

UNIVERSAL "Z" HOSE™ BENDS

Universal Applications for **Water Coolant**, **Low- Pressure Fuel & Oil** and **EFV & PCV**
Covers majority of small-bore market, Reduced Inventory

Mackay Universal Small Bore "Z" hose™ bends, are specially designed to provide the largest small-bore application coverage from a few part numbers.

Mackay Z Bend hoses are Flexible through a wide range of angles and planes, however
Warning: Do not bend hose to the point of kinking as this can cause premature failure.

Coolant Hose ZHB##

Suitable for plain water and automotive coolant applications.
Designed for long service life with resistance to heat, ozone and electrochemical degradation.
6mm to 19mm ID Exceed Heater Hose Specification SAE J20R3 Type EC Class D-1 and D-2
25mm ID Exceed Radiator Hose specification SAE J20R4 Type EC Class D-1 and Class D-2
CAUTION, DO NOT USE FOR: fuel, oil or brake fluid applications.

Low-Pressure Fuel & Oil Hose ZHB##F

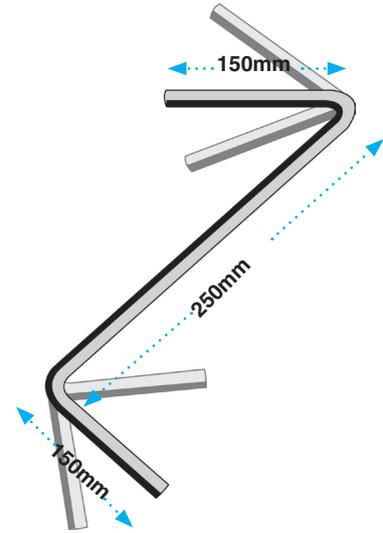
Suitable for low pressure applications and compatible with leaded and unleaded petrol, ethanol blended fuels up to E85, diesel, lubricating oil as well as crankcase and fuel vapour applications.
Exceeds Fuel Hose Specifications SAE J30R6

CAUTION, DO NOT USE FOR: fuel injection feed, common rail diesel feed, transmission cooler, in-tank fuel submersion, marine applications, methanol, biodiesel, coolant or brake fluid applications.

Emission Control, Fuel Vapour and Vacuum ZHB##EFV

Suitable for emissions control, fuel vapour and vacuum applications, with resistance to the fuel and oil vapour found in PCV systems.

CAUTION, DO NOT USE FOR: fuel and oil transfer, coolant or brake fluid applications.



Flexible through a wide range of angles and planes.
Designed to give maximum application coverage

however do not kink hose as this can cause premature failure

UNIVERSAL "Z" HOSE™ BENDS

| ID mm | ID Inches | Part No. | Maximum Working Pressure | | SAE Burst Pressure Requirement | | Working Temp Range | Application | |
|-------|-----------|----------|--------------------------|--------|--------------------------------|---------|--------------------|---|---|
| 6mm | 1/4" | ZHB6 | 0.43 MPa | 62 psi | 1.72 MPa | 249 psi | -40°C to +125°C | Heater Hose SAE 20R3 | |
| 8mm | 5/16" | ZHB8 | | | | | | | |
| 10mm | 3/8" | ZHB10 | | | | | | | |
| 12mm | 15/32" | ZHB12 | | | | | | | |
| 16mm | 5/8" | ZHB15 | 0.35 MPa | 51 psi | 1.38 MPa | 200 psi | | Radiator Hose SAE 20R4 | |
| 19mm | 3/4" | ZHB19 | | | | | | | |
| 25mm | 1" | ZHB25 | | | | | | 0.24 MPa | 35 psi |
| 6mm | 1/4" | ZHB6F | 0.34 MPa | 50 psi | 1.72 MPa | 250 psi | | -34° to +100°C | Low-Pressure Fuel & Oil Hose SAE 30R6 |
| 8mm | 5/16" | ZHB8F | | | | | | | |
| 10mm | 3/8" | ZHB10F | | | | | | | |
| 12mm | 1/2" | ZHB12F | | | | | | | |
| 16mm | 5/8" | ZHB16F | | | | | | | |
| 19mm | 3/4" | ZHB19F | | | | | | | |
| 25mm | 1" | ZHB25F | 0.24 MPa | 35 psi | 1.20 MPa | 175 psi | | | |
| 6mm | 1/4" | ZHB6EFV | | | | | | | |
| 8mm | 5/16" | ZHB8EFV | | | | | | | |
| 10mm | 3/8" | ZHB10EFV | | | | | | | |
| 12mm | 15/32" | ZHB12EFV | | | | | | | |
| | | | Vacuum / Vent Hose | | | | -34° to +100°C | Emission Control, Fuel Vapour & PCV | |



“Z” HOSE™ TRADE PACKS

The revolutionary Mackay “Z” hoses™ are now available in a two popular TRADE PACKS, Part Number ZBAG1 and ZBAG2. The ZBAG1 consists of one each of the top 5 “Z” water hoses and is especially suited as an introductory or replenishment stock pack for workshops. The ZBAG2 contains the additional larger ID 19mm and 25mm hoses.

[Part Number ZBAG1] - “Z” Hose Trade Pack - 6mm to 15mm ID

| Contents | ID mm | ID Inches | QTY In Pack | Application |
|----------|-------|-----------|-------------|-------------------------|
| ZHB6 | 6mm | ¼” | 1 | Heater Hose SAE 20R3 |
| ZHB8 | 8mm | 5/16” | 1 | |
| ZHB10 | 10mm | 3/8” | 1 | |
| ZHB12 | 12mm | 15/32” | 1 | |
| ZHB15 | 16mm | 5/8” | 1 | |



[Part Number ZBAG2] - “Z” Hose Trade Pack - 6mm to 25mm ID

| Contents | ID mm | ID Inches | QTY In Pack | Application |
|----------|-------|-----------|-------------|---------------------------|
| ZHB6 | 6mm | ¼” | 1 | Heater Hose SAE 20R3 |
| ZHB8 | 8mm | 5/16” | 1 | |
| ZHB10 | 10mm | 3/8” | 1 | |
| ZHB12 | 12mm | 15/32” | 1 | |
| ZHB15 | 16mm | 5/8” | 1 | |
| ZHB19 | 19mm | ¾” | 1 | Radiator Hose SAE 20R4 |
| ZHB25 | 25mm | 1” | 1 | |



U SHAPED UNIVERSAL WATER HOSE

| ID mm | ID inches | Part No. | Centerline Arm Length | Centerline Width | Total Width | Maximum Working Pressure | | Radiator Hose SAE 20R4 Burst Pressure requirement | |
|-------|-----------|----------|-----------------------|------------------|-------------|--------------------------|--------|---|---------|
| | | | A | B | C | | | | |
| 25mm | 1” | USH25 | 140mm | 106mm | 130mm | 0.24 MPa | 35 psi | 0.97 MPa | 141 psi |
| 38mm | 1 ½” | USH38 | 145mm | 110mm | 156mm | 0.21 MPa | 30 psi | 0.83 MPa | 120 psi |

