



RESEARCH AND DEVELOPMENT DEPARTMENT  
ELECTRICAL EQUIPMENT TESTING DIVISION  
GENERAL EQUIPMENT TESTING SECTION  
256 Nakhonchalsri Road Thanon Nakhonchalsri, Dusit Bangkok 10300  
Tel. 0-2242-5402, 0-2242-5405 Fax. 0-2242-5125

TEST REPORT GT. NO. 1076 / 2548

Electrical Metallic Tubing (EMT) ELBOW 90°

ท่อโค้งเหล็กกล้าเคลือบสังกะสี สำหรับใช้ร้อยสายไฟฟ้าประเภทที่ 1  
ห้างหุ้นส่วนจำกัด รุ่งรัชชแสงการไฟฟ้า  
เครื่องหมายผลิตภัณฑ์ : ABSO



Certified By.....  
(Mr.Somchai Roadrongsasinkul)  
Director of Electrical Equipment Testing Division  
Research and Development Department

GT No 1076/2548

Page No. 1/3

The test result does not concern any electrical system energization. The result in this Test Report relates only to the item tested, and does not certify the quality of any products having same brand or trade mark sold in the market. This Test Report shall not be used for advertisement and shall not be reproduced except in full, without the written approved of the testing laboratory.

FM-TEC-09-04 แก้ไขครั้งที่ 01 เริ่มใช้วันที่ 23 มกราคม 2546

มอก.17625-2543



RESEARCH AND DEVELOPMENT DEPARTMENT  
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256 Nakhonchaisri Road Thanon Nakhonchaisri, Dusit Bangkok 10300  
Tel. 0-2242-5402, 0-2242-5405 Fax. 0-2242-5125

**TEST REPORT**

**Customer** : Rung Jaras Sang Electric Ltd.,Part.  
63 Jaras Muang Rd., Patumwan Bangkok Thailand 10330

**Referred to** : RJS - MEA 014/2548 ลงวันที่ 22 พฤษภาคม 2548  
(TSR 1076/48 ลงวันที่ 2 สิงหาคม 2548)

**Test Specimen** : ท่อโค้งเหล็กกล้าเคลือบสังกะสี สำหรับใช้ร้อยสายไฟฟ้าประเภทที่ 1  
Electrical Metallic Tubing (EMT) ELBOW 90°

**Manufacturer** : Rung Jaras Sang Electric Ltd.,Part.

**Supplier** : Rung Jaras Sang Electric Ltd.,Part.

**Characterization and Condition**  
: The samples were visually inspected and found in good condition before test.

**Sample Quantity** : 6 Samples

**Date of receipt** : June 01, 2005

**Date of test** : August 02, 2005

**Reference Standard** : TIS.770-2533 Standard for Zinc Coated Steel Conduits for Electrical Wiring

**Clause of Test** : 1.Dimension Checked  
2.Galvanized Test

**Test Result** : As shown in the next page

Checked By .....

(Mr.Satapana Onchantr)

Electrical Engineer

Date ..... 18 AUG 2005

Verified By .....

(Mr. Chairatana Suppavatee)

Chief of General Equipment Testing Section

Date ..... 18 AUG 2005

GT No 1076/2548

Page No. 2/3

The test result does not concern any electrical system organization. The result in this Test Report relates only to the item tested, and does not certify the quality of any product having a name, trade mark or trade mark sold in the market. This Test Report shall not be used for advertisement and shall not be reproduced in full, without the written approved of the testing laboratory.

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มอก.17025-2543



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ELECTRICAL EQUIPMENT TESTING DIVISION  
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256 Nakhonchaisri Road Thanon Nakhonchaisri, Dusit Bangkok 10500  
Tel. 0-2242-5402, 0-2242-5405 Fax. 0-2242-5125

TEST REPORT

Subject : Electrical Metallic Tubing (EMT) ELBOW 90°  
Standard size : Dia 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2"  
Standard Material :  Mild steel  Cast Iron  
Galvanize Finished :  Electro galvanized  Hot Dip galvanized  
Trade mark : ABSO  
Applicable standard : TIS.770-2533

1. Dimension Checked of EMT ELBOW. 90°

Trade size of tubing		Outside Diameter	Wall Thickness	Minimum Radius (mm.)		Minimum straight length (mm.)		Zinc Coating Thickness (Micron)		Weight per piece (Kg.)	
mm.	Inch.	mm.	mm.	Spec.	Inspect	Spec.	Inspect	Spec.	Inspect	Spec.	Inspect
15	1/2"	17.93	1.07	102	110	38	60	20	42	-	0.130
20	3/4"	23.43	1.25	114	140	38	72.6	20	47	-	0.228
25	1"	29.54	1.45	146	154	48	90	20	35	-	0.384
32	1-1/4"	38.35	1.65	184	185	51	110	20	28	-	0.634
40	1-1/2"	44.20	1.65	210	210	51	100	20	29	-	0.82
50	2"	55.80	1.65	241	245	51	130	20	25	-	1.280

Test / Supervised By : 

( Mr.Somkid Srimek )

Electrical Equipment Tester Technic 7

Date : 1.8 AUG. 2005

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พทท.17025-2543



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Tel. 0-2242-5402, 0-2242-5405 Fax. 0-2242-5125

**TEST REPORT GT. NO. 1143 / 2548**

**Intermediate Metal Conduit (IMC) ELBOW 90 °**

ท่อโค้งเหล็กกล้าเคลือบสังกะสี สำหรับใช้ร้อยสายไฟฟ้าประเภทที่ 2

ห้างหุ้นส่วนจำกัด รุ่งจรัสแสงการไฟฟ้า

เครื่องหมายผลิตภัณฑ์ : ABSO



Certified By.....  
(Mr.Somchai Roongwasinkul)  
Director of Electrical Equipment Testing Division  
Research and Development Department

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ELECTRICAL EQUIPMENT TESTING DIVISION  
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256 Nakhonchai Sri Road Thanon Nakhonchai Sri, Dusit Bangkok 10300  
(tel. 0-2242-5402, 0-2242-5405 Fax. 0-2242-5125)

TEST REPORT

Customer : Rung Jaras Sang Electric Ltd.,Part.  
63 Jaras Muang Rd., Patumwan Bangkok Thailand 10330  
Referred to : RJS 013/2548 ลงวันที่ 22 พฤษภาคม 2548  
(TSR 0000/48 ลงวันที่ 2 สิงหาคม 2548)  
Test Specimen : ท่อโค้งเหล็กกล้าเคลือบสังกะสี สำหรับใช้ร้อยสายไฟฟ้าประเภทที่ 2  
Intermediate Metal Conduit (IMC) ELBOW 90°  
Manufacturer : Rung Jaras Sang Electric Ltd.,Part.  
Supplier : Rung Jaras Sang Electric Ltd.,Part.  
Characterization and Condition : The samples were visually inspected and found in good condition before test.  
Sample Quantity : 10 Sample.  
Date of receipt : June 01, 2005  
Date of test : August 11, 2005  
Reference Standard : TIS.770-2533 Standard for Zinc Coated Steel Conduits for Electrical Wiring  
Clause of Test : 1.Dimension Checked  
2.Galvanized Test  
Test Result : As shown in the next page

Checked By .....

(Mr.Satapana Onchantr)

Electrical Engineer

Date ..... 8 NOV 2005 .....

Verified By .....

(Mr. Chairatana Suppavatee)

Chief of General Equipment Testing Section

Date ..... - 8 NOV 2005 .....

GT No 1143/2548

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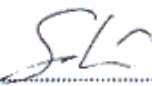
RESEARCH AND DEVELOPMENT DEPARTMENT  
ELECTRICAL EQUIPMENT TESTING DIVISION  
GENERAL EQUIPMENT TESTING SECTION  
256 Nakhonchai Road Thanon Nakhonchai, Dusit Bangkok 10300  
Tel. 0-2242-5402, 0-2242-5405 Fax. 0-2242-5125

TEST REPORT

Subject : Intermediate Metal Conduit (IMC) ELBOW 90°  
Standard size : Dia ½" - 4"  
Standard Material :  Mild steel  Cast Iron  
Galvanize Finished :  Electro galvanized  Hot Dip galvanized  
Trade mark : ABSO  
Applicable standard : TIS.770-2533

1. Dimension Checked of RSC. ELBOW. 90°

Trade size of tubing		Outside Diameter	Wall Thickness	Minimum Radius (mm.)		Minimum straight length (mm.)		Zinc Coating Thickness (Micron)		Weight per piece (Kg.)	
mm.	Inch.	mm.	mm.	Spec.	Inspect	Spec.	Inspect	Spec.	Inspect	Spec.	Inspect
15	½"	20.70	1.85	102	120	38	70.00	20	40	-	0.250
20	¾"	26.10	2.00	114	140	38	70.00	20	35	-	0.374
25	1"	32.80	2.30	146	147	48	71.79	20	34	-	0.378
32	1-¼"	41.60	2.30	184	184	51	100.00	20	40	-	0.654
40	1-½"	47.80	1.35	210	210	51	130.00	20	33	-	1.060
50	2"	59.90	2.45	241	241	51	140.00	20	25	-	1.490
65	2 ½"	72.60	3.40	267	268	76	130.00	20	32	-	2.150
80	3"	88.30	3.40	330	330	79	170.00	20	31	-	4.000
90	3 ½"	100.90	3.40	381	381	83	180.00	20	25	-	6.200
100	4"	113.40	3.40	406	435	86	300.00	20	35	-	10.800

Test / Supervised By : 

( Mr.Somkid Srimek )

Electrical Equipment Tester Technic 7

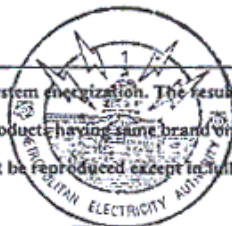
- 8 NOV 2005

Date : .....

GT No 1143/2548

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\*Standard Material : Hot - Rolled Steel Strip \*Standard Finish : Hot - Dip Galvanized

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**TEST REPORT GT. NO. 1077 / 2548**

**Rigid Steel Conduit (RSC) ELBOW 90°**

ท่อโค้งเหล็กกล้าเคลือบสังกะสี สำหรับใช้ร้อยสายไฟฟ้าประเภทที่ 3

ห้างหุ้นส่วนจำกัด รุ่งอรุณแสงการไฟฟ้า

เครื่องหมายผลิตภัณฑ์ : ABSO



Certified By.....

(Mr.Somchai Roadrongsasinkul)

Director of Electrical Equipment Testing Division  
Research and Development Department

GT No 1077/2548

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มอก.17025-2543





**TEST REPORT**

**Customer** : Rung Jaras Sang Electric Ltd.,Part.  
63 Jaras Muang Rd., Patumwan Bangkok Thailand 10330

**Referred to** : RJS 012/2548 ลงวันที่ 22 พฤษภาคม 2548  
(TSR 1077/48 ลงวันที่ 2 สิงหาคม 2548)

**Test Specimen** : ท่อโค้งเหล็กกล้าเคลือบสังกะสี สำหรับใช้ร้อยสายไฟฟ้าประเภทที่ 3  
Rigid Steel Conduit (RSC) ELBOW 90°

**Manufacturer** : Rung Jaras Sang Electric Ltd.,Part.

**Supplier** : Rung Jaras Sang Electric Ltd.,Part.

**Characterization and Condition**

: The samples were visually inspected and found in good condition before test.

**Sample Quantity** : 12 Sample.

**Date of receipt** : June 01, 2005

**Date of test** : August 02, 2005

**Reference Standard** : TIS.770-2533 Standard for Zinc Coated Steel Conduits for Electrical Wiring

**Clause of Test** : 1.Dimension Checked  
2.Galvanized Test

**Test Result** : As shown in the next page

Checked By .....  
(Mr.Satapana Onchant)  
Electrical Engineer  
Date ..... 18 AUG 2005

Verified By .....  
(Mr. Chairatana Suppavatee)  
Chief of General Equipment Testing Section  
Date ..... 18 AUG 2005

GT No 1077/2548

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256 Nakhonchalsri Road Thanon Nakhonchalsri, Dusit Bangkok 10300

Tel. 0-2242-5402, 0-2242-5405 Fax. 0-2242-5125

TEST REPORT

Subject : Rigid Steel Conduit (RSC) Elbow 90°  
Standard size : Dia ½" - 6"  
Standard Material :  Mild steel  Cast Iron  
Galvanize Finished :  Electro galvanized  Hot Dip galvanized  
Trade mark : ABSO  
Applicable standard : TIS.770-2533

1. Dimension Checked of RSC. ELBOW. 90°

Trade size of tubing		Outside Diameter	Wall Thickness	Minimum Radius (mm.)		Minimum straight length (mm.)		Zinc Coating Thickness (Micron)		Weight per piece (Kg.)	
mm.	Inch.	mm.	mm.	Spec.	Inspect	Spec.	Inspect	Spec.	Inspect	Spec.	Inspect
15	½"	21.30	2.60	102	140	38	44.59	20	80	-	0.330
20	¾"	26.70	2.70	114	130	38	45.30	20	100	-	0.450
25	1"	33.40	3.20	146	178	48	49.50	20	70	-	0.890
32	1-¼"	42.20	3.40	184	210	51	58.79	20	60	-	1.200
40	1-½"	48.30	3.50	210	240	51	68.81	20	80	-	1.600
50	2"	60.30	3.70	241	270	51	98.65	20	70	-	3.000
65	2 ½"	73.00	4.90	267	330	76	124.70	20	60	-	6.000
80	3"	88.90	5.20	330	400	79	114.00	20	80	-	8.000
90	3 ½"	101.60	5.50	381	450	83	114.00	20	80	-	10.000
100	4"	114.30	5.70	406	490	86	110.00	20	100	-	14.500
125	5"	141.30	6.20	-	710	-	186.00	20	80	-	26.800
150	6"	168.30	6.80	-	890	-	366.00	20	90	-	47.800

Test / Supervised By : S.L.D.

( Mr.Somkid Srimek )

Electrical Equipment Tester Technic 7

Date : 18 AUG 2005

GT No 1077/2548

Page No. 3/3

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เลขที่.17025-2543