

815 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	min	max	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	4.620	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.

815 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	min	max	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.

NS815 Thermoplastic Split Sprocket Information																			
Number of Teeth		Pitch Diameter		Outside Diameter		Bore Diameter (Shaft-Ready)								Bore Diameter (Idle)				Approximate Weight	
						Round				Square				in		mm			
						in	mm	min	max	in	mm	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	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. Idle bores are designed to spin freely on the shaft without keyway or setscrews.

820 Semi-Steel Arm Body Sprocket

Shipped as an 815 semi-steel grooved arm body sprocket.

820 Semi-Steel Block Body Sprocket

Shipped as an 815 semi-steel grooved block body sprocket.

NS820 Thermoplastic Split Sprocket

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						Bore Diameter (Round)						
			in		mm		in		mm		in		mm		in		mm				
actual	effect	in	mm	in	mm	min	max	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						Bore Diameter (Round)						
			in		mm		in		mm		in		mm		in		mm				
actual	effect	in	mm	in	mm	min	max	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		

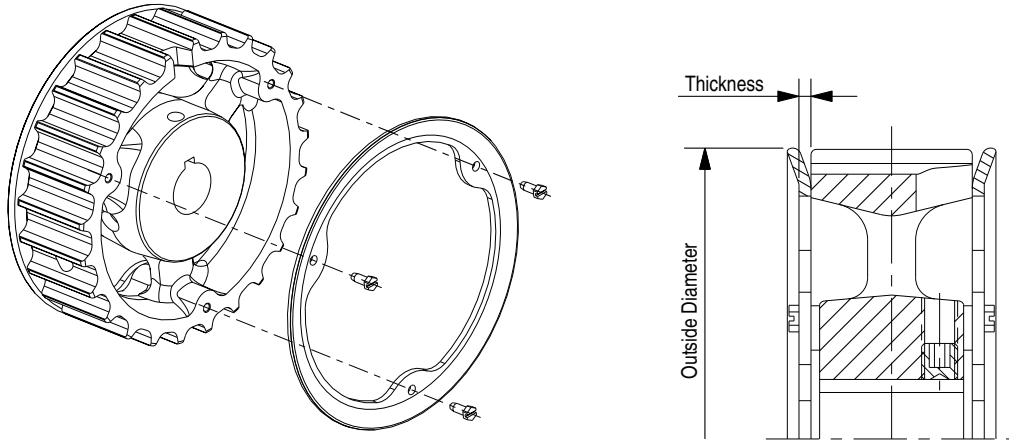
Shaft-ready round bores are shipped with keyway and setscrews. Metric shaft-ready round bores are shipped with metric hardware, but without setscrews.

NS820 Thermoplastic Split Sprocket Information

Number of Teeth	Pitch Diameter	Outside Diameter	Bore Diameter (Shaft-Ready)												Bore Diameter (Idler)				Approximate Weight		
			Round						Square						Bore Diameter (Idler)						
			in		mm		in		mm		in		mm		in		mm				
actual	effect	in	mm	in	mm	min	max	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.

Guide Rings



One set = two guide rings and six assembly screws (Part #114-115-1).

For 815 and 820 semi-steel sprockets only.

Part Number		Sprocket Teeth	Outside Diameter		Thickness		Approximate Weight	
Carbon Steel	Stainless Steel		in	mm	in	mm	lbs	kg
W803-AC	W803-YYC	15-16	3.62	91.9	0.06	1.5	0.23	0.10
W805-AC	W805-YYC	17-18	4.11	104.4	0.06	1.5	0.26	0.12
W868-AC	W868-YYC	19-20	4.58	116.3	0.13	3.3	0.37	0.17
W864-AC	W864-YYC	21-22	5.09	129.3	0.13	3.3	0.44	0.20
W863-AC	W863-YYC	23-24	5.56	141.2	0.13	3.3	0.46	0.21
W865-AC	W865-YYC	25-26	6.04	153.4	0.13	3.3	0.47	0.21
W866-AC	W866-YYC	27-28	6.53	165.9	0.13	3.3	0.53	0.24
W867-AC	W867-YYC	29-30	7.02	178.3	0.13	3.3	0.56	0.25
W862-AC	W862-YYC	31-32	7.50	190.5	0.13	3.3	0.67	0.30
W869-AC	W869-YYC	41-42	9.89	251.2	0.13	3.3	0.92	0.42