

# Couplings, Inserts



Coupling Model No.	Std. Max Bore		
100	1 1/8		
200	1 3/8		
300	1 5/8		
400	1 7/8		
500	2 3/8		
600	2 5/8		
700	2 7/8		
800	3 7/8		
900	4 3/4		

Basic Insert Part No.	Neoprene Code	Urethane Code	Viton Code	Hytre Code	Buna N Code	EPDM Code
M170	N6	U9	V8	H5	B8	E8
M270	N6	U9	V8	H5	B8	E8
M370	N6	U9	V8	H5	B8	E8
M470	N7	U9	V8	H5	B8	E8
M570	N7	U9	V8	H5	B8	E8
M670	N7	U9	V8	H5	B8	E8
M770	N8	U9	V8	H5	B8	E8
M870	N8	U9	V8	H5	B8	E8
M970	N8	U9	V8	H5	B8	E8

## PART NUMBER USAGE:

Magnaloy Coupling INSERT part numbers may be specified using the following format:

Start with the Basic Insert Part Number followed by the 2 digit material code. **ie. M170U9**

Shaded Area - Semi Standard  
No Additional Cost

## Magnaloy "Standard" Bore & Keyway Combinations

Model Code	Bore/Key Code	Bore	Key	100	200	300	400	500	600	700	800
M	01203	3/8 x 3/32		o	o						
M	01403	7/16 x 3/32		o	o						
M	01404	7/16 x 1/8		o	o						
M	01604	1/2 x 1/8		o	o	o					
M	01804	9/16 x 1/8		o	o	o					
M	02005	5/8 x 5/32		o	o	o					
M	02006	5/8 x 3/16		o	o	o	o				
M	02206	11/16 x 3/16		o	o	o	o				
M	02404	3/4 x 1/8		o	o	o					
M	02406	3/4 x 3/16		o	o	o	o	o			
M	02806	7/8 x 3/16		o	o	o	o	o	o		
M	02808	7/8 x 1/4		o	o	o	o	o	o		
M	03008	15/16 x 1/4		o	o	o					
M	10006	1 x 3/16		o	o	o	o	o			
M	10008	1 x 1/4		o	o	o	o	o	o		
M	10408	1 1/8 x 1/4		o	o	o	o	o	o		
M	10608	1 3/16 x 1/4				o		o			
M	10808	1 1/4 x 1/4			o	o	o	o	o		
M	10810	1 1/4 x 5/16			o	o	o	o	o	o	o
M	11210	1 3/8 x 5/16			o	o	o	o	o	o	o
M	11212	1 3/8 x 3/8				o					
M	11412	1 7/16 x 3/8				o	o	o			
M	11610	1 1/2 x 5/16				o	o	o	o		
M	11612	1 1/2 x 3/8				o	o	o	o	o	o
M	12012	1 5/8 x 3/8				o	o	o	o	o	o
M	12412	1 3/4 x 3/8					o	o	o	o	o

## Magnaloy "Standard" Bore & Keyway Combinations

Model Code	Bore/Key Code	Bore	Key	200	300	400	500	600	700	800	900
M	12414	1 3/4 x 7/16				o	o	o	o	o	
M	12816	1 7/8 x 1/2				o	o	o	o	o	o
M	13016	1 15/16 x 1/2					o	o			
M	20016	2 x 1/2					o	o	o	o	o
M	20416	2 1/8 x 1/2					o	o	o	o	o
M	20816	2 1/4 x 1/2					o	o	o	o	o
M	21220	2 3/8 x 5/8					o	o	o	o	o
M	21620	2 1/2 x 5/8						o	o	o	o
M	22020	2 5/8 x 5/8						o	o	o	o
M	22420	2 3/4 x 5/8							o	o	o
M	22824	2 7/8 x 3/4							o	o	o
M	30024	3 x 3/4								o	o
M	30824	3 1/4 x 3/4								o	o
M	31228	3 3/8 x 7/8								o	o
M	31628	3 1/2 x 7/8								o	o
M	32028	3 5/8 x 7/8								o	o
M	32428	3 3/4 x 7/8								o	o
M	32832	3 7/8 x 1								o	o
M	40032	4 x 1									o
M	40432	4 1/8 x 1									o
M	40832	4 1/4 x 1									o
M	41232	4 3/8 x 1									o
M	41632	4 1/2 x 1									o
M	41640	4 1/2 x 1 1/4									o
M	42040	4 5/8 x 1 1/4									o
M	42440	4 3/4 x 1 1/4									o

**PART NUMBER USAGE:** Magnaloy Coupling HUB part numbers may be specified using the following format:

Start with letter "M" designating Magnaloy, followed by 3 digit Model Code (100, 200, 300, etc), the the specific 5 digit Bore Key Code.



# Splined Bore, Steel Bushings & Clamps

## Special Bores & Double Set Screws

Coupling Model No.		
100		
200		
300		
400		
500		
600		
700		
800		
900		

**SPECIAL SERVICES** for special machining services, ie.: taper bores, snap ring grooves, facing, special sized keyways, and couplings altered by factory per customer specifications, consult factory.  
Factory will also consider bores greater than the standard maximum for limited applications.  
Consult factory for required information.

\* **Special and Metric** charges for Special Bores, Non-Standard Bore and Keyway Combinations, Standard Metric Bore & Keyways, and Bores without keyways.

## Splined Bores, Steel Bushing and Clamps

Coupling Model Size	Stock Model Sizes							
	Standard Coupling		Group A		Group B		Group C	
	Splined Bore	Splined Bore w/Clamp	Steel Bushed	Steel Bushed w/Clamp	Steel Bushed	Steel Bushed w/Clamp	Steel Bushed	Steel Bushed w/Clamp
100								
200								
300								
400								
500								
600								
700								
800								
900								

## Splined Bores:

Note: For Non-Stock Size Splines add to Special Bore Price: \$125.35

The following IN-Plant brochures are all 30° A.P., Flat Root, Side Fit. For other splines, consult factory.

Number of Teeth	Pitch	Pressure Angle (Degrees)	SAE Designation	Major Diameter (Inches)	Standard Coupling		Steel Bushed Coupling		
					Available Model Sizes	Stock Model Sizes <sup>1</sup>	Available Model Sizes	Stock Model Sizes <sup>1</sup>	Size Group
9	16/32	30	A	.625	100-900	100-400	200-900	200-400	A
13	8/16	30	D, E	1.750	400-900	400-700	600-900	600-800	B
13	16/32	30	B	.875	100-900	100-500	300-900	300-500	A
14	12/24	30	C	1.250	200-900	200-700	500-900	500-700	B
15	16/32	30	BB	1.000	100-900	300-500	400-900	400-600	A
15	8/16	30	F	2.000	500-900	500-700	800-900	800	C
17	12/24	30	CC	1.500	300-900	500-700	500-900	500-800	B
21	16/32	30		1.375	300-900	300-600	500-900	500, 600	B
23	16/32	30		1.500	300-900	500-600	500-900	500-700	B
27	16/32	30		1.750	400-900	500-700	600-900	600, 800	B
40	16/32	30		2.562	600-900	NONE	800-900	NONE	C

<sup>1</sup> Above prices are for splined bores in STOCK MODEL SIZES only - for other model sizes, consult factory.

# PM 90 Coupling



Standard Bore/Key		
Semi-Standard Bore/Key*		

\* Semi-Standard Bore/Key combinations are shown as shaded in the chart below. For quantities greater than 50 pieces, consult factory.  
All other Bore/Key combinations, consult factory for price and availability.

Insert Part No.	Insert Material	Li t
P097N7	Nitrile	
P097U9	Urethane	
P097H5	Hytrel	

## Standard Bore/Keyway Combinations available with PM 90 Model Coupling

Part Number	Bore	Number of Set Screws *	Set Screw Size
P090014N	7/16 - No Keyway	Single Set Screw	1/4 - 20 UNC
P09001403	7/16 x 3/32	Single Set Screw	1/4 - 20 UNC
P09001404	7/16 x 1/8	Single Set Screw	1/4 - 20 UNC
P09001604	1/2 x 1/8	Double Set Screw	1/4 - 20 UNC
P09001804	9/16 x 1/8	Double Set Screw	1/4 - 20 UNC
P09002005	5/8 x 5/32	Double Set Screw	1/4 - 20 UNC
P09002006	5/8 x 3/16	Double Set Screw	1/4 - 20 UNC
P09002206	11/16 x 3/16	Double Set Screw	1/4 - 20 UNC
P09002404	3/4 x 1/8	Double Set Screw	1/4 - 20 UNC
P09002406	3/4 x 3/16	Double Set Screw	1/4 - 20 UNC
P09002806	7/8 x 3/16	Double Set Screw	1/4 - 20 UNC
P09002808	7/8 x 1/4	Double Set Screw	1/4 - 20 UNC
P09010006	1 x 3/16	Double Set Screw	1/4 - 20 UNC
P09010008	1 x 1/4	Double Set Screw	1/4 - 20 UNC
P09010408	1 1/8 x 1/4	Double Set Screw	1/4 - 20 UNC

*Shaded items above are Semi-Standard for PM90 Couplings*

\* Double set screws are located over the keyway and 45° from the keyway on all bores 1/2 inch and over.  
Under 1/2 inch a single set screw is located between drive lugs, over keyway.

Other Bore/Keyway combinations available - consult factory for price and availability.

## ORDERING INFORMATION:

When ordering Type PM Couplings, order by Hub and Insert (ie. 2 hubs and 1 insert equal a complete coupling). Specify quantity and part number or type, model size, and bore & keyway for each hub, and quantity and part number or type, model size and material for each insert.

IE. 35 P09002006 or PM 90 Hub 5/8 x 3/16  
35 P09010408 or PM 90 Hub 1 1/8 x 1/4  
35 P097N7 or PM 97 Insert - Nitrile 70 Durometer