



90 Bissel Street

Joliet, IL 60432

phone 800.876.7216

fax 815.723.9207

INTERNAL MAJOR DIAMETERS 8/16 DP & 10/20 DP, 30° PA

8/16 DP

# of Splines	Minor Diam.	Major Diameter			# of Splines	Minor Diam.	Major Diameter		
		Flat Root Major diam. Fit	Flat Root Side Fit	Fillet Root Side Fit			Flat Root Major diam. Fit	Flat Root Side Fit	Fillet Root Side Fit
6	664	0.875	0.923	0.997	26	3.125	3.75	3.423	3.5
7	.777/.772	1	1.048	1.122	27	3.25	3.5	3.548	3.625
8	.896/.886	1.125	1.173	1.247	28	3.375	3.625	3.673	3.75
9	1.016/1.005	1.25	1.298	1.373	29	3.5	3.75	3.798	3.875
10	1.138/1.125	1.375	1.423	1.498	30	3.625	3.875	3.923	4
11	1.260/1.250	1.5	1.548	1.623	31	3.75	4	4.048	4.125
12	1.383/1.375	1.625	1.673	1.748	32	3.875	4.125	4.173	4.25
13	1.506/1.500	1.75	1.798	1.873	33	4	4.25	4.298	4.376
14	1.629/1.625	1.875	1.923	1.998	34	4.125	4.375	4.423	4.501
15	1.753/1.750	2	2.048	2.123	35	4.25	4.5	4.548	4.626
16	1.877/1.875	2.125	2.173	2.248	36	4.375	4.625	4.673	4.751
17	2.001/2.000	2.25	2.298	2.374	37	4.5	4.75	4.798	4.876
18	2.125	2.375	2.423	2.499	38	4.625	4.875	4.923	5.001
19	2.25	2.5	2.548	2.624	39	4.75	5	5.048	5.126
20	2.375	2.625	2.673	2.749	40	4.875	5.125	5.173	5.251
21	2.5	2.75	2.798	2.874	41	5	5.25	5.298	5.376
22	2.625	2.875	2.923	2.999	42	5.125	5.375	5.423	5.502
23	2.75	3	3.048	3.124	43	5.25	5.5	5.548	5.627
24	2.875	3.125	3.173	3.249	44	5.375	5.625	5.673	5.752
25	3	3.25	3.298	3.375	45	5.5	5.75	5.798	5.877



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INTERNAL MAJOR DIAMETERS 8/16 DP & 10/20 DP, 30° PA

10/20 DP

# of Splines	Minor Diam.	Major Diameter			# of Splines	Minor Diam.	Major Diameter		
		Flat Root Major Diam. Fit	Flat Root Side Fit	Fillet Root Side Fit			Flat Root Major Diam. Fit	Flat Root Side Fit	Fillet Root Side Fit
6	0.534	0.7	0.739	0.779	26	2.5	2.7	2.739	2.801
7	.622/.621	0.8	0.839	0.889	27	2.6	2.8	2.839	2.901
8	.717/.710	0.9	0.939	0.999	28	2.7	2.9	2.939	3.001
9	.814/.805	1	1.039	1.1	29	2.8	3	3.039	3.101
10	.911/.901	1.1	1.139	1.2	30	2.9	3.1	3.139	3.201
11	1.008/1.000	1.2	1.239	1.3	31	3	3.2	3.239	3.302
12	1.107/1.100	1.3	1.339	1.4	32	3.1	3.3	3.339	3.402
13	1.205/1.200	1.4	1.439	1.5	33	3.2	3.4	3.439	3.502
14	1.304/1.300	1.5	1.539	1.6	34	3.3	3.5	3.539	3.602
15	1.403/1.400	1.6	1.639	1.7	35	3.4	3.6	3.639	3.702
16	1.502/1.500	1.7	1.739	1.8	36	3.5	3.7	3.739	3.802
17	1.601/1.600	1.8	1.839	1.9	37	3.601	3.8	3.839	3.902
18	1.7	1.9	1.939	2	38	3.7	3.9	3.939	4.002
19	1.8	2	2.039	2.1	39	3.8	4	4.039	4.102
20	1.9	2.1	2.139	2.201	40	3.9	4.1	4.139	4.202
21	2	2.2	2.239	2.301	41	4	4.2	4.239	4.302
22	2.1	2.3	2.339	2.401	42	4.1	4.3	4.339	4.403
23	2.2	2.4	2.439	2.501	43	4.2	4.4	4.439	4.503
24	2.3	2.5	2.539	2.601	44	4.3	4.5	4.539	4.603
25	2.4	2.6	2.639	2.701	45	4.4	4.6	4.639	4.703