



No Lesen : PC003465

Licence No :

## LESEN PENSIJILAN BARANGAN *Product Certification Licence*



SIRIM

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

**NORWARDS INDUSTRIES SDN. BHD.**  
LOT 5191, JALAN BALAKONG  
BATU 13, TAMAN BALAKONG JAYA  
43300 BALAKONG  
SELANGOR, MALAYSIA



ACB 001

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

**DUCTILE IRON FITTINGS FOR WATER SUPPLY**

Please refer to detail in the SCHEDULE



sebagai mematuhi keperluan  
*as complying with*

**MS 1919 : 2013**

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



SIRIM QAS International Sdn. Bhd.  
(No. Syarikat 199601037981(410334-X))

1, Persiaran Dato' Menteri  
Seksyen 2, Peti Surat 7035  
40700 Shah Alam  
Selangor Darul Ehsan  
MALAYSIA.

Tel : 603-5544 6000  
Emel : [cserviceqas@sirim.my](mailto:cserviceqas@sirim.my)

<https://www.sirim-qas.com.my>  
<https://www.malaysiancertified.com.my>

**Tarikh Mula Pensijilan : 09 February 2018**

*Certified Since*

**Sah Sehingga : 31 December 2025**

*Valid Until*

**Tarikh Dikeluarkan : 29 October 2024**

*Issue Date*

**No Siri : 104194**

*Serial No*

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# SCHEDULE

**NORWARDS INDUSTRIES SDN. BHD.**



Trade Mark : NORWARDS  
 Model : ALL SOCKET TEE  
 Rating : PRESSURE RATING : PN25  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 40x40, 50x50, 60x60, 65x65, 80x40, 80x80, 100x40, 100x60, 100x80, 100x100, 125x40, 125x80, 125x100, 125x125, 150x40, 150x80, 150x100, 150x150, 200x40, 200x80, 200x100, 200x150, 200x200, 250x80, 250x100, 250x150, 250x200, 250x250, 300x100, 300x150, 300x200, 300x250 AND 300x300



Trade Mark : NORWARDS  
 Model : DOUBLE SOCKET TEE WITH FLANGED BRANCH  
 Rating : PRESSURE RATING : PN25  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 40x40, 50x50, 60x40, 60x60, 65x40, 65x65, 80x40, 80x60, 80x80, 100x40, 100x60, 100x80, 100x100, 125x40, 125x60, 125x80, 125x100, 125x125, 150x40, 150x60, 150x80, 150x100, 150x125, 150x150, 200x40, 200x60, 200x80, 200x100, 200x125, 200x150, 200x200, 250x60, 250x80, 250x100, 250x150, 250x200, 250x250, 300x60, 300x80, 300x100, 300x150, 300x200, 300x250 AND 300x300



Trade Mark : NORWARDS  
 Model : DOUBLE SOCKET TEE WITH FLANGED BRANCH  
 Rating : PRESSURE RATING : PN16  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 350x60, 350x80, 350x100, 350x150, 350x200, 350x250, 350x350, 400x80, 400x100, 400x150, 400x200, 400x250, 400x300, 400x400, 450x100, 450x150, 450x200, 450x250, 450x300, 450x400, 450x450, 500x100, 500x200, 500x400, 500x500, 600x200, 600x400 AND 600x600

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# SCHEDULE

**NORWARDS INDUSTRIES SDN. BHD.**



Trade Mark : NORWARDS  
 Model : DOUBLE SOCKET TEE WITH FLANGED BRANCH  
 Rating : PRESSURE RATING : PN10  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 700x200, 700x400, 700x700, 800x200, 800x400, 800x600, 800x800, 900x200, 900x400, 900x600, 900x900, 1000x200, 1000x400, 1000x600, 1000x1000, 1100x400, 1100x600, 1200x600, 1200x800, 1200x1000, 1400x600, 1400x800, 1400x1000, 1500x600, 1500x1000, 1600x600, 1600x800, 1600x1000, 1600x1200, 1800x600, 1800x800, 1800x1000, 1800x1200, 2000x600, 2000x1000 AND 2000x1400



ACB 001

Trade Mark : NORWARDS  
 Model : DOUBLE SOCKET TAPPER  
 Rating : PRESSURE RATING : PN25  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 50x40, 60x50, 65x50, 80x40, 80x60, 80x65, 100x60, 100x80, 125x60, 125x80, 125x100, 150x80, 150x100, 150x125, 200x100, 200x125, 200x150, 250x125, 250x150, 250x200, 300x150, 300x200 AND 300x250



Trade Mark : NORWARDS  
 Model : DOUBLE SOCKET TAPPER  
 Rating : PRESSURE RATING : PN16  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 350x200, 350x250, 350x300, 400x250, 400x300, 400x350, 450x350, 450x400, 500x350, 500x400, 600x400 AND 600x500

Trade Mark : NORWARDS  
 Model : DOUBLE SOCKET TAPPER  
 Rating : PRESSURE RATING : PN10  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 700x500, 700x600, 800x600, 800x700, 900x700, 900x800, 1000x800, 1000x900, 1100x1000, 1200x1000, 1400x1200, 1500x1400, 1600x1400, 1800x1600 AND 2000x1800

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# SCHEDULE

**NORWARDS INDUSTRIES SDN. BHD.**



Trade Mark : NORWARDS  
 Model : ALL FLANGED TEE  
 Rating : PRESSURE RATING : PN25  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 40x40, 50x50, 60x40, 60x60, 65x65, 80x40, 80x60, 80x80, 100x40, 100x60, 100x80, 100x100, 125x40, 125x60, 125x80, 125x100, 125x125, 150x40, 150x60, 150x80, 150x100, 150x125, 150x150, 200x40, 200x60, 200x80, 200x100, 200x125, 200x150, 200x200, 250x60, 250x80, 250x100, 250x150, 250x200, 250x250, 300x60, 300x80, 300x100, 300x150, 300x200, 300x250 AND 300x300



Trade Mark : NORWARDS  
 Model : ALL FLANGED TEE  
 Rating : PRESSURE RATING : PN16  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 350x60, 350x80, 350x100, 350x150, 350x200, 350x250, 350x350, 400x80, 400x100, 400x150, 400x200, 400x250, 400x300, 400x400, 450x100, 450x150, 450x200, 450x250, 450x300, 450x400, 450x450, 500x100, 500x200, 500x400, 500x500, 600x200, 600x400 AND 600x600



Trade Mark : NORWARDS  
 Model : ALL FLANGED TEE  
 Rating : PRESSURE RATING : PN10  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 700x200, 700x400, 700x700, 800x200, 800x400, 800x600, 800x800, 900x200, 900x400, 900x600, 900x900, 1000x200, 1000x400, 1000x600, 1000x1000, 1100x400, 1100x600, 1200x600, 1200x800, 1200x1000, 1400x600, 1400x800, 1400x1000, 1500x600, 1500x1000, 1600x600, 1600x800, 1600x1000, 1600x1200, 1800x600, 1800x800, 1800x1000, 1800x1200, 2000x600, 2000x1000 AND 2000x1400

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# SCHEDULE

**NORWARDS INDUSTRIES SDN. BHD.**



**SIRIM**

Trade Mark	: NORWARDS
Model	: FLANGED SOCKET, FLANGED SPIGOT, COLLAR, DOUBLE SOCKET 90° BEND, DOUBLE SOCKET 45° BEND, DOUBLE SOCKET 22.5° BEND, DOUBLE SOCKET 11.25° BEND, DOUBLE FLANGED 90° BEND, 90° DUCKFOOT BEND, DOUBLE FLANGED 45° BEND, DOUBLE FLANGED 22.5° BEND, DOUBLE FLANGED 11.25° BEND
Rating	: PRESSURE RATING : PN25
Type	: INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa) EXTERNAL COATING: BITUMEN SERIES: A
Size	: NOMINAL DIAMETER (mm): 40, 50, 60, 65, 80, 100, 125, 150, 200, 250 AND 300



ACB 001

Trade Mark	: NORWARDS
Model	: FLANGED SOCKET, FLANGED SPIGOT, COLLAR, DOUBLE SOCKET 90° BEND, DOUBLE SOCKET 45° BEND, DOUBLE SOCKET 22.5° BEND, DOUBLE SOCKET 11.25° BEND, DOUBLE FLANGED 90° BEND, 90° DUCKFOOT BEND, DOUBLE FLANGED 45° BEND, DOUBLE FLANGED 22.5° BEND AND DOUBLE FLANGED 11.25° BEND.
Rating	: PRESSURE RATING : PN16
Type	: INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa) EXTERNAL COATING: BITUMEN SERIES: A
Size	: NOMINAL DIAMETER (mm): 350, 400, 450, 500 AND 600



Trade Mark	: NORWARDS
Model	: FLANGED SOCKET, FLANGED SPIGOT, COLLAR, DOUBLE SOCKET 90° BEND, DOUBLE SOCKET 45° BEND, DOUBLE SOCKET 22.5° BEND, DOUBLE SOCKET 11.25° BEND, DOUBLE FLANGED 45° BEND, DOUBLE FLANGED 90° BEND, 90° DUCKFOOT BEND
Rating	: PRESSURE RATING : PN10
Type	: INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa) EXTERNAL COATING: BITUMEN SERIES: A
Size	: NOMINAL DIAMETER (mm): 700, 800, 900, 1000, 1100, 1200, 1400, 1500, 1600, 1800 AND 2000

Trade Mark	: NORWARDS
Model	: DOUBLE FLANGED TAPPER
Rating	: PRESSURE RATING : PN25
Type	: INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa) EXTERNAL COATING: BITUMEN SERIES: A
Size	: NOMINAL DIAMETER (mm): 50x40, 60x50, 65x50, 80x60, 80x65, 100x80, 125x100, 150x125, 200x150, 250x200, AND 300x250

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# SCHEDULE

**NORWARDS INDUSTRIES SDN. BHD.**



Trade Mark : NORWARDS  
 Model : DOUBLE FLANGED TAPPER  
 Rating : PRESSURE RATING : PN16  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 350x300, 400x300, 400x350, 450x400, 500x400 AND 600x500



Trade Mark : NORWARDS  
 Model : DOUBLE FLANGED TAPPER  
 Rating : PRESSURE RATING : PN10  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 700x600, 800x700, 900x800, 1000x900, 1100x1000, 1200x1000, 1400x1200, 1500x1400, 1600x1400, 1800x1600 AND 2000x1800



Trade Mark : NORWARDS  
 Model : BLANK FLANGED  
 Rating : PRESSURE RATING : PN10 AND PN16  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 40, 50, 60, 65, 80, 100, 125, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1500, 1600, 1800 AND 2000

Trade Mark : NORWARDS  
 Model : BLANK FLANGED  
 Rating : PRESSURE RATING : PN25 AND PN40  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 40, 50, 60, 65, 80, 100, 125, 150, 200, 250, 300, 350, 400, 450, 500 AND 600

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# SCHEDULE

**NORWARDS INDUSTRIES SDN. BHD.**



Trade Mark : NORWARDS  
 Model : ALL SOCKET TEE  
 Rating : PRESSURE RATING : PN16  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 350x80, 350x100, 350x150, 350x200, 350x250, 350x300, 350x350, 400x80, 400x100, 400x150, 400x200, 400x250, 400x300, 400x350, 400x400, 450x80, 450x100, 450x150, 450x200, 450x250, 450x300, 450x350, 450x400, 450x450, 500x80, 500x100, 500x150, 500x200, 500x250, 500x300, 500x350, 500x400, 500x450, 500x500, 600x80, 600x100, 600x150, 600x200, 600x250, 600x300, 600x350, 600x400, 600x450, 600x500, 600x600



ACB 001

Trade Mark : NORWARDS  
 Model : ALL SOCKET TEE  
 Rating : PRESSURE RATING : PN10  
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
 EXTERNAL COATING: BITUMEN SERIES: A  
 Size : NOMINAL DIAMETER (mm): 700x80, 700x100, 700x150, 700x200, 700x250, 700x300, 700x350, 700x400, 700x450, 700x500, 700x600, 700x700, 800x80, 800x100, 800x150, 800x200, 800x250, 800x300, 800x350, 800x400, 800x450, 800x500, 800x600, 800x700, 800x800, 900x80, 900x100, 900x150, 900x200, 900x250, 900x300, 900x350, 900x400, 900x450, 900x500, 900x600, 900x700, 900x800, 900x900, 1000x80, 1000x100, 1000x150, 1000x200, 1000x250, 1000x300, 1000x350, 1000x400, 1000x450, 1000x500, 1000x600, 1000x700, 1000x800, 1000x900, 1000x1000, 1100x80, 1100x100, 1100x150, 1100x200, 1100x250, 1100x300, 1100x350, 1100x400, 1100x450, 1100x500, 1100x600, 1100x700, 1100x800, 1100x900, 1100x1000, 1100x1100, 1200x80, 1200x100, 1200x150, 1200x200, 1200x250, 1200x300, 1200x350, 1200x400, 1200x450, 1200x500, 1200x600, 1200x700, 1200x800, 1200x900, 1200x1000, 1200x1100, 1200x1200, 1400x80, 1400x100, 1400x150, 1400x200, 1400x250, 1400x300, 1400x350, 1400x400, 1400x450, 1400x500, 1400x600, 1400x700, 1400x800, 1400x900, 1400x1000, 1400x1100, 1400x1200, 1400x1400, 1400x80, 1400x100, 1400x150, 1400x200, 1400x250, 1400x300, 1400x350, 1400x400, 1400x450, 1400x500, 1400x600, 1400x700, 1400x800, 1400x900, 1400x1000, 1400x1100, 1400x1200, 1400x1400, 1500x80, 1500x100, 1500x150, 1500x200, 1500x250, 1500x300, 1500x350, 1500x400, 1500x450, 1500x500, 1500x600, 1500x700, 1500x800, 1500x900, 1500x1000, 1500x1100, 1500x1200, 1500x1400, 1500x1500, 1600x200, 1600x250, 1600x300, 1600x350, 1600x400, 1600x450, 1600x500, 1600x600.



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# SCHEDULE

**NORWARDS INDUSTRIES SDN. BHD.**



Trade Mark : NORWARDS  
Model : ALL SOCKET TEE  
Rating : PRESSURE RATING : PN10  
Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)  
EXTERNAL COATING: BITUMEN SERIES: A  
Size : NOMINAL DIAMETER (mm): 1600x800, 1600x1000, 1600x1200, 1600x1400,  
1600x1600, 1800x200, 1800x250, 1800x300, 1800x350, 1800x400, 1800x450,  
1800x500, 1800x600, 1800x800, 1800x1000, 1800x1200, 1800x1400, 1800x1600,  
1800x1800, 2000x200, 2000x250, 2000x300, 2000x350, 2000x400, 2000x450,  
2000x500, 2000x600, 2000x800, 2000x1000, 2000x1200, 2000x1400, 2000x1600,  
2000x1800, 2000x2000



**Factory Name and Location :**  
**XINFENG PIPE FITTINGS CO., LTD.**  
**SME PARK**  
**XIANRENDAO ENERGY & CHEMICAL INDUSTRY ZONE**  
**115007 YINGKOU CITY**  
**LIAONING PROVINCE, CHINA**



*End of page*

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SURUHANJAYA PERKHIDMATAN AIR NEGARA

## SIJIL PERAKUAN PENDAFTARAN PEMBEKAL

(SUPPLIER REGISTRATION CERTIFICATION)

Adalah dengan ini diperakui bahawa syarikat seperti yang tercatat di bawah telah berdaftar dengan Suruhanjaya Perkhidmatan Air Negara bagi kegunaan industri perkhidmatan air di negeri -negeri Semenanjung Malaysia serta Wilayah Persekutuan Putrajaya dan Labuan sahaja.

(This is to certify that the following company have been registered with Suruhanjaya Perkhidmatan Air Negara to be used in the water services industry in Peninsular Malaysia and Federal Territory of Putrajaya and Labuan only.)

No. Rujukan Pendaftaran (Reference of Registration No.)	:	10/2024/0664/A/W-80
Alamat Syarikat Pembekal (Name and Address of Supplier)	:	NORWARDS INDUSTRIES SDN BHD, LOT 5191, JALAN BALAKONG, TAMAN BALAKONG JAYA, 43300 SRI KEMBANGAN, SELANGOR DARUL EHSAN

### MAKLUMAT PRODUK ATAU SISTEM(PARTICULARS OF PRODUCT OR SYSTEM)

Kategori (Category)	:	A - CONVEYANCE OF WATER
Nama Produk atau Sistem (Product or System Name)	:	FITTINGS
Perihal Produk atau Sistem (Product or System Description)	:	Model - Siri: Rujuk perincian model dan spesifikasi di lampiran
Jenama (Brand Name)	:	NORWARDS
Piawai (Standard)	:	MS 1919:2013
Kegunaan (Application)	:	SISTEM BEKALAN AIR
Nama dan Alamat Pembuat (Name and Address of Manufacturer)	:	XINFENG PIPE FITTINGS CO., LTD., SME PARK, XIANREND AO ENERGY & CHEMICAL INDUSTRY ZONE, 115007 YINGKOU CITY, LIAONING PROVINCE,, CHINA
Nama dan Alamat Prinsipal (Name and Address of Principal)	:	NORWARDS INDUSTRIES SDN BHD, LOT 5191, JALAN BALAKONG,, TAMAN BALAKONG JAYA,, 43300, SRI KEMBANGAN, SELANGOR DARUL EHSAN
Sah Sehingga (Valid Until)	:	16 DEC 2027

Sijil yang dikeluarkan adalah tertakluk kepada SYARAT-SYARAT AM (Bahagian A) dan SYARAT-SYARAT KHUSUS (Bahagian B).  
(The Certificate issued is subject to the GENERAL CONDITIONS (Section A) and SPECIFIC CONDITIONS (Section B))

(DATO' HJ. AHMAD FAIZAL BIN ABDUL RAHMAN)  
KETUA PEGAWAI EKSEKUTIF  
Suruhanjaya Perkhidmatan Air Negara (SPAN)

Tarikh Dikeluarkan  
(Issue Date) : 04 DEC 2024





## PERAKUAN PEMATUHAN STANDARD (BAHAN BINAAN)

Dengan ini disahkan bahawa

### **NORWARDS INDUSTRIES SDN BHD (442356-M)**

LOT 5191 JALAN BALAKONG BATU 13  
TAMAN BALAKONG JAYA  
43300 SERDANG SELANGOR

Telah menjalani ujian di makmal yang diiktiraf sebagaimana butiran di bawah

No. Kelulusan PPS : <b>2-08220039</b>	
Nama & Alamat Kilang	
<b>XINFENG PIPE FITTINGS CO., LTD. SME PARK XIANRENDAO ENERGY &amp; CHEMICAL INDUSTRY ZONE 115007 YINGKOU CITY LIAONING PROVINCE, CHINA</b>	
Kategori Produk	Negara Pembuat
<b>IRON AND STEEL PRODUCTS</b>	<b>CHINA</b>
No. Sijil Produk / Laporan Ujian : <b>PC003465</b>	
Tempoh Sah Perakuan Pematuhan Standard	<b>06 Nov 2024</b> sehingga <b>05 Nov 2025</b>
Jenis produk Bahan Binaan : (Rujuk <b>Lampiran A</b> untuk butiran terperinci)	

SR NAZIR MUHAMAD NOR  
PENGURUS BESAR  
BAHAGIAN PEMATUHAN KUALITI BINAAN



SIJIL INI ADALAH CETAKAN KOMPUTER DAN TIDAK MEMERLUKAN TANDATANGAN