

Martin Coupling Nomenclature



Quadra-Flex® Couplings



Jaw Couplings



Martin-Flex® Couplings



Chain Couplings



Blue-Flex™ Grid Couplings

Coupling Comparison Chart

Type	Connecting Medium	Max. HP per 100 RPM	Max. RPM	Bore Range	Allowable Misalignment		Shock Load Capacity	Vibration Dampening	Temperature	
					Angle	Parallel			Range	Fahrenheit
Chain	Roller Chain	700	5000	3/8" – 6 1/8"	2°	.015	NONE	NONE	-30°	225°
Jaw	Elastomeric Spider	3.6	3600	1/8" – 2 5/8"	1°	.015	MODERATE	MODERATE	-60°	225° *
Martin-Flex®	Elastomeric Tire	14.4	4500	3/8" – 3 1/2"	4°	1/8	EXCELLENT	EXCELLENT	-45°	225° **
Quadra-Flex®	Elastomeric Sleeve	115	9200	1/2" – 6"	.033°	.062	EXCELLENT	EXCELLENT MODERATE	-50°	225° ***
Blue-Flex™	Metal Grid	2618	6000	1/2" – 14 1/4"	.025°	.030	EXCELLENT	EXCELLENT	-20°	250°

* With Hytrel® Spider

** With Neoprene Element

*** With TPR Sleeve

**** With EPDM Sleeve

Coupling Nomenclature

QUADRA-FLEX®

Flange Size
3, 4, 5, 6, 7, 8, 9,
10, 11, 12, 13, 14, 18

5 J 3/4 8 JEM

Flange
J Sintered Steel, BTS
S Cast Iron, BTS
B Cast Iron, QD Bushing
SC Spacer Coupling Flange

Hubs (for SC Flanges)
H Spacer Coupling Hub
HS Spacer Coupling Hub Short

Bore

Note: Bored-to-Size flanges are furnished with standard keyway and 2 setscrews unless specified otherwise

Sleeve Material
JEM TPR - 1 pc solid, Thermoplastic
JEMS TPR - 1 pc split, Thermoplastic
EM TPR - 2 piece with retaining ring
E EPDM - 2 pc with retaining ring
N Neoprene - 2 pc with retaining ring
H Hytrel - 1 pc solid
HS Hytrel - 2 pc
Sleeve Size (3 to 16)

The complete Quadra-Flex Coupling assembly consists of 2 flanges and a sleeve.

When ordering the flange, specify coupling size, followed by the flange type and finally the bore size. When ordering the coupling sleeve, specify the coupling size followed by the letters designating the material required.

Martin FLEX®

Type
5, 6, 7, 8, 9,
10, 11, 12

F5 JA

Bore
JA, SDS, SF, SH, SK, E

JAW

Type
ML Universal
MS Super
Size
035, 050, 070, 075, 090, 095, 099, 100, 110, 150, 190, 225
Bore
Element (Spider)
SRL Buna-N
SHL Hyntel
SUL Urethane
SBL Bronze

ROLLER CHAIN

Chain Size
4012, 4016, 5016, 5018, 6018, 6020, 6022, 8018, 8020, 10018, 10020, 12018, 12022
Bore Size
inches or mm
or Bushing
JA QD
TBH, TBF Taper

4016 CHN

4016 COV

Chain
Cover
Plastic: 4012-6020
Aluminum: 6022-12022

BLUE-FLEX™ GRID

Size
1020 to 1200

1020 M10

Cover Style
M10 Horizontal
M20 Vertical