

'BA' Series Axle Assemblies



The 'BA' series axle assemblies are for mounting single wheels fitted with ball or roller bearings, the lock nut, lock washer, or self locking nuts and sleeve providing adjustment for opposed taper roller bearings.

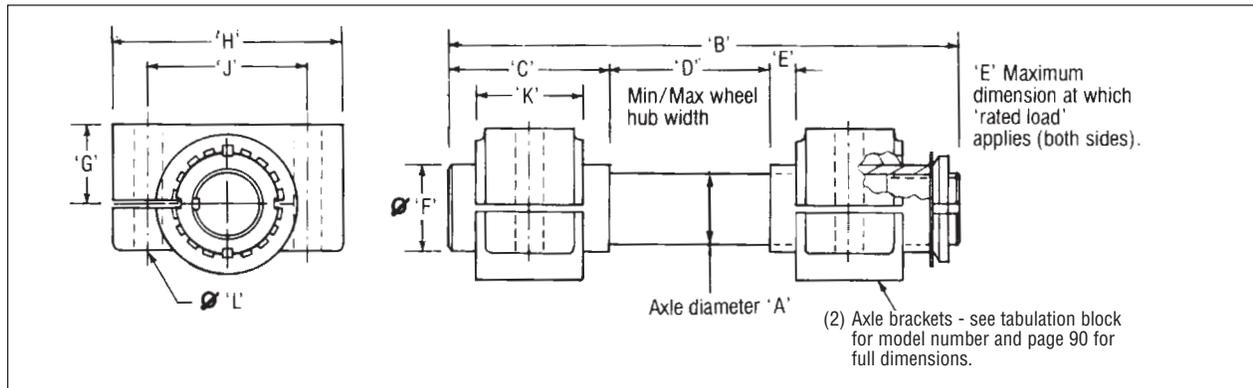
Axle diameter 'A' and dimension 'D' should be selected to match the bearing bore and hub width of the wheels to be fitted.

The slotted axle brackets, in conjunction with the extended major axle diameter and sleeve (dimension 'C') allow a wide tolerance in the positioning of the brackets, and also allows the wheel to be positioned laterally between the brackets – see "Axle Brackets" on page 89.

The assembly is supplied complete with axle brackets, bearing retaining/adjustment nut and locking washer.

AXLE MATERIAL:

Steel to BS970: Part 1: 1983: 606M36 or 605M36.



| A Axle Ø | PART NUMBER | Max load rating kg* | B | C | D | | E | Ø F | G | H | J | K | Ø L | AXLE BRACKET | Weight kg |
|-------------|-------------|---------------------|-----|-----|-----|-----|----|-----|----|-----|-----|----|-----|--------------|-----------|
| | | | | | min | max | | | | | | | | | |
| 30 | BA30 | 3300 | 225 | 65 | 51 | 80 | 25 | 35 | 35 | 105 | 70 | 40 | 12 | B1/35 | 4.0 |
| 35 | BA35 | 7000 | 225 | 65 | 51 | 80 | 25 | 40 | 35 | 105 | 70 | 40 | 12 | B1/40 | 4.7 |
| 40 | BA40 | 9000 | 265 | 80 | 70 | 90 | 30 | 50 | 45 | 130 | 90 | 50 | 16 | B2/50 | 8.9 |
| 50 | BA50 | 14000 | 340 | 105 | 80 | 110 | 40 | 60 | 60 | 170 | 120 | 65 | 20 | B3/60 | 19.0 |
| 60 | BA60 | 24000 | 340 | 105 | 80 | 110 | 40 | 70 | 60 | 170 | 120 | 65 | 20 | B3/70 | 21.3 |
| 75 | BA75 | 40000 | 390 | 120 | 80 | 125 | 40 | 85 | 75 | 210 | 150 | 80 | 24 | B4/85 | 38.1 |

* The 'Maximum Load Rating' applies:
 i) to gradually applied loads. For shock loads multiply by a 'shock loading factor' of 0.65.
 ii) to radial loads only. Where axial loads are to be applied in conjunction with radial loads, refer to HMC-Brauer for allowable loads.
 iii) with axle brackets positioned within 'dimension E'.

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