

600 – 7,000 LBS. CAPACITY

Generally this capacity range is referred to as “light duty”. Many brakes, hubs and hub-drums from this capacity range see overlap with existing Dexter designs and are viewed as interchangeable with existing Genuine Dexter Parts. It is important to use the recommended components during a repair. Incorrect or mismatching of components can result in performance related issues. Please refer to the product cross-reference for detailed match-ups.

8,000 – 16,000 LBS. CAPACITY

Capacity group is identified as “Heavy Duty” by AL-KO. This capacity range was produced in the Shawnee Oklahoma facility. The designs are unique and are not interchangeable with other products in the market, including Dexter. AL-KO Genuine Parts by Dexter are a requirement. Any other components may result in failure.

#42 Spindle 8K CAPACITY – 12" x 2" Electric, 12" x 3 3/8" Electric Hydraulic

History: The AL-KO 12" x 3 3/8" 8K brake product was a carryover from the Hayes Axle product line. The brake design shares many components with larger capacities, with the exception of brake shoes. Installing brake shoes intended for the 10K -12K brake can cause brake failure.

Incorporating a unique drum casting and bearing combination, the AL-KO 12" x 2" electric brake was developed in the early 2000's.

- #42 Spindle – Inner Bearing Journal = 1 3/4"; Outer Bearing Journal = 1 1/4"
- Brake Size: 12" x 3 3/8" or 12" x 2"(electric only)
- Brake Options: Electric Drum or Hydraulic Drum
- Bolt Pattern: 8 on 6.50" – hub is piloted at 4.75"
- Lubrication Options: Standard Grease, Lubed Spindle, or Oil
- Stud Options: 9/16" or 5/8"

The AL-KO #99 10K General Duty (10KGD) hub & drum was also used by predecessor companies Hayes, and Kelsey-Hayes. This particular hub & drum has been used in the industry for many years. In some instances, this hub & drum may be used to replace older DDR & QRG hubs & drums that used AL-KO or Warner brakes. AL-KO ceased making axles with this hub in 2011, upgrading general duty axles with a one piece hub-drum on 10K on #120 spindle. Hubs fitting the #99 spindle will not interchange with the #120 spindle.

The 2-piece hub and drum design of the #120 and #160 spindle products allow for several hybrid combinations of spindle and hub to brake and drum. Several combinations focus on utilizing larger brake sizes on lower capacity products.

#99 Spindle 10K CAPACITY – GENERAL DUTY - 12 1/2 x 3 1/2" Electric, Hydraulic

- #99 Spindle – Inner Bearing Journal = 2"; Outer Bearing Journal = 1 3/4"
- Available in both a 4.75 pilot and a 4.88 pilot.
- Bolt Pattern: 8 on 6.50"
- Older, non-AL-KO hubs may use a different seal. Use discretion and check seal dimensions. Not doing so may result in failure.
- Use only Genuine AL-KO Replacement Parts.
- Other seal brands may cause lubricants to leak.
- Hubs & drums may only be used on axles configured with AL-KO or Warner brakes.
- Common AL-KO casting number 7290. This is on both 4.75" and 4.88" pilots.
- Distance between the races = 3 1/8"
- Features a removable armature plate.
- Replacement axle beams are available. Note: axle beams come with spindle nuts & washers only, hubs, brakes and other parts sold separately.

#120 Spindle – 10K Advanced Design, 12 1/4" x 3 1/2" Electric or Hydraulic

- #120 Spindle – Inner Bearing Journal = 2 1/2"; Outer Bearing Journal = 1 3/4"
- Single Piece, Unicast Design – Will not interchange with #120 spindle axles using unicast hub & drums. Will not interchange with older #99 Spindle 10K axles.
- Brake Size: 12 1/4" x 3 1/2" Electric or Hydraulic Drum
- Brake Options: Electric Drum or Hydraulic Drum
- Lubrication Options: Grease or SAE 80/90W Oil
- Bolt Pattern: 8 on 6.50"
- Stud Options: 5/8"
- Nut Options: Cone Nut (must be used with wheel ring), Fixed Flange, or Swiveling Flange
- Pilot Options: 4.75" and 4.88"

#120 Spindle – 10K Heavy Duty and 12K, 12 1/4" x 3 1/2" Electric or Hydraulic, Hydraulic Disc

- #120 Spindle – Inner Bearing Journal = 2 1/2"; Outer Bearing Journal = 1 3/4"
- Two Piece Hub & Drum Design – Will not interchange with #120 spindle axles using one piece unicast hub & drum
- Brake Size: 12 1/4" x 3 1/2" Electric or Hydraulic Drum
- 12" Brake Rotor, floating caliper
- Brake Options: Electric Drum, Hydraulic Drum, or Air
- Lubrication Options: Standard Grease or SAE 80/90W Oil
- Bolt Pattern: 8 on 6.50"
- Stud Options: 5/8"
- Nut Options: 5/8" Cone Nut (must be used with wheel ring), 5/8" or 3/4" Fixed Flange, or 5/8" or 3/4" Swiveling Flange
- Pilot options: 4.75" and 4.88"

#160 Spindle – 12 1/4" x 5" Electric, Hydraulic or 12 1/4" x 5 1/2" Air

- #160 Spindle – Inner Bearing Journal = 2 5/8" Outer Bearing Journal = 2"
- Two Piece Hub & Drum Design
- Brake Size: 12 1/4" x 5" Electric or Hydraulic, 12 1/4" x 5 1/2" Air
- Brake Options: Electric Drum, Hydraulic Drum, or Air
- Lubrication Options: Grease or SAE 80/90W Oil
- Bolt Patterns: 6 on 8.75", 10 on 8.75"
- Stud Options: 3/4" Directional
- Nut Options: Swiveling Flange or Two Piece
- Hub Pilot is 6.50"