

Metallic Systems

Accessories - Thread Convertors



Technical Characteristics

| | | | | | | | | | | |
|------------------------------------|--|-------------|----------|----------|--------|--------|--------|---------|--------|--------|
| Conforms to | Metric Threads EN 60423 & BS 3643 PG Threads DIN 40430 NPT Threads ANSI / ASME B1.20.1 - 1983 | | | | | | | | | |
| Approvals and Standards | N/A | | | | | | | | | |
| Degree of mechanical protection | Very High | | | | | | | | | |
| Degree of protection | Maintains IP Rating of system when used with correct sealing washers | | | | | | | | | |
| UV protection | Very High | | | | | | | | | |
| Fitting characteristics | Thread convertor | | | | | | | | | |
| Application | For use when different thread forms require connecting together | | | | | | | | | |
| Normal operating temperature range | <table border="1"> <tr> <td>Application</td> <td>Min Temp</td> <td>Max Temp</td> </tr> <tr> <td>Static</td> <td>- 50°C</td> <td>+300°C</td> </tr> <tr> <td>Dynamic</td> <td>- 45°C</td> <td>+250°C</td> </tr> </table> | Application | Min Temp | Max Temp | Static | - 50°C | +300°C | Dynamic | - 45°C | +250°C |
| Application | Min Temp | Max Temp | | | | | | | | |
| Static | - 50°C | +300°C | | | | | | | | |
| Dynamic | - 45°C | +250°C | | | | | | | | |
| For use with - Fittings | All threaded fittings in the Adaptaflex range | | | | | | | | | |

| | | |
|------------------|----------------------|---------------------------|
| Fire performance | Test Standard | Performance Rating |
| | Not Rated | Not Rated |

| | |
|--------------|-----|
| Testing data | N/A |
|--------------|-----|

| | |
|------------------|---------------------|
| Type of material | Nickel Plated Brass |
|------------------|---------------------|



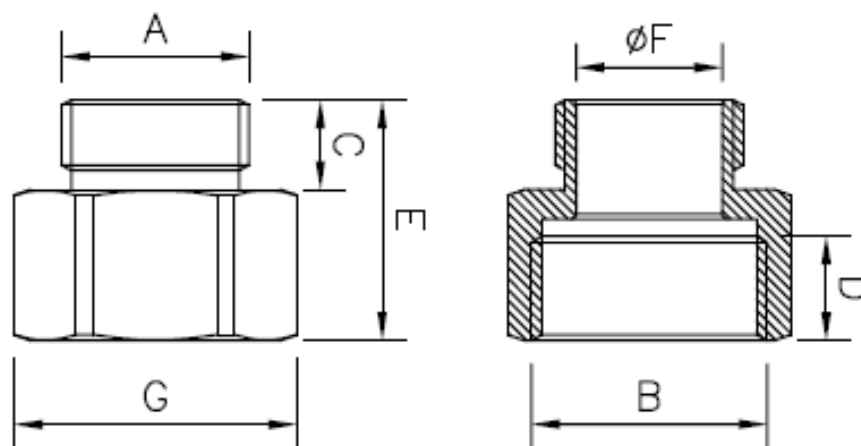
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Dimensional & Thread Data

| Part No | Thread A | Thread B | Nominal Dimensions (mm) | | | | |
|---------------|----------|----------|-------------------------|------|------|------|-------|
| | | | C | D | E | F | G |
| B/PG7-M16/TC | PG7 | M16x1.5 | 9.0 | 12.0 | 25.0 | 8.0 | 20.0 |
| B/PG9-M16/TC | PG9 | M16x1.5 | 9.0 | 12.0 | 26.0 | 12.0 | 20.0 |
| B/PG9-M20/TC | PG9 | M20x1.5 | 9.0 | 12.0 | 26.0 | 12.0 | 22.0 |
| B/PG11-M20/TC | PG11 | M20x1.5 | 9.0 | 12.0 | 26.0 | 12.0 | 22.0 |
| B/PG13-M20/TC | PG13.5 | M20x1.5 | 9.0 | 13.0 | 26.0 | 15.5 | 22.0 |
| B/PG16-M25/TC | PG16 | M25x1.5 | 9.0 | 13.0 | 26.0 | 18.0 | 27.0 |
| B/PG21-M32/TC | PG21 | M32x1.5 | 10.0 | 12.0 | 26.0 | 32.5 | 34.0 |
| B/PG29-M40/TC | PG29 | M40x1.5 | 9.8 | 16.7 | 28.5 | 30.5 | ø44.0 |
| B/M16-PG9/TC | M16x1.5 | PG9 | 9.0 | 12.0 | 26.0 | 12.0 | 22.0 |
| B/M20-PG11/TC | M20x1.5 | PG11 | 9.5 | 7.5 | 20.0 | 16.0 | 24.0 |
| B/M20-PG13/TC | M20x1.5 | PG13.5 | 12.5 | 12.0 | 28.5 | 15.5 | 22.0 |
| B/M20-PG16/TC | M20x1.5 | PG16 | 12.5 | 13.0 | 29.5 | 15.5 | 25.4 |
| B/M20-PG21/TC | M20x1.5 | PG21 | 9.5 | 12.0 | 24.5 | 15.5 | 31.8 |
| B/M25-PG21/TC | M25x1.5 | PG21 | 9.5 | 12.0 | 24.5 | 19.1 | 32.0 |
| B/M32-PG29/TC | M32x1.5 | PG29 | 12.0 | 9.5 | 25.0 | 26.5 | 42.0 |
| B/050-M16/TC | 1/2" NPT | M16x1.5 | 10.0 | 10.0 | 25.5 | 14.0 | 22.0 |
| B/050-M20/TC | 1/2" NPT | M20x1.5 | 9.5 | 12.0 | 25.5 | 16.0 | 22.0 |
| B/M20-050/TC | M20x1.5 | 1/2" NPT | 9.5 | 12.0 | 25.5 | 15.5 | 24.5 |
| B/PG11-050/TC | PG11 | 1/2" NPT | 7.5 | 12.0 | 22.5 | 13.3 | 24.0 |
| B/PG16-050/TC | PG16 | 1/2" NPT | 8.0 | 12.0 | 23.0 | 18.2 | 25.4 |



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Chemical Resistance Chart

Key:

Suitable :



Limited Suitability :



Unsuitable :



Not Tested :



| | | | |
|----------------------|-------------------------|------------------------|-----------------------|
| Astm No.1 | Diesel oil | Methyl Bromide | Sulphur Dioxide (Gas) |
| Astm No.2 | Diethylamine | MEK | Sulphuric Acid (10%) |
| Astm No.3 | Ethanol | Nitric Acid (10%) | Sulphuric Acid (70%) |
| Acetic Acid (10%) | Ether | Nitric Acid (70%) | Toluene |
| Acetone | Ethylamine | Oxalic Acid | Transformer Oil |
| Aluminium Chloride | Ethylene Glycol | Ozone (Gas) | 1,1,1-Trichloroethane |
| Aniline | Ethyl Ethanoate | Paraffin oil | Trichloroethylene |
| Benzaldehyde | Freon 32 | Petrol | Turpentine |
| Benzene | Hydrochloric Acid (10%) | Phenol | Vegetable Oil |
| Carbon tetrachloride | Hydrochloric Acid (36%) | Sea Water | Vinyl Acetate |
| Chlorine water | Hydrogen Peroxide (35%) | Silver Nitrate | Water |
| Chloroform | Hydrogen Peroxide (87%) | Skydrol | White Spirit |
| Citric Acid | Lactic Acid | Sodium Chloride | Zinc Chloride |
| Copper Sulphate | Lubricating oil | Sodium Hydroxide (10%) | |
| Cresol | Methanol | Sodium Hydroxide (60%) | |

The information above is given as a guide only and is based on published technical data and experience. The chemical resistance of the above products is dependant on factors such as chemical exposure, concentration of the chemical and temperature. The above chemicals are valid for a temperature of 23°C. Use of the above table is at the users own discretion and risk. Those using it must satisfy themselves that their application presents no health and safety risks. The end user should assess compatibility with their application and contact Thomas & Betts for further information.

ADHERENCE TO THE CURRENT WIRING REGULATIONS BS7671 OR NEC WIRING REGULATIONS (FOR USA) IS STRONGLY ADVISED.

MINIMUM BEND RADIUS FOR FLEXING IS DEPENDANT UPON MINIMUM TEMPERATURE, BENDING FREQUENCY AND CHEMICAL ENVIRONMENT.