



GatesFacts™ Technical Information Library  
Gates Compass™ Power Transmission CD-ROM version 1.2



The Gates Rubber Company  
Denver, Colorado USA

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## “S” Frame Motors

Existing **NEMA** minimum sheave/sprocket diameters published in Gates catalogs are applicable for the “S” frame motors. The “S” frames are typically used for direct coupled applications and hence the shorter, smaller diameter shafts. The bearings and shafts would withstand loads consistent with **NEMA** minimum diameters.

However, since the “S” frames are not routinely intended for belt drive applications, it is further recommended that the user review any use of belt drives on “S” frame motors with the motor vendor. The belt drive designer should remind any potential customers of this need to talk to their vendor.