

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

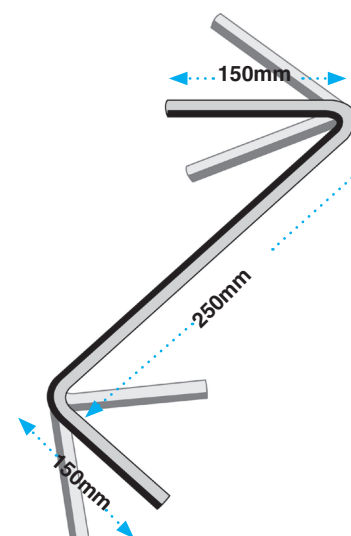
Suitable for low pressure applications and compatible with leaded and unleaded petrol, ethanol blended fuels up to E85, diesel, lubricating oil as well as crankcase and fuel vapour applications.
Exceeds Fuel Hose Specifications SAE J30R6

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								
19mm	3/4"	ZHB19	0.35 MPa	51 psi	1.38 MPa	200 psi		Radiator Hose SAE 20R4		
25mm	1"	ZHB25	0.24 MPa	35 psi	0.97 MPa	141 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	0.24 MPa	35 psi	1.20 MPa	175 psi				
16mm	5/8"	ZHB16F								
19mm	3/4"	ZHB19F								
25mm	1"	ZHB25F								
6mm	1/4"	ZHB6EFV	Vacuum / Vent Hose				-34° to +100°C	Emission Control, Fuel Vapour & PCV		
8mm	5/16"	ZHB8EFV								
10mm	3/8"	ZHB10EFV								
12mm	15/32"	ZHB12EFV								

“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	1/4”	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	1/4”	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	3/4”	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 1/2”	USH38	145mm	110mm	156mm	0.21 MPa	30 psi	0.83 MPa	120 psi

