

INDUSTRY-LEADING SOLUTION FOR APPLICATIONS WITH VARIABLE TEMPERATURES

EXCELLENT CLEANABILITY • SUPERIOR TRACKING • POSITIVE DRIVE SYSTEM

## APPLICATIONS

**BAKING**

**BATTERING  
& BREADING**

**COATING**

**COLLECTION**

**COOLING**

**CURING**

**DEWATERING**

**DRYING**

**FIBERGLASS**

**FILLING**

**FIRING**

**FREEZING**

**FRYING**

**GLASS ANNEALING**

**ICING**

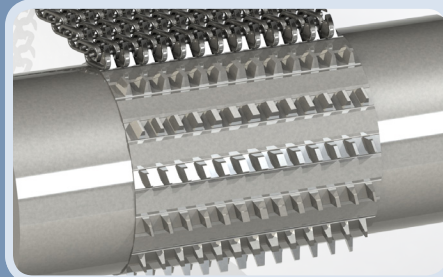
**INFEEDS & EXITS**

**TRANSFERS**

**WASHING**



Positive drive system maintains belt position and evenly distributes drive tension across the width of the belt. Tracking and strength are significantly better than flex-style belting.

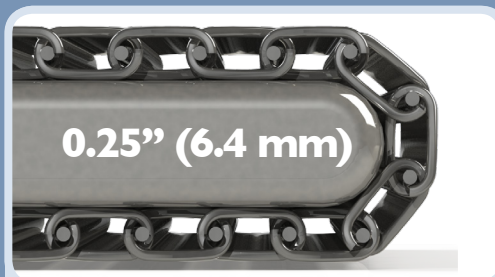


Precision belts are engineered to excel in environments with temperature fluctuations. Graduated teeth on MTS Sprockets and MTRplus Drive Rolls accommodate expansion and contraction of the belt so that it always tracks properly.

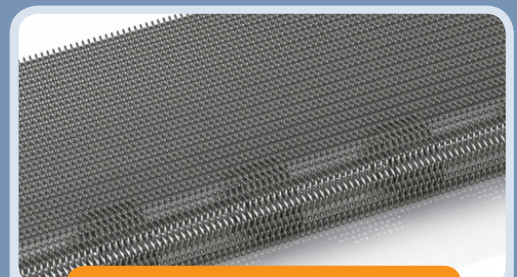


**SELF-CLEANING DESIGN**

Angled, parallelogram-shaped teeth fit perfectly into the Precision mesh opening, breaking up debris and providing a natural self-cleaning action. A cleaning groove sprocket is available for applications that require even more self-cleaning action (see page 3)."



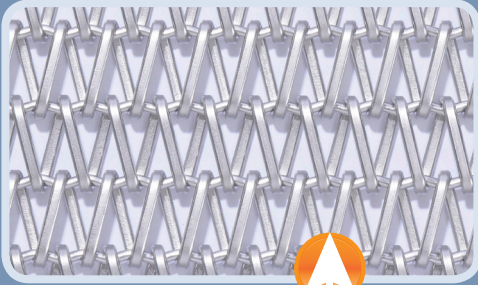
Precision belts can fit around nosebars as small as 1/4" (6.4 mm) diameter, allowing for tight transfers.



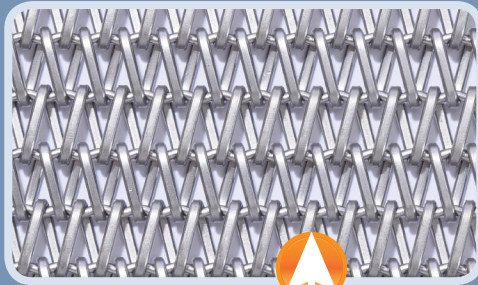
**SMOOTH, FLAT SURFACE**

The stable, flat surface avoids tipping and reduces product damage, especially with delicate products.

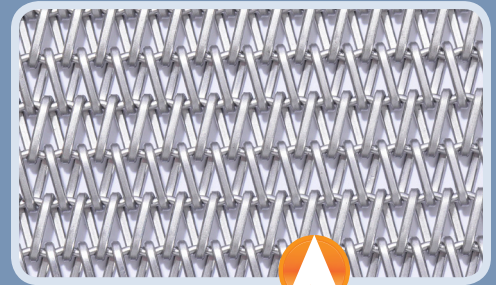
# PRECISION MESH PATTERNS



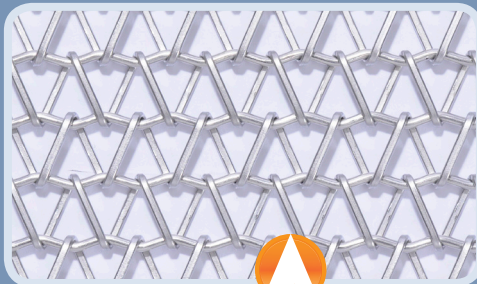
MTR7



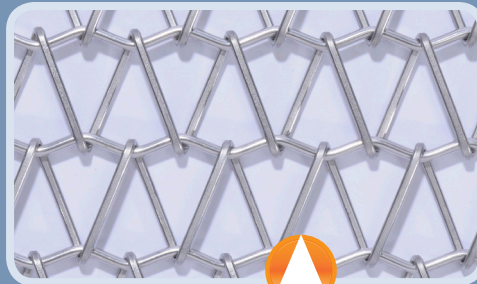
MTR11



MTR16



FFR-3/8



FFR-1/2

**Additional patterns available – See page 3 for full listing.**

## PROVEN RESULTS



Product loss was virtually eliminated for a manufacturer of tortilla strips when they replaced their cloth transfer line with a Precision MTR11 belt.



A national cookie brand switched to Precision MTR12 for their cooling line and extended their belt life from just six months to over one year. Precision also provided much better stability and orientation of the cookies, which led to reduced product loss.

# PRECISION TECHNICAL SPECIFICATIONS

## PRECISION TECHNICAL SPECIFICATIONS

Spec Name	Min. Opening (width x length)		Belt Thickness		Weight		% Open Area	Min. Nosebar Diameter	
	Inches	MM	Inches	MM	Lbs/Ft <sup>2</sup>	Kg/M <sup>2</sup>		Inches	MM
<b>MTR2</b>	0.54 x 0.64	13.72 x 16.26	0.310	7.87	1.27	6.20	61	1.188	30.18
<b>MTR3</b>	0.36 x 0.53	9.14 x 13.46	0.310	7.87	1.97	9.61	45	1.063	27.00
<b>MTR4</b>	0.39 x 0.56	9.91 x 14.22	0.310	7.87	1.50	7.32	52	1.063	27.00
<b>MTR6</b>	0.31 x 0.42	7.87 x 10.67	0.220	5.59	1.15	5.61	51	1.063	27.00
<b>MTR7</b>	0.23 x 0.38	5.84 x 9.65	0.275	6.99	2.17	10.59	35	0.563	14.29
<b>MTR8</b>	0.25 x 0.37	6.35 x 9.40	0.235	5.97	1.545	7.54	44	0.500	12.70
<b>MTR9</b>	0.21 x 0.47	5.33 x 11.94	0.340	8.64	3.620	17.67	34	1.063	27.00
<b>MTR10</b>	0.20 x 0.27	5.08 x 6.89	0.225	5.72	1.660	8.10	33	0.438	11.13
<b>MTR11</b>	0.17 x 0.22	4.32 x 5.59	0.224	5.69	2.06	10.06	29	0.375	9.53
<b>MTR12</b>	0.18 x 0.18	4.57 x 4.57	0.165	4.19	2.06	10.06	35	0.250	6.35
<b>MTR13</b>	0.12 x 0.12	3.05 x 3.05	0.225	5.72	2.84	13.86	24	0.250	6.35
<b>MTR14</b>	0.15 x 0.19	3.81 x 4.83	0.115	2.92	1.07	5.22	40	0.250	6.35
<b>MTR15</b>	0.14 x 0.22	3.56 x 5.59	0.165	4.19	1.29	6.30	37	0.313	7.95
<b>MTR16</b>	0.11 x 0.17	2.79 x 4.32	0.150	3.81	1.59	7.76	23	0.250	6.35
<b>MTR17</b>	0.11 x 0.18	2.79 x 4.57	0.170	4.32	1.84	8.98	39	0.313	7.95
<b>FFR-3/8</b>	0.31 x 0.28	7.87 x 7.11	0.165	4.19	0.97	4.74	57	0.375	9.53
<b>FFR-1/2</b>	0.40 x 0.40	10.16 x 10.16	0.175	4.45	0.71	3.47	66	0.500	12.70

Additional custom specs available

Material: Stainless Steel; Custom alloys also available

# MTS SPROCKET SPECIFICATIONS

## MTS SPROCKET SPECIFICATIONS (STOCK ITEMS)

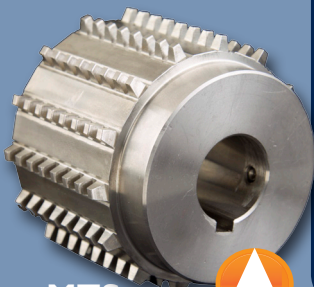
Spec Name	Standard Outside Diameter		Pitch Diameter		Face Width	
	Inches	MM	Inches	MM	Inches	MM
<b>MTR 3</b>	3.125	79.4	2.986	75.8	2	50.8
<b>MTR 4</b>	3.125	79.4	2.987	75.8	2	50.8
<b>MTR 6</b>	3.250	82.6	3.193	81.1	2	50.8
<b>MTR 7</b>	3.125	79.4	3.016	76.6	2	50.8
<b>MTR 10</b>	3.125	79.4	2.983	75.8	2	50.8
<b>MTR 11</b>	3.125	79.4	2.983	75.8	2	50.8
<b>MTR 16</b>	2.875	73.0	2.868	72.8	2	50.8
<b>FFS 3/8</b>	2.210	56.1	2.160	54.9	2	50.8
<b>FFS 1/2</b>	2.290	58.2	2.240	56.9	2	50.8

Additional MTS Sprockets available for special order

Materials: Stainless Steel, Steel, and Acetal



Cleaning Groove Sprocket



MTS Sprocket



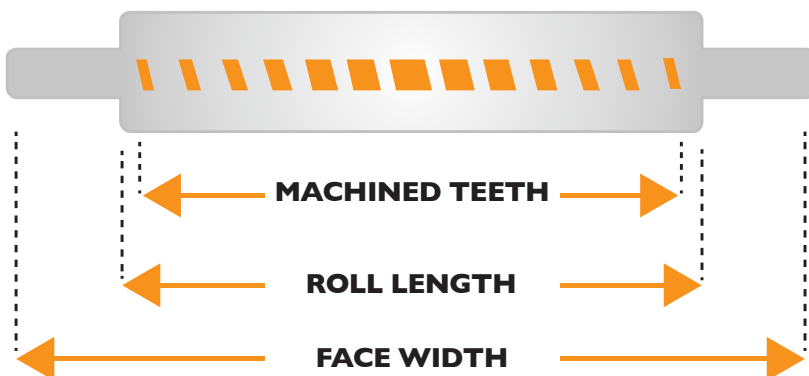
# MTRplus DRIVE ROLLS

## MTRplus DRIVE ROLLS

- **Positive drive system ideal for heavy loads and high temperatures**
- **Tooth profiles and tooth locations perfectly match Precision mesh every time**
- **Individual teeth are machined to allow for expansion and contraction of the belt with optimal tracking**
- **Rolls supplied ready to install, including end shafts journalled, with keyway(s) to the sizes and lengths needed for the specific conveyor**



**MTRplus SELF CLEANING ROLL**



Starting at the centerline of the MTRplus Roll, individual tooth width is progressively reduced to accommodate the expansion or contraction of the belt. Each roll is engineered for a customer's specific and unique application to ensure proper tooth engagement with Precision mesh.

The tooth shape matches the geometry of the Precision mesh openings, which provides stability and maximum drive efficiency.

Maine Industrial Plastics and Rubber Corporation  
21 Teague Street - PO Box 381 - Newcastle, ME 04553  
Phone: (207) 563-5532 Email: HGL@TIDEWATER.NET FAX: (207) 563-8457