

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

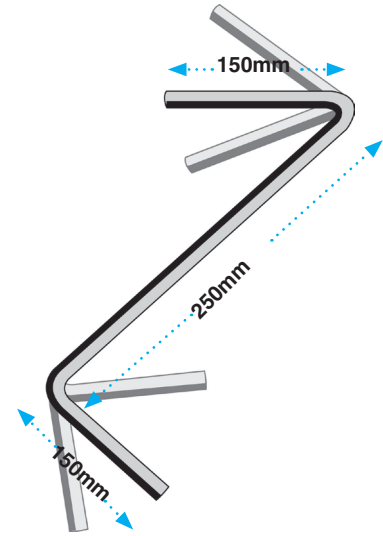
Suitable for low pressure applications and compatible with leaded and unleaded petrol, ethanol blended fuels up to E85, diesel, lubricating oil as well as crankcase and fuel vapour applications.
Exceeds Fuel Hose Specifications SAE J30R6

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							
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	Vacuum / Vent Hose		
6mm	1/4"	ZHB6EFV							
8mm	5/16"	ZHB8EFV							
10mm	3/8"	ZHB10EFV							
12mm	15/32"	ZHB12EFV	-34° to +100°C	Emission Control, Fuel Vapour & PCV					

U HOSE™ BENDS

Universal Applications for [Water / Coolant](#)

Coolant Hose UHB##

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 and larger 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.**

U SHAPED UNIVERSAL WATER HOSE

ID mm	ID inches	Part No.	Height	Centerline Width	Total Width	Maximum Working Pressure		Radiator Hose SAE 20R4 Burst Pressure requirement	
			A	B	C				
16mm	5/8"	USH16	120mm	100mm	125mm	0.43 MPa	62 psi	1.72 MPa	249 psi
16 & 19	5/8"&3/4"	USH16-19**	80mm	68mm	88mm	0.35 MPa	51 psi	1.38 MPa	200 psi
25mm	1"	USH25	140mm	106mm	130mm	0.24 MPa	35 psi	0.97 MPa	141 psi
38mm	1 1/2"	USH38	145mm	110mm	156mm	0.21 MPa	30 psi	0.83 MPa	120 psi

** USH16-19 has 2 different sized ends (16mm and 19mm).

** USH16-19 can be used as Heater Core Delete hose on all General Motors L Series V8's from 1998 onwards.

