



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

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



PC 05102004 CB 01



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



SIRIM QAS International Sdn. Bhd.
(No. Syarikat 410334-X)
1, Persiaran Dato' Menteri
Seksyen 2, Peti Surat 7035
40700 Shah Alam
Selangor Darul Ehsan
MALAYSIA.

Tel : 60-3-55446400
Faks : 60-3-55446466

<http://www.sirim.my>
<http://www.malaysian-certified.my>

Tarikh Mula Pensijilan : 09 February 2018

Certified Since

Sah Sehingga : 08 August 2023

Valid Until

Tarikh Dikeluarkan : 22 July 2022

Issue Date

No Siri : 076064

Serial No

Lesen ini dianugerahkan tertakluk kepada syarat-syarat Perjanjian Pensijilan Barangan SIRIM QAS International Sdn. Bhd.
This Licence is granted subject to the provisions of the Product Certification Agreement of SIRIM QAS International Sdn. Bhd.

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



PC 05102004 CB 01



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

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

SIRIM QAS International Sdn. Bhd.
 (No. Syarikat 410334-X)
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 40700 Shah Alam
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Tel : 60-3-55446400
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SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



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



PC 05102004 CB 01



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

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

SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



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



PC 05102004 CB 01



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

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

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

SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



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



PC 05102004 CB 01



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

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

SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



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



PC 05102004 CB 01



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

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): 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.



PC 05102004 CB 01



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

Ruj. Kami : SPAN/BPAI/300-10/648/A/W-7
Tarikh : 12 Jul 2022

NORWARDS INDUSTRIES SDN BHD
LOT 5191, JALAN BALAKONG,
BATU 13, TAMAN BALAKONG JAYA,
BALAKONG
43300 KAJANG
SELANGOR DARUL EHSAN
(U/P: ENCIK CHANG SENG HAI)

Tuan,

PERAKUAN PENYENARAIAN PEMBEKAL UNTUK PRODUK-PRODUK KEGUNAAN INDUSTRI PERKHIDMATAN AIR

Perkara di atas adalah dirujuk.

2. Sukacita dimaklumkan bahawa syarikat tuan telah disenaraikan sebagai pembekal produk-produk kegunaan industri perkhidmatan air seperti berikut:

Bil	No Penyenaiaan SPAN	Kegunaan	Produk	Jenama	Maklumat Sijil Barangan		
					No. Sijil	Standard	Tempoh Sah Laku
1	SPAN/BPAI/300-10/648/A/W-7	Sistem Bekalan Air	FITTINGS - DUCTILE IRON (DI) FITTINGS	NORWARDS	SIRIM PC003465 Pengilang: XINFENG PIPE FITTINGS CO., LTD.	MS 1919:2013	08 Aug 2023

3. Penyenaiaan adalah **tertakluk sepenuhnya mengikut skop dan tempoh sahlaku sijil barangan** yang dikemukakan kepada SPAN. Penyenaiaan ini juga tertakluk kepada syarat-syarat khusus yang telah ditetapkan seperti yang dinyatakan di dalam lampiran sekiranya ada.

4. Syarikat yang memasuki penyenaiaan ini adalah **bertanggungjawab** untuk **memastikan bahawa sijil barangan adalah sah (valid)** pada sepanjang penyenaiaan dan **mengemaskini maklumat sijil barangan** kepada SPAN setiap kali pembaharuan sijil dibuat atau sekiranya terdapat perubahan pada skop pensijilan.



5. **Kegagalan tuan untuk mematuhi keperluan (4) boleh menyebabkan syarikat tuan dikeluarkan daripada penyenaian tanpa sebarang notis.** Produk yang telah dikeluarkan daripada senarai penyenaian adalah tidak dibenarkan untuk diguna pakai dalam mana-mana sistem bekalan air atau pembedungan di Semenanjung Malaysia, Wilayah Persekutuan Putrajaya dan Labuan.

Sekian, terima kasih.

Yang benar,



(Mohamad Nasir bin Mahmood)
Pengarah Kanan
Bahagian Pembangunan dan Audit Industri
Suruhanjaya Perkhidmatan Air Negara (SPAN)