

# 7705

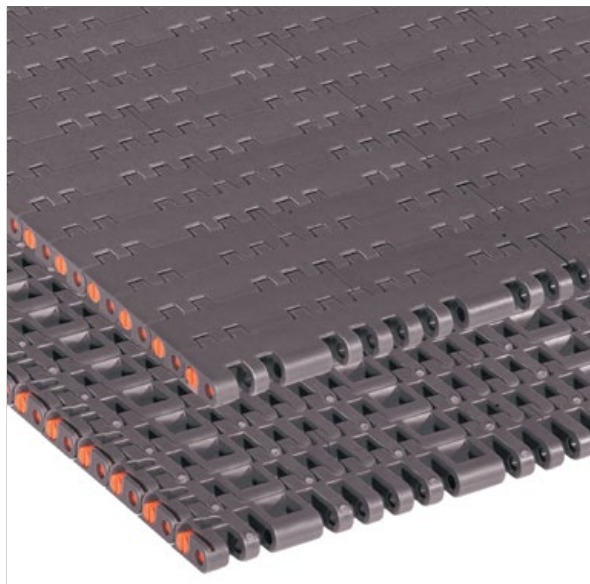
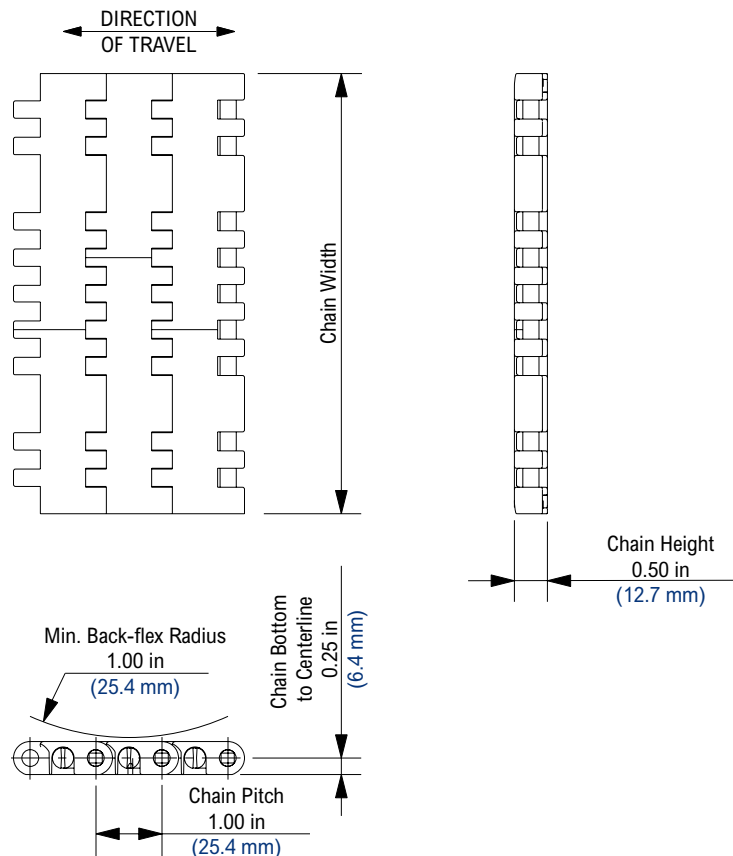


Photo shows Metric 7705 MatTop Chain molded in High Performance (HP) material.



### Chain Information

Chain Capacity	Number of Sprockets	
	per ft of width	per m of width
0% - 50%	2	7
50% - 100%	4	13

### Available Materials

Prefix	Chain Material	Standard Pin Material	Temperature						Chain Strength		Approximate Weight		FDA Approval
			Fahrenheit			Celsius							
			min	max		min	max		lbs/ft	N/m	lbs/ft <sup>2</sup>	kg/m <sup>2</sup>	
<b>Standard Materials</b>													
HP	High Performance	Polyester	-40	180	150	-40	82	66	2,950	43,041	2.76	13.48	Yes
PSX	Platinum Series X	Polyester	-40	180	150	-40	82	66	2,950	43,041	2.76	13.48	Yes
<b>Non-Standard Materials</b>													
Dry-PT	Dry PET Low Friction	Polyester	-40	180	150	-40	82	66	2,950	43,041	2.76	13.48	Yes
PS	Platinum Series	Polyester	-40	180	150	-40	82	66	2,950	43,041	2.76	13.48	Yes

### Regulatory Information

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

Rexnord, MatTop, Dry-PT, TwistLock, HP, Platinum Series, Platinum Series X, PS and PSX are trademarks of Rexnord Corporation.

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U.S. Patent: 5335768

### Additional Notes

Non-Standard products are non-returnable. Minimum order quantity and additional setup charges may also apply.

For chain width information see Rexnord Chain Width Table on page 343.

Open area = 3.0%.

Stainless steel pins are available on a made-to-order basis.

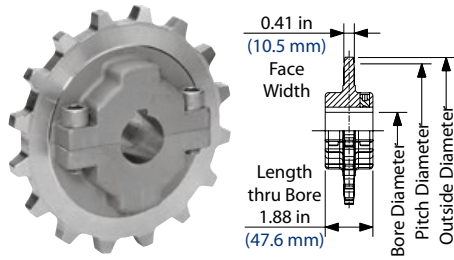
Metric modules, designated by orange plugs, will not couple with English modules.

Also available with PosiTrack Tracking Guides; please see accessories for more information.

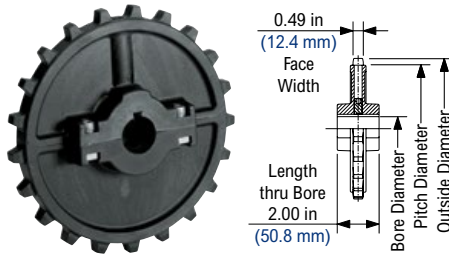
Chain strength is listed at room temperature. NR = Not Recommended.

For additional material information, see material portfolio.

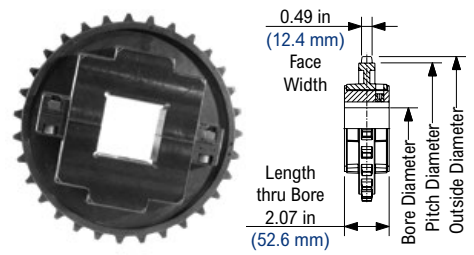
SSS7700 Stainless Steel Split Sprocket



NS7700 Thermoplastic Split Sprocket



NS7700 Thermoplastic Split Sprocket with Adapter



SSS7700 Stainless Steel Split Sprocket Information

Number of Teeth		Pitch Diameter		Outside Diameter		Bore Diameter (Shaft-Ready)								Bore Diameter (Round)				Approximate Weight	
						Round				Square				in		mm			
						in	mm	min	max	min	max	min	max	min	max	min	max		
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
16	16	5.126	130.20	5.14	130.6	1	2	25	50	1	1	25	25	1	2	25	50	3.50	1.59
18	18	5.759	146.28	5.78	146.8	1	2	25	50	1	1	25	25	1	2	25	50	5.00	2.27
21	21	6.710	170.43	6.72	170.7	1	2 1/2	25	60	1	3 1/2*	25	90*	1	3 1/2	25	60	6.00	2.72

Shaft-ready round bore sprockets are shipped with keyway and no setscrew.

\* The 3-1/2 in and 90 mm bores for the 21 tooth square bore sprocket and all round bore sprockets above 1-1/2 in (40 mm) are supplied as machined bores. All other bores are supplied with split bore adapters.

NS7700 Thermoplastic Split Sprocket Information

Number of Teeth		Pitch Diameter		Outside Diameter		Bore Diameter (Shaft-Ready)								Bore Diameter (Round)				Approximate Weight	
						Round				Square				in		mm			
						in	mm	min	max	min	max	min	max	min	max	min	max		
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
16	16	5.126	130.20	5.14	130.6	1	1 5/8	25	40	-	-	-	-	1	1 5/8	25	40	0.73	0.33
18	18	5.759	146.28	5.78	146.8	1	1 5/8	25	40	-	-	-	-	1	1 5/8	25	40	0.84	0.38
21	21	6.710	170.43	6.72	170.7	1	1 5/8	25	40	3 1/2	3 1/2	90	90	1	1 5/8	25	40	0.97	0.44
31	31	9.885	251.08	9.93	252.2	2	4 1/2	50	120	2	4 1/2	50	120	2	4 1/2	50	120	3.72	1.69

Imperial shaft-ready round bore sprockets are shipped with keyway and setscrew. Metric shaft-ready round bore sprockets are shipped with keyway and no setscrew. Idler bores are designed to spin freely on the shaft.

\* The 3-1/2 in and 90 mm square bore are supplied with bore adapters. 1-1/2 in and 40 mm round bore are supplied with bore adapters.

NS7700 Thermoplastic Split Sprocket with Adapter Information

Number of Teeth		Pitch Diameter		Outside Diameter		Bore Diameter (Shaft-Ready)								Bore Diameter (Idler)				Approximate Weight	
						Round				Square				in		mm			
						in	mm	min	max	min	max	min	max	min	max	min	max		
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
21	21	6.710	170.43	6.72	170.7	1 11/16	2 1/2	25	65	1	3	25	75	1 11/16	3	25	75	0.97	0.44
31	31	9.885	251.08	9.93	252.2	1	1 15/16	25	45	1	1 1/2	25	40	1	1 15/16	25	40	3.72	1.69

Imperial shaft-ready round bore sprockets are shipped with keyway and setscrew. Metric shaft-ready round bore sprockets are shipped with keyway and no setscrew. Idler bores are designed to spin freely on the shaft.

\* The 3-1/2 in and 90 mm square bore are supplied with bore adapters. 1-1/2 in and 40 mm round bore are supplied with bore adapters.