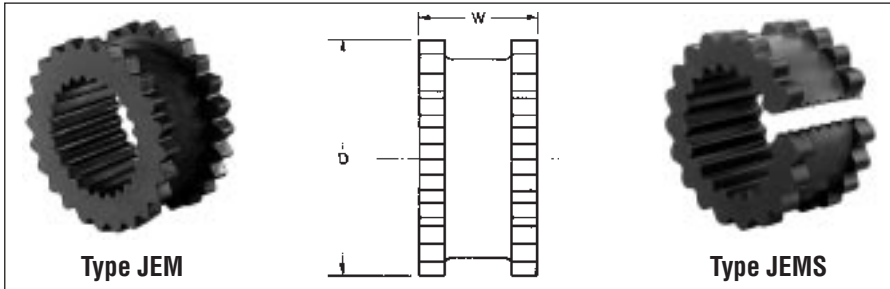


# Sleeves



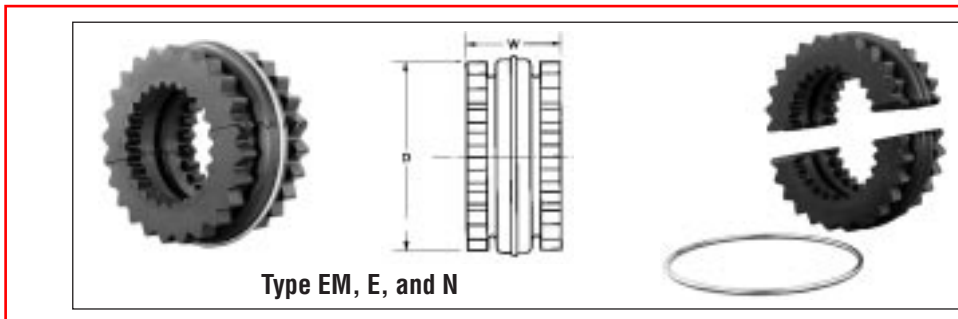
## QUADRA-FLEX® Sleeves

*Martin* flexible sleeve elements are offered in four material compounds (ThermoPlastic Rubber (TPR), EPDM, Neoprene, and Hytrel) available in three construction styles. Our EM sleeve offers the combination of EPDM's extended temperature range as well as the higher oil resistance which Neoprene provides.



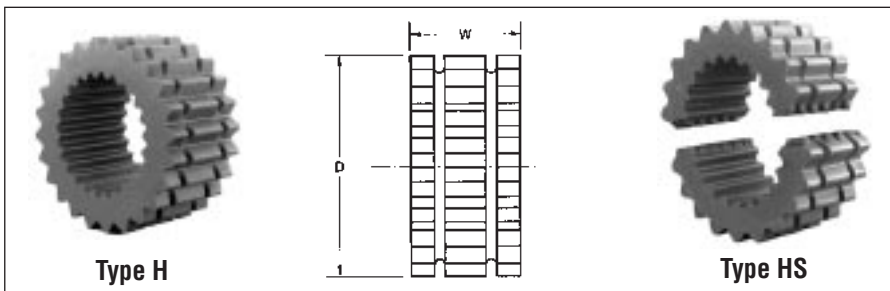
### Types JEM — JEMS

Type J sleeves are molded ThermoPlastic Rubber (TPR). Available in 1 piece solid (JEM), and 1 piece split, construction (JEMS). TPR material will handle higher temperature ranges as well as be oil resistant.



### Types EM — E — N

Type EM, E, and N sleeves are of two piece molded construction with Retaining Ring. They are available in ThermoPlastic Rubber (Type TPR), EPDM (Type E), or Neoprene (Type N). These can be used with any type flanges within a given size range.



### Types H & HS

*Martin* H & HS sleeves are molded Hytrel for higher torque loading than standard EM sleeves. H & HS sleeves cannot be used with style J and B flanges. Hytrel sleeves are not a direct replacement for TPR, EPDM, or Neoprene sleeves.

## Dimensions (Inches)

Coupling Size	JEM — JEMS Sleeves			EM Sleeves			E and N Sleeves EPDM and Hytrel			H & HS Sleeves Hytrel*		
	D	W	Wt. (lb.)	D	W	Wt. (lb.)	D	W	Wt. (lb.)	D	W	Wt. (lb.)
3	1 <sup>1</sup> / <sub>8</sub>	1	.06	—	—	—	—	—	—	—	—	—
4	2 <sup>1</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>4</sub>	.10	2 <sup>5</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>8</sub>	.11	—	—	—	—	—	—
5	2 <sup>3</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>8</sub>	.20	2 <sup>7</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>8</sub>	.25	—	—	—	—	—	—
6	3 <sup>1</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	.40	3 <sup>1</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	.49	—	—	—	3 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	.44
7	4 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>16</sub>	.62	4 <sup>1</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>16</sub>	.77	—	—	—	4 <sup>1</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>16</sub>	.69
8	5 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	1.13	5 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	1.4	—	—	—	5 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	1.4
9	6	3	1.46	6	3	2.0	—	—	—	6	3	1.8
10	7 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>16</sub>	2.32	7 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>16</sub>	3.2	—	—	—	7 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>16</sub>	2.9
11	—	—	—	—	—	—	8 <sup>3</sup> / <sub>16</sub>	4	5.1	8 <sup>3</sup> / <sub>16</sub>	4	4.5
12	—	—	—	—	—	—	9 <sup>9</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>16</sub>	8.1	9 <sup>9</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>16</sub>	7.3
13	—	—	—	—	—	—	11 <sup>1</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>2</sub>	13.0	11 <sup>1</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>2</sub>	11.8
14	—	—	—	—	—	—	13 <sup>3</sup> / <sub>32</sub>	6 <sup>1</sup> / <sub>2</sub>	21.1	13 <sup>3</sup> / <sub>32</sub>	6 <sup>1</sup> / <sub>2</sub>	19.3
16	—	—	—	—	—	—	17 <sup>7</sup> / <sub>32</sub>	8 <sup>1</sup> / <sub>2</sub>	45.3	—	—	—

\* 13 & 14 Hytrel available with HS sleeves only.