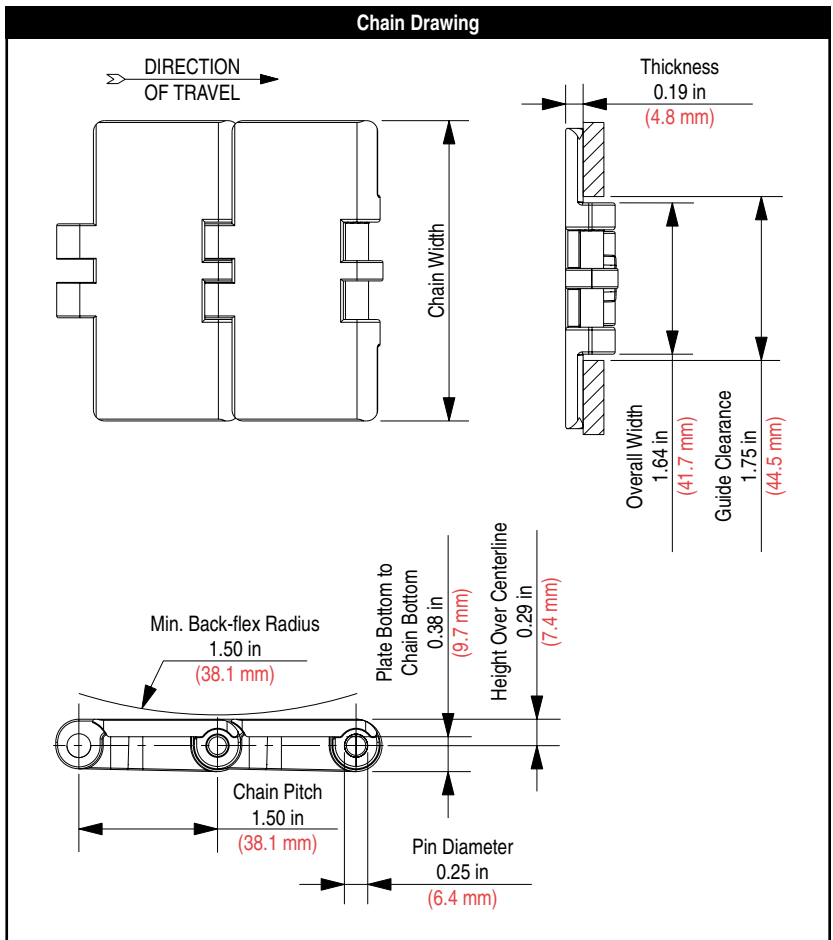




Chain is shown in Low Friction (LF) material.



Chain Information

desc	Chain Width		Min. Side-flex Radius		Approximate Weight	
	in	mm	in	mm	lbs/ft	kg/m
3-1/4	3.25	82.6	-	-	0.61	0.90
4-1/2	4.50	114.3	-	-	0.75	1.11
7-1/2	7.50	190.5	-	-	1.08	1.60

Available Materials

Prefix	Chain Material	Standard Pin Material	Temperature						Chain Strength		FDA Approval
			Fahrenheit			Celsius					
			min	max		min	max		lbs	N	
				dry	wet		dry	wet			
AS	Anti-Static	Stainless Steel	0	+180	+150	-18	+82	+66	219	974	-
CR	Extreme Chemical Resistant	Stainless Steel	+40	+250	+212	+4	+121	+100	292	1,299	✓
D	Plain Acetal	Stainless Steel	-40	+180	+150	-40	+82	+66	365	1,624	✓
ESD	Electrostatic Dissipative	Stainless Steel	0	+180	+180	-18	+82	+82	219	974	-
FR	Flame Retardant	Stainless Steel	0	+180	+140	-18	+82	+60	219	974	-
HP™	High Performance	Stainless Steel	-40	+180	+150	-40	+82	+66	365	1,624	✓
WHP	White High Performance	Stainless Steel	-40	+180	+150	-40	+82	+66	365	1,624	✓
LF	Low Friction	Stainless Steel	-40	+180	+150	-40	+82	+66	365	1,624	✓
WLF	White Low Friction	Stainless Steel	-40	+180	+150	-40	+82	+66	365	1,624	✓
MR	Melt Resistant	Stainless Steel	-80	+220	NR	-62	+104	NR	365	1,624	-
P	Chemical Resistant	Stainless Steel	0	+180	+140	-18	+82	+60	292	1,299	✓
DUV	Ultraviolet Resistant	Stainless Steel	0	+180	+150	-18	+82	+66	365	1,624	-
BWR	Black Wear Resistant	Stainless Steel	-40	+180	NR	-40	+82	NR	438	1,948	-

Standard materials are highlighted. All other materials are available on a made-to-order basis. Chain strength is listed at room temperature. NR = Not Recommended.

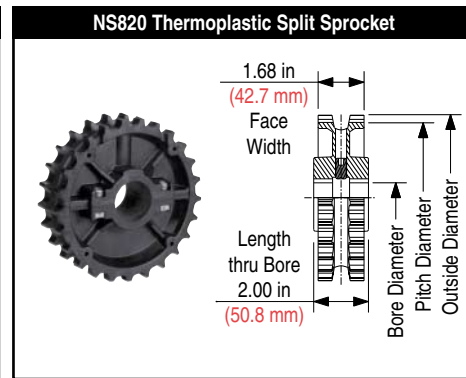
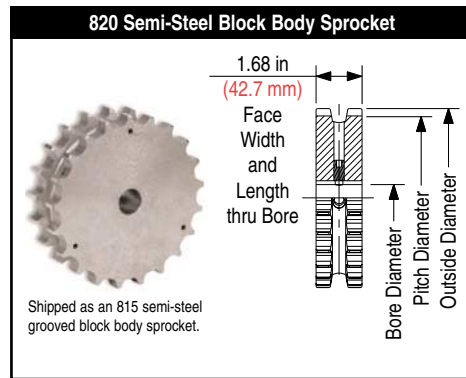
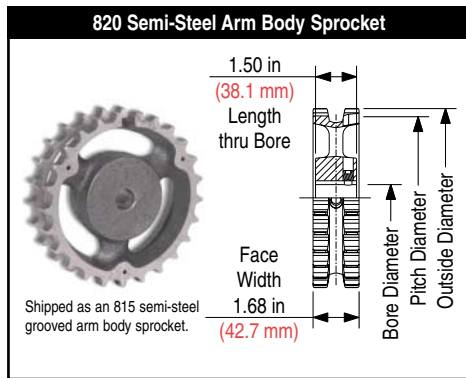
Regulatory Information

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

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Additional Notes

- Stocked in 80 pitch, 10 ft (3.048 m) length strands.
- Thermoplastic pins are available on a made-to-order basis.



820 Semi-Steel Arm Body 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	in	mm	min	max	in	mm	min	max					
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
19	9-1/2	4.622	117.35	4.61	117.1	1	1-1/4	20	30	-	-	-	-	1	1-1/4	20	30	3.28	1.49
20	10	4.854	123.29	4.86	123.4	1	1-1/4	20	30	-	-	-	-	1	1-1/4	20	30	3.81	1.73
21	10-1/2	5.089	129.26	5.12	130.0	1	1-3/4	20	45	-	-	-	-	1	1-3/4	20	45	4.63	2.10
22	11	5.324	135.23	5.35	135.9	1	1-3/4	20	45	-	-	-	-	1	1-3/4	20	45	4.21	1.91
23	11-1/2	5.560	141.22	5.59	142.0	1	1-3/4	20	45	-	-	-	-	1	1-3/4	20	45	5.31	2.41
24	12	5.796	147.22	5.83	148.1	1	1-3/4	20	45	-	-	-	-	1	1-3/4	20	45	4.41	2.00
25	12-1/2	6.032	153.21	6.07	154.2	1	1-3/4	20	45	-	-	-	-	1	1-3/4	20	45	5.57	2.53
27	13-1/2	6.504	165.20	6.56	166.6	1	1-3/4	20	45	-	-	-	-	1	1-3/4	20	45	6.50	2.95
29	14-1/2	6.978	177.24	7.05	179.1	1	1-3/4	20	45	-	-	-	-	1	1-3/4	20	45	6.72	3.05
31	15-1/2	7.452	189.28	7.53	191.3	1	1-3/4	20	45	-	-	-	-	1	1-3/4	20	45	6.86	3.11
41	20-1/2	9.826	249.58	9.93	252.2	1	2-1/2	20	65	-	-	-	-	1	2-1/2	20	65	16.23	7.36

Shaft-ready round bores are shipped with keyway and setscrews. Metric shaft-ready round bores are shipped with metric hardware, but without setscrews.

820 Semi-Steel Block Body 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	in	mm	min	max	in	mm	min	max					
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
13	6-1/2	3.228	81.99	3.11	79.0	1	1-1/4	20	30	-	-	-	-	1	1-1/4	20	30	2.45	1.11
15	7-1/2	3.688	93.68	3.63	92.2	1	1-1/4	20	30	-	-	-	-	1	1-1/4	20	30	3.57	1.62
17	8-1/2	4.152	105.46	4.12	104.7	1	1-11/16	20	40	-	-	-	-	1	1-11/16	20	40	4.83	2.19
21	10-1/2	5.089	129.26	5.12	130.0	1	2-11/16	20	70	-	-	-	-	1	2-11/16	20	70	4.63	2.10
25	12-1/2	6.032	153.21	6.07	154.2	1	3-7/16	20	90	-	-	-	-	1	3-7/16	20	90	5.57	2.53

Shaft-ready round bores are shipped with keyway and setscrews. Metric shaft-ready round bores are shipped with metric hardware, but without setscrews.

NS820 Thermoplastic Split Sprocket 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	in	mm	min	max	in	mm	min	max					
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
21	10-1/2	5.089	129.26	5.12	130.0	1	1-5/8	25	40	-	-	-	-	1	1-5/8	25	40	1.01	0.46
23	11-1/2	5.560	141.22	5.59	142.0	1	1-5/8	25	40	-	-	-	-	1	1-5/8	25	40	1.19	0.54
25	12-1/2	6.032	153.21	6.07	154.2	1	2	25	50	-	-	-	-	1	2	25	50	1.39	0.63
27	13-1/2	6.504	165.20	6.56	166.6	1	1-5/8	25	40	-	-	-	-	1	1-5/8	25	40	1.76	0.80

Shaft-ready round bores are shipped with keyway and setscrews. Metric shaft-ready round bores are shipped with metric hardware, but without setscrews. Idler bores are designed to spin freely on the shaft without keyway or setscrews.

