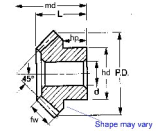




# MBA

## Gears - Mitre - 48 Pitch



1:1 Ratio. 20 Degree Pressure Angle - Nylon, brass, carbon steel and acetal.

Mitre gears are used with a matching gear of the same pitch and number of teeth.

This provides a 1:1 ratio on a 90 degree angle.

See Gears - Bevel for other ratios.

### Gears - Mitre - 48 Pitch

| Part Number       | Teeth (No.) | Pitch Diameter (pd) mm | Bore (d) mm   | Overall Length (L) mm | Sold Per | Hub Diameter (hd) mm | Precision / Material | Hub Projection (hp) mm | Mounting Distance (md) mm | Face Width (fw) mm |
|-------------------|-------------|------------------------|---------------|-----------------------|----------|----------------------|----------------------|------------------------|---------------------------|--------------------|
|                   |             | <i>inches</i>          | <i>inches</i> | <i>inches</i>         |          | <i>inches</i>        |                      | <i>inches</i>          | <i>inches</i>             | <i>inches</i>      |
| # GM48-15-0318-BR | 15          | 7.938                  | 3.175         | 5.558                 | Each     | 6.350 / No Set Screw | Commercial / Brass   | 3.18                   | 7.925                     | 2.383              |
|                   |             | <i>0.313</i>           | <i>0.125</i>  | <i>0.219</i>          |          |                      |                      | <i>0.125</i>           | <i>0.312</i>              | <i>0.094</i>       |
| GM48-15-0318-ACE  | 15          | 7.938                  | 3.175         | 5.558                 | Set of 2 | 6.350 / No Set Screw | Commercial / Acetal  | 3.18                   | 7.938                     | 6.350              |
|                   |             | <i>0.313</i>           | <i>0.125</i>  | <i>0.219</i>          |          |                      |                      | <i>0.125</i>           | <i>0.313</i>              | <i>0.250</i>       |
| GM48-18-0318-NY   | 18          | 9.525                  | 3.175         | 7.145                 | Set of 2 | 8.334 / No Set Screw | Commercial / Nylon   | 4.76                   | 10.320                    | 6.350              |
|                   |             | <i>0.375</i>           | <i>0.125</i>  | <i>0.281</i>          |          |                      |                      | <i>0.187</i>           | <i>0.406</i>              | <i>0.250</i>       |

# Indicates item not stocked at time of printing - Please enquire for lead time

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MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Gears - Mitre - 48 Pitch

| Part Number       | Teeth (No.) | Pitch Diameter (pd)<br>mm | Bore (d) mm   | Overall Length (L) mm | Sold Per | Hub Diameter (hd) mm | Precision / Material      | Hub Projection (hp) mm | Mounting Distance (md) mm | Face Width (fw) mm |
|-------------------|-------------|---------------------------|---------------|-----------------------|----------|----------------------|---------------------------|------------------------|---------------------------|--------------------|
|                   |             | <i>inches</i>             | <i>inches</i> | <i>inches</i>         |          | <i>inches</i>        |                           | <i>inches</i>          | <i>inches</i>             | <i>inches</i>      |
| # GM48-18-0318-CS | 18          | 9.525                     | 3.175         | 7.145                 | Each     | 7.938 / No Set Screw | Commercial / Carbon Steel | 4.76                   | 10.312                    | 2.032              |
|                   |             | <i>0.375</i>              | <i>0.125</i>  | <i>0.281</i>          |          |                      |                           | <i>0.187</i>           | <i>0.406</i>              | <i>0.080</i>       |
| # GM48-18-0318-BR | 18          | 9.525                     | 3.175         | 7.145                 | Each     | 7.938 / No Set Screw | Commercial / Brass        | 4.76                   | 10.312                    | 1.984              |
|                   |             | <i>0.375</i>              | <i>0.125</i>  | <i>0.281</i>          |          |                      |                           | <i>0.187</i>           | <i>0.406</i>              | <i>0.078</i>       |
| GM48-24-0475-NY   | 24          | 12.700                    | 4.750         | 9.525                 | Set of 2 | 9.525 / No Set Screw | Commercial / Nylon        | 6.35                   | 13.495                    | 6.350              |
|                   |             | <i>0.500</i>              | <i>0.187</i>  | <i>0.375</i>          |          |                      |                           | <i>0.250</i>           | <i>0.531</i>              | <i>0.250</i>       |

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