Smartube

A Product of Southern Pipe & Southern Steel Pipe Sdn. Bhd.

THE COLOURED GALVANISED STEEL CONDUIT TUBE

Smartube, Your Smarter Choice!



Revision dated 19th Sep 2024

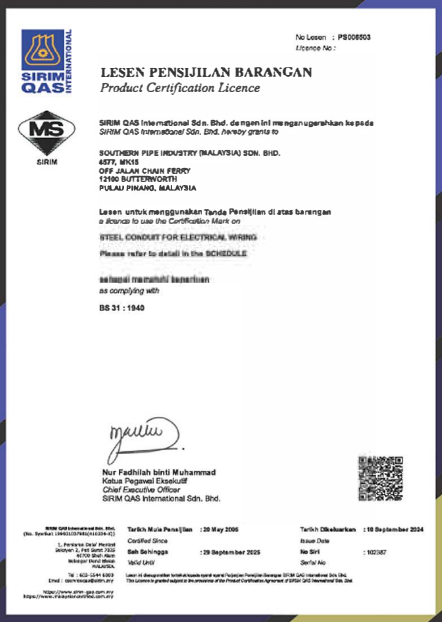
LEADING THE STEEL PIPE INDUSTRY



SOUTHERN STEEL PIPE SDN. BHD. can trace its roots back to 1967 with the establishment of its parent company Southern Pipe Industry (Malaysia) Sdn. Bhd. which was founded as a joint-venture between Malaysia and Japan.

Today, the pipe group consists of two steel pipe factories in Malaysia, with a combine annual sales revenue of over USD100 million and an annual capacity that exceeds 200,000mt.

The many certifications garnered through the years are testament to the companies' steadfast commitment in providing only the best products & services. Among others , it has the distinction of being the first steel mill in the country to be awarded the ISO 9001 :2000 certification. The group's product lines were being exported to countries all over the world.



LESEN PENSIJILAN BARANGAN
Product Certification Licence

No Lesen : PS006503
Licence No :

SIRIM QAS International Sdn. Bhd. dengan ini mengurniakan kepada
SIRIM QAS International Sdn. Bhd. hereby grants to

SOUTHERN PIPE INDUSTRY (MALAYSIA) SDN. BHD.
4577, MK15
OFF JALAN CHAIN FERRY
12100 BUTTERWORTH
PULAU PINANG, MALAYSIA

Lesen untuk menggunakan Tanda Pensijilan di atas barangan
a licence to use the Certification Mark on

STEEL CONDUIT FOR ELECTRICAL WIRING

Please refer to detail in the SCHEDULE

selaras memenuhi keperluan
as complying with

BS 31 : 1940

Nur Fadhilah binti Muhammad
Ketua Pegawai Eksekutif
Chief Executive Officer
SIRIM QAS International Sdn. Bhd.

Tarikh Mula Pensijilan : 20 May 2006
Certified Since
Sah Sehingga : 29 September 2025
Valid Until
Tarikh Dikeluarkan : 19 September 2024
Issue Date
No Siri : 102387
Serial No

BS 31:1940 Certificate from SIRIM QAS



CERTIFICATE

SIRIM QAS International hereby certifies that

SOUTHERN PIPE INDUSTRY (MALAYSIA) SDN. BHD.
(INCLUDING SOUTHERN STEEL PIPE SDN. BHD.)
4577, MK 15, OFF JALAN CHAIN FERRY
12100 BUTTERWORTH
PULAU PINANG
MALAYSIA

has implemented a Quality Management System complying with

ISO 9001 : 2015
QUALITY MANAGEMENT SYSTEMS – Requirements

Scope of Certification

1) MANUFACTURE OF STEEL PIPES AND RELATED PRODUCTS SUCH AS GALVANISED PIPES, ELECTRICAL CONDUIT PIPES, LIP CHANNEL, C-PURLIN, SQUARE AND RECTANGULAR HOLLOW SECTIONS.
2) PRO
SER

Issue date : 07 August 2023
Original certification date : 20 September 1994
Expiry date : 19 September 2026
Certificate no. : QMS 40215

Nur Fadhilah binti Muhammad
Chief Executive Officer
SIRIM QAS International Sdn. Bhd.

ISO 9001:2015 Certificate from SIRIM QAS

CERTIFICATES



No Lesen : PC001701
Licence No.:

LESEN PENSIJILAN BARANGAN
Product Certification Licence

SIRIM QAS International Sdn. Bhd. dengan ini menganugerahkan kepada
SIRIM QAS International Sdn. Bhd. hereby grants to

SOUTHERN PIPE INDUSTRY (MALAYSIA) SDN. BHD.
4577, MK15
OFF JALAN CHAIN FERRY
12100 BUTTERWORTH
PULAU PINANG, MALAYSIA

Lesen untuk menggunakan Tanda Pensijilan di atas barangan
a licence to use the Certification Mark on

RIGID STEEL CONDUIT FOR CABLE MANAGEMENT

Please refer to detail in the SCHEDULE

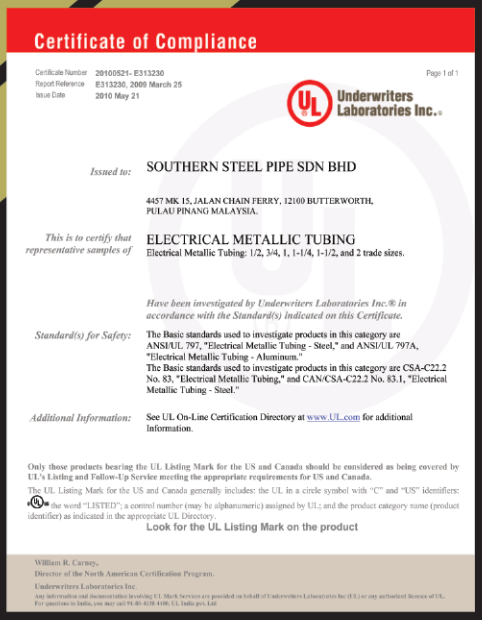
sebagai mematuhi keperluan
as complying with

MS 61386-21 : 2010

Nur Fadhilah binti Muhammad
Ketua Pegawai Eksekutif
Chief Executive Officer
SIRIM QAS International Sdn. Bhd.

Tarikh Mula Pensijilan	: 24 April 2015	Tarikh Dikeluarkan	: 01 August 2024
Certified Since		*Issue Date*	
Sah Sehingga	: 29 September 2025	No Siri	: 100044
Valid Until		*Serial No*	

MS IEC 61386-21:2010 Certificate from SIRIM QAS



Certificate of Compliance

Certificate Number 20100521- E313230
Report Reference E313230, 2009 March 25
Issue Date 2010 May 21

Page 1 of 1

Underwriters Laboratories Inc.®

Issued to: SOUTHERN STEEL PIPE SDN BHD

4457 MK 15, JALAN CHAIN FERRY, 12100 BUTTERWORTH,
PULAU PINANG MALAYSIA.

This is to certify that representative samples of ELECTRICAL METALLIC TUBING
Electrical Metallic Tubing: 1/2, 3/4, 1, 1-1/4, 1-1/2, and 2 trade sizes.

Have been investigated by Underwriters Laboratories Inc.® in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: The Basic standards used to investigate products in this category are ANSI/UL 797, "Electrical Metallic Tubing - Steel," and ANSI/UL 797A, "Electrical Metallic Tubing - Aluminum."
The Basic standards used to investigate products in this category are CSA-C22.2 No. 83, "Electrical Metallic Tubing," and CAN/CSA-C22.2 No. 83.1, "Electrical Metallic Tubing - Steel."

Additional Information: See UL On-Line Certification Directory at www.UL.com for additional information.

Only those products bearing the UL Listing Mark for the US and Canada should be considered as being covered by UL's Listing and Follow-Up Service meeting the appropriate requirements for US and Canada.

The UL Listing Mark for the US and Canada generally includes: the UL in a circle symbol with "C" and "US" identifiers: the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product

William R. Carney,
Director of the North American Certification Program.
Underwriters Laboratories Inc.

EMT Certificate from UL



SIRIM QAS INTERNATIONAL

CERTIFICATE

SIRIM QAS International hereby certifies that

SOUTHERN PIPE INDUSTRY (MALAYSIA) SDN. BHD.
(INCLUDING SOUTHERN STEEL PIPE SDN. BHD.)
3081, MK 11
MAIN ROAD NIBONG TEBAL
14300 SEBERANG PRAI SELATAN
PULAU PINANG
MALAYSIA

has implemented a Quality Management System complying with

ISO 9001 : 2015
QUALITY MANAGEMENT SYSTEMS – Requirements

Scope of Certification

1) MANUFACTURE OF STEEL PIPES AND RELATED PRODUCTS SUCH AS GALVANISED PIPES, ELECTRICAL CONDUIT PIPES, LIP CHANNEL, C-PURLIN, SQUARE AND RECTANGULAR HOLLOW SECTIONS.
2) PROVISION OF HOT-DIP GALVANISING AND TUBING SERVICES.

Certification structure = Multi-site
The validity of this certificate depends on the validity of the main site certificate.

Issue date	:	07 August 2023
Original certification date	:	20 September 1994
Expiry date	:	19 September 2026
Certificate no.	:	QMS 00215-S1

Nur Fadhilah binti Muhammad
Chief Executive Officer
SIRIM QAS International Sdn. Bhd.

ISO 9001:2015 Certificate from SIRIM QAS



No. Sijil : EE01110123/05/03 Rujukan : (17) dlm. JKR(PM5/1/4-18 Jld.2

CAWANGAN KEJURUTERAAN ELEKTRIK
JABATAN KERJA RAYA MALAYSIA

SIJIL EMAL

Sijil Pendaftaran Bahan/Barangan Elektrik (Electrical Material Approved List) ini dikeluarkan kepada pengilang/pembekal :

Syarikat : SOUTHERN PIPE INDUSTRY(M) SDN. BHD.
Alamat : 4577, MK15, OFF JALAN CHAIN FERRY, 12100 BUTTERWORTH, PULAU PINANG
Bahan : GALVANISED STEEL CONDUIT

Pendaftaran ini adalah seperti butiran di bawah dan tertakluk kepada Spesifikasi JKR dan syarat-syarat di muka surat 2. Sijil ini hendaklah dibaca bersama Lampiran (1 muka surat).

Pengilang	: SOUTHERN PIPE INDUSTRY(M) SDN. BHD.
Negara Pengilang	: MALAYSIA
Jenama	: SMARTUBE
Model	: i) 20 mm X 3.81 mm DAN SEPERTI LAMPIRAN
No. Perakuan ST/No. Sijil/ Laporan Ujian Jenis	: LESEN PENSIJILAN SIRIM : PC001701 LAPORAN UJIAN SIRIM : 2020CED0233, 2020EAD0027, 2020PB0181, DAN 2020EAD0027-S1
Tarikh Tamat	: 15.06.2025
Rujukan Standard	: MS 61386-21:2010
Ceteton	: i) MATERIAL : GALVANIZED STEEL ii) RESISTANCE TO COMPRESSION: 4 (HEAVY COMPRESSION STRENGTH) DAN SEPERTI LAMPIRAN

Tarikh dikeluarkan/diperbaharui : 18 Mei 2023

Ir. HUSIN BIN MUSTAFA
Pengarah Perunding Rekabentuk
b.p Pengarah Kanan
Cawangan Kejuruteraan Elektrik
Ibu Pejabat JKR Malaysia

MS61386-21:2010 Certificate from JKR



Certificate of Compliance

Certificate Number 20090716-E256245
Report Reference E256245, 2005 October 14
Issue Date 2009 July 21

Page 1 of 1

Underwriters Laboratories Inc.®

Issued to: SOUTHERN STEEL PIPE SDN BHD

4457 MK 15, JALAN CHAIN FERRY, 12100 BUTTERWORTH,
PULAU PINANG MALAYSIA.

This is to certify that representative samples of Intermediate Ferrous Metal Conduit
Intermediate ferrous metal conduit, trade sizes 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 3-1/2 and 4.

Have been investigated by Underwriters Laboratories Inc.® in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: The basic standard used to investigate products in this category is ANSI/UL 1242, "Electrical Intermediate Metal Conduit - Steel."

Additional Information: Trademark and/or Tradename: "Smartube"

Look for the UL Listing Mark on the product

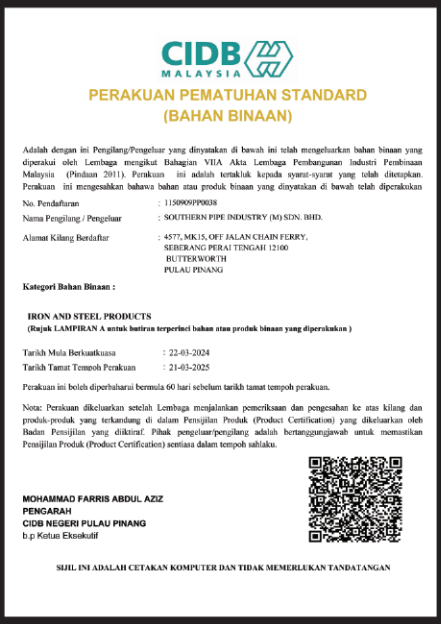
Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Issued by: *Vidya Bhat* — Vidya Bhat, Customer Service Professional.
UL India Pvt. Ltd

Reviewed by: *Richard Fendreyh* — Richard Fendreyh, Staff Engineer
Underwriters Laboratories Inc.

IMC Certificate from UL



CIDB MALAYSIA

PERAKUAN PEMATUHAN STANDARD
(BAHAN BINAAN)

Adalah dengan ini Pengilang/Pengeluar yang dinyatakan di bawah ini telah mengeluarkan bahan binaan yang diperakui oleh Lembaga mengikut Bahagian VIIA Akta Lembaga Pembangunan Industri Pembinaan Malaysia (Pindaan 2011). Perakuan ini adalah tertakluk kepada syarat-syarat yang telah ditetapkan. Perakuan ini mengesahkan bahawa bahan atau produk binaan yang dinyatakan di bawah telah diperakukan

No. Pendaftaran : 1150909PP0038
Nama Pengilang / Pengeluar : SOUTHERN PIPE INDUSTRY (M) SDN. BHD.
Alamat Kilang Berdaftar : 4577, MK15, OFF JALAN CHAIN FERRY, SEBERANG PERAI TENGAH 12100 BUTTERWORTH PULAU PINANG

Kategori Bahan Binaan :

IRON AND STEEL PRODUCTS
(Rujuk LAMPIRAN A untuk butiran terperinci bahan atau produk binaan yang diperakukan)

Tarikh Mula Berkuatkuasa : 22-03-2024
Tarikh Tamat Tempoh Perakuan : 21-03-2025

Perakuan ini boleh diperbaharui bernsula 60 hari sebelum tarikh tamat tempoh perakuan.

Nota: Perakuan dikeluarkan setelah Lembaga menjalankan pemeriksaan dan pengesahan ke atas kilang dan produk-produk yang terkandung di dalam Pensijilan Produk (Product Certification) yang dikeluarkan oleh Badan Pensijilan yang diiktiraf. Pihak pengeluar/pengilang adalah bertanggungjawab untuk memastikan Pensijilan Produk (Product Certification) sentiasa dalam tempoh sahlaku.

MOHAMMAD FARRIS ABDUL AZIZ
PENGARAH
CIDB NEGERI PULAU PINANG
b.p Ketua Eksekutif

SIHL INI ADALAH CETAKAN KOMPUTER DAN TIDAK MEMERLUKAN TANDATANGAN

MS61386-21:2010 Certificate from CIDB

SMARTUBE CONDUIT

(In-line hot-dip galvanized conduit)

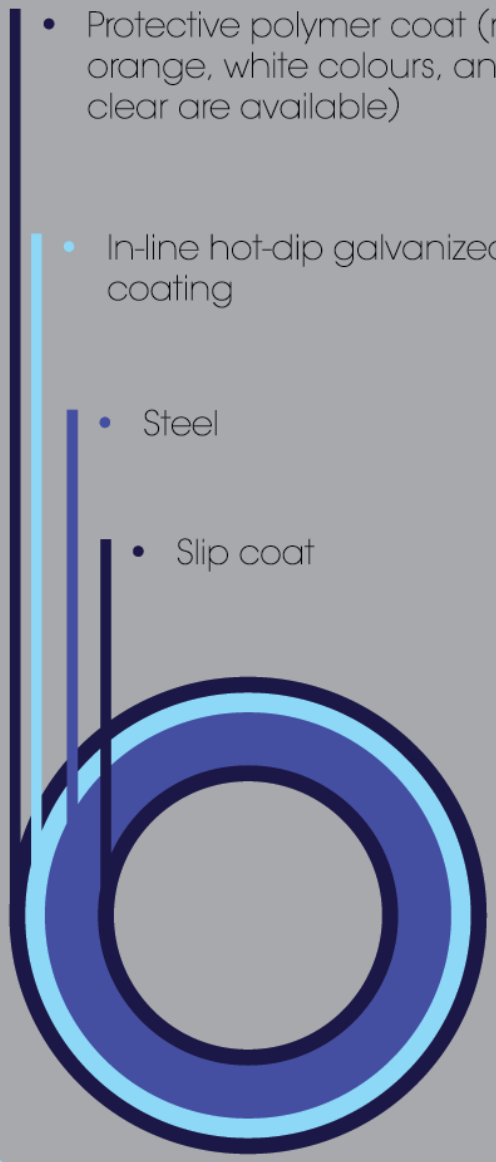
Utilising the latest, state-of-the-art in-line hot-dip galvanizing process, Smartube offer top notch galvanised and coloured finishes. Smartube is easy to bend simultaneously providing a smooth wire-pulling feature.

FEATURES

(1) Easy wire pushing and pulling
The slip coat on the inside wall makes wire-pulling easy, and protects against damages.

(2) Advantages of colour conduits
- Saves time
- High quality finishing
- Save cost

CROSS-SECTIONAL VIEW OF SMARTUBE CONDUIT



COLOUR OPTIONS & APPLICATIONS FOR SMARTUBE CONDUIT

(In-line hot-dip galvanized conduit)

COLOURS



SMARTUBE RED

- Fire alarm & security system



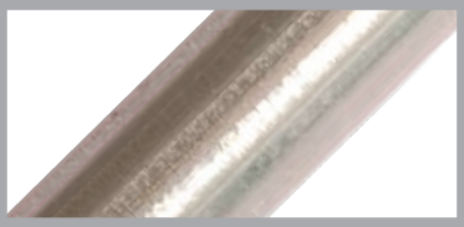
SMARTUBE ORANGE

- Lighting & fibre optic system
- General system for machineries



SMARTUBE WHITE

- Blends well in light coloured areas
- PA System & IT System



SMARTUBE CLEAR

- Standard for conventional applications

STANDARD & SPECIFICATIONS

Smartube conduit is manufactured conforming to the following standards:

- UL 797 (EMT)
- UL 1242 (IMC)
- BS 31
- BS 4568 / MS IEC 61386

EMT - ELECTRICAL METALLIC TUBING
UL797 UL LISTED FILE NO. E313230

Trade Size Designator		Nominal Outside Diameter		Nominal Wall Thickness		Unit Length		Nominal Weight	Nominal Wt. Per 100 Ft. (30.5M)		Quantity In	
											Primary Bundle	Master Bundle
in.	mm	in.	mm	in.	mm	m	ft	kg/pc	lb.	kg.	Pcs	Pcs
½	16	0.706	17.9	0.042	1.07	3.050	10	1.46	32.19	14.60	10	700
¾	21	0.922	23.4	0.049	1.25	3.050	10	2.21	48.72	22.10	10	500
1	27	1.163	29.5	0.057	1.45	3.050	10	3.08	67.90	30.80	10	300
1-1/4	35	1.510	38.4	0.065	1.65	3.050	10	4.74	104.50	47.40	5	200
1-1/2	41	1.740	44.2	0.065	1.65	3.050	10	5.49	121.03	54.90	5	150
2	53	2.197	55.8	0.065	1.65	3.050	10	6.99	154.10	69.90	3	120

IMC - INTERMEDIATE METAL CONDUIT
UL 1242 UL LISTED FILE NO. E255245

Trade Size Designator		Nominal Outside Diameter		Minimum Wall Thickness		Length Without Coupling			Nominal Weight	Nominal Wt. Per 100 Ft. (30.5M)		Quantity In	
												Primary Bundle	Master Bundle
in.	mm	in.	mm	in.	mm	m	ft	and in.	kg/pc	lb.	kg.	Pcs	Pcs
½	16	0.815	20.7	0.070	1.79	3.030	9	11-1/4	2.81	62.00	28.10	10	350
¾	21	1.029	26.1	0.075	1.90	3.030	9	11-1/4	3.81	84.00	38.10	10	250
1	27	1.290	32.8	0.085	2.16	3.025	9	11	5.40	119.00	54.00	10	170
1-1/4	35	1.638	41.6	0.085	2.16	3.025	9	11	7.17	158.00	71.70	5	135
1-1/2	41	1.883	47.8	0.090	2.29	3.025	9	11	8.80	194.00	88.00	5	110
2	53	2.360	59.9	0.095	2.41	3.025	9	11	11.61	256.00	116.10	5	80
2-1/2	63	2.857	72.6	0.140	3.56	3.010	9	10-1/2	20.00	441.00	200.00	–	37
3	78	3.476	88.3	0.140	3.56	3.010	9	10-1/2	24.63	543.00	246.30	–	30
3-1/2	91	3.971	100.9	0.140	3.56	3.005	9	10-1/4	28.53	629.00	285.30	–	24
4	103	4.466	113.4	0.140	3.56	3.005	9	10-1/4	31.75	700.00	317.50	–	24

PLAIN CONDUIT (THREAD-LESS)
STANDARD JIS C 8305

Size	OD (mm)	Nominal Wall Thickness (mm)	Length (mm)	Weight (kg/pc)	Primary Bundle (pc/bdl)	Master Bundle (pc/bdl)
E 19	19.1	1.20	3660	1.94	10	400
E 25	25.4	1.20	3660	2.62	10	250
E 31	31.8	1.40	3660	3.84	7	175
E 39	38.1	1.40	3660	4.64	5	125
E 51	50.8	1.40	3660	6.24	3	75

BS31: 1940 THREADED CONDUIT HEAVY GAUGE CLASS B

Trade Size Designator		Nominal Outside Diameter		Nominal Wall Thickness		Unit Length	Nominal Weight			Quantity In	
										Primary Bundle	Master Bundle
in.	mm	in.	mm	in.	mm	m	kg/pc	kg/m	kg/ft	Pcs	Pcs
¾	19	0.745	18.9	0.063	1.6	3.05	2.14	0.70	0.21	10	50
						3.81	2.67				
1	25	0.993	25.2	0.063	1.6	3.05	2.90	0.95	0.29	10	50
						3.81	3.62				
1-1/4	32	1.245	31.6	0.063	1.6	3.05	3.66	1.20	0.37	5	25
						3.81	4.57				
1-1/2	38	1.493	37.9	0.071	1.8	3.05	5.00	1.64	0.50	5	25
						3.81	6.25				
2	50	1.992	50.6	0.080	2.0	3.05	7.44	2.44	0.74	3	15
						3.81	9.30				

MS IEC 61386-21 : 2010 RIGID STEEL CONDUIT FOR CABLE MANAGEMENT & BS 4568 : PART 1 : 1970 THREADED CONDUIT HEAVY GAUGE

Trade Size Designator	Nominal Outside Diameter	Nominal Wall Thickness	Unit Length	Nominal Weight			Quantity In	
							Primary Bundle	Master Bundle
mm	mm	mm	m	kg/pc	kg/m	kg/ft	Bundle (Pcs)	Bundle (Pcs)
20	19.85	1.6	3.00	2.14	0.713	0.217	10	50
			3.75	2.67				
			3.81	2.72				
25	24.80	1.6	3.00	2.71	0.903	0.275	10	50
			3.75	3.39				
			3.81	3.44				
32	31.80	1.6	3.00	3.56	1.185	0.361	5	25
			3.75	4.44				
			3.81	4.51				

Note: Trade size 32mm only applicable for standard BS 4568

南達 Southern Pipe

SOUTHERN PIPE INDUSTRY (MALAYSIA) SDN BHD (7451-M)
GST Reg. No. 002039480320
4577, Mk 15, Jalan Chain Ferry,
12100 Butterworth, Penang, MALAYSIA.
Tel: +(604) 331 4060
Fax: +(604) 323 4434

Website: www.southsteel.com

To place your order, kindly call:

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