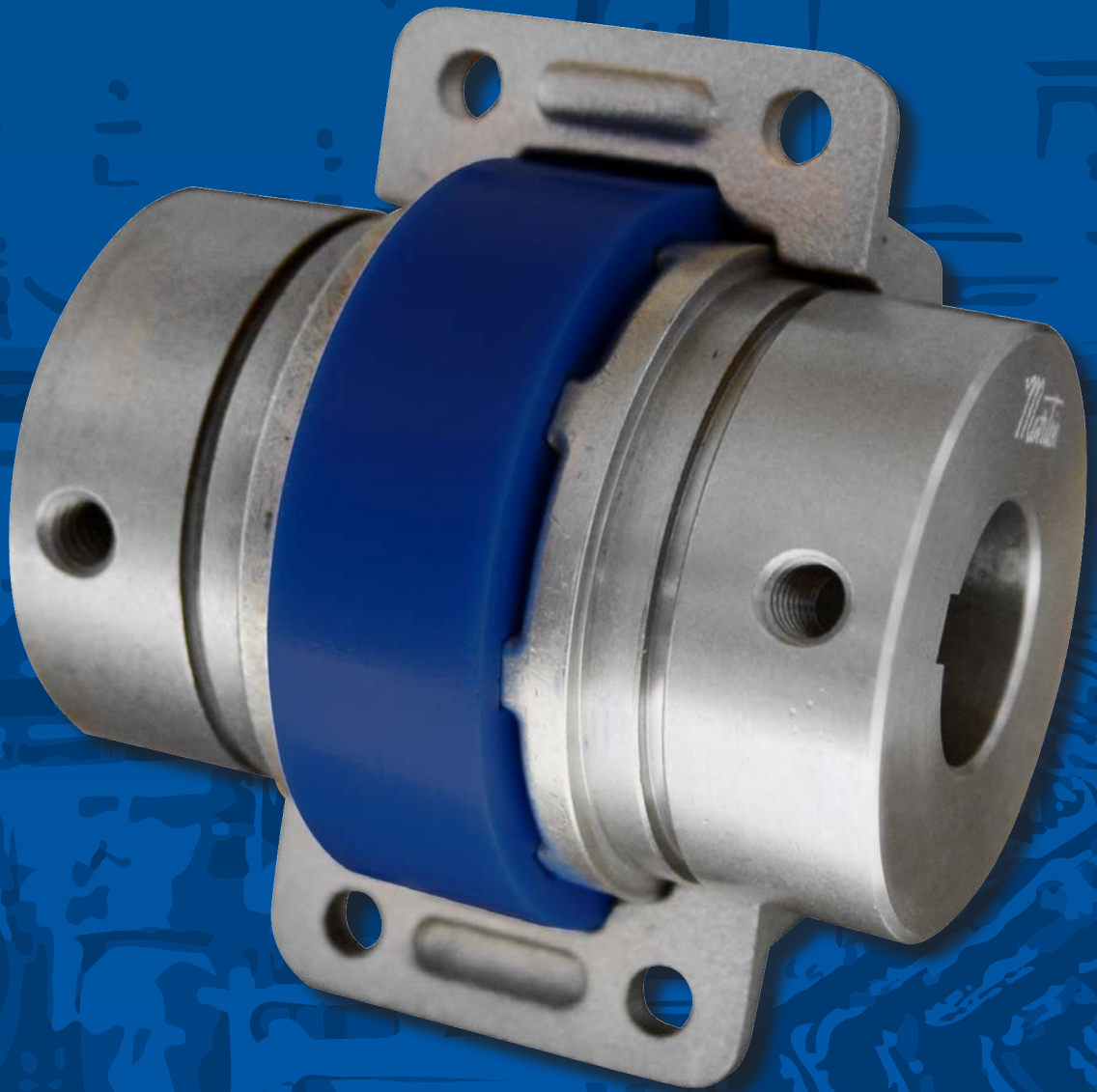


Martin

Go-Flex[®] Flexible Coupling

Fast & Easy Insert Replacement
Low Maintenance
No Lubrication
Horizontal or Vertical Installation



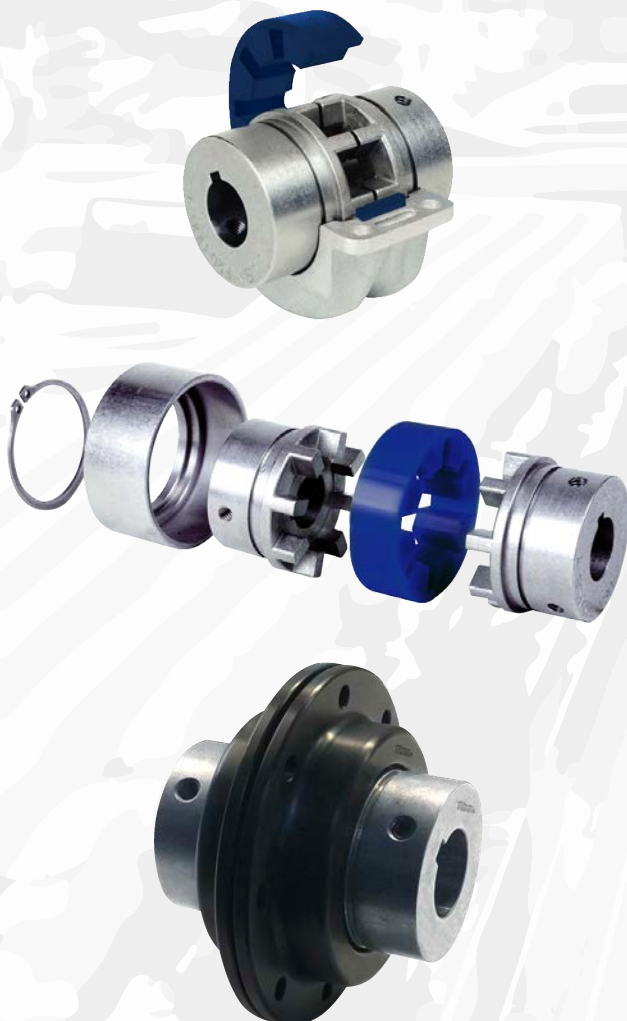
Martin Go-Flex® Couplings are one of the easiest to install, maintain, and replace!

A complete coupling consists of 2 hubs, available in carbon or stainless steel, a urethane split insert (choose from 5 types), and a cover – either a slide over cover retained by a snap ring, a vertically split for high-speed applications, or a horizontally split cover for extreme torque applications.

Once you have correctly selected and properly installed a *Martin* Go-Flex® coupling, the

split insert is all you should have to replace. Replacement of the insert is easy and your equipment can be back up and running in minutes! Once the hubs are installed, they never need to be moved again.

Remove only the cover, replace the insert, re-install the cover, and you are ready to go!



Advantages

- Fast and easy insert replacement
- Low maintenance
- Minimal downtime
- No lubrication
- Urethane inserts available from Standard to Heavy Duty, High Temperature, and Metal Detectable
- Can be installed vertically or horizontally
- The teeth on the hubs do not touch or overlap thus if the insert fails, you do not have metal to metal contact that could potentially destroy the hubs
- Reversing applications
- No realignment required after insert replacement

Hubs (2 required)



Go-Flex®

GF 20 CS 010 H

Coupling Size

10, 20, 30, 40, 50, 60, 70
80, 90, 100, 110 & 120

Material

CS Carbon Steel
SS Stainless Steel

Bore Size*

PB Plain Bore	114 1-7/8"
008 1/2"	115 1-15/16"
010 5/8"	200 2"
012 3/4"	202 2-1/8"
014 7/8"	203 2-3/16"
100 1"	204 2-1/4"
102 1-1/8"	206 2-3/8"
103 1-3/16"	207 2-7/16"
104 1-1/4"	208 2-1/2"
106 1-3/8"	210 2-5/8"
107 1-7/16"	212 2-3/4"
108 1-1/2"	214 2-7/8"
110 1-5/8"	215 2-15/16"
112 1-3/4"	300 3"

*Metric, Shrink Fit, Spline Bores available on request

Description

H Hub

Insert



Go-Flex®

GF 20 SD - INS

Coupling Size

10, 20, 30, 40, 50, 60, 70
80, 90, 100, 110 & 120

Insert Type

SD Standard Duty (Red)
MD Medium Duty (Dark Blue)
XD Extreme Duty (Black)
HT Hi-Temp (White)
FG Food Grade Metal Detectable (Light Blue)

Description

INS Insert

Covers



Go-Flex®

GF 20 SD - CVR

Coupling Size

10, 20, 30, 40, 50, 60 70
80, 90, 100, 110 & 120

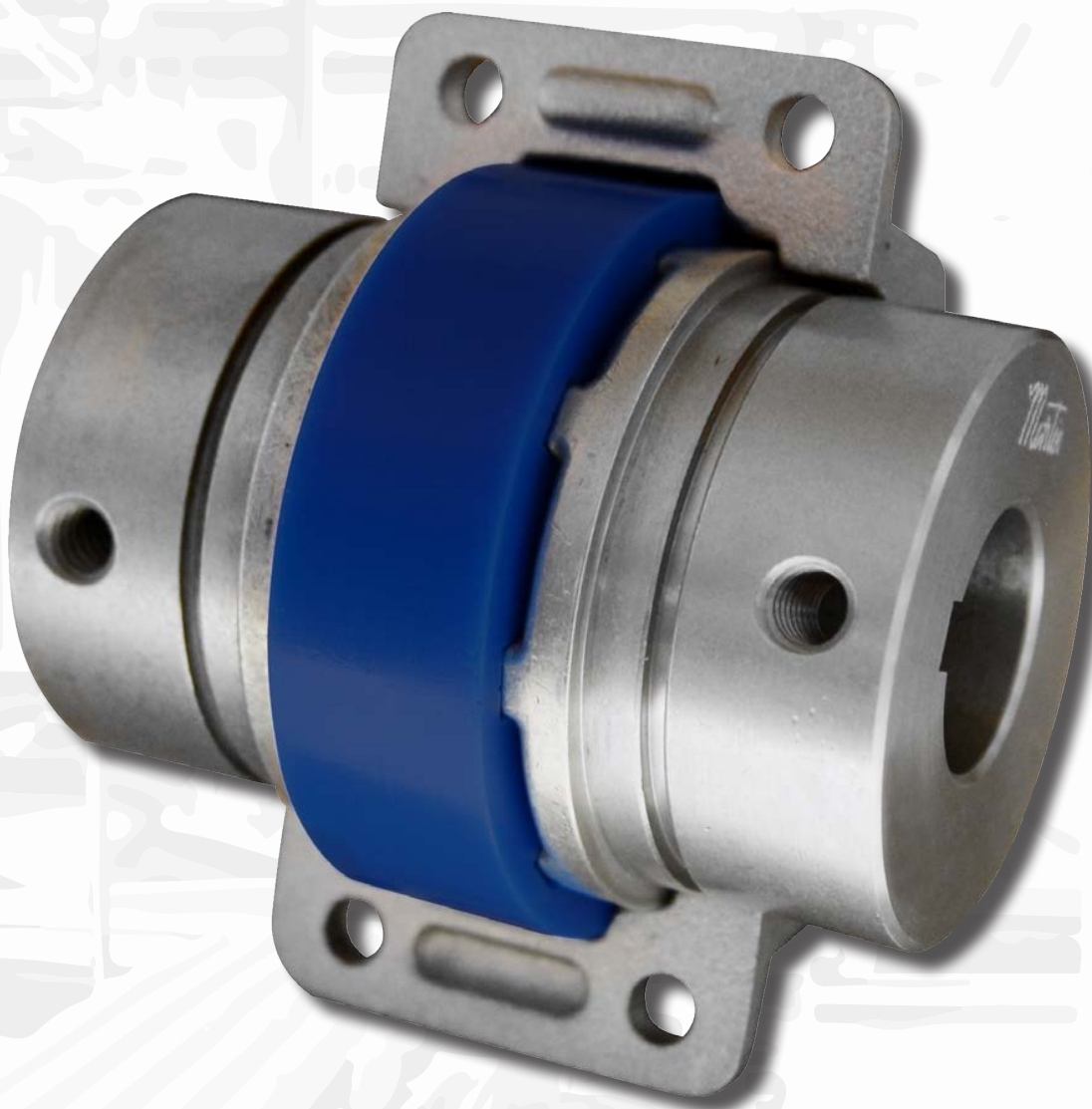
Cover Type

SD Standard Duty (Carbon Steel)
SS Standard Duty (Stainless Steel)
XP Horizontal Split
VS Vertical Split
HS Horizontal/Vertical Split

Description

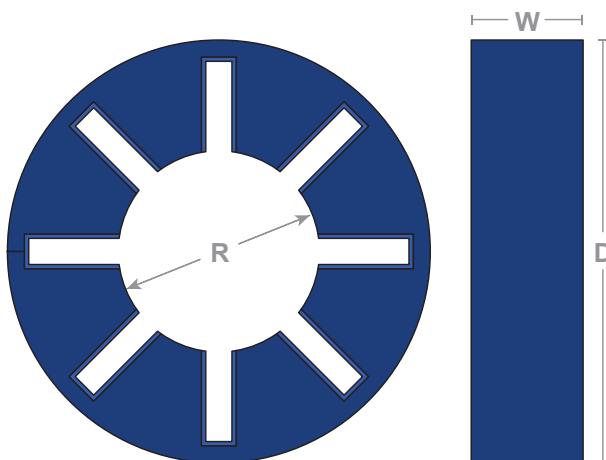
CVR Cover

Martin Go-Flex®
Couplings utilize urethane inserts which are resistant to oils, corrosion, most chemicals, and have excellent wear properties. Inserts are available in five materials for various applications.



Martin Go-Flex®
Insert Dimensions (in)

Coupling Series	R	D	W
GF10	1.23	2.23	0.63
GF20	1.66	2.86	0.85
GF30	2.16	3.80	1.23
GF40	2.41	5.05	1.64
GF50	3.05	6.44	2.02
GF60	3.90	7.37	2.35
GF70	4.13	8.20	2.32
GF80	4.34	9.98	2.63
GF90	6.19	11.30	2.96
GF100	7.60	13.61	3.24
GF110	9.15	15.93	3.67
GF120	11.25	19.04	5.43



SD Standard Duty



- **Operational temperature range of -60°F to 212°F** (-50°C to 100°C)
- **Moderately soft urethane compound**
- **Applications** - vibration dampening, cushioning of shock loads, reversing, or quick starting and stopping of high inertial loads

MD Medium Duty



- **Operational temperature range of -60°F to 212°F** (-50°C to 100°C)
- **Higher durometer urethane** resulting in a more rigid insert designed for higher torque applications than the regular insert
- **Applications** - moderate to high torque

XD Extreme Duty



- **Operational temperature range of -60°F to 212°F** (-50°C to 100°C)
- **Insert provides our highest torque ratings**
- **Applications** - High torque

HT Hi-Temp



- **Operational temperature range up to 300°F** (148°C)
- **Urethane compound made for hi-temp applications**
- **Applications** - moderate to high torque

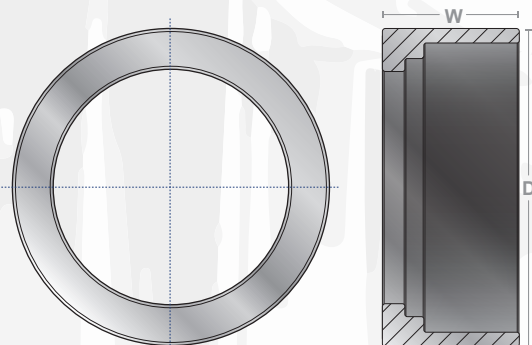
FG Food Grade Metal Detectable



- **Operational temperature range of -60°F to 212°F** (-50°C to 100°C)
- **Metal Detectable Inserts are made with a FDA compliant additive that provides metal detectability**
- **Applications** - Food and chemical Industries where plastic contamination compromises production

Martin Go-Flex® Standard Cover

Designed for applications where low torque and/or high speed is present.

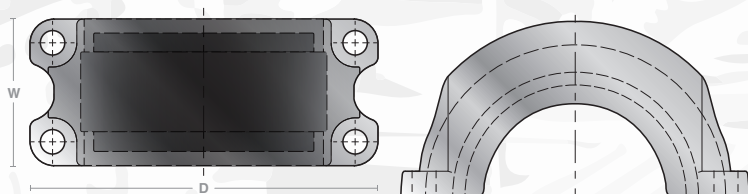


Part Number		Max. RPM Δ	W	D	Bolt Size
Carbon Steel	Stainless Steel				
GF10SD-CVR	GF10SS-CVR	12,000	0.95	2.49	Retaining Ring
GF20SD-CVR	GF20SS-CVR	9,000	1.35	3.16	Retaining Ring
GF30SD-CVR	GF30SS-CVR	7,000	1.95	4.21	Retaining Ring
GF40SD-CVR	GF40SS-CVR	6,000	2.38	5.48	Retaining Ring
GF50SD-CVR	GF50SS-CVR	4,800	2.96	7.00	Retaining Ring
GF60SD-CVR	GF60SS-CVR	4,200	3.27	8.00	Retaining Ring
GF70SD-CVR	GF70SS-CVR	3,800	3.50	8.88	(8) M10-1.5 x 35MM
GF80SD-CVR	GF80SS-CVR	3,400	4.05	10.77	(8) M10-1.5 x 35MM
GF90SD-CVR	GF90SS-CVR	3,000	4.88	12.13	(8) M10-1.5 x 35MM
GF100SD-CVR	GF100SS-CVR	2,400	5.00	14.38	(8) M12-1.75 x 45MM
GF110SD-CVR	GF110SS-CVR	2,000	5.50	16.75	(8) M20-2.5 x 45MM
GF120SD-CVR	GF120SS-CVR	1,800	7.94	20.10	(8) M20-2.5 x 45MM

G10 to GF 60 Cover are held into position with a retaining ring. GF70 covers are held into position with (8) bolts.

Martin Go-Flex® Horizontal Split Cover

Designed for all applications including high and/or low torque and high or low speeds while reducing axial loading.



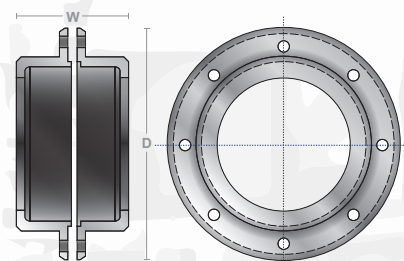
Part Number	Max. RPM Δ *	W	D	Bolt Size
GF20XP-CVR	9,000	1.93	3.99	(4) M6-1.00 x 25MM
GF30XP-CVR	7,000	2.61	5.34	(4) M10-1.5 x 35MM
GF40XP-CVR	6,000	3.02	7.28	(4) M12-1.75 x 45MM
GF50XP-CVR	4,800	5.96	7.76	(4) M12-1.75 x 60MM
GF60XP-CVR	4,200	6.17	8.52	(4) M16-2.0 x 65MM
GF70XP-CVR	3,800	6.54	10.29	(4) M20-2.5 x 60MM
GF80XP-CVR	3,400	7.93	12.05	(4) M20-2.5 x 60MM

* With Extreme-Duty Insert.
Stainless Steel hardware provided with all High Performance Covers.

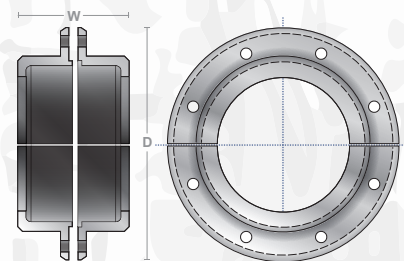
Martin Go-Flex® Vertical Split Cover and Horizontal/Vertical Split Cover

Designed for high-Speed applications.

Part Number		Max. RPM Δ	W	D	Flange Bolt Size	Hub Bolt Size
Vertical Split	Horizontal/Vertical Split					
GF20VS-CVR	GF20HS-CVR	9,000	4.7	1.78	(8) M6-1.00 x 20MM	Retaining Ring
GF30VS-CVR	GF30HS-CVR	7,000	5.62	2.5	(8) M6-1.00 x 20MM	Retaining Ring
GF40VS-CVR	GF40HS-CVR	6,000	7.62	3.46	(8) M10-1.5 x 20MM	Retaining Ring
GF50VS-CVR	GF50HS-CVR	4,800	8.95	4.35	(8) M10-1.5 x 35MM	Retaining Ring
GF60VS-CVR	GF60HS-CVR	4,200	9.85	4.5	(8) M10-1.5 x 35MM	Retaining Ring
GF70VS-CVR	GF70HS-CVR	3,800	10.5	4.68	(8) M10-1.5 x 35MM	(8) M10-1.5 x 35MM
GF80VS-CVR	GF80HS-CVR	3,400	13.5	5.88	(12) M12-1.75 x 45MM	(8) M10-1.5 x 35MM
GF90VS-CVR	GF90HS-CVR	3,000	15.25	6.21	(16) M12-1.75 x 45MM	(8) M10-1.5 x 35MM
GF100VS-CVR	GF100HS-CVR	2,800	17.75	7.32	(16) M12-1.75 x 50MM	(8) M12-1.75 x 45MM
GF110VS-CVR	GF110HS-CVR	2,000	19.59	7.42	(20) M12-1.75 x 45MM	(8) M20-2.5 x 45MM
GF120VS-CVR	GF120HS-CVR	1,200	24.38	10.85	(20) M12-1.75 x 45MM	(8) M20-2.5 x 45MM



Vertical Split Cover



Horizontal/Vertical Split Cover

Δ For applications above listed RPM, consult Martin.

Quick Selection Guide

Martin



Standard-Duty (Red)	Medium-Duty (Dark Blue)	Extreme-Duty (Black)	High Temp (White)	Metal Detectable Food Grade (Light Blue)
Max Temp: 212°F	Max Temp: 212°F	Max Temp: 212°F	Max Temp: 300°F	Max Temp: 212°F
Greatest Dampening	Lower Dampening	Lowest Dampening	Lower Dampening	Greatest Dampening
Lowest Torque	Higher Torque	Highest Torque	Higher Torque	Lowest Torque

Martin Go-Flex® Standard Cover

Max Bore	Coupling Series	Max Torque Rating (in. lb.)				
1 ¼"	GF10	365	792	792	792	365

Martin Go-Flex® Horizontal Split, Vertical Split & Horizontal/Vertical Split Covers

Max Bore	Coupling Series	Max Torque Rating (in. lb.)				
1 ⅝"	GF20	1,254	2,457	3,789	2,457	1,254
2 ¼"	GF30	4,099	7,730	11,914	7,730	4,099
2 ⅜"	GF40	8,630	17,099	25,870	17,099	8,630
3"	GF50	17,315	34,336	52,408	34,336	17,315
3 ⅞"	GF60	30,353	58,137	87,110	58,137	30,353
4 ⅛"	GF70	38,048	75,538	116,432	75,538	38,048
4 ½"	GF80	75,000	145,000	220,000	145,000	75,000
5 ½"	GF90	105,000	204,000	310,000	204,000	105,000
7"	GF100	175,000	345,000	550,000	345,000	175,000
8"	GF110	300,000	565,000	870,000	565,000	300,000
11"	GF120	599,700	1,120,000	1,680,000	1,120,000	599,700

Martin

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