

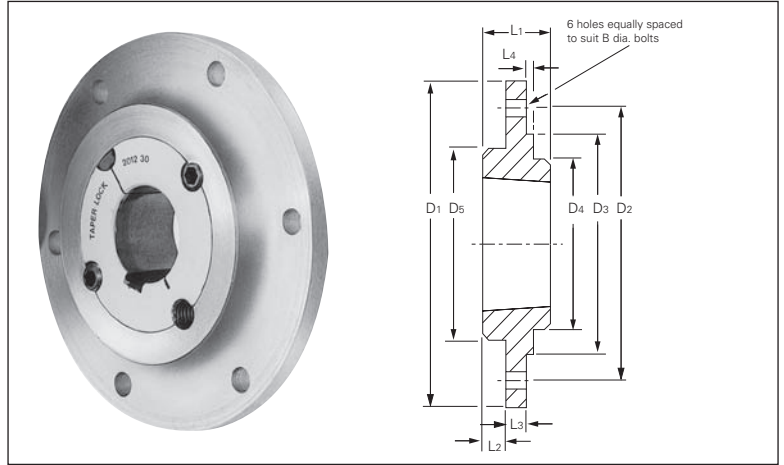
BOLT-ON-HUBS

Fenner Taper Lock Bolt-on Hubs are designed for use with the universally accepted Taper Lock bush.

They provide a convenient means of securing fan rotors, impellers, agitators and other devices which must be fastened firmly to shafts.

| Product Code | Size | Use Bush Size | D ₁ | D ₂ | D ₃ * | D ₄ | D ₅ |
|--------------|-------------|---------------|----------------|----------------|------------------|----------------|----------------|
| 017C0010 | BF12 | 1210 | 120 | 100 | 80 | 74 | 80 |
| 017G0010 | BF16 | 1610 | 130 | 110 | 90 | 84 | 90 |
| 017K0010 | BF20 | 2012 | 145 | 125 | 100 | 99 | 100 |
| 017M0010 | BF25 | 2517 | 185 | 155 | 130 | 120 | 119 |
| 017P0010 | BF30 | 3020 | 220 | 190 | 165 | 146 | 147 |

*Bore tolerance of D₃ +0mm/-0.05mm is recommended



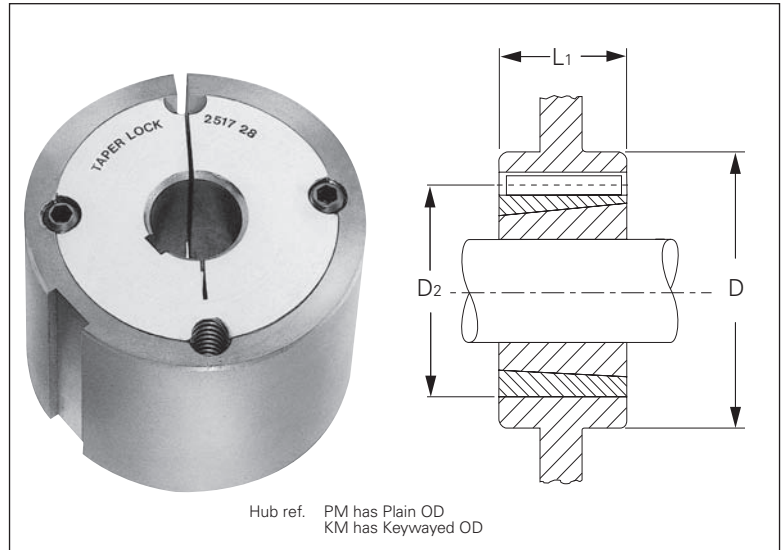
| Product Code | Size | Use Bush Size | L ₁ | L ₂ | L ₃ | L ₄ | B |
|--------------|-------------|---------------|----------------|----------------|----------------|----------------|-----|
| 017C0010 | BF12 | 1210 | 25 | 10 | 6.5 | 2.5 | M6 |
| 017G0010 | BF16 | 1610 | 25 | 10 | 6.5 | 2.5 | M6 |
| 017K0010 | BF20 | 2012 | 32 | 13 | 8.5 | 2.5 | M8 |
| 017M0010 | BF25 | 2517 | 44 | 20 | 11.5 | 2.5 | M10 |
| 017P0010 | BF30 | 3020 | 50 | 20 | 11.5 | 2.5 | M16 |

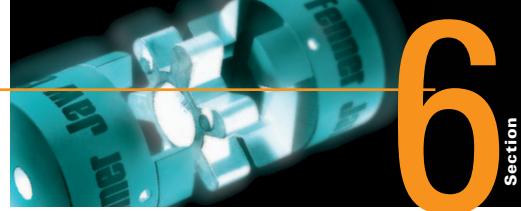
ADAPTORS

Adaptors for Fenner Taper Lock bushes are available for use in parallel bored components, either keyed (KM) or plain (PM) thereby eliminating the need to drill, tap and taper-bore.

| Product Code | Hub ref. | L ₁ | D ₂ | Key Section | Hub dia. D | | |
|--------------|---------------|----------------|----------------|-------------|---------------------------|-----------------------|-----|
| | | | | | Cast Iron BS1452 GG-20-25 | Steel BS970Pt1 070M20 | |
| 030A0200 | 1008PM | 22 | 45 | - | 71 | 62 | 56 |
| 030A0210 | 1008KM | | | 5 x 5 | 75 | 67 | 60 |
| 030C0200 | 1210PM | 25 | 60 | - | 97 | 85 | 76 |
| 030C0210 | 1210KM | | | 6 x 6 | 103 | 93 | 85 |
| 030G0200 | 1610PM | 25 | 70 | - | 106 | 95 | 86 |
| 030G0210 | 1610KM | | | 10 x 8 | 113 | 102 | 92 |
| 030M0200 | 2517PM | 45 | 105 | - | 145 | 133 | 121 |
| 030M0210 | 2517KM | | | 16 x 10 | 151 | 140 | 127 |
| 030Q0200 | 3030PM | 76 | 130 | - | 181 | 165 | 156 |
| 030Q0210 | 3030KM | | | 20 x 12 | 191 | 175 | 159 |
| 030R0200 | 3535PM | 89 | 160 | - | 225 | 203 | 191 |
| 030R0210 | 3535KM | | | 22 x 12 | 235 | 213 | 200 |
| 030S0200 | 4040PM | 102 | 185 | - | 275 | 248 | 229 |
| 030S0210 | 4040KM | | | 24 x 12 | 285 | 257 | 238 |

*Bore tolerance of D₃ +0.025/+0.075mm recommended
All dimensions in millimetres.





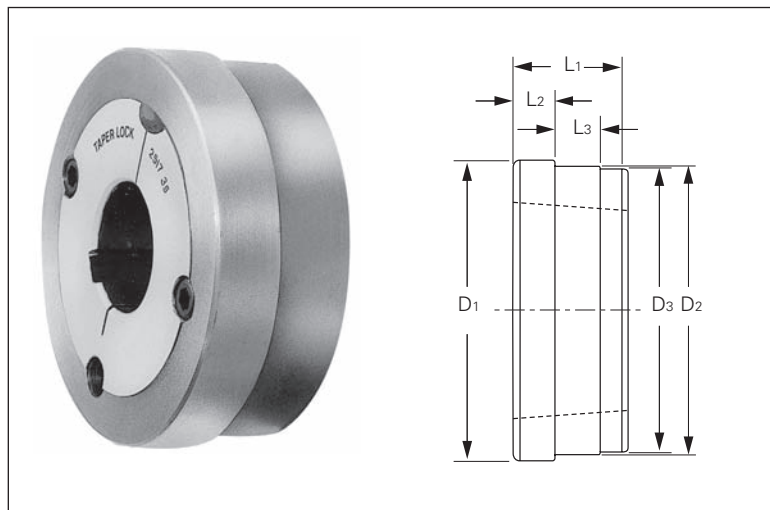
WELD-ON-HUBS

Fenner Taper Lock Weld-on Hubs are made of steel, grade 070M20, drilled, tapped and taper bored to receive standard Taper Lock bushes.

The shouldered outer diameter provides a convenient means of welding hubs into fan rotors, steel pulleys, plate sprockets, impellers, agitators and many other devices which must be firmly fastened to the shaft.

| Product Code | Size | Use Bush Size | D ₁ | D ₂ * | D ₃ | L ₁ | L ₂ | L ₃ |
|--------------|------|---------------|----------------|------------------|----------------|----------------|----------------|----------------|
| 025C0010 | WH12 | 1210 | 70 | 65 | 64.5 | 25 | 9 | 10 |
| 025G0010 | WH16 | 1610 | 80 | 75 | 74.5 | 25 | 9 | 10 |
| 025K0010 | WH20 | 2012 | 95 | 90 | 89.5 | 32 | 12 | 12 |
| 025M0010 | WH25 | 2517 | 115 | 110 | 109.5 | 44 | 19 | 15 |
| 025P0010 | WH30 | 3020 | 145 | 140 | 139.5 | 50 | 20 | 15 |
| 025J0010 | WH35 | 3525 | 190 | 180 | 179.5 | 65 | 25 | 25 |
| 025X0010 | WH40 | 4030 | 200 | 190 | 189.5 | 76 | 32 | 30 |
| 025Y0010 | WH45 | 4535 | 210 | 200 | 199.5 | 89 | 40 | 30 |
| 025Z0010 | WH50 | 5040 | 230 | 220 | 219.5 | 102 | 40 | 35 |

*Bore tolerance of D₂ +0mm/-0.05mm is recommended



WELDING INSTRUCTIONS

Fenner Taper Lock Weld-on Hubs are made of steel, are machined to accept Taper Lock bushes for shaft fixing, and have a precision machined shoulder against which flanges or webs can be located.

It is recommended that a continuous 45° mitre weld be used, working on the larger hub diameter section only. To ensure accuracy in the welded assembly it is essential to apply only sufficient weld to achieve sufficient strength.

Excess weld should not be necessary for normal use and, due to greater heat input, gives a higher risk of distortion.

The table below shows recommended continuous fillet weld requirements for each hub size.

| Hub No | Leg Length mm |
|--------|---------------|
| WH12 | 4 |
| WH16 | 4 |
| WH20 | 5 |
| WH25 | 5 |
| WH30 | 6 |
| WH35 | 6 |
| WH40 | 8 |
| WH45 | 8 |
| WH50 | 10 |

For electric arc welding, low hydrogen electrodes are recommended

