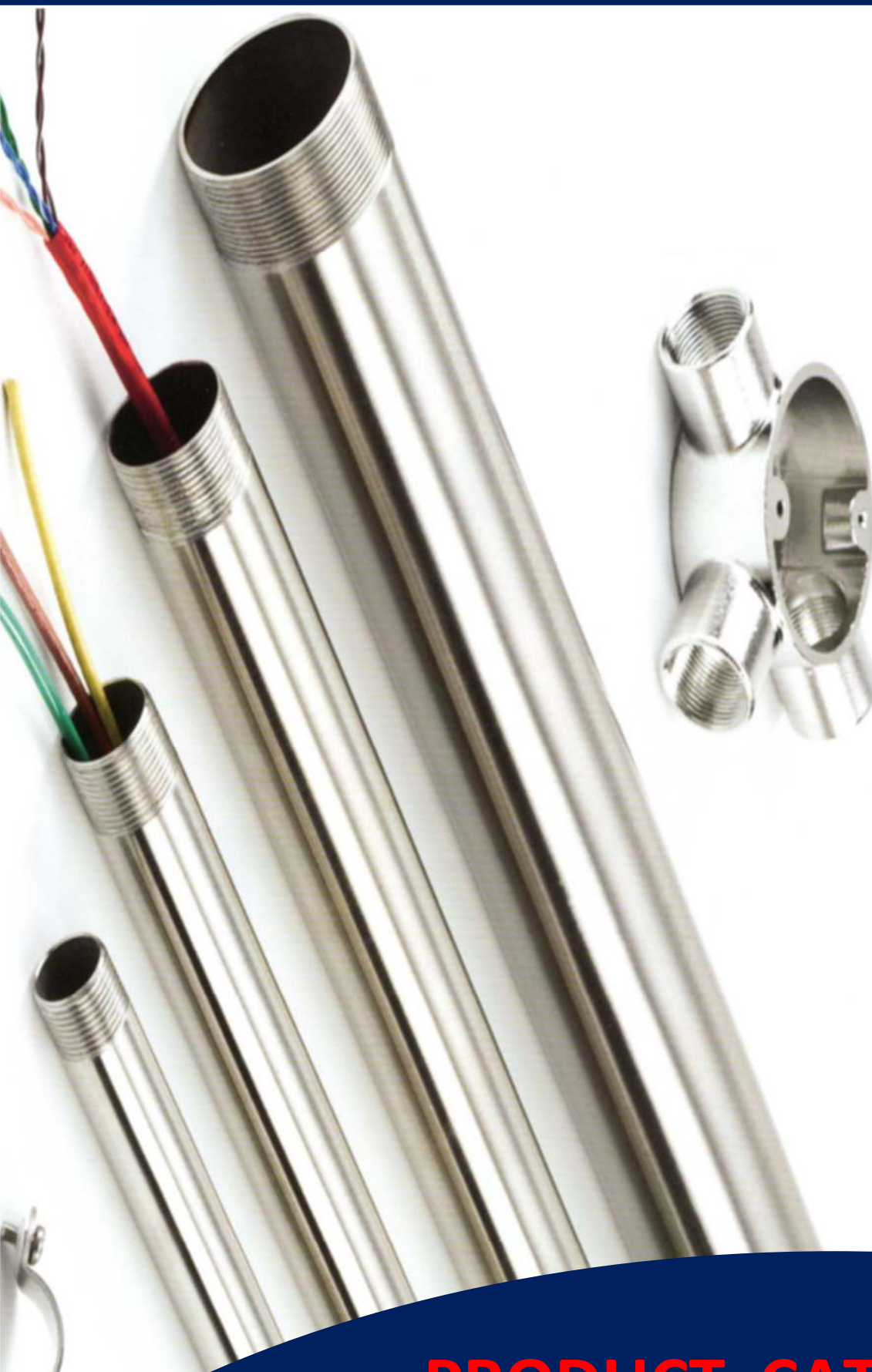


Australia's Leading Metal Conduit  
Manufacturer since 1994



Williams Mining & Industrial Sales Pty Ltd.



*Stainless, Locfit, Galvanised &  
Powder Coated Rigid Conduits*



*Conduit Fittings and Accessories*



*Stainless Steel and PVC Coated  
Flexible Conduits*



*Cable Cover and Warning Tape*

**PRODUCT CATALOGUE**

[www.williamsmining.com.au](http://www.williamsmining.com.au)

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## (HDG) HEAVY DUTY GALVANIZED THREADED CONDUIT – AUSTRALIAN MADE



PART NO.	SIZE	BUNDLE	WEIGHT
WMI-20C3-A	20 mm	10 Lengths	2.9 KG
WMI-25C3-A	25 mm	7 Lengths	4.1 KG
WMI-32C3-A	32 mm	5 Lengths	5.4 KG
WMI-40C3-A	40 mm	3 Lengths	6.8 KG
WMI-50C3-A	50 mm	3 Lengths	9.4 KG

**SUPPLIED WITH COUPLING – Standard 4 meter lengths – BOTH ENDS THREADED**  
- Class 3 HD – Manufactured to AS/NZ2053.7 -Galv to AS/NZ1397-2001

## (VHD) VERY HEAVY DUTY GALVANIZED THREADED CONDUIT – AUSTRALIAN MADE



PART NO.	SIZE	BUNDLE	WEIGHT
WMI-20VHD-A	20 mm	10 Lengths	2.9 KG
WMI-25VHD-A	25 mm	7 Lengths	4.1 KG
WMI-32VHD-A	32 mm	5 Lengths	5.4 KG
WMI-40VHD-A	40 mm	3 Lengths	6.8 KG
WMI-50VHD-A	50 mm	3 Lengths	9.4 KG
WMI-63VHD-A	63 mm	1 Length	13.6 KG

**SUPPLIED WITH COUPLING – Standard 4 meter lengths – BOTH ENDS THREADED**  
- Class 4 VHD – Manufactured to AS/NZ2053.7 – Galv to AS/NZ1397-

## (VHD) VERY HEAVY DUTY GALVANIZED THREADED CONDUIT – IMPORTED



PART NO.	SIZE	BUNDLE	WEIGHT
<b>WMI-20VHD-I</b>	<b>20 mm</b>	<b>10 Lengths</b>	<b>2.9 KG</b>
<b>WMI-25VHD-I</b>	<b>25 mm</b>	<b>7 Lengths</b>	<b>4.1 KG</b>
<b>WMI-32VHD-I</b>	<b>32 mm</b>	<b>5 Lengths</b>	<b>5.4 KG</b>
<b>WMI-40VHD-I</b>	<b>40 mm</b>	<b>3 Lengths</b>	<b>6.8 KG</b>
<b>WMI-50VHD-I</b>	<b>50 mm</b>	<b>3 Lengths</b>	<b>9.4 KG</b>

**SUPPLIED WITH COUPLING – Standard 4 meter lengths – BOTH ENDS THREADED**  
- Class VHD – Manufactured to AS/NZ2053.7 – HDG to AS4680:2006 -

## POWDER COATED THREADED CONDUIT – AUSTRALIAN MADE



PART NO.	SIZE	BUNDLE	WEIGHT
WMI-20PC-A	20 mm	10 Lengths	2.9 KG
WMI-25PC-A	25 mm	7 Lengths	4.1 KG
WMI-32PC-A	32 mm	5 Lengths	5.4 KG
WMI-40PC-A	40 mm	3 Lengths	6.8 KG
WMI-50PC-A	50 mm	3 Lengths	9.4 KG

**SUPPLIED WITH COUPLING – Standard 4 meter lengths – BOTH ENDS THREADED**  
- Class 3 HD – Manufactured to AS/NZ2053.7 – Spectrum of Colours Available -

## ALUMINIUM THREADED CONDUIT – AUSTRALIAN MADE



PART NO.	SIZE	BUNDLE	WEIGHT	Trade 6.5mtr/length
WMI-20AL	20 mm	10 Lengths		\$ 62.89
WMI-25AL	25 mm	7 Lengths		\$ 70.45
WMI-32AL	32 mm	5 Lengths		\$ 88.96
WMI-40AL	40 mm	3 Lengths		\$ 122.17
WMI-50AL	50 mm	3 Lengths		\$ 145.05
WMI-63AL	63 mm	1 Length		\$ 287.75
WMI-80AL	80 mm	1 Length		\$ 416.44
WMI-100AL	100 mm	1 Length		\$ 560.55

**SUPPLIED WITH COUPLING – Standard 3 or 6 meter lengths – BOTH ENDS  
THREADED**  
*Manufactured to AS/NZ2053.7 6060 T5*

## RIGID VHD THREADED CONDUIT – AUSTRALIAN MADE



PART NO.	ID mm	OD mm	Wall Thickness	WEIGHT p/mtr	Trade 6.5mtr/length
WMI-20NB	20 mm	26.9 mm	2.6 mm	1.56 KG	\$ 86.87
WMI-25NB	25 mm	33.7 mm	3.2 mm	2.41 KG	\$ 127.50
WMI-32NB	32 mm	42.4 mm	3.2 mm	3.09 KG	\$ 162.00
WMI-40NB	40 mm	48.3 mm	3.2 mm	3.56 KG	\$ 185.06
WMI-50NB	50 mm	60.3 mm	3.6 mm	5.03 KG	\$ 270.95
WMI-65NB	65 mm	76.1 mm	3.6 mm	6.44 KG	\$ 329.10
WMI-80NB	80 mm	88.9 mm	4.0 mm	8.38 KG	\$ 528.77
WMI-90NB	90 mm	101.6 mm	4.0 mm	9.63 KG	\$ 664.15
WMI-100NB	100 mm	114.3 mm	4.5 mm	12.20 KG	\$ 727.62
WMI-125NB	125 mm	139.7 mm	5.0 mm	16.60 KG	\$ 1543.02
WMI-150NB	150 mm	165.1 mm	5.0 mm	19.70 KG	\$ 2062.03

**SUPPLIED WITH COUPLING – Standard 3.25 or 6.5 meter lengths – BOTH ENDS  
THREADED**  
*Manufactured to AS/NZ2053.7 – Galvanised to AS4680-*



# THREADED Conduit Fittings

**ALL STEEL FITTINGS ARE HOT DIPPED GALVANISED**

## THREADED COUPLING



PART NO.	SIZE
WMI-C20CC	20 mm
WMI-C25CC	25 mm
WMI-C32CC	32 mm
WMI-C40CC	40 mm
WMI-C50CC	50 mm
WMI-C63CC	63 mm

## THREADED SWEEP BENDS



PART NO.	SIZE
WMI-20SB	20mm
WMI-25SB	25mm
WMI-32SB	32 mm
WMI-40SB	40 mm
WMI-50SB	50 mm

## THREADED SOLID ELBOW



PART NO.	SIZE
WMI-20SE	20 mm
WMI-25SE	25 mm
WMI-32SE	32 mm
WMI-40SE	40 mm
WMI-50SE	50 mm

## THREADED INSPECTION ELBOW



PART NO.	SIZE
WMI-20IE	20 mm
WMI-25IE	25 mm
WMI-32IE	32 mm
WMI-40IE	40 mm
WMI-50IE	50 mm

## THREADED INSPECTION TEE



PART NO.	SIZE
WMI-20IT	20 mm
WMI-25IT	25 mm
WMI-32IT	32 mm
WMI-40IT	40 mm
WMI-50IT	50 mm

## THREADED 1 WAY JUNCTION BOX



PART NO.	SIZE
WMI-201JB	20 mm 1 Way
WMI-251JB	25 mm 1 Way
WMI-321JB	32 mm 1 Way
WMI-401JB	40 mm 1 Way
WMI-501JB	50 mm 1 Way

## THREADED 2 WAY JUNCTION BOX



PART NO.	SIZE
WMI-202JB	20 mm 2 Way
WMI-252JB	25 mm 2 Way
WMI-322JB	32 mm 2 Way
WMI-402JB	40 mm 2 Way
WMI-502JB	50 mm 2 Way

## THREADED 3 WAY JUNCTION BOX



PART NO.	SIZE
WMI-203JB	20 mm 3 Way
WMI-253JB	25 mm 3 Way
WMI-323JB	32 mm 3 Way
WMI-403JB	40 mm 3 Way
WMI-503JB	50 mm 3 Way

## THREADED 4 WAY JUNCTION BOX



PART NO.	SIZE
WMI-204JB	20 mm 4 Way
WMI-254JB	25 mm 4 Way
WMI-324JB	32 mm 4 Way
WMI-404JB	40 mm 4 Way
WMI-504JB	50 mm 4 Way

## THREADED ANGLED JUNCTION BOX



PART NO.	SIZE
WMI-202AJB	20 mm Angled
WMI-252AJB	25 mm Angled
WMI-322AJB	32 mm Angled
WMI-402AJB	40 mm Angled
WMI-502AJB	50 mm Angled

## ZINC PLATED THREADED LOCKNUT




PART NO.	SIZE
WMI-LN16G	16 mm
WMI-LN20G	20 mm
WMI-LN25G	25 mm
WMI-LN32G	32mm
WMI-LN40G	40 mm
WMI-LN50G	50 mm

## ZINC PLATED THREADED NIPPLE




PART NO.	SIZE
WMI-N16G	16 mm
WMI-N20G	20 mm
WMI-N25G	25 mm
WMI-N32G	32 mm
WMI-N40G	40 mm
WMI-N50G	50 mm


### Spacer Saddles

	PART NO.	Description
	WMI-SPS20Z	20mm Spacer Saddle Electro Zinc Plated
	WMI-SPS25Z	25 mm Spacer Saddle Electro Zinc Plated
	WMI-SPS32Z	32 mm Spacer Saddle Electro Zinc Plated


### Beam Clamps & Conduit Clips

	PART NO.	Description
	WMI-333CIS20-3	C20-Purlin Clip to suit 20mm Flange M6x25 Screw
	WMI-333CIS30-3	C30-Purlin Clip to suit 20-30mm Flange M8x30 Screw
	WMI-333CIS45-3	C45-Purlin Clip to suit 30-45mm Flange M8x30 Screw
	WMI-333CISR17-3	16-20mm Clip
	WMI-333CISR21-3	20.4-25mm Clip
	WMI-333CISR28-3	26.9-31.8mm Clip
	WMI-333CISR42-3	40-44.5mm Clip
	WMI-333CISR48-3	47-51mm Clip
	WMI-333CISR60-3	59.2-63.5mm Clip


### Distance Saddles

	PART NO.	SIZE
	WMI-DS20G	20 mm Gal/Distance Saddle
	WMI-DS25G	25 mm Gal/Distance Saddle
	WMI-DS32G	32 mm Gal/Distance Saddle
	WMI-EDS20G	20 mm Extra Deep Saddle
	WMI-EDS25G	25 mm Extra Deep Saddle
	WMI-EDS32G	32 mm Extra Deep Saddle

### Lock Rings

	PART NO.	Description
	WMI-LR20G	20 mm Lock Rings
	WMI-LR25G	25 mm Lock Rings
	WMI-LR32G	32 mm Lock Rings
	WMI-LR40G	40 mm Lock Rings
	WMI-LR50G	50 mm Lock Rings

### Conduit Thread Protector (End Caps)

	PART NO.	Description
	WMI-PC20	20 mm Plastic End Cap
	WMI-PC25	25 mm Plastic End Cap
	WMI-PC32	32 mm Plastic End Cap
	WMI-PC40	40 mm Plastic End Cap
	WMI-PC50	50 mm Plastic End Cap



## THREADED REDUCER



PART NO.	SIZE
WMI-R20-16	20 – 16 mm
WMI-R25-20	25 – 20 mm
WMI-R32-25	32 – 25 mm
WMI-R40-32	40 – 32 mm
WMI-R50-40	50 – 40 mm
WMI-R63-50	63 – 50 mm

## THREADED HEX PLUGS



PART NO.	SIZE
WMI-HP16G	16 mm
WMI-HP20G	20 mm
WMI-HP25G	25 mm
WMI-HP32G	32 mm
WMI-HP40G	40 mm
WMI-HP50G	50 mm
WMI-HP63G	63 mm

## THREADED BARREL UNIONS



PART NO.	SIZE
WMI-BU20G	20 mm
WMI-BU25G	25 mm
WMI-BU32G	32 mm
WMI-BU40G	40 mm
WMI-BU50G	50 mm

## THREADED **BRASS** MALE BUSHES



PART NO.	SIZE
WMI-MB20	20mm Brass Male Conduit Bush
WMI-MB25	25mm Brass Male Conduit Bush
WMI-MB32	32mm Brass Male Conduit Bush

## THREADED DOME COVER



PART NO.	SIZE
WMI-PP20	20mm Pendant Plate
WMI-PP25	25 mm Pendant Plate

## ZINC SADDLES



PART NO.	SIZE
WMI-FS20	20mm Full Saddle
WMI-FS25	25mm Full Saddle
WMI-FS32	32mm Full Saddle
WMI-FS40	40mm Full Saddle
WMI-FS50	50mm Full Saddle
WMI-HS20	20mm Half Saddle
WMI-HS25	25mm Half Saddle
WMI-HS32	32mm Half Saddle
WMI-HS40	40mm Half Saddle
WMI-HS50	50mm Half Saddle

# AT LAST!

## STEEL CONDUIT THAT REQUIRES NO THREADING

**W M I S**

**LOCFIT**



**SIMPLICITY OF ASSEMBLY IS THE KEY TO BOSAL'S LABOUR SAVING ADVANTAGE  
OF STEEL CONDUIT. NO SPECIAL TOOLS, NO THREADING.**

- Assemble the threadless steel conduit system in less than half the time taken to install conventional steel conduit.
- Its ease of bending, snug fit and compatibility with steel conduits of earlier design combined with its competitive price, have revolutionised electrical contracting worldwide.
- Conduit sections are joined simply by tapping together. Contact is made between the conduit and fittings by a deformation in the outer expansion, ensuring continuous conductivity.
- The reduction in tooling makes smaller painstaking installations more profitable and viable for contractors.
- Tested and approved by International Standards Authorities and conforming to Revised AS/NZS 2053:7:1995 Conduits and fittings for electrical installations.

### LOCFIT GALVANISED CONDUIT



PART NO.	SIZE	BUNDLE	Weight P/L
WMI-20LF-A	20 mm x 4mtr	10 Lengths	2.5 kg
WMI-25LF-A	25 mm x 4mtr	7 Lengths	3.5 kg
WMI-32LF-A	32 mm x 4mtr	5 Lengths	4.9 kg
WMI-40LF-A	40 mm x 4mtr	3 Lengths	6.4 kg
WMI-50LF-A	50 mm x 4mtr	3 Lengths	8.0 kg
WMI-63LF-A	63 mm x 6mtr	1 Length	18.0 kg
WMI-76LF-A	76 mm x 6mtr	1 Length	18.5 kg
WMI-90LF-A	90 mm x 6mtr	1 Length	20.9 kg
WMI-100LF-A	100 mm x 6mtr	1Length	24.0 kg

**SUPPLIED WITH COUPLING – Standard 4 & 6 meter lengths – PLAIN ENDS**  
**Manufactured and Approved to AS2053.7 –Galvanized to AS4680 & AS1397**

### LOCFIT CONDUIT FITTING 1 WAY JUNCTION BOX



PART NO.	SIZE
WMI-7-201-301-6	20 mm Side Entry 1 Way
WMI-7-250-301-6	25 mm Side Entry 1 Way

### LOCFIT CONDUIT FITTING 2 WAY JUNCTION BOX



PART NO.	SIZE
WMI-7-201-302-6	20 mm Side Entry 2 Way Angle
WMI-7-201-318-6	20 mm Side Entry 2 Way Through
WMI-7-250-302-6	25 mm Side Entry 2 Way Angle
WMI-7-250-318-6	25mm Side Entry 2 Way Through

### LOCFIT CONDUIT FITTING 3 WAY JUNCTION BOX



PART NO.	SIZE
WMI-7-201-303-6	20 mm Side Entry 3 Way
WMI-7-250-303-6	25 mm Side Entry 3 Way

### LOCFIT CONDUIT FITTING 4 WAY JUNCTION BOX



PART NO.	SIZE
WMI-7-201-304-6	20 mm Side Entry 4 Way
WMI-7-250-304-6	25 mm Side Entry 4 Way

### LOCFIT CONDUIT FITTING INSPECTION TEE



PART NO.	SIZE
WMI-7-200-20IT-6	20 mm Inspection Tee
WMI-7-250-25IT-6	25 mm Inspection Tee



**LOCFIT CONDUIT FITTING INSPECTION ELBOW**


PART NO.	SIZE
WMI-7-200-20IE-6	20 mm Inspection Elbow
WMI-7-250-25IE-6	25 mm Inspection Elbow

**LOCFIT CONDUIT COUPLINGS**


PART NO.	SIZE
WMI-7-200-101-6	20 mm
WMI-7-250-101-6	25 mm
WMI-7-320-101-6	32 mm
WMI-7-400-101-6	40 mm
WMI-7-500-101-6	50 mm

**LOCFIT CONDUIT FITTING FEMALE THREAD ADAPTOR**


PART NO.	SIZE
WMI-7-201-316-6	20 mm
WMI-7-250-316-6	25 mm
WMI-7-320-316-6	32 mm
WMI-7-400-316-6	40 mm
WMI-7-500-316-6	50 mm


**LOCFIT CONDUIT FITTING MALE THREAD ADAPTOR**


PART NO.	SIZE
WMI-7-201-317-6	20 mm
WMI-7-250-317-6	25 mm
WMI-7-320-317-6	32 mm
WMI-7-400-317-6	40 mm
WMI-7-500-317-6	50 mm

**LOCFIT CONDUIT FITTING 90 DEGREE BEND x 150mm Radius**


PART NO.	SIZE
WMI-7-200-201-6	20 mm 90deg. Bend
WMI-7-250-201-6	25 mm 90deg. Bend
WMI-7-320-201-6	32 mm 90deg. Bend
WMI-7-400-201-6	40 mm 90deg. Bend
WMI-7-500-201-6	50 mm 90deg. Bend
WMI-7-630-201-6	63 mm 90deg. Bend
WMI-7-760-201-6	76 mm 90deg. Bend
WMI-7-900-201-6	90mm 90deg. Bend
WMI-7-100-201-6	100mm 90deg. Bend

## Universal Conduit Bender 16mm, 20mm, 25mm and 32mm.



**► A unlimited creative bending machine**

**► Massive time savings**

**► Material savings**

**► With Pipe Vice Jaws**

**► Sturdy and portable**

**► With 16/20/25/32mm Formers**

**► Complex multiple bends achieved easily**



## Panda BENDER TB129

Capacity: 16, 20, 25 & 32mm steel conduit to BS4568 & IEC 614-2-1

The Panda Bender is mixed with the fruitful experience and unlimited creativity in the tube bending technology. With the continuous advancement, it increase accuracy, speed of use and reduction of tube wastage.

The Panda Bender is sturdy and portable and comes equipped with a dual-size former to handle 16mm, 20mm, 25mm and 32mm conduit. Bends of different degrees within 90 are easily achieved every time by easily and quickly adjusting the former.

Complex multiple bends are also quickly, without the need for time-consuming checking and offering-up, by following the guide lines supplied.

SPARE PARTS (Refer to Page 4)		
Item	Description	Part No.
1	Bending Lever Carbon steel	1008
2	Extension Tube Carbon steel	1002
3	Former 20 mm Aluminum-alloy casting	111108.01
4	Former 25 mm Aluminum-alloy casting	111108.02
5	Former 32 mm Aluminum-alloy casting	111108.03
6	Pipe Vice Jaws Cast iron & carbon steel	1006
7	Stop Bar Carbon steel & aluminum-alloy casting	1007
8	Tube Stop Carbon steel	1008
9	Terry Retaining Pins Carbon steel	1009
10	Roller Pin Carbon steel	1010
11	Grooved Roller Carbon steel	1011
12	Centre Pin Carbon steel	1012

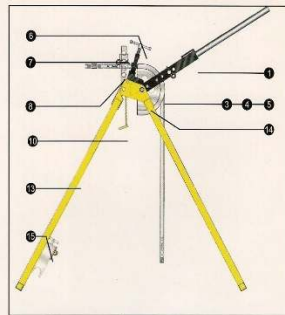


Figure 1: Side elevation of Panda BENDER

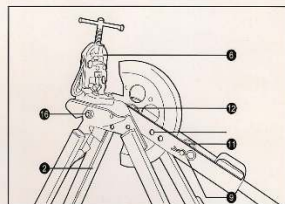


Figure 2: 3D (dimension) of Panda BENDER

PARTS DESCRIPTION (Refer to Figure 1 & 2)			
1	Bending Lever	1	Terry Retaining Pins
2	Extension Tube	10	Roller Pin
3	Former 20 mm	11	Grooved Roller
4	Former 25 mm	12	Centre Pin
5	Former 32 mm	13	Support
6	Pipe Vice Jaws	14	Main Body
7	Stop Bar	15	Former Holder
8	Tube Stop	16	Lep Bolt, washers, spacer

## Working Instructions

NOTE : This machine is designed to bend steel conduit, and must not be used to bend other materials without prior approval of the manufacturers.

Refer to Figure1, 2 & 3 to identify the parts.

1 Unpack the carton. Check that the formers supplied correspond with those marked on the box.

NOTE : The machine is supplied with a grooved roller for bending steel conduit. Plain rollers and guides and short-radius pot floor benders are supplied only when specially ordered.

2 Remove the leg retaining pin A, and open the stand to its fullest extent. Reinsert the pin to lock the leg in position.

3 The pipe vice is secured under its platform for transit; remove it and bolt it in position.

NOTE : The pipe vice is designed for cutting off and screwing only; it should not be used for setting.

4 Remove the bending lever retaining pin B. Fit the grooved roller and pin in the appropriate position on the bending lever (Figure 4).

5 Select the appropriate size of former, withdraw the centre pin C, insert the former and replace the centre pin.

6 Raise the bending lever to the upright position and lock it by reinserting the retaining pin in the lower of the two holes.

7 Swing the stop bar D to the upright position and insert the stop E in the appropriate hole (Figure 4). The machine is now ready.

8 For packing and transport, locate the bending arm between the front legs and secure with the pin. Fold the machine flat, and lock with the retaining pin. The machine may now be carried by the carrying handle.

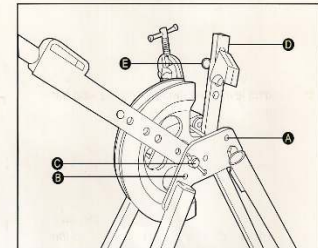


Figure 3

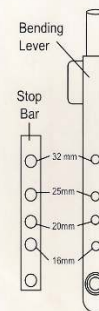


Figure 4



Figure 5

## Bending steel conduit

1 Pass the tube through the gap between the stop bar and the former, and bed it into the grooves (Figure 5).

2 Check that the free end of the tube will not touch the ground before the bend is complete. The maximum lengths are 1100mm.

3 Withdraw the bending lever retaining pin and pull the bending lever down until the bend is complete (Figure 6).

4 If the free end is too long to enable you to complete the bend, remove the tube. Release the bending lever, and swing it and the stop bar downwards.

Load the tube as in step 1 and pull the bending lever upwards until the bend is complete. (Figure 7)

NOTE : When you use the machine in this way, you should steady it by placing your foot on the front leg cross member.

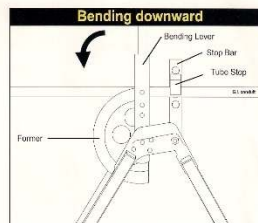


Figure 6

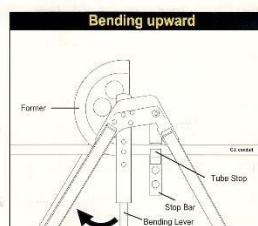
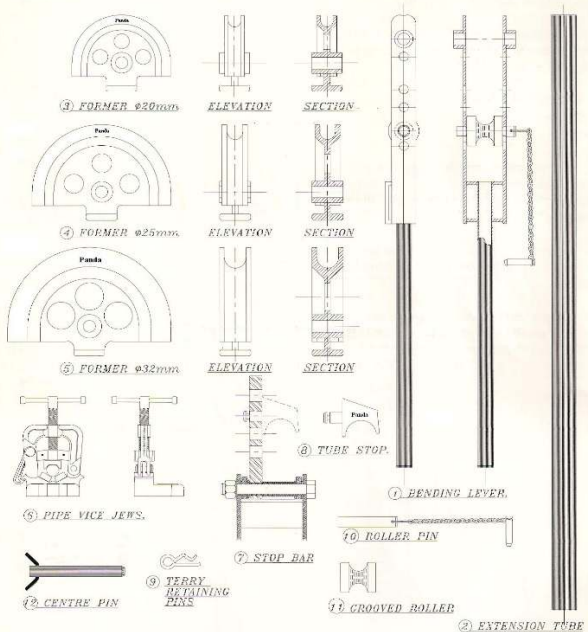


Figure 7

## SPARE PARTS



## Universal Conduit Threading Dies 20mm, 25mm and 32mm.







STAINLESS STEEL THREADED CONDUITS			PER 3 MTR LENGTH
PART NO.	SIZE	WALL THICKNESS	THREAD
WMI-SSCON20	19.05mm OD	1.6mm	1.5 Pitch
WMI-SSCON25	25.00mm OD	1.6mm	1.5 Pitch
WMI-SSCON32	31.80mm OD	1.6mm	1.5 Pitch
WMI-SSCON38	38.10mm OD	1.6mm	1.5 Pitch
WMI-SSCON50	50.00mm OD	1.6mm	1.5 Pitch
WMI-SSCON63	63.50mm OD	1.6mm	1.5 Pitch
SUPPLIED WITH COUPLING - Standard 3 meter lengths - BOTH ENDS THREADED - 316 Marine & Food Grade – 320 grit polished finish -			

### STAINLESS STEEL PLAIN THREADED COUPLING 1.5mm Thread Pitch



PART NO.	SIZE
WMI-SSPC20	20 mm
WMI-SSPC25	25 mm
WMI-SSPC32	32 mm
WMI-SSPC40	38 mm (40mm)
WMI-SSPC50	50 mm

### STAINLESS STEEL PLAIN BENDS 1.5mm Thread Pitch



PART NO.	SIZE
WMI-SSPB 20	20 mm
WMI-SSPB 25	25 mm
WMI-SSPB 32	32 mm
WMI-SSPB 38	38 mm (40mm)
WMI-SSPB 50	50 mm

### STAINLESS STEEL INSPECTION ELBOW



PART NO.	SIZE
WMI-SSIB 20	20 mm
WMI-SSIB 25	25 mm
WMI-SSIB 32	32 mm
SUPPLIED WITH LID - IP67 RATED	

### STAINLESS STEEL INSPECTION TEE




PART NO.	SIZE
WMI-SSIT 20	20 mm
WMI-SSIT 25	25 mm
WMI-SSIT 32	32 mm
SUPPLIED WITH LID - IP67 RATED	

### STAINLESS STEEL 1 WAY JUNCTION BOX




PART NO.	SIZE
WMI-SSJB20/1	20 mm 1 Way
WMI-SSJB25/1	25 mm 1 Way
WMI-SSJB32/1	32 mm 1 Way
SUPPLIED WITH LID GASKET & 2 SCREWS - IP67 RATED -	


### STAINLESS STEEL 2 WAY JUNCTION BOX

	PART NO.	SIZE
	WMI-SSJB 20/2	20 mm 2 Way
	WMI-SSJB 25/2	25 mm 2 Way
	WMI-SSJB 32/2	32 mm 2 Way
SUPPLIED WITH LID GASKET & 2 SCREWS - IP67 RATED -		


### STAINLESS STEEL ANGLED JUNCTION BOX

	PART NO.	SIZE
	WMI-SSJB 20/A	20 mm Angled
	WMI-SSJB 25/A	25 mm Angled
	WMI-SSJB 32/A	32 mm Angled
SUPPLIED WITH LID GASKET & 2 SCREWS - IP67 RATED -		

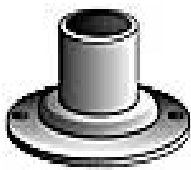
### STAINLESS STEEL 3 WAY JUNCTION BOX

	PART NO.	SIZE
	WMI-SSJB 20/3	20 mm 3 Way
	WMI-SSJB 25/3	25 mm 3 Way
	WMI-SSJB 32/3	32 mm 3 Way
SUPPLIED WITH LID GASKET & 2 SCREWS - IP67 RATED -		

### STAINLESS STEEL 4 WAY JUNCTION BOX

	PART NO.	SIZE
	WMI-SSJB 20/4	20 mm 4 Way
	WMI-SSJB 25/4	25 mm 4 Way
	WMI-SSJB 32/4	32 mm 4 Way
SUPPLIED WITH LID GASKET & 2 SCREWS - IP67 RATED -		

### STAINLESS STEEL PENDANT PLATE

	PART NO.	SIZE
	WMI-SSPP 20	20 mm
	WMI-SSPP 25	25 mm
	WMI-SSPP 32	32 mm



### STAINLESS STEEL LOCKNUT



PART NO.	SIZE
WMI-SSLN 20	20 mm
WMI-SSLN 25	25 mm
WMI-SSLN 32	32 mm
WMI-SSLN 38	38 mm (40mm)
WMI-SSLN 50	50 mm

### STAINLESS STEEL THREADED NIPPLE



PART NO.	SIZE
WMI-SSN 20	20 mm
WMI-SSN 25	25 mm
WMI-SSN 32	32 mm
WMI-SSN 40	40 mm
WMI-SSN 50	50 mm

### STAINLESS STEEL THREADED REDUCER



PART NO.	SIZE
WMI-SSR 20-16	20 – 16 mm
WMI-SSR 25-20	25 – 20 mm
WMI-SSR 32-25	32 – 25 mm

### STAINLESS STEEL DEEP SADDLE




PART NO.	SIZE
WMI-SSDS 20	20 mm
WMI-SSDS 25	25 mm
WMI-SSDS 32	32 mm
WMI-SSDS 50	50 mm

### STAINLESS STEEL HALF SADDLES




PART NO.	SIZE mm
WMI-SSHS20	20mm
WMI-SSHS25	25mm
WMI-SSHS32	32mm
WMI-SSHS38	38mm
WMI-SSHS50	50mm


### STAINLESS STEEL FULL SADDLES

	PART NO.	SIZE
	WMI-SSFS20	20mm
	WMI-SSFS25	25mm
	WMI-SSFS32	32mm
	WMI-SSF40	40mm
	WMI-SSFS50	50mm


### STAINLESS STEEL FLANGE COUPLING

	PART NO.	SIZE
	WMI-SSFC20	20mm
	WMI-SSFC25	25mm
	WMI-SSFC32	32mm
	WMI-SSFC50	50mm


### STAINLESS STEEL RATCHET & HANDLE

	PART NO.	SIZE
	WMI-SSRATCHET20	20mm
	WMI-SSRATCHET25	25mm
	WMI-SSRATCHET32	32mm


### STAINLESS STEEL MUNSON RING 30MM DROP


	PART NO.	SIZE
	WMI-SS30MR20-30	20mm diameter
	WMI-SS30MR25-30	25mm diameter
	WMI-SS30MR32-30	32mm diameter
	WMI-SS30MR50-30	50mm diameter
- SUPPLIED WITH 2 SCREWS -		


### STAINLESS STEEL MUNSON RING 50MM DROP


	PART NO.	SIZE
	WMI-SS50MR20-50	20mm diameter
	WMI-SS50MR25-50	25mm diameter
	WMI-SS50MR32-50	32mm diameter
	WMI-SS50MR50-50	50mm diameter
- SUPPLIED WITH 2 SCREWS -		


### STAINLESS STEEL MUNSON RING 75MM DROP


	PART NO.	SIZE
	WMI-SS75MR20-75	20mm diameter
	WMI-SS75MR25-75	25mm diameter
	WMI-SS75MR32-75	32mm diameter
	WMI-SS75MR50-75	50mm diameter
- SUPPLIED WITH 2 SCREWS -		

STAINLESS STEEL HOOK		
	PART NO.	SIZE
	WMI-SSHOOK	Fits 20 & 25mm Junction Boxes


STAINLESS STEEL MALE HOOK		
	PART NO.	SIZE
	WMI-SSMHOOK	20mm thread

STAINLESS STEEL LOCK RING		
	PART NO.	SIZE
	WMI-SSLR20	20mm
	WMI-SSLR25	25mm
	WMI-SSLR32	32mm
	WMI-SSLR50	50mm


NEOPRENE WASHER		
	PART NO.	SIZE
	WMI-NEOWASH20	20mm
	WMI-NEOWASH25	25mm
	WMI-NEOWASH32	32mm
	WMI-NEOWASH50	50mm

STAINLESS STEEL UNIVERSAL ENCLOSURE		
	PART NO.	SIZE
	WMI-SSENCLOSURE	VARIOUS SIZES AVAILABLE


### Stainless Steel Earth Rods Grade 316 and 304

	PART NO.	SS Earth Rods
	WMI-ER12SS	12.00mm Diameter x Length
	WMI-ER14SS	14.29mm Diameter x Length
	WMI-ER16SS	15.88mm Diameter x Length
	WMI-ER19SS	19.05mm Diameter x Length
	WMI-ER22SS	22.23mm Diameter x Length


### Stainless Steel Earth Rod Couplings

	PART NO.	Description
	WMI-ERCOUP12SS	12mm Earth Rod Coupling
	WMI-ERCOUP14SS	14mm Earth Rod Coupling
	WMI-ERCOUP16SS	16mm Earth Rod Coupling
	WMI-ERCOUP19SS	19mm Earth Rod Coupling
	WMI-ERCOUP22SS	22mm Earth Rod Coupling

### Stainless Steel Driving Spike

	PART NO.	Description
	WMI-ERDS12SS	12mm Earth Rod Driving Spike
	WMI-ERDS14SS	14mm Earth Rod Driving Spike
	WMI-ERDS16SS	16mm Earth Rod Driving Spike
	WMI-ERDS19SS	19mm Earth Rod Driving Spike
	WMI-ERDS22SS	22mm Earth Rod Driving Spike

### Stainless Steel Driving Head

	PART NO.	Description
	WMI-ERDHEAD12SS	12mm Earth Rod Driving Head
	WMI-ERDHEAD14SS	14mm Earth Rod Driving Head
	WMI-ERDHEAD16SS	16mm Earth Rod Driving Head
	WMI-ERDHEAD19SS	19mm Earth Rod Driving Head
	WMI-ERDHEAD22SS	22mm Earth Rod Driving Head

## WMIS Flexible Conduits & Fitting Prices:



Vacuum Formed Nylon Coated, (FSU)  
Temperature Range from -15deg to +70deg C



Vacuum Formed LFH (Low Fire Hazard)  
Temperature Range from -25deg to +90deg C

Part No:	Conduit Size (mm)	Internal Dia: (mm)	Bending Radius: (mm)	Roll Size: (mtrs)		Part No:	Conduit size: (mm)	Internal Dia: (mm)	Bending Radius: (mm)	Roll Size: (mtrs)	
FSU10B	10	6.8	25	25/50		LFHU16B	17	13.0	40	25/50	
FSU12B	14	10.2	30	25/50		LFHU20B	21.5	16.9	45	25/50	
FSU16B	17	13	40	10/25/50		LFHU25B	26	21.1	55	25	
FSU20B	21.5	16.9	45	10/25/50		LFHU32B	34	28.1	70	25	
FSU25B	26	21.1	55	10/25/50		LFHU40B	44.5	37.6	80	10	
FSU32B	34	28.1	70	10/25		LFHU50B	55	48.4	90	10	
FSU40B	44.5	37.6	80	10/25		LFHU63B	64.5	57.5	115	10	
FSU50B	55	48.4	90	10/25		LFHU75B	79	70	150	10	
FSU63B	64.5	57.5	115	10							
FSU75B	79.0	79.0	150	10							



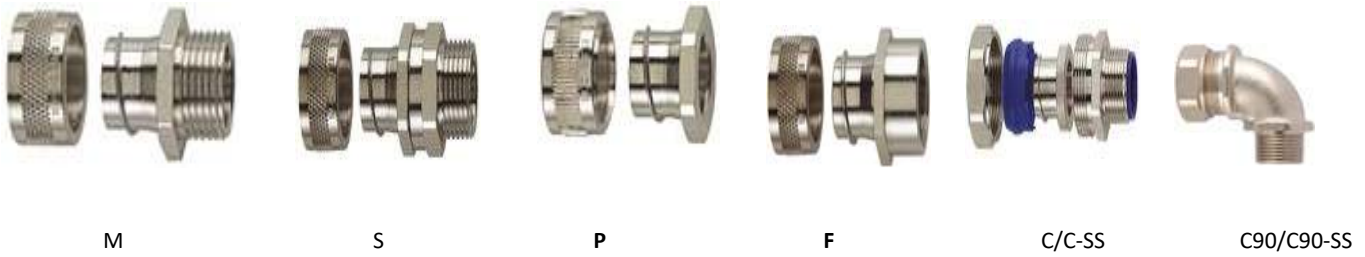
Liquid Tight (LTP)  
Temperature Range from -20deg to +105deg C



SSU Stainless Steel (Grade 316) helically wound flex/conduit

Part No:	Conduit OD Size (mm)	Internal Dia: (mm)	Bending Radius: (mm)	Roll Size: (mtrs)		Part No:	Conduit OD size: (mm)	Internal Dia: (mm)	Bending Radius: (mm)	Roll Size: (mtrs)	
LTP10B	11.8	7.0	35	50		SSU10	9.0	6.8	25	10/25	
LTP12B	14.2	10.0	40	25/50		SSU12	13.0	10.2	30	10/25	
LTP16B	17.8	12.6	45	10/25/50		SSU16	16.0	13.0	40	10/25	
LTP20B	21.1	16.0	65	10/25/50		SSU20	20.5	16.9	45	10/25	
LTP25B	26.4	21.0	100	10/25/50		SSU25	25.0	21.1	55	10/25	
LTP32B	33.1	26.5	135	10/25		SSU32	32.0	28.1	70	10/25	
LTP40B	41.8	35.4	175	10/25		SSU40	42.5	37.6	80	10	
LTP50B	47.9	40.4	230	10/25		SSU50	53.0	48.4	90	10	
LTP63B	59.7	51.6	280	10/25							





Conduit Size:	Thread Size:	Nickel Plated Brass Fittings M=Fixed male. S=Swivel male. P=Plain entry bush			Nickel Plated Brass Adaptor F=Fixed Female. C=Compression fitting. C90=Elbow			Stainless Steel 316 CSS=Straight comp/fitting CSS90 Elbow	
mm	mm	M	S	P	F	C	C90	Straight	90 deg.
10	M10 * 1.5	FSU10-M12-M	FSU10-M12-S	FSU10-P		FSU10-M12-C	FSU10-M16-C90		
12	M12 * 1.5	FSU12-M16-M	FSU12-M16-S	FSU12-P		FSU12-M16-C	FSU12-M16-C90		
16	M16 * 1.5	FSU16-M16-M	FSU16-M16-S	FSU16-P	FSU16-M20F	FSU16-M16-C	FSU16-M16-C90	LTP16-M20-CSS	LTP16-M20-CSS90
20	M20 * 1.5	FSU20-M20-M	FSU20-M20-S	FSU20-P	FSU20-M20F	FSU20-M20-C	FSU16-M20-C90	LTP20-M20-CSS	LTP20-M20-CSS90
25	M25 * 1.5	FSU25-M25-M	FSU25-M25-S	FSU25-P	FSU25-M25-F	FSU25-M25-C	FSU20-M20-C90	LTP25-M25-CSS	LTP25-M25-CSS90
32	M32 * 1.5	FSU32-M32-M	FSU32-M32-S	FSU32-P	FSU32-M32-F	FSU32-M32-C	FSU25-M25-C90	LTP32-M32-CSS	LTP32-M32-CSS90
40	M40 * 1.5	FSU40-M40-M	FSU40-M40-S	FSU40-P		FSU40-M40-C	FSU32-M32-C90	LTP40-M40-CSS	LTP40-M40-CSS90
50	M50 * 1.5	FSU50-M50-M	FSU50-M50-S	FSU50-P		FSU50-M50-C		LTP50-M50-CSS	LTP50-M50-CSS90

Please note all Flexible conduits and fittings are supplied by. [www.flexicon.uk.com](http://www.flexicon.uk.com)




**Underground Mains and Detectable Marking Tape** increases safety by indicating the contents of pipes.

Constructed from polyethylene, the tape is rot and fade resistant and is available in any width and length.

Color coded tapes conform to Australian Standards and stretches rather than tearing when hooked by a shovel or backhoe.


Detectable marking tape is available, containing an electronically continuous 0.7mm stainless steel wire trace which has 50% exposure to soil for easy detection.

Standard widths include 100 & 150mm, with standard lengths varying from 50, 100, 250 and 500 meters for non-detectable tape and 100, 250 and 300 meters for detectable marking tape. Non-Standard lengths may require a longer lead time to allow for manufacture.

UNDERGROUND WARNING TAPE		
	PART NO.	Description
	WMI-150UWT	Electrical Warning Tape Orange (500/100mtr roll)
	WMI-150UWT	Communication Warning Tape White (500/100mtr roll)
	WMI-100DWT	Detectable Warning Tape (250mtr roll)

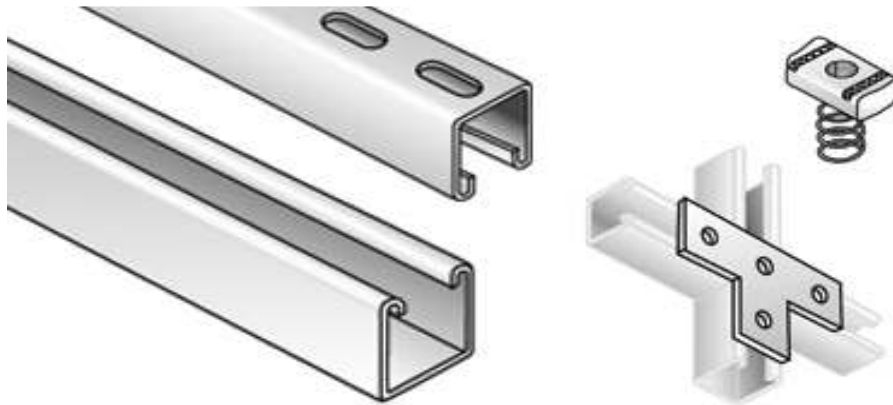
**WMIS** is Australia and New Zealand's largest supplier of underground cable cover. WMIS cable cover is manufactured to AS / NZ 4702-2000.

Our metal detectable cable cover is manufactured to the Australian standard with the inclusion of our Detectable marking tape. Using a 0.7mm AS 316 grade stainless steel tracer wire, this electronically continuous wire has 50% exposure to the soil allowing easy detection.

CABLE COVER		
	PART NO.	Description
	WMI-150CC5	150mm x 5mm x 25mtr Roll
	WMI-200CC5	200mm x 5mm x 25mtr Roll
	WMI-300CC5	300mm x 5mm x 20mtr Roll

## STAINLESS STEEL STRUTS

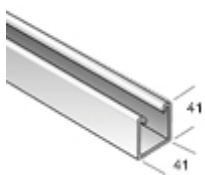
### Stainless Steel Strut Support and Fittings.



WMIS Stainless Steel strut and supports are used in areas where corrosion resistance and high strength supports are required. Our stainless steel struts and fittings in conjunction with our steel conduit range are used by the world's leading Food, Mining, Petrochemical, Pharmaceutical, Dairy & Beverage companies Worldwide.

WMIS strut is available in both 304 and 316 grade Stainless Steel and come in both WMI-1000SS 41x41mm and WMI-3300SS 21x41mm. Standard lengths are 6 or 3 meters.

### Strut & Accessories:



**WMI-SS1000**



**WMI-SS1000T**



**Strut Lid**



**T-Flat Plate**



**90deg. Flat Plate**



**90deg. Angle**



**Base Plate**



**Strut Channel Socket**



**M1796 Beam Clamp**



**Spring Nut**

**Please Note\* ADDITIONAL STRUT SUPPORT PARTS ARE AVAILABLE ON REQ**

## DATA SHEET

### WMIS Grade 6060 T5 Aluminum Conduit Data Sheets.

WMIS Aluminum Conduit is extruded from Grade 6060 T5 Aluminum, it has an accurate circular cross section and a uniform wall thickness.

The conduit is manufactured to 6.0 or 3.0 meter lengths, is threaded both ends and includes one coupling per length as is the requirement of AS/NZ 2053.7 Thread Pitch is 1.5mm.

Storage: It is highly recommended that conduit be stored in a dry area until required.

Application: WMIS Aluminum conduit can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical and corrosion protection for the cables.

6060 T5 Grade is the most commonly used Alloy, it is used for all Architectural applications and light duty structural framework.

Corrosion resistance = A

Anodizing = A

Forming = A

Welding = A

Rated in decreasing order of merit: A, B, C, D.

Conduit Dimensions:

Size: mm	Part No:	Length:	Wall Thickness	Thread Pitch	Aluminium coupling	Outside diameter	Internal diameter
20	WMI-20AL	3-6M	1.6mm	1.5	supplied	20mm	16.8mm
25	WMI-25AL	3-6M	1.6mm	1.5	supplied	25mm	21.8mm
32	WMI-32AL	3-6M	1.6mm	1.5	supplied	32mm	28.8mm
40	WMI-40AL	3-6M	1.6mm	1.5	supplied	40mm	36.8mm
50	WMI-50AL	3-6M	2.0mm	1.5	supplied	50mm	46.0mm

**Country of origin & Manufacture: Australia**

## ***Stainless Steel Conduit Data Sheet.***

### **Specification:**

Material Type.

Stainless Steel ASTM A554 – 316 (19.05, 25, 31.8, 38.10, 50, 63, 76.2, 88.9 & 101.6mm)

Stainless Steel ASTM A554 – 304 (19.05, 25.4, 31.8, 38.10, 50.8, 63 76.2 88.9 & 101.6mm)

Material Thickness: both 316 & 304 is 1.6mm

Conduit Length: 3.0 Meters

Conduit Thread: ISO Form 1.5mm Pitch

Material Finish: Polished

All WMIS Conduits are threaded both ends complete with one coupling per length.

All WMIS Conduits can be supplied in 6.0 Meters

All WMIS Conduit fittings are IP67 rated providing all Conduit entries and couplings have been adequately sealed.

WMIS Stainless Steel Conduits are designed for use in areas susceptible to corrosion and where hygiene is of paramount importance.

Copy of Chemical Composition Data is available upon Request.

**Typical Applications:** 316 Grade is suitable for Brewing and Dairy equipment, Evaporators, Drums, Barrels, Heat Exchangers, Chemical & Food processing, Water Treatment plants, Cool Rooms, Chemical processing equipment, Architectural and Boat fittings exposed to Marine and Polluted atmospheres.

**Description:** Grade 316 is a member of the 18/8 chromium nickel family of austenitic stainless steels, with an addition of 2% molybdenum for improved corrosion resistance, particularly to localized corrosion in chloride containing environments. The very tough and ductile austenitic structure gives grade 316 excellent formability and fabrication characteristics.

In most applications, the steel is used where its corrosion resistance gives long lasting service life and appearance. The ease of cleaning and of maintaining a hygienic surface on the steel make it excellent for many purposes.



## DATA SHEET WMI-VHD-A (AustralianMade) Conduit to AS2053.7 Heavy Duty Galvanized to AS1397

WMIS Australian made conduit is manufactured from Orrcon Maxi steel tube. It has an accurate circular cross section, a uniform wall thickness and continuously welded seams. The interior and exterior surfaces are thoroughly and evenly coated via the inline Galvanizing process.

The conduit is manufactured to 4 meter lengths, is threaded both ends and includes one coupling per length as is the requirement of AS/NZ 2053.7 Thread Pitch is 1.5mm.

Storage: It is highly recommended that Steel conduit be stored in a dry area until required.

Application: WMIS-VHD-A conduit can be installed indoors or outdoors, in dry or wet locations, Exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical protection.

WMIS VHD-A conduits are pre-coated using an innovative Zinc-Alloy coated steel which provides at least 50% greater corrosion resistance than Hot Dipped galvanized tube to AS/NZ4680-2006. The ZM 275 coating on MAXI-TUBE® complies with the ZM 275 coating class specified in Table 3.3 of AS 1397. This coating class specification has good durability in aggressive environments and is an alternative to batch dipped zinc coated steel specified in AS4680. The ZM 275 coated, MAXI-TUBE® is a durable alternative in aggressive environments for the gauge range of coated steel conduit sections supplied in the market.

Conduit Dimensions:

Size: mm	Part No:	Length:	Wall Thickness	Thread Pitch	HDG coupling	Outside diameter	Internal diameter
20	WMI-20VHD-A	4M	1.6mm	1.5	supplied	20mm	17.0mm
25	WMI-25VHD-A	4M	1.8mm	1.5	supplied	25mm	22.0mm
32	WMI-32VHD-A	4M	1.8mm	1.5	supplied	32mm	28.4mm
40	WMI-40VHD-A	4M	1.8mm	1.5	supplied	40mm	36.4mm
50	WMI-50VHD-A	4M	2.0mm	1.5	supplied	50mm	46.0mm
63	WMI-63VHD-A	4M	1.8mm	1.5	supplied	63.5mm	59.9mm

**Country of Origin: Australia.**

**Advantages of WMIS Maxi-Tube, (registered trade name of Orrcon Industries),**

- (a) Greater corrosion resistance than Batch Hot-Dip Galvanized Steel Tube.
- (b) Suited for coastal, Industrial, Intensive farming, Food processing, Industry & Infrastructure applications.
- (c) Available with a warranty of up to 25years, and for the first time a defined warranty is available for pre-coated tube in areas less than 1 km from marine influence.
- (d) Lower life cycle and maintenance costs compared to HDG products.
- (e) It can be successfully welded, painted and powder coated.
- (f) With a coated 2.5 times harder than Zinc, MAXI-TUBE delivers superior scratch resistance.
- (g) It has a lower carbon foot print due to reduced manufacturing processes and a longer product life.
- (h) It is aesthetically pleasing with zero spangle and a smooth satin finish.

"MAXI-TUBE is a significant innovation which takes durability performance of pre-coated steel tube and pipe to the next level. The Zinc, Aluminium, Magnesium alloy on the surface provides excellent corrosion resistance due to a better oxide coating layer." The ZM 275 coating on MAXI-TUBE® complies with the ZM 275 coating class specified in Table 3.3 of AS 1397. This coating class specification has good durability in aggressive environments and is an alternative to batch dipped zinc coated steel specified in AS4680. The ZM 275 coated MAXI-TUBE® is a durable alternative in aggressive environments for the gauge range of coated steel conduit sections supplied in the market.\*

As quoted by Professor Andy Atrons – Head Division of Materials Engineering, University of Queensland.

## WMI- (LF) Locfit Conduit Data Sheet:

WMIS Locfit Galvanized to AS/NZ1397- Conduits are manufactured from BHP in line galvanized steel tube. It has an accurate circular cross section, a uniform wall thickness and continuously welded seams. The interior and exterior surfaces are thoroughly and evenly coated with zinc via the inline process.

WMIS Locfit Conduit can be supplied in a Heavy Duty Galvanized finish, Galvanizing is carried out to Australian Standard 4680-2006. and AS/NZ1397

The conduit comes in standard 4 meter lengths up to 63mm and 6 meters for larger sizes, including coupling, as per Australian Standard specification 2053.7.

Storage: It is highly recommended that Steel Conduit be stored in a dry area until used.

Application: WMIS Conduit can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical protection for the conductors while reducing Electro-Magnetic field exposure and shielding against Electro-Magnetic Interference.

Part No:	Conduit Size:	Outside Diameter:	Inside Diameter:	Wall Thickness:
WMI-20LF-A	20mm	20mm	16.8mm	1.2 mm
WMI-25LF-A	25mm	25mm	21.4mm	1.2mm
WMI-32LF-A	32mm	32mm	28.4mm	1.2mm
WMI-40LF-A	40mm	40mm	36.4mm	1.2mm
WMI-50LF-A	50mm	50mm	46.0mm	1.2mm
WMI-63LF-A	63mm	63.5mm	59.9mm	1.2mm
WMI-100LF-A	101mm	101mm	97.0mm	1.6mm

### Instructions for Assembling Conduit Fittings to Metal Conduit.

- 1: Apply a bead of 638 Loctite sealant or equivalent approximately 10mm back from edge of conduit, so that when it enters the conduit fittings it will create a seal and still maintain the integrity of the conduit continuity.
- 2: Push or tap metal conduit firmly into the 1,2,3,4 way Junction boxes, Bends, Elbows, Adaptors or couplings until conduit reaches the end stop in the conduit fittings collar. This may be achieved by holding the conduit with Multigrips or Vice Grips and tapping it into the fitting with a Hammer, Mallet or like tool. The notch in the conduit fitting will cut into the conduit, thus creating continuity and also locking conduit in so it is not easily removed.
- 3: The thread on standard screwed conduits can be fitted directly into these conduit fittings.
- 4: 638 Loctite or equivalent is only required to meet IP65 standard, there is no need to apply this if IP rating is not required.

**Australian Engineered and Designed to meet AS2053.7**

## DATA SHEET

### WMI-VHD-I Conduit to AS2053.7. HDG to AS4680-2006

WMIS Imported conduit is manufactured from Mild steel tube. It has an accurate circular cross section, a uniform wall thickness and continuously welded seams. The interior and exterior surface is thoroughly and evenly coated via the Hot Dipped Galvanizing process to AS4680-2006.

The conduit is manufactured to 4 meter lengths, is threaded both ends and includes one coupling per length as is the requirement of AS/NZ 2053.7 Thread Pitch is 1.5mm.

**Storage:** It is highly recommended that Steel conduit be stored in a dry area until required.

**Application:** WMIS-VHD conduit can be installed indoors or outdoors, in dry or wet locations, Exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical protection for the conductors while reducing Electro-Magnetic field exposure and shielding against Electro-Magnetic Interference.

All WMIS conduits are galvanized to AS/NZ4680-2006 for coatings on ferrous articles that are not centrifuged with a wall thickness of 1.5 to 3mm thickness, or average coating thickness minimum of 55 microns as required by AS4680-2006.

#### Conduit Dimensions:

Size: mm	Part No:	Length:	Wall Thickness	Thread Pitch	HDG coupling	Outside diameter	Internal diameter
20	WMI-20VHD-I	4M	1.6mm	1.5	supplied	20mm	17.0mm
25	WMI-25VHD-I	4M	1.6mm	1.5	supplied	25mm	22.0mm
32	WMI-32VHD-I	4M	1.8mm	1.5	supplied	32mm	28.4mm
40	WMI-40VHD-I	4M	1.8mm	1.5	supplied	40mm	36.4mm
50	WMI-50VHD-I	4m	2.0mm	1.5	supplied	50mm	46.0mm

## DATA SHEET

### WMI-C3-A Conduit to AS2053.7. Galvanized to AS1397-2001: Z275

WMIS conduit is manufactured from steel tube. It has an accurate circular cross section, a uniform wall thickness. The interior and exterior surfaces are thoroughly and evenly coated via the in line Galvanizing process to AS1397. Z275.

The conduit is manufactured to 4 meter lengths, is threaded both ends and includes one coupling per length as is the requirement of AS/NZ 2053.7 Thread Pitch is 1.5mm.

Storage: It is highly recommended that Steel conduit be stored in a dry area until required.

Application: WMIS-C3-A conduit can be installed indoors or outdoors, in dry or wet locations, Exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical protection for the conductors while reducing Electro-Magnetic field exposure and shielding against Electro-Magnetic Interference.

All WMIS conduits are pre Galvanized at point of manufacture in accordance with AS1397 and coating class of Z275 for coatings on ferrous articles that are not centrifuged with a wall thickness of 1.5 to 3mm thickness, or average coating thickness

#### Conduit Dimensions:

Size: mm	Part No:	Length:	Wall Thickness	Thread Pitch	HDG coupling	Outside diameter	Internal diameter
20	WMI-20C3-A	4M	1.6mm	1.5	supplied	20mm	17.0mm
25	WMI-25C3-A	4M	1.6mm	1.5	supplied	25mm	22.0mm
32	WMI-32C3-A	4M	1.8mm	1.5	supplied	32mm	28.4mm
40	WMI-40C3-A	4M	1.8mm	1.5	supplied	40mm	36.4mm
50	WMI-50C3-A	4m	2.0mm	1.5	supplied	50mm	46.0mm



## **WMIS Data Sheet for 20NB Heavy Duty Rigid Conduit.**

WMIS tube listed is manufactured by cold forming and electric resistance welding and is tested to the following Australian standards. Hollow sections listed may be used for structural purposes and have been manufactured to meet:

- (a) AS1163-1991 Structural Steel hollow sections.
- (b) AS1074-1989 Steel Tubes and Tubulars for ordinary service.
- (c) Steel Grade: C350LO
- (d) Yield strength (MPa) min: 350
- (e) Ultimate Tensile Strength (MPa) min: 430
- (f) Minimum elongation (%) where gauge length = 5.65\*

### **20mm NB Rigid ALLGAL Conduit.**

- (a) Outer Diameter: 26.9mm
- (b) Inner Diameter: 20mm
- (c) Wall Thickness: 2.6mm
- (d) Manufactured to AS1074/AS1163
- (e) Grade: C350 LO
- (f) Standard Lengths: 6.5mtrs. & 3.25mtrs
- (g) Finish: Galvanized to AS4750
- (h) Threads Available: NPT or BSP Tapered.

This product is not meant for use in high pressure applications.

Storage\* It is highly recommended that Steel Conduit be stored in a dry area until used.

Application: WMIS Conduits can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical protection for the conductors while reducing Electro-Magnetic field exposure, Rigid steel conduits are Non propagating therefore offering greater protection of cables in case of fires.

### **Advantages of using WMIS Rigid Steel Conduits**

- (a) Better corrosion resistance.
- (b) Greater resistance to mechanical or electrical damage.
- (c) Stronger mechanical support.
- (d) Better protection under exposure from the sun, cyclones, rain and wind.
- (e) Greater protection against fires
- (f) Better dissipation of heat.
- (g) Non propagating material therefore greater protection of cables in case of fires.

### **Suppliers Description and physical characteristics of the conduit are summarized as follows:**

- (a) The Conduit is produced as tube from Cold-Formed Structural Steel Hollow Sections steel strip.
- (b) Both sides of the feed strip for tube are coated with electro deposited zinc.
- (c) The strip is mechanically cleaned and descaled prior to electro coating with zinc.
- (d) Steel is processed in accordance with AS1074.
- (e) Steel conforms to AS1163 350LO.
- (f) Zinc coating conforms to AS4750-2000 and a clear water based polymer coating called Clear-Tec to the external surface of ALLGAL which provides additional shelf life protection. Total coating thickness of ALLGAL plus CLEAR-TEC is 11 microns.

Conduits are produced in wall thickness that meet or exceed those specified, providing suitability for use in AS2053.7 conforming Electrical Conduits.

All listed sizes are suitable for use with Non threaded type couplings, roll-groove type couplings, and fittings of suitable diameter. Additionally, they are suitable for joining by shouldered end coupling, or by appropriate screw threading techniques, or butt welding.

## **WMIS Data Sheet for 25NB Heavy Duty Rigid Conduit.**

WMIS tube listed is manufactured by cold forming and electric resistance welding and is tested to the following Australian standards. Hollow sections listed may be used for structural purposes and have been manufactured to meet:

- (g) AS1163-1991 Structural Steel hollow sections.
- (h) AS1074-1989 Steel Tubes and Tubulars for ordinary service.
- (i) Steel Grade: C350LO
- (j) Yield strength (MPa) min: 350
- (k) Ultimate Tensile Strength (MPa) min: 430
- (l) Minimum elongation (%) where gauge length = 5.65\*

### **25mm NB Rigid ALLGAL Conduit.**

- (i) Outer Diameter: 33.7mm
- (j) Inner Diameter: 25mm
- (k) Wall Thickness: 3.2mm
- (l) Manufactured to AS1074/AS1163
- (m) Grade: C350 LO
- (n) Standard Lengths: 6.5mtrs. & 3.25mtrs
- (o) Finish: Galvanized to AS4750
- (p) Threads Available: NPT or BSP Tapered.

This product is not meant for use in high pressure applications.

Storage\* It is highly recommended that Steel Conduit be stored in a dry area until used.

Application: WMIS Conduits can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical protection for the conductors while reducing Electro-Magnetic field exposure, Rigid steel conduits are Non propagating therefore offering greater protection of cables in case of fires.

### **Advantages of using WMIS Rigid Steel Conduits**

- (h) Better corrosion resistance.
- (i) Greater resistance to mechanical or electrical damage.
- (j) Stronger mechanical support.
- (k) Better protection under exposure from the sun, cyclones, rain and wind.
- (l) Greater protection against fires
- (m) Better dissipation of heat.
- (n) Non propagating material therefore greater protection of cables in case of fires.

### **Suppliers Description and physical characteristics of the conduit are summarized as follows:**

- (g) The Conduit is produced as tube from Cold-Formed Structural Steel Hollow Sections steel strip.
- (h) Both sides of the feed strip for tube are coated with electro deposited zinc.
- (i) The strip is mechanically cleaned and descaled prior to electro coating with zinc.
- (j) Steel is processed in accordance with AS1074.
- (k) Steel conforms to AS1163 350LO.
- (l) Zinc coating conforms to AS4750-2000 and a clear water based polymer coating called Clear-Tec to the external surface of ALLGAL which provides additional shelf life protection. Total coating thickness of ALLGAL plus CLEAR-TEC is 11 microns.

Conduits are produced in wall thickness that meet or exceed those specified, providing suitability for use in AS2053.7 conforming Electrical Conduits.

All listed sizes are suitable for use with Non threaded type couplings, roll-groove type couplings, and fittings of suitable diameter.

Additionally, they are suitable for joining by shouldered end coupling, or by appropriate screw threading techniques, or butt welding.

## WMIS Data Sheet for 32NB Heavy Duty Rigid Conduit.

WMIS tube listed is manufactured by cold forming and electric resistance welding and is tested to the following Australian standards. Hollow sections listed may be used for structural purposes and have been manufactured to meet:

- (m) AS1163-1991 Structural Steel hollow sections.
- (n) AS1074-1989 Steel Tubes and Tubulars for ordinary service.
- (o) Steel Grade: C350LO
- (p) Yield strength (MPa) min: 350
- (q) Ultimate Tensile Strength (MPa) min: 430
- (r) Minimum elongation (%) where gauge length = 5.65\*

### 32mm NB Rigid ALLGAL Conduit.

- (q) Outer Diameter: 42.4mm
- (r) Inner Diameter: 32mm
- (s) Wall Thickness: 3.2mm
- (t) Manufactured to AS1074/AS1163
- (u) Grade: C350 LO
- (v) Standard Lengths: 6.5mtrs. & 3.25mtrs
- (w) Finish: Galvanized to AS4750
- (x) Threads Available: NPT or BSP Tapered.

This product is not meant for use in high pressure applications.

Storage\* It is highly recommended that Steel Conduit be stored in a dry area until used.

Application: WMIS Conduits can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical protection for the conductors while reducing Electro-Magnetic field exposure, Rigid steel conduits are Non propagating therefore offering greater protection of cables in case of fires.

### Advantages of using WMIS Rigid Steel Conduits

- (o) Better corrosion resistance.
- (p) Greater resistance to mechanical or electrical damage.
- (q) Stronger mechanical support.
- (r) Better protection under exposure from the sun, cyclones, rain and wind.
- (s) Greater protection against fires
- (t) Better dissipation of heat.
- (u) Non propagating material therefore greater protection of cables in case of fires.

### Suppliers Description and physical characteristics of the conduit are summarized as follows:

- (m) The Conduit is produced as tube from Cold-Formed Structural Steel Hollow Sections steel strip.
- (n) Both sides of the feed strip for tube are coated with electro deposited zinc.
- (o) The strip is mechanically cleaned and descaled prior to electro coating with zinc.
- (p) Steel is processed in accordance with AS1074.
- (q) Steel conforms to AS1163 350LO.
- (r) Zinc coating conforms to AS4750-2000 and a clear water based polymer coating called Clear-Tec to the external surface of ALLGAL which provides additional shelf life protection. Total coating thickness of ALLGAL plus CLEAR-TEC is 11 microns.

Conduits are produced in wall thickness that meet or exceed those specified, providing suitability for use in AS2053.7 conforming Electrical Conduits.

All listed sizes are suitable for use with Non threaded type couplings, roll-groove type couplings, and fittings of suitable diameter. Additionally, they are suitable for joining by shouldered end coupling, or by appropriate screw threading techniques, or butt welding.

## WMIS Data Sheet for 40NB Heavy Duty Rigid Conduit.

WMIS tube listed is manufactured by cold forming and electric resistance welding and is tested to the following Australian standards. Hollow sections listed may be used for structural purposes and have been manufactured to meet:

- (s) AS1163-1991 Structural Steel hollow sections.
- (t) AS1074-1989 Steel Tubes and Tubulars for ordinary service.
- (u) Steel Grade: C350LO
- (v) Yield strength (MPa) min: 350
- (w) Ultimate Tensile Strength (MPa) min: 430
- (x) Minimum elongation (%) where gauge length = 5.65\*

### 40mm NB Rigid ALLGAL Conduit.

- (y) Outer Diameter: 48.3mm
- (z) Inner Diameter: 40mm
- (aa) Wall Thickness: 3.2mm
- (bb) Manufactured to AS1074/AS1163
- (cc) Grade: C350 LO
- (dd) Standard Lengths: 6.5mtrs. & 3.25mtrs
- (ee) Finish: Galvanized to AS4750
- (ff) Threads Available: NPT or BSP Tapered.

This product is not meant for use in high pressure applications.

Storage\* It is highly recommended that Steel Conduit be stored in a dry area until used.

Application: WMIS Conduits can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical protection for the conductors while reducing Electro-Magnetic field exposure, Rigid steel conduits are Non propagating therefore offering greater protection of cables in case of fires.

### Advantages of using WMIS Rigid Steel Conduits

- (v) Better corrosion resistance.
- (w) Greater resistance to mechanical or electrical damage.
- (x) Stronger mechanical support.
- (y) Better protection under exposure from the sun, cyclones, rain and wind.
- (z) Greater protection against fires
- (aa) Better dissipation of heat.
- (bb) Non propagating material therefore greater protection of cables in case of fires.

### Suppliers Description and physical characteristics of the conduit are summarized as follows:

- (s) The Conduit is produced as tube from Cold-Formed Structural Steel Hollow Sections steel strip.
- (t) Both sides of the feed strip for tube are coated with electro deposited zinc.
- (u) The strip is mechanically cleaned and descaled prior to electro coating with zinc.
- (v) Steel is processed in accordance with AS1074.
- (w) Steel conforms to AS1163 350LO.
- (x) Zinc coating conforms to AS4750-2000 and a clear water based polymer coating called Clear-Tec to the external surface of ALLGAL which provides additional shelf life protection. Total coating thickness of ALLGAL plus CLEAR-TEC is 11 microns.

Conduits are produced in wall thickness that meet or exceed those specified, providing suitability for use in AS2053.7 conforming Electrical Conduits.

All listed sizes are suitable for use with Non threaded type couplings, roll-groove type couplings, and fittings of suitable diameter. Additionally, they are suitable for joining by shouldered end coupling, or by appropriate screw threading techniques, or butt welding.



## **WMIS Data Sheet for 50NB Heavy Duty Rigid Conduit.**

WMIS tube listed is manufactured by cold forming and electric resistance welding and is tested to the following Australian standards. Hollow sections listed may be used for structural purposes and have been manufactured to meet:

- (y) AS1163-1991 Structural Steel hollow sections.
- (z) AS1074-1989 Steel Tubes and Tubulars for ordinary service.
- (aa) Steel Grade: C350LO
- (bb) Yield strength (MPa) min: 350
- (cc) Ultimate Tensile Strength (MPa) min: 430
- (dd) Minimum elongation (%) where gauge length = 5.65\*

### **50mm NB Rigid ALLGAL Conduit.**

- (gg) Outer Diameter: 60.3mm
- (hh) Inner Diameter: 50mm
- (ii) Wall Thickness: 3.6mm
- (jj) Manufactured to AS1074/AS1163
- (kk) Grade: C350 LO
- (ll) Standard Lengths: 6.5mtrs. & 3.25mtrs
- Finish: Galvanized to AS4750
- Threads Available: NPT or BSP Tapered.

This product is not meant for use in high pressure applications.

Storage\* It is highly recommended that Steel Conduit be stored in a dry area until used.

Application: WMIS Conduits can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical protection for the conductors while reducing Electro-Magnetic field exposure, Rigid steel conduits are Non propagating therefore offering greater protection of cables in case of fires.

### **Advantages of using WMIS Rigid Steel Conduits**

- (cc) Better corrosion resistance.
- (dd) Greater resistance to mechanical or electrical damage.
- (ee) Stronger mechanical support.
- (ff) Better protection under exposure from the sun, cyclones, rain and wind.
- (gg) Greater protection against fires
- (hh) Better dissipation of heat.
- (ii) Non propagating material therefore greater protection of cables in case of fires.

### **Suppliers Description and physical characteristics of the conduit are summarized as follows:**

- (y) The Conduit is produced as tube from Cold-Formed Structural Steel Hollow Sections steel strip.
- (z) Both sides of the feed strip for tube are coated with electro deposited zinc.
- (aa) The strip is mechanically cleaned and descaled prior to electro coating with zinc.
- (bb) Steel is processed in accordance with AS1074.
- (cc) Steel conforms to AS1163 350LO.
- (dd) Zinc coating conforms to AS4750-2000 and a clear water based polymer coating called Clear-Tec to the external surface of ALLGAL which provides additional shelf life protection. Total coating thickness of ALLGAL plus CLEAR-TEC is 11 microns.

Conduits are produced in wall thickness that meet or exceed those specified, providing suitability for use in AS2053.7 conforming Electrical Conduits.

All listed sizes are suitable for use with Non threaded type couplings, roll-groove type couplings, and fittings of suitable diameter. Additionally, they are suitable for joining by shouldered end coupling, or by appropriate screw threading techniques, or butt welding.

## WMIS Data Sheet for 65NB Heavy Duty Rigid Conduit.

WMIS tube listed is manufactured by cold forming and electric resistance welding and is tested to the following Australian standards. Hollow sections listed may be used for structural purposes and have been manufactured to meet:

- (ee) AS1163-1991 Structural Steel hollow sections.
- (ff) AS1074-1989 Steel Tubes and Tubulars for ordinary service.
- (gg) Steel Grade: C350LO
- (hh) Yield strength (MPa) min: 350
- (ii) Ultimate Tensile Strength (MPa) min: 430
- (jj) Minimum elongation (%) where gauge length = 5.65\*

### 65mm NB Rigid ALLGAL Conduit.

- (mm) Outer Diameter: 76.1mm
- (nn) Inner Diameter: 65mm
- (oo) Wall Thickness: 3.6mm
- (pp) Manufactured to AS1074/AS1163
- (qq) Grade: C350 LO
- (rr) Standard Lengths: 6.5mtrs. & 3.25mtrs
- (ss) Finish: Galvanized to AS4750
- (tt) Threads Available: NPT or BSP Tapered.

This product is not meant for use in high pressure applications.

Storage\* It is highly recommended that Steel Conduit be stored in a dry area until used.

Application: WMIS Conduits can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical protection for the conductors while reducing Electro-Magnetic field exposure, Rigid steel conduits are Non propagating therefore offering greater protection of cables in case of fires.

### Advantages of using WMIS Rigid Steel Conduits

- (jj) Better corrosion resistance.
- (kk) Greater resistance to mechanical or electrical damage.
- (ll) Stronger mechanical support.
- Better protection under exposure from the sun, cyclones, rain and wind.
- Greater protection against fires
- Better dissipation of heat.
- Non propagating material therefore greater protection of cables in case of fires.

### Suppliers Description and physical characteristics of the conduit are summarized as follows:

- (ee) The Conduit is produced as tube from Cold-Formed Structural Steel Hollow Sections steel strip.
- (ff) Both sides of the feed strip for tube are coated with electro deposited zinc.
- (gg) The strip is mechanically cleaned and descaled prior to electro coating with zinc.
- (hh) Steel is processed in accordance with AS1074.
- (ii) Steel conforms to AS1163 350LO.
- (jj) Zinc coating conforms to AS4750-2000 and a clear water based polymer coating called Clear-Tec to the external surface of ALLGAL which provides additional shelf life protection. Total coating thickness of ALLGAL plus CLEAR-TEC is 11 microns.

Conduits are produced in wall thickness that meet or exceed those specified, providing suitability for use in AS2053.7 conforming Electrical Conduits.

All listed sizes are suitable for use with Non threaded type couplings, roll-groove type couplings, and fittings of suitable diameter. Additionally, they are suitable for joining by shouldered end coupling, or by appropriate screw threading techniques, or butt welding.

## WMIS Data Sheet for 80NB Heavy Duty Rigid Conduit.

WMIS tube listed is manufactured by cold forming and electric resistance welding and is tested to the following Australian standards. Hollow sections listed may be used for structural purposes and have been manufactured to meet:

- (kk) AS1163-1991 Structural Steel hollow sections.
- (ll) AS1074-1989 Steel Tubes and Tubulars for ordinary service.
  - Steel Grade: C350LO
  - Yield strength (MPa) min: 350
  - Ultimate Tensile Strength (MPa) min: 430
  - Minimum elongation (%) where gauge length = 5.65\*

### 80mm NB Rigid ALLGAL Conduit.

- (uu) Outer Diameter: 88.9mm
- (vv) Inner Diameter: 80mm
- (ww) Wall Thickness: 4.0mm
- (xx) Manufactured to AS1074/AS1163
  - Grade: C350 LO
  - Standard Lengths: 6.5mtrs. & 3.25mtrs
  - Finish: Galvanized to AS4750
  - Threads Available: NPT or BSP Tapered.

This product is not meant for use in high pressure applications.

Storage\* It is highly recommended that Steel Conduit be stored in a dry area until used.

Application: WMIS Conduits can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical protection for the conductors while reducing Electro-Magnetic field exposure, Rigid steel conduits are Non propagating therefore offering greater protection of cables in case of fires.

### Advantages of using WMIS Rigid Steel Conduits

- (mm) Better corrosion resistance.
- (nn) Greater resistance to mechanical or electrical damage.
- (oo) Stronger mechanical support.
- (pp) Better protection under exposure from the sun, cyclones, rain and wind.
- (qq) Greater protection against fires
- (rr) Better dissipation of heat.
- (ss) Non propagating material therefore greater protection of cables in case of fires.

### Suppliers Description and physical characteristics of the conduit are summarized as follows:

- (kk) The Conduit is produced as tube from Cold-Formed Structural Steel Hollow Sections steel strip.
- (ll) Both sides of the feed strip for tube are coated with electro deposited zinc.
  - The strip is mechanically cleaned and descaled prior to electro coating with zinc.
  - Steel is processed in accordance with AS1074.
  - Steel conforms to AS1163 350LO.
  - Zinc coating conforms to AS4750-2000 and a clear water based polymer coating called Clear-Tec to the external surface of ALLGAL which provides additional shelf life protection. Total coating thickness of ALLGAL plus CLEAR-TEC is 11 microns.

Conduits are produced in wall thickness that meet or exceed those specified, providing suitability for use in AS2053.7 conforming Electrical Conduits.

All listed sizes are suitable for use with Non threaded type couplings, roll-groove type couplings, and fittings of suitable diameter. Additionally, they are suitable for joining by shouldered end coupling, or by appropriate screw threading techniques, or butt welding.

## WMIS Data Sheet for 100NB Heavy Duty Rigid Conduit.

WMIS tube listed is manufactured by cold forming and electric resistance welding and is tested to the following Australian standards. Hollow sections listed may be used for structural purposes and have been manufactured to meet:

- (mm) AS1163-1991 Structural Steel hollow sections.
- (nn) AS1074-1989 Steel Tubes and Tubulars for ordinary service.
- (oo) Steel Grade: C350LO
- (pp) Yield strength (MPa) min: 350
- (qq) Ultimate Tensile Strength (MPa) min: 430
- (rr) Minimum elongation (%) where gauge length = 5.65\*

### 100mm NB Rigid ALLGAL Conduit.

Outer Diameter: 114.0 mm  
 Wall Thickness: 4.5mm  
 Manufactured to AS1074/AS1163  
 Grade: C350 LO  
 Standard Lengths: 6.5mtrs. & 3.25mtrs  
 Finish: Galvanized to AS4750  
 Threads Available: NPT or BSP Tapered.

This product is not meant for use in high pressure applications.

Storage\* It is highly recommended that Steel Conduit be stored in a dry area until used.

Application: WMIS Conduits can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical protection for the conductors while reducing Electro-Magnetic field exposure, Rigid steel conduits are Non propagating therefore offering greater protection of cables in case of fires.

### Advantages of using WMIS Rigid Steel Conduits

- (tt) Better corrosion resistance.
- (uu) Greater resistance to mechanical or electrical damage.
- (vv) Stronger mechanical support.  
 Better protection under exposure from the sun, cyclones, rain and wind.  
 Greater protection against fires  
 Better dissipation of heat.  
 Non propagating material therefore greater protection of cables in case of fires.

### Suppliers Description and physical characteristics of the conduit are summarized as follows:

- (mm) The Conduit is produced as tube from Cold-Formed Structural Steel Hollow Sections steel strip.
- (nn) Both sides of the feed strip for tube are coated with electro deposited zinc.
- (oo) The strip is mechanically cleaned and descaled prior to electro coating with zinc.
- (pp) Steel is processed in accordance with AS1074.
- (qq) Steel conforms to AS1163 350LO.
- (rr) Zinc coating conforms to AS4750-2000 and a clear water based polymer coating called Clear-Tec to the external surface of ALLGAL which provides additional shelf life protection. Total coating thickness of ALLGAL plus CLEAR-TEC is 11 microns.

Conduits are produced in wall thickness that meet or exceed those specified, providing suitability for use in AS2053.7 conforming Electrical Conduits.

All listed sizes are suitable for use with Non threaded type couplings, roll-groove type couplings, and fittings of suitable diameter.

Additionally, they are suitable for joining by shouldered end coupling, or by appropriate screw threading techniques, or butt welding.



## *Contractors Guide:*

### IP Ratings and technical Data Guide.

#### IP60

1st digit - protection against solid objects

0	No protection
1	Protected against objects greater than 50mm
2	Protected against objects greater than 12mm
3	Protected against objects greater than 2.5mm
4	Protected against objects greater than 1.0mm
5	Ingress of dust is not totally prevented but dust does not enter in harmful quantities.
6	No ingress of dust

#### IP60

2nd digit - protection against water

0	No protection
1	Protected against falling drops
2	Protected against drops falling at 15 deg
3	Low pressure spray - similar to shower head at up to 60 deg from vertical
4	Low pressure spray - similar to shower head from any angle
5	Medium pressure jet - similar to garden hose - from any angle
6	High pressure jet - similar to fire hose - from any angle
7	Submersion at 1 metre for 30 minutes
8	Higher water pressure eg: 5 bar for 5 hours.
9	Steam clean, high pressure high temperature jet wash to DIN40050

## **WMIS products have been used on the following projects:**

Sydney Harbour Tunnel	Sydney, NSW	<i>(Locfit Conduit)</i>
Riparian Plaza	Brisbane, QLD	<i>(Locfit Conduit)</i>
Amtcor Bottling Plant	Gawler, SA	<i>(Locfit Conduit)</i>
Sydney Opera House	Sydney, NSW	<i>(Powdercoated Conduit)</i>
Baxter Detention Centre	Port Augusta, SA	<i>(Locfit Conduit)</i>
City Link Project	Melbourne, VIC	<i>(Locfit &amp; Screwed Conduit)</i>
Holden Motor Company	Elizabeth, SA	<i>(Locfit &amp; Screwed Conduit)</i>
Holden Motor Company	Fishermans Bend, VIC	<i>(Locfit Conduit)</i>
Southern Expressway	Adelaide, SA	<i>(Locfit Conduit)</i>
Mitsubishi Motors	Clovelly Park, SA	<i>(Locfit &amp; Screwed Conduit)</i>
North West Shelf	Karratha, WA	<i>(Screwed Conduit)</i>
Roxby Downs	Roxby Downs, SA	<i>(Stainless Steel Conduit)</i>
Moomba Gas Field	Moomba, SA	<i>(Screwed Conduit)</i>
Stadium Australia	Homebush, NSW	<i>(Screwed Conduit)</i>
State Rail Sec/Upgrade	Sydney, NSW	<i>(Screwed Conduit)</i>
Lucas Heights	Sydney, NSW	<i>(Screwed Conduit)</i>
Cadia Mine	Newcastle, NSW	<i>(Locfit Conduit)</i>
Tindal Air Base	Darwin, NT	<i>(Screwed Conduit)</i>
The US Embassy	Canberra, ACT	<i>(Locfit Conduit)</i>
Cadbury's	Hobart, TAS	<i>(Screwed Conduit)</i>
Prominent Hill Mine	Prominent Hill, SA	<i>(Screwed Conduit)</i>
Honeymoon Mine	Broken Hill, NSW	<i>(Screwed Conduit &amp; Water Pipe)</i>
BHP / Bechtel	Bunbury, WA	<i>(Screwed Conduit)</i>
Barrow Island	Barrow Island, WA	<i>(Stainless Steel Conduit)(Locfit)</i>
Bechtel LNG	Gladstone, QLD	<i>(Rigid NB Steel Conduit)</i>
Darwin Jail	Darwin, NT	<i>(Screwed &amp; Locfit Conduit)</i>
Solomon Island Detention Centre	Solomon Island	<i>(Screwed Conduit)</i>

**WMIS Exports to Japan, Singapore, Papua New Guinea, South Africa, New Zealand, Malaysia & Indonesia**