

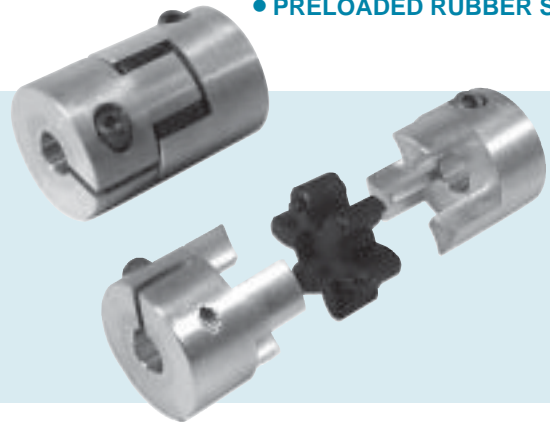
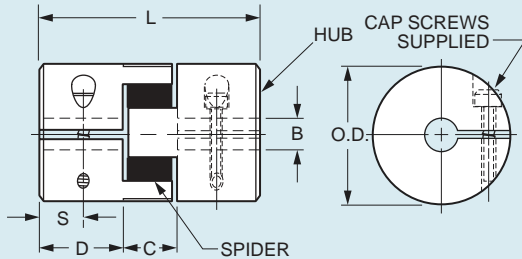


# Couplings – Flexible – Spider Type

www.vibrationmounts.com Phone: 516.328.3662 Fax: 516.328.3365

● **MATERIAL:** Hubs – Aluminum  
Spider – NBR Rubber – 86, 92 or 98 Durometer

● **SPLIT HUB**  
● **PRELOADED RUBBER SPIDER**



**COMPLETE COUPLING  
CATALOG NUMBER DESIGNATION:**  
(Consists of two hubs and a spider)

V 5 Z 2 7 - [ ] [ ] [ ] [ ] [ ]

Coupling Size Code  
Spider Durometer Code

**FEATURES:** Precision machined hub with integral fasteners & prestressed spiders which eliminate backlash. Allows limited axial motion.

**MISALIGNMENT COMPENSATION**  
Max. Angular Offset – 1°

**EXAMPLE:** V 5Z27-201092 is a 25/32 (19.8) O.D. coupling with a .3125 (7.9) bore & a 92 durometer spider.

**NOTE:** Dimensions in ( ) are mm.

Coupling Series (Ref. only)	D	L Overall Length	C Distance Between Flanges	D Length Through Bore	Rated Torque	Max. Axial Motion
V 5Z27-20...	25/32 (19.8)	1-3/16 (30.2)	25/64 (9.9)	7/16 (11.1)	See Spider Data	.030 (0.76)
V 5Z27-30...	1-3/16 (30.2)	1-37/64 (40.1)	15/32 (11.9)	19/32 (15.1)		.040 (1.02)
V 5Z27-40...	1-37/64 (40.1)	2-23/64 (59.9)	19/32 (15.1)	15/16 (23.8)		.050 (1.27)

● **HUB ONLY**

Catalog Number	Coupling Size Code	O.D.	B Bore +.001 (+0.025) -.000 (0)	S	Cap Screw
V 5A27-2008	2008	25/32 (19.8)	.250 (6.35)	.20 (5.1)	#4-40
V 5A27-2010	2010		.3125 (7.94)		
V 5A27-3008	3008	1-3/16 (30.2)	.250 (6.35)	.27 (6.9)	#6-40
V 5A27-3010	3010		.3125 (7.94)		
V 5A27-3012	3012		.375 (9.53)		
V 5A27-4012	4012	1-37/64 (40.1)	.375 (9.53)	.43 (10.9)	#10-32
V 5A27-4016	4016		.500 (12.7)		
V 5A27-4020	4020		.625 (15.88)		

● **SPIDER ONLY**

Catalog Number	O.D.	Durometer Code	Color	Temp. Range		Max. Lateral Offset	Rated Torque lb. in. (N • m)
				Operating	Maximum Nonoperating		
V 5R27-2086	25/32 (19.8)	86	Tan	-58°F to +175°F (-50°C to +79°C)	-76°F to +248°F (-60°C to +120°C)	.007 (0.178)	19 (2.1)
V 5R27-2092		92	Black			.005 (0.127)	26 (2.9)
V 5R27-2098		98	Rust			.003 (0.076)	44 (5)
V 5R27-3086	1-3/16 (30.2)	86	Tan	-40°F to +194°F (-40°C to +90°C)	-58°F to +248°F (-50°C to +120°C)	.008 (0.203)	48 (5.4)
V 5R27-3092		92	Black			.006 (0.152)	66 (7.5)
V 5R27-3098		98	Rust			.004 (0.102)	110 (12.4)
V 5R27-4086	1-37/64 (40.1)	86	Tan	-22°F to +194°F (-30°C to +90°C)	-48°F to +248°F (-44°C to +120°C)	.006 (0.152)	62 (7)
V 5R27-4092		92	Black			.004 (0.102)	88 (9.9)
V 5R27-4098		98	Rust			.002 (0.051)	150 (16.9)

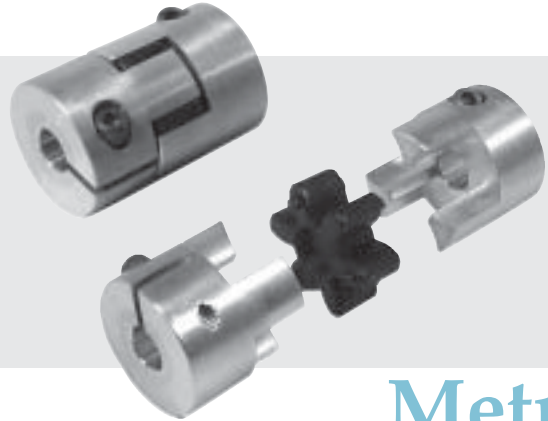
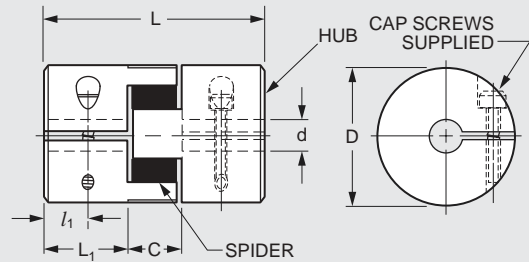


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● **SPLIT TYPE HUB**  
● **PRELOADED RUBBER SPIDER**



## Metric

**COMPLETE COUPLING  
CATALOG NUMBER DESIGNATION:**  
(Consists of two hubs and a spider)

V 5 Z 2 7 M

Coupling Size Code

Durometer Code

**FEATURES:** Precision machined hub with integral fasteners & prestressed spiders which eliminate backlash. Allows limited axial motion.

**MISALIGNMENT COMPENSATION**  
Max. Angular Offset – 1°

**EXAMPLE:** V 5Z27M200692 is a 20mm O.D. coupling with a 6mm bore & a 92 durometer spider.

**NOTE:** Dimensions in ( ) are inch.

Coupling Series (Ref. only)	D	L Overall Length	C Distance Between Flanges	L <sub>1</sub> Length Through Bore	Rated Torque	Max. Axial Motion
V 5Z27M20...	20 (.79)	30 (1.18)	10 (.39)	11 (.43)	See Spider Data	0.8 (.03)
V 5Z27M30...	30 (1.18)	40 (1.57)	12 (.47)	15 (.59)		1 (.04)
V 5Z27M40...	40 (1.57)	60 (2.36)	15 (.59)	24 (.94)		1.2 (.05)

### ● HUB ONLY

Catalog Number	Coupling Size Code	D	d +0.025	L <sub>1</sub>	Cap Screw
V 5A27M2005	2005	20 (.79)	5 (.2)	5 (.2)	M3
V 5A27M2006	2006		6 (.24)		
V 5A27M2008	2008		8 (.31)		
V 5A27M3006	3006	30 (1.18)	6 (.24)	7 (.28)	M3
V 5A27M3008	3008		8 (.31)		
V 5A27M3010	3010		10 (.39)		
V 5A27M4010	4010	40 (1.57)	10 (.39)	11 (.43)	M4
V 5A27M4012	4012		12 (.47)		
V 5A27M4016	4016		16 (.63)		

### ● SPIDER ONLY

Catalog Number	D	Durometer Code	Color	Temp. Range		Max. Lateral Offset	Rated Torque N • m (lb. in.)
				Operating	Maximum Nonoperating		
V 5R27M2086	20 (.79)	86	Tan	-50°C to +80°C (-58°F to +176°F)	-60°C to +120°C (-76°F to +248°F)	0.18 (.007)	2.2 (19.47)
V 5R27M2092		92	Black				
V 5R27M2098		98	Rust				
V 5R27M3086	30 (1.18)	86	Tan	-40°C to +90°C (-40°F to +194°F)	-50°C to +120°C (-58°F to +248°F)	0.21 (.008)	5.5 (48.68)
V 5R27M3092		92	Black				
V 5R27M3098		98	Rust				
V 5R27M4086	40 (1.57)	86	Tan	-30°C to +90°C (-22°F to +194°F)	-40°C to +120°C (-40°F to +248°F)	0.14 (.006)	7 (61.96)
V 5R27M4092		92	Black				
V 5R27M4098		98	Rust				