



240 Series



R160 (240 SERIES):

The 240 Series is a lightweight high pressure 3000 PSI (207 Bar) aerospace hose qualified to AS1339. The hose consists of an extruded smoothbore PTFE innercore, reinforced with CRES 304 wire braid in a single layer on sizes -04 through -10, or a double layer on sizes -12 through -24. The PTFE innercore is conductive and provides excellent chemical resistance through a temperature range of -65°F to +400°F (-54°C to +204°C) with unlimited shelf life. The pre-tensioned braid gives 240 Series hose the tightest bend radius of any metal braided high pressure PTFE hose. The standard fitting material is CRES, but titanium is also available for weight savings. Fire protection per AS1055 Class A & B can be either integral or slip-on AS1072 firesleeve. Chafe sleeves are available in a variety of integral or slip-on materials. Hybrid assemblies combining flex hose with multi-bend tube are a Titeflex specialty and provide improved vibration dampening, ease of installation and maintenance over strictly rigid tube from sizes -16 to -24: less than AS1339 rating.

SERIES: 240**SPECIFICATION:** SAE AS1339**BRAID:** CRES**INNERCORE:** PTFE Smoothbore**QUALIFICATIONS:**

SAE AS1339

TSO C75 Type IIIB-S/P-F

AS1055 Type IIa & IIb, Class A & B,

Integral and Slip-on Firesleeve

ENGLISH

| HOSE SIZE | OPERATING PRESSURE | HOSE ID (MIN) | HOSE OD (MIN) | HOSE OD (MAX) | BRAIDED HOSE WT/1' | BEND RADIUS (MIN)/2' | PROOF PRESSURE | ROOM TEMP BURST (MIN) | HIGH TEMP BURST (MIN) |
|-----------|--------------------|---------------|---------------|---------------|--------------------|----------------------|----------------|-----------------------|-----------------------|
| | psi | in | in | in | lb/in | in | psi | psi | psi |
| 4 | 3,000 | 0.212 | 0.36 | 0.39 | 0.009 | 1.5 | 6,000 | 16,000 | 12,000 |
| 6 | 3,000 | 0.298 | 0.455 | 0.49 | 0.015 | 2.5 | 6,000 | 14,000 | 10,500 |
| 8 | 3,000 | 0.391 | 0.585 | 0.615 | 0.02 | 2.88 | 6,000 | 14,000 | 10,500 |
| 10 | 3,000 | 0.485 | 0.69 | 0.73 | 0.027 | 3.25 | 6,000 | 12,000 | 9,000 |
| 12 | 3,000 | 0.602 | 0.95 | 0.99 | 0.058 | 4 | 6,000 | 12,000 | 9,000 |
| 16 | 3,000 | 0.852 | 1.23 | 1.27 | 0.085 | 5 | 6,000 | 12,000 | 9,000 |
| 20 | 3,000 | 1.101 | 1.56 | 1.64 | 0.154 | 12 | 6,000 | 12,000 | 9,000 |
| 24 | 3,000 | 1.36 | 1.84 | 1.9 | 0.159 | 14 | 6,000 | 12,000 | 9,000 |

NOTES /1/ Over minimum 12 inch length /2/ Inside of bend**METRIC**

| HOSE SIZE | OPERATING PRESSURE | HOSE ID (MIN) | HOSE OD (MIN) | HOSE OD (MAX) | BRAIDED HOSE WT/1' | BEND RADIUS (MIN)/2' | PROOF PRESSURE | ROOM TEMP BURST (MIN) | HIGH TEMP BURST (MIN) |
|-----------|--------------------|---------------|---------------|---------------|--------------------|----------------------|----------------|-----------------------|-----------------------|
| | bar | mm | mm | mm | g/m | mm | bar | bar | bar |
| 4 | 207 | 5.4 | 9.1 | 9.9 | 161 | 38.1 | 414 | 1 103 | 827 |
| 6 | 207 | 7.6 | 11.7 | 12.45 | 268 | 63.5 | 414 | 965 | 724 |
| 8 | 207 | 9.9 | 14.9 | 15.62 | 357 | 73 | 414 | 965 | 724 |
| 10 | 207 | 12.6 | 17.8 | 18.5 | 482 | 82.5 | 414 | 827 | 621 |
| 12 | 207 | 15.6 | 24.1 | 25.15 | 1 036 | 98.5 | 414 | 827 | 621 |
| 16 | 207 | 21.6 | 31.2 | 32.3 | 1 518 | 127 | 414 | 827 | 621 |
| 20 | 207 | 28 | 41.7 | 41.7 | 2 753 | 304.8 | 414 | 827 | 621 |
| 24 | 207 | 34.5 | 46.7 | 48.3 | 2 842 | 355.6 | 414 | 827 | 621 |

NOTES /1/ Over minimum 305mm length /2/ Inside of bend

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Revision NC