# Browning Synchro-Angle Adjusting Hubs

**For quick, accurate Phase Adjustment of Chain Drives, Gear Drives, Cams, etc.**

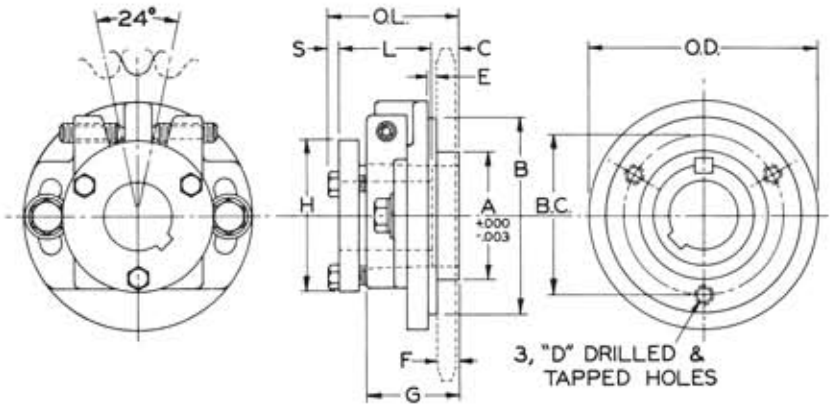



**Table No. 1** **Specifications**

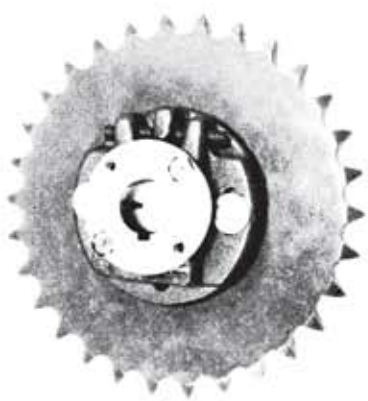
| Hub No. | Dimensions | | | | | | | | | | | | Wt. Lbs. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | O.D. | O.L. | A | B | B.C. | C | D | E | F | G | L | S | |
| AAH-G | 2⅞ | 2⅛ | 1.250 | 2 7/16 | 2⅛ | ⅞ | ¼-20 NC | 5/16 | 5/16 | 1½ | 1 | 5/16 | 1.3 |
| AAH-H | 3¾ | 2 11/32 | 2.125 | 3 5/16 | 2⅞ | 27/32 | ⅜-16 NC | 5/16 | ½ | 1 23/32 | 1¼ | 5/16 | 2.1 |
| AAH-Q | 6¼ | 3 9/32 | 3.500 | 5 5/8 | 4⅜ | ½ | ½-13 NC | ¼ | 7/16 | 2¼ | 2½ | 9/32 | 9.9 |

| Hub No. | Bushing No. | Bore Range | Minimum Number of Teeth on Roller Chain Sprockets and Gears | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Chain Size — Type A Sprockets | | | | | | Pitch — Change Gears | | | | |
| | | | 35 | 41 | 40 | 50 | 60 | 80 | 20 | 16 | 12 | 10 | 8 |
| #AAH-G | G | ⅜ — 1 | 24 | 18 | 19 | 16 | — | — | 52 | 42 | — | — | — |
| AAH-H | H | ⅜ — 1½ | 32 | 24 | 24 | 20 | 19 | — | 70 | 56 | 43 | — | — |
| AAH-Q | Q1 | ¾ — 2 11/16 | — | — | — | 32 | 27 | 23 | — | — | 71 | 59 | 48 |

When a particular phase relationship is required between two parts of a machine, the Angle Adjusting Hub provides quick, accurate and positive phase adjustment. Without the Angle Adjusting Hub, phase relationship of parts requires extremely accurate machining of components as one tooth of a sprocket or gear is usually too coarse an adjustment.

The desired component is simply bolted to the Angle Adjusting Hub and by use of the two adjusting screws, infinite adjustment can be made throughout the 24° range of the Hub. Once adjusted the Hub cannot slip out of adjustment because, when both are tightened, the adjusting screws act against each other like jam nuts.

Angle Adjusting Hubs are machined for Split Taper Bushings so that the complete bore range of the bushings shown is available in 1/16" increments from STOCK.



1. **Eliminate extended deliveries on "Keywayed on Centerline" items.**
2. **Compensate for Chain and Tooth wear in alignment applications.**
3. **Ideal for timing or synchronizing applications.**
4. **Bore Range of 3/8" — 2 11/16", .978 through 1 3/8 Spline and 14 mm through 60 mm bore available OFF THE SHELF.**
5. **Adjust quickly and easily.**