

Splined & Clamp Specifications

Spline Coupling Specifications

Spline Size			Pressure Angle (Degrees)	SAE Designation	Major Diameter (Inches)	Std Coupling Available Model Sizes	Steel Bushed Coupling	
Number of Teeth	Pitch Ratio	Spline Code					Bushing Diameter	Available Model Sizes
9	16/32	0916	30°	A	0.625	100 - 900	1.250	200 - 600
13	8/16	1308	30°	D, E	1.750	400 - 900	2.625	600 - 900
13	16/32	1316	30°	B	0.875	100 - 900	1.500	300 - 800
14	12/24	1412	30°	C	1.250	200 - 900	2.250	500 - 900
15	8/16	1508	30°	F	2.000	500 - 900	3.500	800 - 900
15	16/32	1516	30°	BB	1.000	100 - 900	1.750	400 - 800
17	12/24	1712	30°	CC	1.500	300 - 900	2.250	500 - 900
21	16/32	2116	30°		1.375	300 - 900	2.250	500 - 900
23	16/32	2316	30°		1.500	300 - 900	2.250 ¹	500 - 900
27	16/32	2716	30°		1.750	400 - 900	2.625 ²	600 - 900
40	16/32	4016	30°		2.562	600 - 900	3.875	800 - 900

Note: 1 - With Model 600 - 900, Bushing O.D. is 2.625.

2 - With Model 700 & 800, Bushing O.D. is 2.875.

Spline Type Identifier Code: A = Spline, B = Steel Bushing

Clamp Type Code: C = Clamp Type.

Part Number Usage: Magnaloy Splined Coupling part numbers may be specified using the following format: Start with letter "M" designating Magnaloy, follow with 3 digit Model Code (100, 200, etc.), next use a single letter Spline Type Identifier Code ("A" for regular spline or "B" for steel bushing), then the specific 4 digit Spline Code. If a clamp type coupling is desired, use the letter code "C" after the Spline Code.

Examples: Model 300 hub with 13 tooth 16/32 splined bore: M300A1316. Same item with steel bushing: M300B1316. Same item with steel bushing and clamp: M300B1316C.

Clamp Type Coupling Specifications

Coupling Model	Bolt Location		U	
	Z	Y	Bolt Size	Torque Spec.
100	0.31	0.68	1/4 - 20	130-140 in lbs
200	0.43	0.75	1/4 - 20	130-140 in lbs
300	0.47	0.95	5/16 - 18	210-220 in lbs
400	0.69	0.106	5/16 - 18	210-220 in lbs
500	0.72	1.25	3/8 - 16	300-310 in lbs
600	1.13	1.50	7/16 - 14	35-36 ft lbs
700	1.13	1.75	7/16 - 14	35-36 ft lbs
800	1.30	2.56	1/2 - 13	49-50 ft lbs
900*	0.75 & 2.19	3.00	3/4 - 10	100-110 ft lbs

* Model 900 utilizes two bolt clamp design.

