

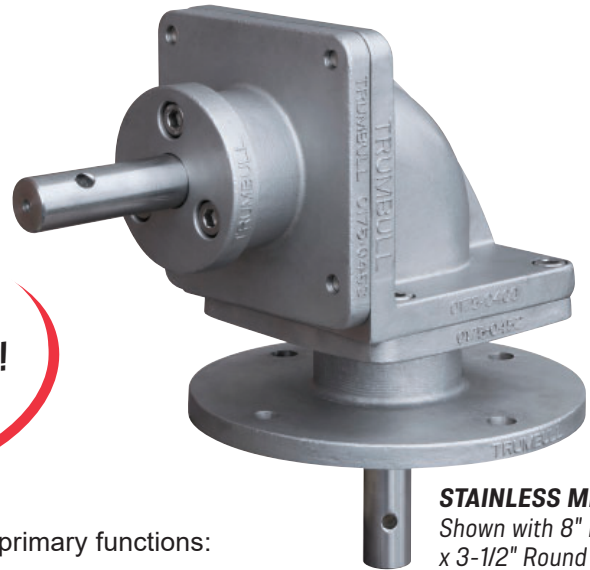
Miter Gears

Heavy-Duty, Enclosed Gear Assemblies
Available in Ductile Iron and Stainless Steel

3 STANDARD END ADAPTERS

- 8" Round End Adapter
- 4-1/4" Square End Adapter
- 3-1/2" Round End Adapter

6 Possible
Combinations!
(Shown below)



STAINLESS MITER GEAR
Shown with 8" Round
x 3-1/2" Round Adapters

Trumbull Miter Gears are designed to fulfill the following primary functions:

- To be used as an add-on component to Trumbull Floorstands or Pedestals.
- To be mounted directly to valves where a 90° change in the input shaft direction is required.
- For use as a stand-alone component in a valve operating assembly with rotating elements, such as extension stems, where the installed conditions require one or more 90° changes of direction.

Housings are cast 316 stainless steel or ductile iron 65-45-12 with a Tnemec N140-1211 two-part epoxy, NSF-61 certified exterior coating. The gears are case hardened steel; the gear shafts and fasteners are 316 stainless steel.

Trumbull Miter Gear Assemblies are provided standard with a recessed grease fitting for easy maintenance and Buna-N O-ring seals on each end adapter.

GEAR RATIO = 1:1, INPUT/OUTPUT SHAFT DIAMETER = 0.984".

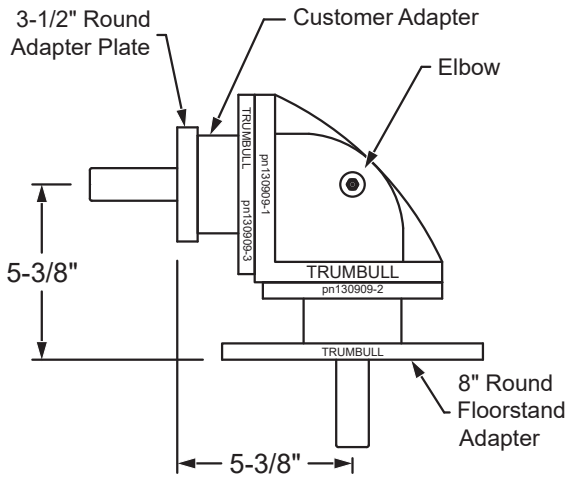
See reverse side for drawings of model end options.



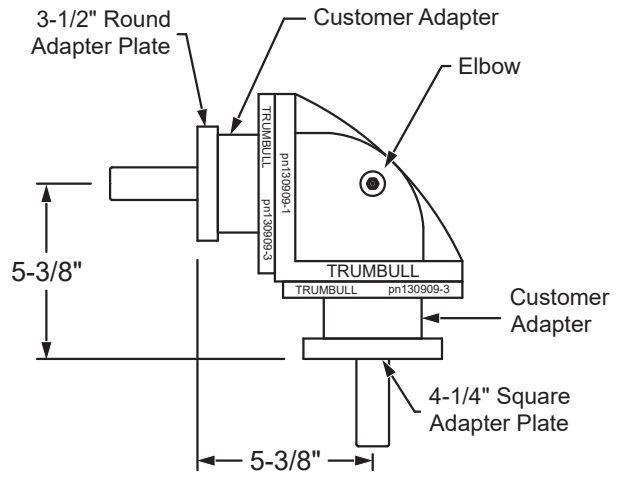
Trumbull Miter Gears have a recommended maximum working torque of 200 ft-lb (270 N-m). For applications with higher torque requirements, please consult Trumbull.

End Configurations	Model No	Weight	Typical Usage for Each End Adapter
8" Round x 3-1/2" Round	MG1A	39.00 lbs.	8" Round - mates to our Floorstands 3-1/2" Round - for use with handwheel or nut operators
8" Round x 4-1/4" Square	MG1B	42.00 lbs.	8" Round - mates to our Floorstands 4-1/4" Square - adapts for guide, bracket & motor mountings
8" Round x 8" Round	MG1C	46.00 lbs.	Both 8" Round ends mate to our Floorstands & other fabrications such as torque tubes
4-1/4" Square x 3-1/2" Round	MG2A	37.00 lbs.	4-1/4" Square - adapts for guide, bracket & motor mountings 3-1/2" Round - for use with handwheel or nut operators
4-1/4" Square x 4-1/4" Square	MG2B	35.00 lbs.	Both 4-1/4" Square ends easily adapt for guide, bracket & motor mountings
3-1/2" Round x 3-1/2" Round	MG3A	32.00 lbs.	Both 3-1/2" Round ends for use with either extension stem assemblies, handwheel, or nut operators

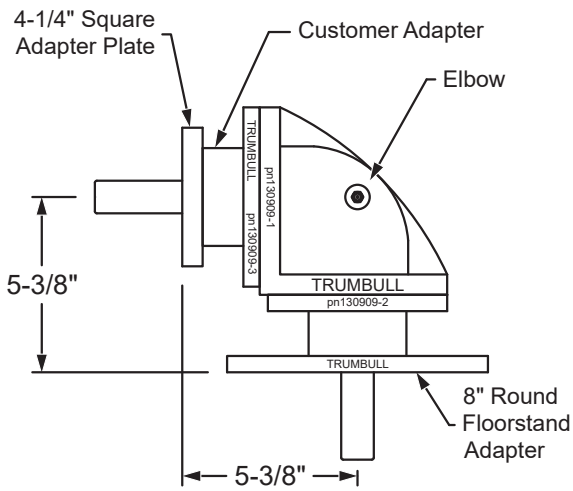
MG1A – 8" Round x 3-1/2" Round



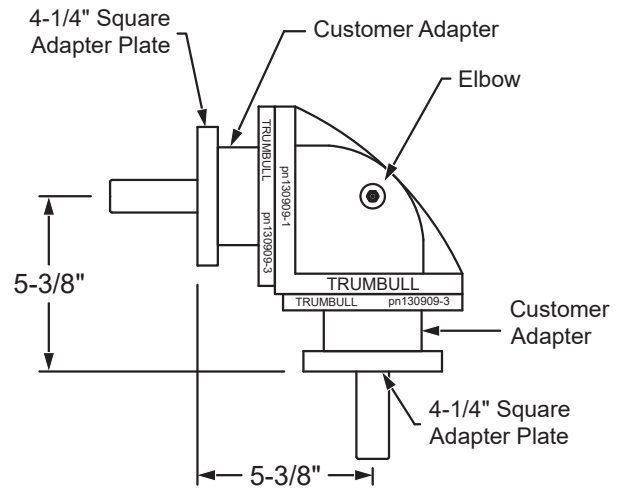
MG2A – 4-1/4" Square x 3-1/2" Round



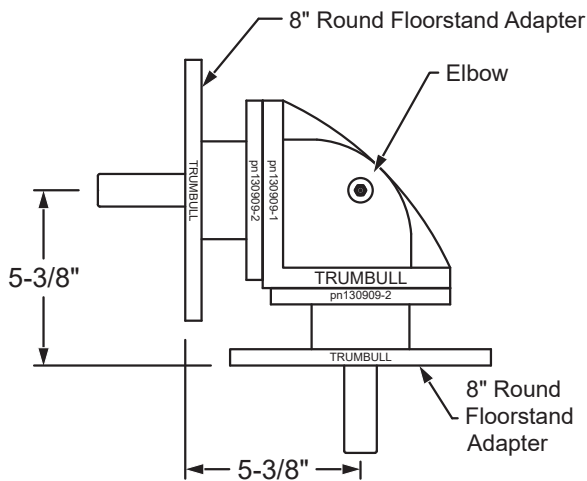
MG1B – 8" Round x 4-1/4" Square



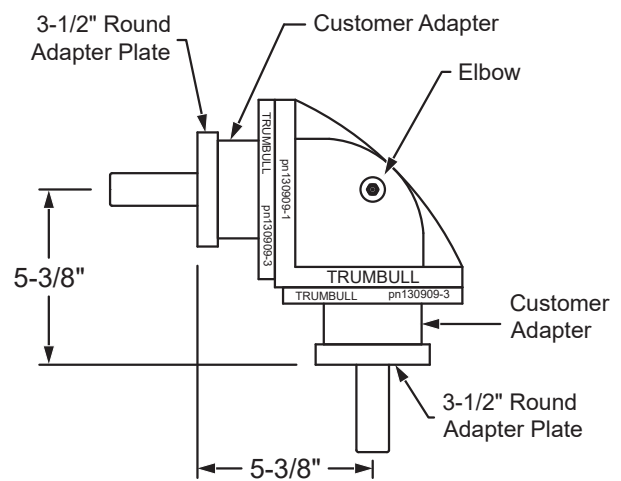
MG2B – 4-1/4" Square x 4-1/4" Square



MG1C – 8" Round x 8" Round



MG3A – 3-1/2" Round x 3-1/2" Round



MITER GEAR COMBINATIONS
Drawn to Scale

Drawn:
FCN
10/27/14

Revision:
FCN
© 09/18/19

Trumbull Manufacturing
Youngstown, Ohio
www.trumbull-mfg.com