

GUIDE FOR COUPLING SELECTION

TECHNICAL DATA

Dimensional Parameters				Environmental Parameters					
COUPLING TYPE		TORQUE RANGE IN.-OZ.	RANGE OF MAXIMUM PARALLEL MISALIGN.	RANGE OF MAXIMUM ANGULAR MISALIGN.	HIGH TORSIONAL STIFFNESS	VIBRATION DAMPENING	VACUUM COMPATIBILITY	ELECTRICAL INSULATION	CLEAN ROOM ENVIRONMENT
INFORMATION TRANSMITTING COUPLINGS	MULTIBEAM: -ST/ST+AL -PLASTIC	64-7200 35-1273	.005-.038 .005-.038	5p-7p 5p-10p	E G	- -	E -	- E	E G
	BEAMED	56-1488	.004-.005	5p	E	-	E	-	E
	WAFER SPRING	165-440	.018-.030	8p	E	-	E	-	E
	BELLOWS	40-175	.012-.027	4p-7p	E	-	E	-	E
	SLEEVE	5-5833	0	0p	E	-	E	-	E
SHOCK ABSORBING COUPLINGS	SPIDER	42-3520	.031-.078	1p	-	G	-	E	G
	NEO-FLEX	150	.005	1p	-	E	-	E	G
	ABSORBATHANE	48-640	.094-.125	10p-15p	-	E	-	E	G
MISALIGNMENT COUPLINGS	UNIVERSAL LATERAL	38-607	.050	5p-10p	G	-	-	E	-
	OLDHAM	16-3200	.030-.200	1/2p-1 1/4p	G	-	-	E	-
	FLEX-THANE	400-3200	.063-1.250	10p-30p	-	E	-	E	G
HIGH MISALIGNMENT COUPLINGS	UNIVERSAL JOINTS: - ST/ST - DELRIN®	480-4240 16-239	0 0	30p 45p	G -	- -	E -	- E	- -
	SINGLE JOINT -DELRIN®	11-183	.220-.610	90p	-	-	-	E	-
	DOUBLE JOINT								
	TELESCOPIC UNIVERSAL JOINT	55-239	1.920-3.770	60p	-	-	-	E	-
	FLEXIBLE SHAFT	*	*	*	E	E	-	-	G

E = Excellent

G = Good

- = Not Recommended

W.M. Berg Inc. manufactures a complete line of precision made, high quality couplings. Available in inch and metric sizes and many styles to accommodate any design requirement. Couplings can be placed into the following four categories;

- 1. Information Transmitting Couplings** - These zero backlash high torsional rigidity couplings, are for precision positioning applications where constant velocity is required for accurate feedback control.
- 2. Shock Absorbing Couplings** - As a result of flexible plastic members connecting their hubs, these couplings dampen vibrations and shock loads and electrically insulate shafting.
- 3. Misalignment Couplings** - The sliding center elements of these couplings compensate for lateral and angular misalignment caused by tolerance buildup or as a result of mounting.
- 4. High Misalignment Couplings** - These couplings allow the designer to have shafts that are intentionally offset, laterally or angularly, by a large amount.

The above chart is a guide for the proper selection of the Berg coupling best suited for your particular application.