



No Lesen : PC003465

Licence No :

LESEN PENSIJILAN BARANGAN *Product Certification Licence*



SIRIM



PC 05102004 CB 01



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

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 2022

Valid Until

Tarikh Dikeluarkan : 29 July 2021

Issue Date

No Siri : 066108

Serial No

Lesen ini dianugerahkan tertakluk kepada syarat-syarat Perjanjian Pensijilan Barangan SIRIM QAS International Sdn. Bhd.
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SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



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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
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
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

SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



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



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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

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

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

SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



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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
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
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

SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



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



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Size : SERIES: A
NOMINAL DIAMETER (mm): 40, 50, 60, 65, 80, 100, 125, 150, 200, 250 AND 300



Model : 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

Size : SERIES: A
NOMINAL DIAMETER (mm): 350 AND 400

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

Rating : PRESSURE RATING : PN16

Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)
EXTERNAL COATING: BITUMEN

Size : SERIES: A
NOMINAL DIAMETER (mm): 350, 400, 450, 500 AND 600

Model : DOUBLE FLANGED 90° BEND, 90° DUCKFOOT BEND

Rating : PRESSURE RATING : PN10

Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)
EXTERNAL COATING: BITUMEN

Size : SERIES: A
NOMINAL DIAMETER (mm): : 700, 800, 900 AND 1000

SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



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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
 Rating : PRESSURE RATING : PN10
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)
 EXTERNAL COATING: BITUMEN

Size : SERIES: A
 : NOMINAL DIAMETER (mm): 700, 800, 900, 1000, 1100, 1200, 1400, 1500, 1600, 1800 AND 2000

Model : DOUBLE FLANGED TAPPER
 Rating : PRESSURE RATING : PN25
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)
 EXTERNAL COATING: BITUMEN

Size : SERIES: A
 : NOMINAL DIAMETER (mm): 50x40, 60x50, 65x50, 80x60, 80x65, 100x80, 125x100, 150x125, 200x150, 250x200, AND 300x250

Model : DOUBLE FLANGED TAPPER
 Rating : PRESSURE RATING : PN16
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)
 EXTERNAL COATING: BITUMEN

Size : SERIES: A
 : NOMINAL DIAMETER (mm): 350x300, 400x300, 400x350, 450x400, 500x400 AND 600x500

Model : DOUBLE FLANGED TAPPER
 Rating : PRESSURE RATING : PN10
 Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)
 EXTERNAL COATING: BITUMEN

Size : SERIES: A
 : NOMINAL DIAMETER (mm): 700x600, 800x700, 900x800, 1000x900, 1100x1000, 1200x1000, 1400x1200, 1500x1400, 1600x1400, 1800x1600 AND 2000x1800

SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



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PC 05102004 CB 01



Model : BLANK FLANGED
Rating : PRESSURE RATING : PN10 AND PN16
Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)
EXTERNAL COATING: BITUMEN

Size : SERIES: A
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

Model : BLANK FLANGED
Rating : PRESSURE RATING : PN25 AND PN40
Type : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa)
EXTERNAL COATING: BITUMEN

Size : SERIES: A
NOMINAL DIAMETER (mm): 40, 50, 60, 65, 80, 100, 125, 150, 200, 250, 300, 350,
400, 450, 500 AND 600

Factory Name and Location :
YINGKOU ECONOMIC AND TECHNOLOGY DEVELOPMENT ZONE,
XINFENG PIPE FITTINGS CO., LTD.
YINGKOU ECONOMIC TECHNOLOGY DEVELOPMENT ZONE
YINGKOU CITY
LIAONING PROVINCE, CHINA

End of page

Ruj. Kami : SPAN/BPAI/300-10/648/A/W-7
Tarikh : 03 Aug 2021

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	PC003465 Pengilang: XINFENG PIPE FITTINGS CO., LTD.	MS 1919:2013	08 Aug 2022

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)