

MECHANICAL RIGHT-ANGLE BEVEL GEARBOXES

Description

- Change the direction of power transmission
- Two or more purposes are accomplished simultaneously
- Transmit torque at an angle (commonly 90°)
- Reduce speed and increase torque/speed
- These functions are combined in a single application often
- Cast iron and aluminum housings

Customizability

Von Ruden manufactures specials to meet unique application needs.

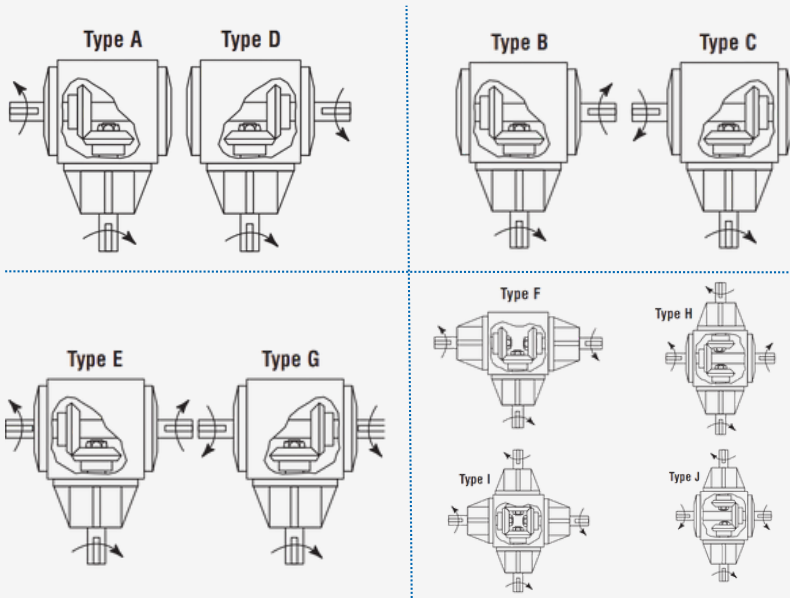
Options:

- Custom shaft lengths and features
- Spiral or straight gears
- Modified housing configurations

Capabilities

- Reversible rotation configurations
- Tapered roller bearings standard
- Hydraulic motor input flange available
- Flexible shaft and mounting configurations
- Press-fit gears & bearings for max rigidity
- Metal shims only – no paper or plastic
- Speed-reducing and speed-increasing options
- Machined Cast Iron and Aluminum end caps
- Gears made from carburized 8620 steel
- Double-lip, spring-loaded shaft seals
- One lip seals in oil, One lip keeps dirt out
- Models available up to 200 HP

CONFIGURATIONS



STANDARD BEVEL GEARBOX OVERVIEW

Model	Pinion Shaft Dia. (Inches)	Max Input Speed (RPM)	Max Input Horsepower	Gear Reduction Ratios	Speed Up Ratios	Gear Types
15	.625	3000	18	1:1 1.5:1 2:1	1:1.5 1:2	Straight Spiral
25	.75	3000	36	1:1 1.5:1 2:1	1:1.5 1:2	Straight Spiral
27	1.0	3000	32	1:1 1.5:1 2:1 3:1	1:1.5 1:2 1:3	Straight Spiral
33	1.0	3000	69	1:1 1.5:1 2:1	1:1.5 1:2	Straight Spiral
40	1.0	3000	69	1:1 1.5:1 2:1	1:1.5 1:2	Straight Spiral
90	1.25	2800	87	1:1 1.5:1 2:1	1:1.5 1:2	Straight Spiral
93	1.375	2500	149	1:1 1.5:1 2:1	1:1.5 1:2 1:3	Straight Spiral
110	1.5	1750	175	1:1 1.5:1 2:1		Straight Spiral
113	1.75 (2.0 opt.)	1750	202	1:1 1.5:1 2:1 3:1	1:1.5 1:2 1:3	Straight Spiral

MODELS



All Von Ruden products are 100% manufactured and repaired in Buffalo, Minnesota