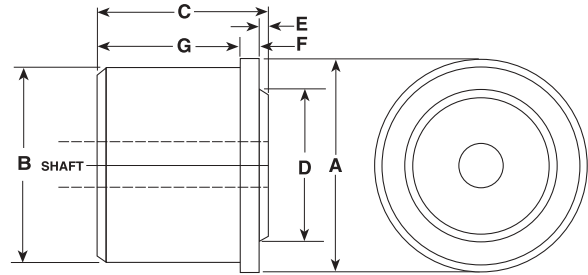
* Inquire about other available sizes.

CONVEYOR COMPONENTS

UHMW ROLL END BEARINGS - MACHINED

Thru Bore - Standard Conveyor Roll Bearings

Increasing the length of the bearings makes the standard roll ends suitable for tougher, high-load applications. We have a size for every application, no matter how large. Also available in Nylon and Acetal.



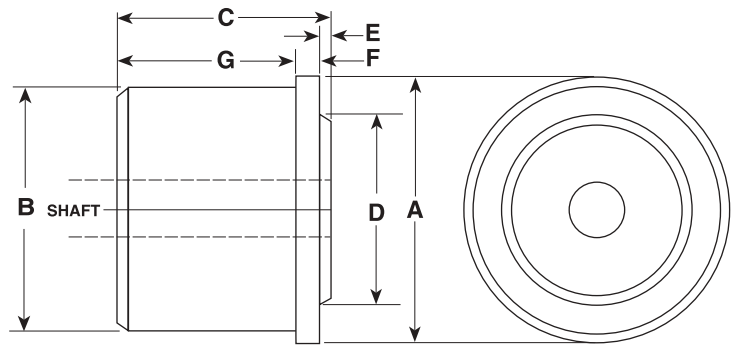
P/N	A Tubing O.D.A.	Tubing Gauge	Tubing Wall	B Tubing ID	C Length	D	E	F	G
1118DR	1 3/8"	18	.049	1.277	1 1/4"	7/8"	1/16"	3/16"	1"
1116DR	1 3/8"	16	.065	1.245	1 1/4"	7/8"	1/16"	3/16"	1"
1218DR	1 1/2"	18	.049	1.402	1 1/2"	7/8"	1/16"	3/16"	1 1/4"
1216DR	1 1/2"	16	.065	1.370	1 1/2"	7/8"	1/16"	3/16"	1 1/4"
1214DR	1 1/2"	14	.083	1.334	1 1/2"	7/8"	1/16"	3/16"	1 1/4"
10EMDR	1.510	1 1/4" EMT	.065	1.380	1 1/2"	7/8"	1/16"	3/16"	1 1/4"
1316DR	1 5/8"	16	.065	1.495	1 1/2"	1"	1/16"	3/16"	1 1/4"
1311DR	1 5/8"	11	.120	1.385	1 1/2"	1"	1/16"	3/16"	1 1/4"
10P40DR	1.660	1 1/4" Pipe	.140	1.380	1 1/2"	1"	1/16"	3/16"	1 1/4"
12EMDR	1.740	1 1/2" EMT	.65	1.610	1 1/2"	1"	1/16"	3/16"	1 1/4"
1416DR	1 3/4"	16	.065	1.620	1 1/2"	1"	1/16"	3/16"	1 1/4"
1414DR	1 3/4"	14	.083	1.583	1 1/2"	1"	1/16"	3/16"	1 1/4"
1413DR	1 3/4"	13	.095	1.560	1 1/2"	1"	1/16"	3/16"	1 1/4"
1411DR	1 3/4"	11	.120	1.510	1 1/2"	1"	1/16"	3/16"	1 1/4"
1516DR	1 7/8"	16	.065	1.745	1 1/2"	1"	1/16"	3/16"	1 1/4"
1513DR	1 7/8"	13	.095	1.685	1 1/2"	1"	1/16"	3/16"	1 1/4"
12P40DR	1.900	1 1/2" Pipe SCH 40	.145	1.610	1 1/2"	1"	1/16"	3/16"	1 1/4"
12P80DR	1.900	1 1/2" Pipe SCH 80	.200	1.500	1 1/2"	1"	1/16"	3/16"	1 1/4"
1619DR	1.900	16	.065	1.770	1 1/2"	1"	1/16"	3/16"	1 1/4"
1618DR	2	18	.049	1.902	1 5/8"	1"	1/8"	1/4"	1 1/4"
1616DR	2	16	.065	1.870	1 5/8"	1"	1/8"	1/4"	1 1/4"
1614DR	2	14	.083	1.834	1 5/8"	1"	1/8"	1/4"	1 1/4"
1613DR	2	13	.095	1.810	1 5/8"	1"	1/8"	1/4"	1 1/4"
1611DR	2	11	.120	1.760	1 5/8"	1"	1/8"	1/4"	1 1/4"
16EMDR	2.197	2" EMT	.65	2.067	1 5/8"	1"	1/8"	1/4"	1 1/4"
1818DR	2 1/4"	18	.049	2.152	1 5/8"	1"	1/8"	1/4"	1 1/4"
1816DR	2 1/4"	16	.065	2.120	1 5/8"	1"	1/8"	1/4"	1 1/4"
1814DR	2 1/4"	14	.083	2.084	1 5/8"	1"	1/8"	1/4"	1 1/4"
1813DR	2 1/4"	13	.095	2.060	1 5/8"	1"	1/8"	1/4"	1 1/4"
1811DR	2 1/4"	11	.120	2.010	1 5/8"	1"	1/8"	1/4"	1 1/4"
1810DR	2 1/4"	10	.134	1.982	1 5/8"	1"	1/8"	1/4"	1 1/4"
1916DR	2 3/8"	16	.065	2.245	1 5/8"	1"	1/8"	1/4"	1 1/4"
1913DR	2 3/8"	13	.095	2.185	1 5/8"	1"	1/8"	1/4"	1 1/4"
1911DR	2 3/8"	11	.120	2.135	1 5/8"	1"	1/8"	1/4"	1 1/4"
16P40DR	2.375	2" Pipe SCH 40	.154	2.067	1 5/8"	1"	1/8"	1/4"	1 1/4"
16P80DR	2.375	2" Pipe SCH 80	.218	1.939	1 5/8"	1"	1/8"	1/4"	1 1/4"
2016DR	2 1/2"	16	.065	2.370	1 5/8"	1"	1/8"	1/4"	1 1/4"
2014DR	2 1/2"	14	.083	2.334	1 5/8"	1"	1/8"	1/4"	1 1/4"
2013DR	2 1/2"	13	.095	2.310	1 5/8"	1"	1/8"	1/4"	1 1/4"
2011DR	2 1/2"	11	.120	2.260	1 5/8"	1"	1/8"	1/4"	1 1/4"
2010DR	2 1/2"	10	.134	2.232	1 5/8"	1"	1/8"	1/4"	1 1/4"

Note: Insert shaft size after part number. Proper running clearance will be provided.
* Inquire about other available sizes.

CONVEYOR COMPONENTS

UHMW ROLL END BEARINGS - MACHINED

Thru Bore - Standard Conveyor Roll Bearings



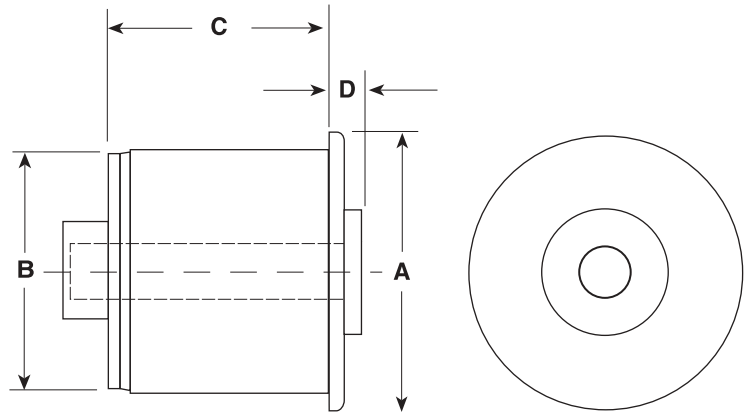
P/N	A Tubing O.D.A.	Tubing Gauge	Tubing Wall	B Tubing ID	C Length	D	E	F	G
2216DR	2 3/4"	16	.065	2.620	1 5/8"	1 1/8"	1/8"	1/4"	1 1/4"
2213DR	2 3/4"	13	.095	2.560	1 5/8"	1 1/8"	1/8"	1/4"	1 1/4"
2211DR	2 3/4"	11	.120	2.510	1 5/8"	1 1/8"	1/8"	1/4"	1 1/4"
20P40DR	2.875	2 1/2" Pipe	.203	2.469	1 5/8"	1 1/8"	1/8"	1/4"	1 1/4"
2416DR	3"	16	.065	2.870	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
2414DR	3"	14	.083	2.834	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
2413DR	3"	13	.095	2.810	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
2411DR	3"	11	.120	2.760	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
2616DR	3 1/4"	16	.065	3.120	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
2613DR	3 1/4"	13	.095	3.060	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
2816DR	3 1/2"	16	.065	3.370	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
2813DR	3 1/2"	13	.095	3.310	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
2811DR	3 1/2"	11	.120	3.260	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
24P40DR	3.500	3" Pipe SCH 40	.216	3.068	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
24P80DR	3.500	3" Pipe SCH 80	.300	2.900	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
3016DR	3 3/4"	16	.065	3.620	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
3011DR	3 3/4"	11	.120	3.510	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
3216DR	4"	16	.065	3.870	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
3214DR	4"	14	.083	3.834	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
3213DR	4"	13	.095	3.810	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
3211DR	4"	11	.120	3.760	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"
28P40DR	4.000	3 1/2" Pipe	.226	3.548	1 3/4"	1 1/4"	1/8"	1/4"	1 3/8"

Note: Insert shaft size after part number. Proper running clearance will be provided.
* Inquire about other available sizes.

CONVEYOR COMPONENTS

ABS END PLUG FOR PVC PIPE

Two piece bearing inserts.
 The bearing insert is press fit into housing.
 Available with Nylon or UHMW bearing inserts.



P/N	Tubing Gauge	O.D. A	I.D. B	Tubing Wall	C	D	Shaft Size
<i>RE2-1540-N-12-T</i>	1 1/2" SCH 40	1.9000	1.610	.145	1.180	.290	1/2"
<i>RE2-1540-N-12-B</i>	1 1/2" SCH 40	1.9000	1.610	.145	1.180	.290	1/2"
<i>RE2-1540-N-916-T</i>	1 1/2" SCH 40	1.9000	1.610	.145	1.180	.290	9/16"
<i>RE2-1540-N-916-B</i>	1 1/2" SCH 40	1.9000	1.610	.145	1.180	.290	9/16"
<i>RE2-1540-N-58-T</i>	1 1/2" SCH 40	1.9000	1.610	.145	1.180	.290	5/8"
<i>RE2-1540-N-58-B</i>	1 1/2" SCH 40	1.9000	1.610	.145	1.180	.290	5/8"
<i>RE2-1540-N-34-T</i>	1 1/2" SCH 40	1.9000	1.610	.145	1.180	.290	3/4"
<i>RE2-1540-N-34-B</i>	1 1/2" SCH 40	1.9000	1.610	.145	1.180	.290	3/4"
<i>RE2-1580-N-12-T</i>	1 1/2" SCH 80	1.9000	1.500	.200	1.180	.290	1/2"
<i>RE2-1580-N-12-B</i>	1 1/2" SCH 80	1.9000	1.500	.200	1.180	.290	1/2"
<i>RE2-1580-N-916-T</i>	1 1/2" SCH 80	1.9000	1.500	.200	1.180	.290	9/16"
<i>RE2-1580-N-916-B</i>	1 1/2" SCH 80	1.9000	1.500	.200	1.180	.290	9/16"
<i>RE2-1580-N-58-T</i>	1 1/2" SCH 80	1.9000	1.500	.200	1.180	.290	5/8"
<i>RE2-1580-N-58-B</i>	1 1/2" SCH 80	1.9000	1.500	.200	1.180	.290	5/8"

Shell Color: White

Bearing Insert: Polyamide (Nylon) alloy. For UHMW, replace "N" in the part number with "U".

Material: Polyamide (Nylon) alloy.

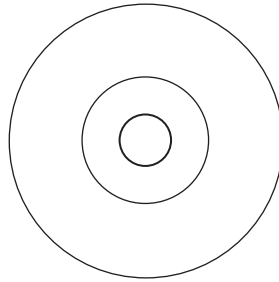
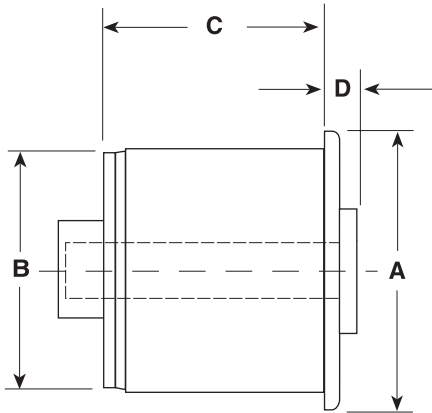
B = Blind bore

T = Through bore

CONVEYOR COMPONENTS

ABS END PLUG FOR PVC PIPE

Two piece bearing inserts.
 The bearing insert is press fit into housing.
 Available with Nylon or UHMW bearing inserts.



P/N	Tubing Gauge	O.D. A	I.D. B	Tubing Wall	C	D	Shaft Size
RE2-2040-N-12-T	2" SCH 40	2.370	2.067	.154	1.190	.290	1/2"
RE2-2040-N-12-B	2" SCH 40	2.375	2.067	.154	1.190	.290	1/2"
RE2-2040-N-916-T	2" SCH 40	2.375	2.067	.154	1.190	.290	9/16"
RE2-2040-N-916-B	2" SCH 40	2.375	2.067	.154	1.190	.290	9/16"
RE2-2040-N-58-T	2" SCH 40	2.375	2.067	.154	1.190	.290	5/8"
RE2-2040-N-58-B	2" SCH 40	2.375	2.067	.154	1.190	.290	5/8"
RE2-2040-N-34-T	2" SCH 40	2.375	2.067	.154	1.190	.290	3/4"
RE2-2040-N-34-B	2" SCH 40	2.375	2.067	.154	1.190	.290	3/4"
RE2-2080-N-12-T	2" SCH 80	2.375	1.939	.218	1.190	.290	1/2"
RE2-2080-N-12-B	2" SCH 80	2.375	1.939	.218	1.190	.290	1/2"
RE2-2080-N-916-T	2" SCH 80	2.375	1.939	.218	1.190	.290	9/16"
RE2-2080-N-916-B	2" SCH 80	2.375	1.939	.218	1.190	.290	9/16"
RE2-2080-N-58-T	2" SCH 80	2.375	1.939	.218	1.190	.290	5/8"
RE2-2080-N-58-B	2" SCH 80	2.375	1.939	.218	1.190	.290	5/8"
RE2-2540-N-12-T	2 1/2" SCH 40	2.875	2.469	.203	1.300	.330	1/2"
RE2-2080-N-12-B	2 1/2" SCH 40	2.875	2.469	.203	1.300	.330	1/2"
RE2-2080-N-916-T	2 1/2" SCH 40	2.875	2.469	.203	1.300	.330	9/16"
RE2-2080-N-916-B	2 1/2" SCH 40	2.875	2.469	.203	1.300	.330	9/16"
RE2-2080-N-58-T	2 1/2" SCH 40	2.875	2.469	.203	1.300	.330	5/8"
RE2-2080-N-58-B	2 1/2" SCH 40	2.875	2.469	.203	1.300	.330	5/8"
RE2-2080-N-34-T	2 1/2" SCH 40	2.875	2.469	.203	1.300	.330	3/4"
RE2-2080-N-34-B	2 1/2" SCH 40	2.875	2.469	.203	1.300	.330	3/4"

Shell Color: White

Bearing Insert: Polyamide (Nylon) alloy. For UHMW, replace "N" in the part number with "U".

B = Blind bore

T = Through bore

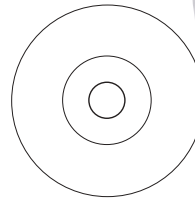
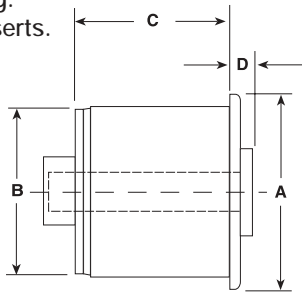
CONVEYOR COMPONENTS

NYLON ROLL ENDS FOR STEEL TUBING

Two-piece bearing inserts.

The bearing insert is press fit into housing.

Available with Nylon or UHMW bearing inserts.



P/N	A	Tubing Gauge B	Tubing Wall	B	Shaft	D	C	E
RE2-1380S-12-TB	1.51	1 1/4" EMT	.065	1.380	1/2"	3/8	1.06	1/8
RE2-1380S-12-BB	1.51	1 1/4" EMT	.065	1.380	1/2"	3/8	1.06	1/8
RE2-1380S-916-TB	1.51	1 1/4" EMT	.065	1.380	9/16"	3/8	1.06	1/8
RE2-1380S-916-BB	1.51	1 1/4" EMT	.065	1.380	9/16"	3/8	1.06	1/8
RE2-1380S-58-TB	1.51	1 1/4" EMT	.065	1.380	5/8"	3/8	1.06	1/8
RE2-1380S-58-BB	1.51	1 1/4" EMT	.065	1.380	5/8"	3/8	1.06	1/8
RE2-1610S-12-TB	1.75	1 1/2" EMT	.065	1.610	1/2"	3/8	1.06	1/8
RE2-1610S-12-BB	1.75	1 1/2" EMT	.065	1.610	1/2"	3/8	1.06	1/8
RE2-1610S-916-TB	1.75	1 1/2" EMT	.065	1.610	9/16"	3/8	1.06	1/8
RE2-1610S-916-BB	1.75	1 1/2" EMT	.065	1.610	9/16"	3/8	1.06	1/8
RE2-1610S-58-TB	1.75	1 1/2" EMT	.065	1.610	5/8"	3/8	1.06	1/8
RE2-1610S-58-BB	1.75	1 1/2" EMT	.065	1.610	5/8"	3/8	1.06	1/8
RE2-2016S-12-TB	2.00	2" EMT	.065	1.870	1/2"	3/8	1.06	1/8
RE2-2016S-12-BB	2.00	2" EMT	.065	1.870	1/2"	3/8	1.06	1/8
RE2-2016S-916-TB	2.00	2" EMT	.065	1.870	9/16"	3/8	1.06	1/8
RE2-2016S-916-BB	2.00	2" EMT	.065	1.870	9/16"	3/8	1.06	1/8
RE2-2016S-58-TB	2.00	2" EMT	.065	1.870	5/8"	3/8	1.06	1/8
RE2-2016S-58-BB	2.00	2" EMT	.065	1.870	5/8"	3/8	1.06	1/8
RE2-2067S-12-TB	2.197	2" EMT	.065	2.067	1/2"	3/8	1.06	1/8
RE2-2067S-12-BB	2.197	2" EMT	.065	2.067	1/2"	3/8	1.06	1/8
RE2-2067S-916-TB	2.197	2" EMT	.065	2.067	9/16"	3/8	1.06	1/8
RE2-2067S-916-BB	2.197	2" EMT	.065	2.067	9/16"	3/8	1.06	1/8
RE2-2067S-58-TB	2.197	2" EMT	.065	2.067	5/8"	3/8	1.06	1/8
RE2-2067S-58-BB	2.197	2" EMT	.065	2.067	5/8"	3/8	1.06	1/8
RE2-2216S-12-TB	2.250	2 1/4" 16 GA	.065	2.120	1/2"	3/8	1.06	1/8
RE2-2216S-12-BB	2.250	2 1/4" 16 GA	.065	2.120	1/2"	3/8	1.06	1/8
RE2-2216S-916-TB	2.250	2 1/4" 16 GA	.065	2.120	9/16"	3/8	1.06	1/8
RE2-2216S-916-BB	2.250	2 1/4" 16 GA	.065	2.120	9/16"	3/8	1.06	1/8
RE2-2216S-58-TB	2.250	2 1/4" 16 GA	.065	2.120	5/8"	3/8	1.06	1/8
RE2-2216S-58-BB	2.250	2 1/4" 16 GA	.065	2.120	5/8"	3/8	1.06	1/8

Shell Color: White

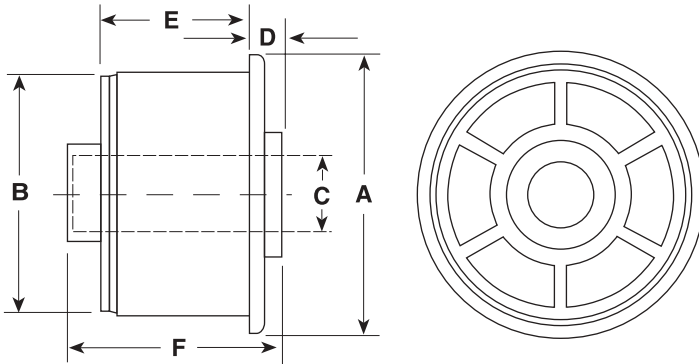
Bearing Insert: Polyamide (Nylon) alloy. For UHMW, replace "N" in the part number with "U".

BB = Blind bore

TB = Through bore

CONVEYOR COMPONENTS

NYLON ROLL END BEARINGS - ONE-PIECE MOLDED



P/N	Tubing O.D.A.	Tubing Gauge B	Tubing Wall	Tubing ID	Shaft C	Hub D	E	Shaft Length F
<i>RE1-824-12-BB</i>	.922	3/4" EMT	.049	.824	1/2"	3/16"	1.375	1.75
<i>RE1-824-12-TB</i>	.922	3/4" EMT	.049	.824	1/2"	3/16"	1.375	1.75
<i>RE1-833-12-BB</i>	1.050	3/4" SCH 40	.113	.824	1/2"	1/4"	1.375	1.75
<i>RE1-833-12-TB</i>	1.050	3/4" SCH 40	.113	.824	1/2"	1/4"	1.375	1.75
<i>RE1-1040-38-BB</i>	1.315	1" SCH 40	.133	.824	3/8"	1/4"	1.375	1.75
<i>RE1-1040-38-TB</i>	1.315	1" SCH 40	.133	.824	3/8"	1/4"	1.375	1.75
<i>RE1-1040-12-BB</i>	1.315	1" SCH 40	.133	1.049	1/2"	1/4"	1.375	1.75
<i>RE1-1040-12-TB</i>	1.315	1" SCH 40	.133	1.049	1/2"	1/4"	1.375	1.75
<i>RE1-1040-916-BB</i>	1.315	1" SCH 40	.133	1.049	9/16"	1/4"	1.375	1.75
<i>RE1-1040-916-TB</i>	1.315	1" SCH 40	.133	1.049	9/16"	1/4"	1.375	1.75
<i>RE1-1049-38-BB</i>	1.163	1" EMT	.057	1.049	3/8"	1/4"	1.375	1.75
<i>RE1-1049-38-TB</i>	1.163	1" EMT	.057	1.049	3/8"	1/4"	1.375	1.75
<i>RE1-1049-12-BB</i>	1.163	1" EMT	.057	1.049	1/2"	1/4"	1.375	1.75
<i>RE1-1049-12-TB</i>	1.163	1" EMT	.057	1.049	1/2"	1/4"	1.375	1.75
<i>RE1-1049-916-BB</i>	1.163	1" EMT	.057	1.049	9/16"	1/4"	1.375	1.75
<i>RE1-1049-916-TB</i>	1.163	1" EMT	.057	1.049	9/16"	1/4"	1.375	1.75
<i>RE1-1240-12-BB</i>	1.660	1 1/4" SCH 40	.140	1.380	1/2"	3/8"	1.060	1.75
<i>RE1-1240-12-TB</i>	1.660	1 1/4" SCH 40	.140	1.380	1/2"	3/8"	1.060	1.75
<i>RE1-1240-916-BB</i>	1.660	1 1/4" SCH 40	.140	1.380	9/16"	3/8"	1.060	1.75
<i>RE1-1240-916-TB</i>	1.660	1 1/4" SCH 40	.140	1.380	9/16"	3/8"	1.060	1.75
<i>RE1-1240-58-BB</i>	1.660	1 1/4" SCH 40	.140	1.380	5/8"	3/8"	1.060	1.75
<i>RE1-1240-58-TB</i>	1.660	1 1/4" SCH 40	.140	1.380	5/8"	3/8"	1.060	1.75

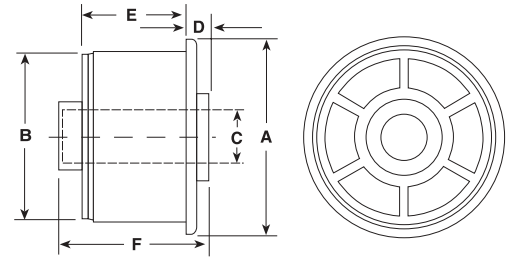
Material: Polyamide (Nylon) alloy.

BB = Sealed blind bore

TB = Through bore

CONVEYOR COMPONENTS

NYLON ROLL END BEARINGS - ONE-PIECE MOLDED



P/N	Tubing O.D.A.	Tubing Gauge B	Tubing Wall	Tubing ID	Shaft C	Hub D	E	Shaft Length F
<i>RE1-1380-12-BB</i>	1.510	1 1/4" EMT	.065	1.380	1/2"	3/8"	1.060	1.75
<i>RE1-1380-12-TB</i>	1.510	1 1/4" EMT	.065	1.380	1/2"	3/8"	1.060	1.75
<i>RE1-1380-916-BB</i>	1.510	1 1/4" EMT	.065	1.380	9/16"	3/8"	1.060	1.75
<i>RE1-1380-916-TB</i>	1.510	1 1/4" EMT	.065	1.380	9/16"	3/8"	1.060	1.75
<i>RE1-1380-58-BB</i>	1.510	1 1/4" EMT	.065	1.380	5/8"	3/8"	1.060	1.75
<i>RE1-1380-58-TB</i>	1.510	1 1/4" EMT	.065	1.380	5/8"	3/8"	1.060	1.75
<i>RE1-1516-12-BB</i>	1.500	1 1/2" 16 GA	.065	1.370	1/2"	3/8"	1.060	1.75
<i>RE1-1516-12-TB</i>	1.500	1 1/2" 16 GA	.065	1.370	1/2"	3/8"	1.060	1.75
<i>RE1-1516-916-BB</i>	1.500	1 1/2" 16 GA	.065	1.370	9/16"	3/8"	1.060	1.75
<i>RE1-1516-916-TB</i>	1.500	1 1/2" 16 GA	.065	1.370	9/16"	3/8"	1.060	1.75
<i>RE1-1516-58-BB</i>	1.500	1 1/2" 16 GA	.065	1.370	5/8"	3/8"	1.060	1.75
<i>RE1-1516-58-TB</i>	1.500	1 1/2" 16 GA	.065	1.370	5/8"	3/8"	1.060	1.75
<i>RE1-1540-12-BB</i>	1.900	1 1/2" SCH 40	.145	1.610	1/2"	3/8"	1.060	1.75
<i>RE1-1540-12-TB</i>	1.900	1 1/2" SCH 40	.145	1.610	1/2"	3/8"	1.060	1.75
<i>RE1-1540-916-BB</i>	1.900	1 1/2" SCH 40	.145	1.610	9/16"	3/8"	1.060	1.75
<i>RE1-1540-916-TB</i>	1.900	1 1/2" SCH 40	.145	1.610	9/16"	3/8"	1.060	1.75
<i>RE1-1540-58-BB</i>	1.900	1 1/2" SCH 40	.145	1.610	5/8"	3/8"	1.060	1.75
<i>RE1-1540-58-TB</i>	1.900	1 1/2" SCH 40	.145	1.610	5/8"	3/8"	1.060	1.75
<i>RE1-1580-12-BB</i>	1.900	1 1/2" SCH 80	.200	1.500	1/2"	3/8"	1.060	1.75
<i>RE1-1580-12-TB</i>	1.900	1 1/2" SCH 80	.200	1.500	1/2"	3/8"	1.060	1.75
<i>RE1-1580-916-BB</i>	1.900	2" SCH 80	.200	1.500	9/16"	3/8"	1.060	1.75
<i>RE1-1580-916-TB</i>	1.900	2" SCH 80	.200	1.500	9/16"	3/8"	1.060	1.75
<i>RE1-1580-58-BB</i>	1.900	2" SCH 80	.200	1.500	5/8"	3/8"	1.060	1.75
<i>RE1-1580-58-TB</i>	1.900	2" SCH 80	.200	1.500	5/8"	3/8"	1.060	1.75
<i>RE1-1610-12-BB</i>	1.740	1 1/2" EMT	.065	1.610	1/2"	3/8"	1.060	1.75
<i>RE1-1610-12-TB</i>	1.740	1 1/2" EMT	.065	1.610	1/2"	3/8"	1.060	1.75
<i>RE1-1610-916-BB</i>	1.740	1 1/2" EMT	.065	1.610	9/16"	3/8"	1.060	1.75
<i>RE1-1610-916-TB</i>	1.740	1 1/2" EMT	.065	1.610	9/16"	3/8"	1.060	1.75
<i>RE1-1610-58-BB</i>	1.740	1 1/2" EMT	.065	1.610	5/8"	3/8"	1.060	1.75
<i>RE1-1610-58-TB</i>	1.740	1 1/2" EMT	.065	1.610	5/8"	3/8"	1.060	1.75
<i>RE1-1716-12-BB</i>	1.740	1 3/4" 16 GA	.065	1.620	1/2"	3/8"	1.060	1.75
<i>RE1-1716-12-TB</i>	1.740	1 3/4" 16 GA	.065	1.620	1/2"	3/8"	1.060	1.75

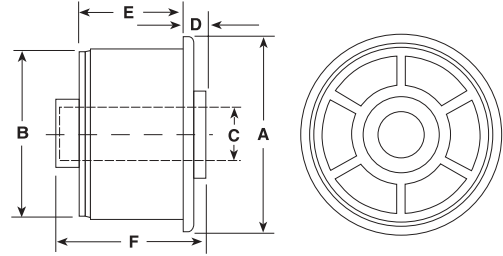
Material: Polyamide (Nylon) alloy.

BB = Sealed blind bore

TB = Through bore

CONVEYOR COMPONENTS

NYLON ROLL END BEARINGS - ONE-PIECE MOLDED



P/N	Tubing O.D.A.	Tubing Gauge B	Tubing Wall	Tubing ID	Shaft C	Hub D	E	Shaft Length F
RE1-1716-916-BB	1.740	1 3/4" 16 GA	.065	1.620	9/16"	3/8"	1.060	1.75
RE1-1716-916-TB	1.740	1 3/4" 16 GA	.065	1.620	9/16"	3/8"	1.060	1.75
RE1-1716-58-BB	1.740	1 3/4" 16 GA	.065	1.620	5/8"	3/8"	1.060	1.75
RE1-1716-58-TB	1.740	1 3/4" 16 GA	.065	1.620	5/8"	3/8"	1.060	1.75
RE1-2040-38-BB	2.375	2" SCH 40	.154	2.067	3/8"	3/8"	1.060	1.75
RE1-2040-38-TB	2.375	2" SCH 40	.154	2.067	3/8"	3/8"	1.060	1.75
RE1-2040-12-BB	2.375	2" SCH 40	.154	2.067	1/2"	3/8"	1.060	1.75
RE1-2040-12-TB	2.375	2" SCH 40	.154	2.067	1/2"	3/8"	1.060	1.75
RE1-2040-916-BB	2.375	2" SCH 40	.154	2.067	9/16"	3/8"	1.060	1.75
RE1-2040-916-TB	2.375	2" SCH 40	.154	2.067	9/16"	3/8"	1.060	1.75
RE1-2040-58-BB	2.375	2" SCH 40	.154	2.067	5/8"	3/8"	1.060	1.75
RE1-2040-58-TB	2.375	2" SCH 40	.154	2.067	5/8"	3/8"	1.060	1.75
RE1-2067-38-BB	2.197	2" EMT	.065	2.067	3/8"	3/8"	1.125	1.75
RE1-2067-38-TB	2.197	2" EMT	.065	2.067	3/8"	3/8"	1.125	1.75
RE1-2067-12-BB	2.197	2" EMT	.065	2.067	1/2"	3/8"	1.125	1.75
RE1-2067-12-TB	2.197	2" EMT	.065	2.067	1/2"	3/8"	1.125	1.75
RE1-2067-916-BB	2.197	2" EMT	.065	2.067	9/16"	3/8"	1.125	1.75
RE1-2067-916-TB	2.197	2" EMT	.065	2.067	9/16"	3/8"	1.125	1.75
RE1-2067-58-BB	2.197	2" EMT	.065	2.067	5/8"	3/8"	1.125	1.75
RE1-2067-58-TB	2.197	2" EMT	.065	2.067	5/8"	3/8"	1.125	1.75
RE1-2080-38-BB	2.375	2" SCH 80	.218	1.939	3/8"	3/8"	1.060	1.75
RE1-2080-38-TB	2.375	2" SCH 80	.218	1.939	3/8"	3/8"	1.060	1.75
RE1-2080-12-BB	2.375	2" SCH 80	.218	1.939	1/2"	3/8"	1.060	1.75
RE1-2080-12-TB	2.375	2" SCH 80	.218	1.939	1/2"	3/8"	1.060	1.75
RE1-2080-916-BB	2.375	2" SCH 80	.218	1.939	9/16"	3/8"	1.060	1.75
RE1-2080-916-TB	2.375	2" SCH 80	.218	1.939	9/16"	3/8"	1.060	1.75
RE1-2080-58-BB	2.375	2" SCH 80	.218	1.939	5/8"	3/8"	1.060	1.75
RE1-2080-58-TB	2.375	2" SCH 80	.218	1.939	5/8"	3/8"	1.060	1.75
RE1-2216-12-BB	2.250	2 1/4" 16 GA	.065	2.120	1/2"	3/8"	1.250	1.75
RE1-2216-12-TB	2.250	2 1/4" 16 GA	.065	2.120	1/2"	3/8"	1.250	1.75
RE1-2216-916-BB	2.250	2 1/4" 16 GA	.065	2.120	9/16"	3/8"	1.250	1.75
RE1-2216-916-TB	2.250	2 1/4" 16 GA	.065	2.120	9/16"	3/8"	1.250	1.75

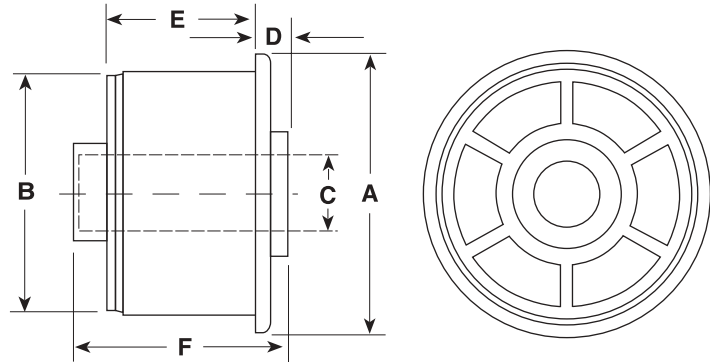
Material: Polyamide (Nylon) alloy.

BB =Sealed blind bore

TB =Through bore

CONVEYOR COMPONENTS

NYLON ROLL END BEARINGS - ONE-PIECE MOLDED



P/N	Tubing O.D.A.	Tubing Gauge B	Tubing Wall	Tubing ID	Shaft C	Hub D	E	Shaft Length F
RE1-2216-58-BB	2.250	2 1/4" 16 GA	.065	2.120	5/8"	3/8"	1.250	1.75
RE1-2216-58-TB	2.250	2 1/4" 16 GA	.065	2.120	5/8"	3/8"	1.250	1.75
RE1-2516-12-BB	2.500	2 1/2" 16 GA	.065	2.370	1/2"	3/8"	1.250	1.75
RE1-2516-12-TB	2.500	2 1/2" 16 GA	.065	2.370	1/2"	3/8"	1.250	1.75
RE1-2516-916-BB	2.500	2 1/2" 16 GA	.065	2.370	9/16"	3/8"	1.250	1.75
RE1-2516-916-TB	2.500	2 1/2" 16 GA	.065	2.370	9/16"	3/8"	1.250	1.75
RE1-2516-58-BB	2.500	2 1/2" 16 GA	.065	2.370	5/8"	3/8"	1.250	1.75
RE1-2516-58-TB	2.500	2 1/2" 16 GA	.065	2.370	5/8"	3/8"	1.250	1.75
RE1-2518-12-BB	2.500	2 1/2" 18 GA	.049	2.402	1/2"	3/8"	1.250	1.75
RE1-2518-12-TB	2.500	2 1/2" 18 GA	.049	2.402	1/2"	3/8"	1.250	1.75
RE1-2518-916-BB	2.500	2 1/2" 18 GA	.049	2.402	9/16"	3/8"	1.250	1.75
RE1-2518-916-TB	2.500	2 1/2" 18 GA	.049	2.402	9/16"	3/8"	1.250	1.75
RE1-2518-58-BB	2.500	2 1/2" 18 GA	.049	2.402	5/8"	3/8"	1.250	1.75
RE1-2518-58-TB	2.500	2 1/2" 18 GA	.049	2.402	5/8"	3/8"	1.250	1.75
RE1-2750-716-BB	2.750	2 3/4" 16 GA	.065	2.620	7/16"	3/8"	1.250	1.75
RE1-2750-716-TB	2.750	2 3/4" 16 GA	.065	2.620	7/16"	3/8"	1.250	1.75
RE1-2750-12-BB	2.750	2 3/4" 16 GA	.065	2.620	1/2"	3/8"	1.250	1.75
RE1-2750-12-TB	2.750	2 3/4" 16 GA	.065	2.620	1/2"	3/8"	1.250	1.75
RE1-2750-916-BB	2.750	2 3/4" 16 GA	.065	2.620	9/16"	3/8"	1.250	1.75
RE1-2750-916-TB	2.750	2 3/4" 16 GA	.065	2.620	9/16"	3/8"	1.250	1.75
RE1-2750-58-BB	2.750	2 3/4" 16 GA	.065	2.620	5/8"	3/8"	1.250	1.75
RE1-2750-58-TB	2.750	2 3/4" 16 GA	.065	2.620	5/8"	3/8"	1.250	1.75

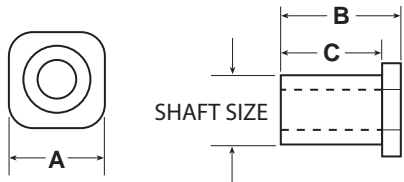
Material: Polyamide (Nylon) alloy.

BB = Sealed blind bore

TB = Through bore

ROLL END BEARING ACCESSORIES

LIGHT DUTY STUB SHAFT (ACETAL)

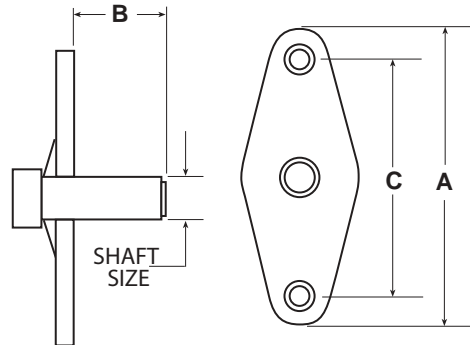


Part No.	A	B	C	Shaft Size
REA-500-12-P	.6875	.875	.750	1/2"

Usage: Light duty stub shaft used with a 5/16-16 hex bolt through the side of the frame. **Injection** molded roll end bearing and stub shaft designed for light duty applications can run in dry or wet environments to provide a virtually maintenance-free service, to improve cleanliness, and to reduce noise levels.



HEAVY DUTY STAINLESS STEEL STUB SHAFT (NYLON)



Part No.	A	B	C	Shaft Size
REA-00-12-s	3.750	1.250	3.00	1/2"

Usage : Bolt to outside of conveyor for easy removal of roller.



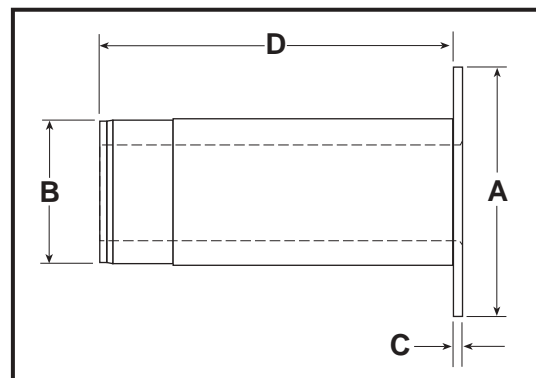
REDUCER BUSHING

P/N	A	B	C	D	Shaft Size
RE1-14-12	.625	.537	0.065	1.400	1/4"
RE1-516-12	.625	.537	0.065	1.400	5/16"

Material: Nylon alloy

For pinchain, press insert into one-piece Nylon roll end bearing to reduce bore size.

(Can press fit into any 1/2" I.D. Roll End Bearing)



Material Production

TSE-OKULEN Americas L.L.C.
Manufacturer of UHMW PE & HMW PE

POLYETHYLENE PLASTIC SHEETS



**One of the
Largest
Sheets
Available
in the US**

“Quality and Consistency in Every Sheet”

TSE-OKULEN Americas LLC (TSE-OK) is a joint venture corporation of TSE Industries, Inc. Clearwater, Florida (TSE) and Ottensteiner Kunststoff GmbH & CO.KG, Ahaus, Germany (OK)

OKULEN (OK) is a premier manufacturer of high (HMW PE) and ultra high (UHMW PE) molecular weight polyethylene sheet, with over 25 years of press mold experience.

With our new 60,000 sq. ft. facility opened in Clearwater, Florida, TSE-OK can press HMW and UHMW PE sheet to your specification.

Custom formulations to enhance wear properties and oversized sheets for better material yield are two of the many benefits TSE-OK can offer you today.

OK1000 TSE-OK stocks a variety of sheets, made of OK1000 (UHMW) Natural, Green, Black, and reprocessed materials. We also stock enhanced blends such as Moly Filled, Static Reduced, Lubricated Oil, and UV Stabilized to meet our customers need.

OK2000 We also offer an upgraded level of custom blends, designated OK2000. This group of products include Glass Filled, High Temperature, Antibacterial, Flame Retardant, and Super Wear Resistant products. These products are available on request and made to your specification. For detailed information on all of the TSE-OK blends, please refer to our **Data Sheets**.

Our blends of polyethylene have a molecular weight of:
OK 500 (HMW – PE) .5 Million
OK1000 (UHMW – PE) 3 - 5 Million
OK 2000 Enhanced 7 - 9 Million

Our new, state of the art, production facility is equipped with a computerized CNC saw that can cut our sheets to any size you may require. We also can plane sheets on one or both sides to ensure tight thickness tolerance. If you like, we can even plane to an over tolerance allowing you to perform special machining applications at your location.

Our in house laboratory can mix and match custom colors upon request. Our qualified technical staff is ready to help with your design requirements or to answer any material questions you may have.

Protecting the environment is important to us. That is why our policy is to recycle 100% of our HMW PE and UHMW PE products in-house.

Our lab ensures our consistent quality.



“Our technical staff can provide you with a variety of material solutions to ensure that the correct materials used in your application meet your specifications”.

SIZES MATERIALS

UHMW PE Sheet Sizes Available

Color: NATURAL UHMW PE (OK1000 natural)

Thickness : 1/4 to 3"
 Standard sheet size: 48" x 120"
 Special sheet sizes: 32" x 120"
 80" x 120"
 80" x 160"
 80" x 240"

Pressed & Planed

Colored: Black and Green REPRO UHMW PE (OK1000 R)

Thickness : 1/4 to 3"
 Standard sheet size: 48" x 120"
 Special sheet sizes: 32" x 120"
 80" x 120"
 80" x 160"
 80" x 240"

Colored: filled blends of UHMW PE (OK2000)
 OIL FILLED BROWN AND GREY, static reduced

Thickness : 1/4 to 3"
 Standard sheet size: 48" x 120"
 Special sheet sizes: 32" x 120"
 80" x 120"
 80" x 160"
 80" x 240"

We offer one of the largest pressed UHMW PE sheets in America:

Super size sheet 80" x 240"
 Super thickness: 80" x 80"

Pressed Thickness Max. 13 inches

The above listed sizes are also available for our high molecular weight HMW PE grades.
 Sheets can also be stress relieved upon special request.

OK 1000 - Materials

OK 1000 Virgin

Standard colors: Natural, Black, and Green with low coefficient of friction, high impact strength, FDA compliant, and an extremely slippery surface which can be machined into a variety of finished parts.

OK 1000 AST 92 Antistatic This Black UHMW reduces static build up, critical in some newer high speed conveyor lines.

OK 1000 UV Stabilized Specially blended to work in your outside applications where direct sunlight can cause problems with untreated UHMW. Black in color, great in liner applications.

OK 1000 Moly Filled We add Molybdenum Disulfide to enhance the already excellent gliding properties of UHMW. The Moly additive reduces the coefficient of friction further and helps perform as a lubricant under extreme dry conditions.

OK 2000 Materials

OK 2000 DG, #562, Purple This product was developed to work in applications where standard materials have failed. Enhanced with a propriety agent, this purple formulation creates an even greater non-stick surface.

OK 2000 GB, Glass Filled UHMW #983 (Black) and #675 (Green) Adding glass to UHMW gives the product higher wear resistance and load capabilities. Where high speed applications exceed the capabilities of standard UHMW, Glass Filled can be an attractive alternative to Nylons or Ceramic products.

OK 2000 L, Oil Filled Lubricated UHMW #845, Brown This Brown UHMW has been an industry standard for years.

FDA compliant, you will find many applications where the higher gliding properties of #845 Oil Filled provide years of trouble free service. Also a popular choice for chain components and tracks where noise reduction is a benefit.

OK 2000 OF, Oil Filled Lubricated UHMW #702, Gray A Gray version of our standard Brown oil filled, also FDA compliant.

OK 2000 W, Wax filled UHMW #703, Gray A special formulation of UHMW developed for the conveyor industry. Many of the newer composite chains run smoother and more efficiently on this polymer grade.

OK 2000 CL, Solid filled UHMW #385, Red This Red UHMW is extremely tough and designed for high impact applications. Used in mining applications, crane wear pads and waste water treatment plants where a heavy duty material really can make a difference in application performance.

OK 2000 Q, Special Blend UHMW #181, Yellow A new enhanced UHMW developed for extreme wear performance. As a bottle neck guide on an air conveyor, this product offers significant improvement over Glass filled UHMW.

OK 2000 H, High Temp UHMW #925, White This material is cross-linked and blended to extend the life of the UHMW in higher temperature applications. In bakery applications or bottle sterilization stations where temps are elevated, #925 delivers improvement in wear and longevity.

TSE CATALOG GLOSSARY

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PHYSICAL PROPERTIES OF PLASTICS

Property	Test Method ASTM	Natural Extruded Nylon	MD Extruded Nylon	Cast Nylon	Molded Teflon®	Extruded Acetal	Molded UHMWPE	
Specific Gravity	D792	1.14-1.15	1.14-1.18	1.15-1.17	2.1-2.3	1.41-1.42	0.94	
Tensile Strength 73°F, psi	D638	9,000-12,000	10,000-14,000	11,000-14,000	1,500-5,000	8,800-12,000	4,000-5,500	
Tensile Modulus of Elasticity, 73°F	D638	250,000-400,000	450,000-600,000	350,000-450,000	50,000-90,000	410,000-520,000	80,000-100,000	
Elongation, 73°F	D638	20-200	5-150	10-60	75-350	12-75	200-450	
Flexural Strength, 73°F, psi	D790	12,500-14,000	16,000-19,000	16,000-17,500	No Break	13,000-15,500	—	
Flexural Modulus of Elasticity, 73°F, psi	D790	175,000-410,000	400,000-500,000	—	90,000-110,000	375,000-550,000	75,000	
Shear Strength, 73°F, psi	D790	9,600	9,500-10,000	10,500-11,500	—	7,700-9,500	3,500	
Compressive Strength, 10% Def., psi	D695	12,000	12,000-13,000	—	—	16,000-18,000	—	
Compressive Modulus of Elasticity, 73°F, psi	D695	—	—	—	95,000-115,000	—	—	
Coefficient of Friction (Dry vs. Steel) Dynamic		.17-.43	.15-.35	.16-.25	.04-.10	.15-.35	.09-.12	
Hardness,	Rockwell, 73°F	D785	R110-120	R110-125	R112-120	R10-20	R119-122	R64
	Durometer, 73°F	D676	D80-85	D80-90	—	D55-70	2.3	—
Tensile Impact, 73°F, ft lb/in ²	D1822	90-180	50-180	80-130	30-200	40-90	1,000	
Coefficient of Linear Thermal Expansion, in/in/°F	D696	5.5x10 ⁻⁵	3.5x10 ⁻⁵	5.0x10 ⁻⁵	5.5-7.5x10 ⁻⁵	4.2-4.7x10 ⁻⁵	7.2x10 ⁻⁵	
Deformation Under Load (122°F 2,000 psi), %	D621	1.0-3.0	0.5-2.5	0.5-1.0	3-7	0.3-1.0	6-8 (6hrs.)	
Deflection Temperature	264 psi, °F	D648	200-450	200-470	200-425	100-140	230-255	—
	66 psi, °F	D648	400-460	400-490	400-425	—	316-338	158-174
Melting Point, °F	D789	482-500	482-500	430±10	621±9	329-347	266	
Continuous Service Temperature in Air (Maximum), °F		180-200	180-200	200-225	500	180	160/180	
Dielectric Strength Short Time, Volts/mil	D149	300-400	300-400	500-600	500-650	380-500	450-500	
Volume Resistivity, OHM-CM	D257	4.5x10 ¹³	2.5x10 ¹³	—	>10 ¹⁷	1x10 ¹⁴ -10 ¹⁵	10 ¹⁸	
Dielectric Constant,	60 Hz	D150	4.1	—	3.7	2.0-2.1	3.7	2.3
	10 ³ Hz	D150	4.0	—	3.7	2.0-2.1	3.7	—
	10 ⁶ Hz	D150	3.4	—	3.7	2.0-2.1	3.7	—
Water Absorption Immersion	24 Hours, %	D570	0.6-1.5	0.5-1.4	0.6-1.2	0.00-0.05	0.12-0.25	<.01
	Saturation, %	D570	7-9	6-8	5.5-6.5	—	0.80-0.90	—
Acids,	Weak, 73°F		Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable
	Strong, 73°F		Unacceptable	Unacceptable	Unacceptable	Acceptable	Unacceptable	Limited
Alkalies,	Weak, 73°F		Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable
	Strong, 73°F		Acceptable	Acceptable	Acceptable	Acceptable	Unacceptable	Acceptable
Hydrocarbons, Aromatic, 73°F		Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	Limited	
Hydrocarbons, Aliphatic, 73°F		Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	
Ketones, 73°F		Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	
Ethers, 73°F		Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	
Esters, 73°F		Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	
Alcohols, 73°F		Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	
Inorganic Salt Solutions, 73°F		Acceptable	Acceptable	Acceptable	Acceptable	—	Acceptable	
Continuous Sunlight, 73°F		Limited	Limited	Limited	Acceptable	—	Unacceptable	

NOTE: Property data shown are typical average values and will vary on specific production lots and by size and configuration of product. Therefore, they should be used only as a guide to primary selection for application of a given material, and never for purchase specifications. Further technical information is available for specific application requirements. All values shown are based on bone dry specimens. Where no value is listed, sufficient details are not available to present a useable figure.

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Material Information

Product Data Sheets



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