RIGHT ANGLE BEVEL GEARBOX

1:1 Ratio | 20 Teeth | 90° T-Shaped Transmission | 8 mm Shafts



Product View — T-Shaped Gear Drive

Compact right-angle gearbox designed to transfer rotary motion through a 90° bevel gear arrangement. The T-shaped configuration allows one input to drive two output shafts in opposite directions.

PRODUCT CONSTRUCTION



Metal Housing and Output Shaft Configuration

Aluminum alloy gearbox housing with stainless steel shafts. Threaded mounting holes support integration into mechanical assemblies.

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INPUT AND SHAFT DETAILS

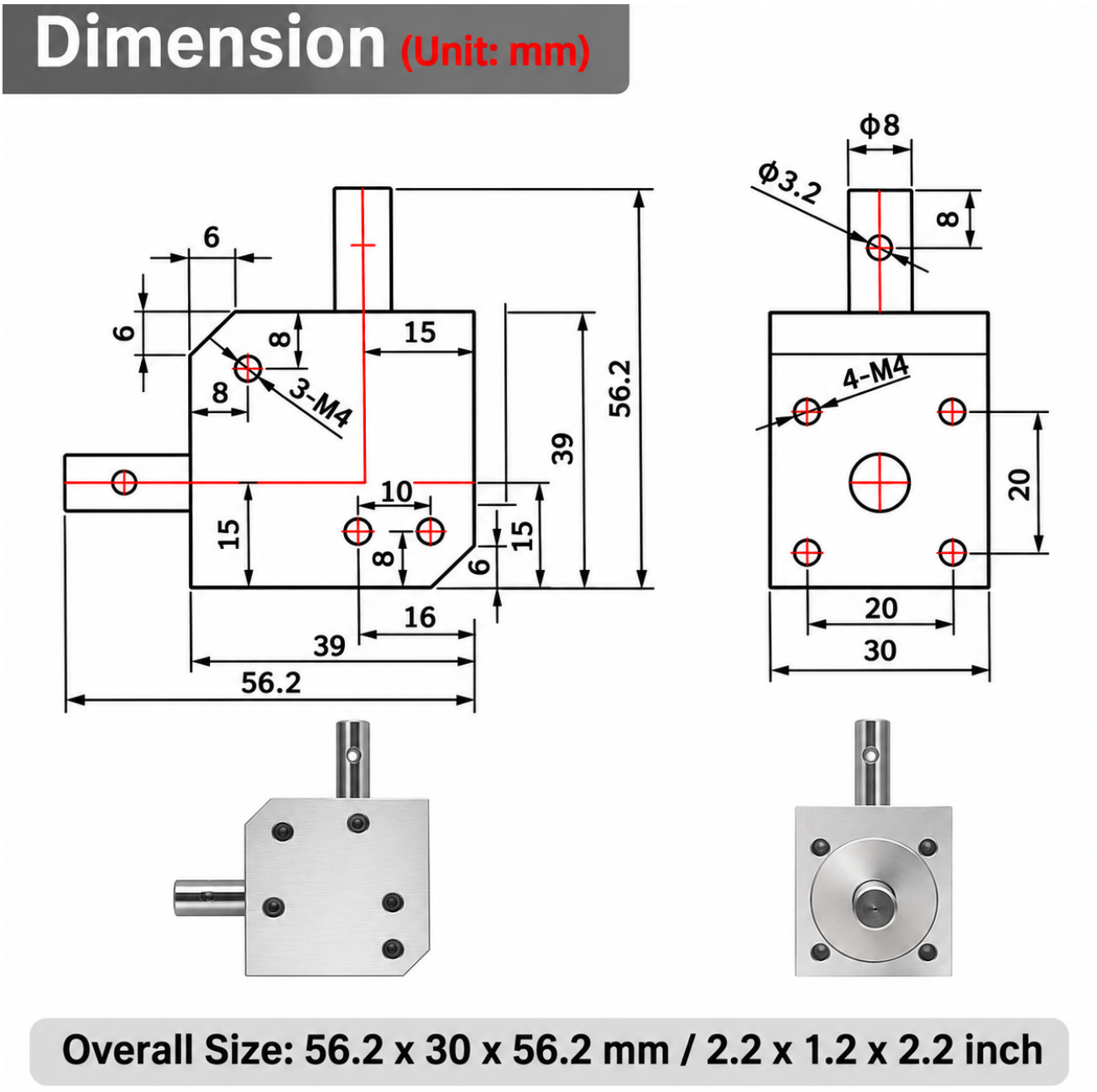


Shaft and Input Interface Detail

The gearbox can be connected to a compatible motor using an appropriately sized coupling or belt pulley. Align the input and driven components during assembly.

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DIMENSIONS



Dimension Drawing — Units: mm

Key dimensions: 39 × 30 × 39 mm housing; 8 mm output shaft diameter; 6 mm input bore; M4 mounting holes; 20 × 20 mm front hole spacing; 3.2 mm shaft cross-hole.

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PRODUCT SPECIFICATIONS

Product Type	T-Shaped Right Angle Bevel Gearbox
Gear Ratio	1:1
Gear Module	1
Gear Teeth	20
Transmission Angle	90°
Housing Material	Aluminum Alloy
Shaft Material	Stainless Steel
Output Shaft Diameter	8 mm
Input Bore Diameter	6 mm
Max. Rated Torque	5 N·m
Max. Rated Speed	1500 RPM
Backlash	5°
Housing Size	39 × 30 × 39 mm
Overall Size	82 × 30 × 56.2 mm
Mounting Holes	M4
Front Hole Spacing	20 × 20 mm
Shaft Cross-Hole Diameter	3.2 mm
Output Shaft Options	1 Short / 1 Long / 2 Short

FEATURES

• 1:1 right-angle transmission using module 1, 20-tooth bevel gears.

• T-shaped drive configuration with two counter-rotating output shafts.

• Choice of short and long output shaft arrangements.

• Metal construction for compact mechanical assemblies.

• M4 threaded mounting holes for convenient installation.

INSTALLATION AND OPERATION

1. Select the shaft arrangement required for the assembly.
2. Secure the housing to a rigid mounting surface using compatible M4 fasteners.
3. Connect the input to a suitable drive using a correctly sized coupling or pulley.
4. Check shaft alignment and ensure attached mechanisms rotate freely.
5. Operate within the rated torque and speed specifications.

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