



No Lesen : PC001818

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 SEWERAGE APPLICATION

Please refer to detail in the SCHEDULE

sebagai mematuhi keperluan
as complying with

BS EN 598 : 2007 + A1 : 2009



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 : 26 June 2015

Certified Since

Sah Sehingga : 24 September 2023

Valid Until

Tarikh Dikeluarkan : 25 July 2022

Issue Date

No Siri : 076097

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 : FLANGED SOCKETS
 Rating : PN 16
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000



PC 05102004 CB 01



Trade Mark : NORWARDS
 Model : FLANGED SPIGOTS
 Rating : PN 16
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

Trade Mark : NORWARDS
 Model : COLLARS
 Rating : C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

Trade Mark : NORWARDS
 Model : DOUBLE SOCKET 90° (1/4) BEND
 Rating : C100 (DN80 TO DN100);
 C64 (DN125 TO DN200);
 C50 (DN250 TO DN350);
 C40 (DN400 TO DN600);
 C30 (DN700 TO DN1400);
 C25 (DN1500 TO DN2000);
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



Trade Mark : NORWARDS
 Model : DOUBLE SOCKET 45° (1/8) BEND
 Rating : C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000



PC 05102004 CB 01



Trade Mark : NORWARDS
 Model : DOUBLE SOCKET 22° 30' (1/16) BEND
 Rating : C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

Trade Mark : NORWARDS
 Model : DOUBLE SOCKET 11° 15' (1/32) BEND
 Rating : C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

Trade Mark : NORWARDS
 Model : ALL SOCKET TEES
 Rating : C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

Trade Mark : NORWARDS
 Model : DOUBLE SOCKET TEES WITH FLANGED BRANCH
 Rating : C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000); PN 16
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

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SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



Trade Mark : NORWARDS
 Model : DOUBLE SOCKET TAPER
 Rating : C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000



PC 05102004 CB 01



Trade Mark : NORWARDS
 Model : DOUBLE FLANGED 90° (1/4) BENDS
 Rating : PN 16
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

Trade Mark : NORWARDS
 Model : DOUBLE FLANGED 45° (1/8) BENDS
 Rating : PN 16
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

Trade Mark : NORWARDS
 Model : DOUBLE FLANGED 22° 30' (1/16) BENDS
 Rating : PN 16
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

Trade Mark : NORWARDS
 Model : DOUBLE FLANGED 11° 15' (1/32) BENDS
 Rating : PN 16
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



Trade Mark : NORWARDS
 Model : DOUBLE FLANGED DUCK FOOT 90° (1/4) BENDS
 Rating : PN 16
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000



PC 05102004 CB 01



Trade Mark : NORWARDS
 Model : ALL FLANGED TEES
 Rating : PN 16
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

Trade Mark : NORWARDS
 Model : DOUBLE FLANGED TAPERS
 Rating : PN 16
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

Trade Mark : NORWARDS
 Model : BLANK FLANGED
 Rating : PN 16
 Type : FITTINGS FOR PRESSURE SEWERS
 Size : NOMINAL SIZE: DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000

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/S-2
Tarikh : 10 Aug 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 PENYENARAIAH PEMBEKAL UNTUK PRODUK-PRODUK KEGUNAAN INDUSTRI PERKHIDMATAN PEMBETUNGAN

Perkara di atas adalah dirujuk.

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

Bil	No Penyenaiaian SPAN	Kegunaan	Produk	Jenama	Maklumat Sijil Barangan		
					No. Sijil	Standard	Tempoh Sah Laku
1	SPAN/BPAI/300-10/648/A/S-2	Sistem Pembetungan	PIPES AND FITTINGS - DUCTILE IRON - FITTINGS	Norwards	SIRIM PC001818 Pengilang: XIN FENG PIPE FITTINGS CO.,LTD.	BS EN 598:2007+A1: 2009	24 Sep 2023

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

4. Syarikat yang memasuki penyenaiaian ini adalah **bertanggungjawab** untuk **memastikan bahawa sijil barangan adalah sah (valid)** pada sepanjang penyenaiaian 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)