

LESEN PENSIJILAN BARANGAN

Product Certification Licence



SIRIM



ACB 001



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



Ts. Md. Adha bin Katni @ Rahmat
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

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

Tarikh Mula Pensijilan : 26 June 2015

Certified Since

Sah Sehingga : 31 December 2026

Valid Until

Tarikh Dikeluarkan : 25 November 2025

Issue Date

No Siri : 119902

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.



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



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

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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



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

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SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.



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



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



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

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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



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



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

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SCHEDULE

NORWARDS INDUSTRIES SDN. BHD.

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



SIRIM

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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/S-81
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 - SEWAGE CONVEYANCE
Nama Produk atau Sistem (Product or System Name)	:	PIPES AND FITTINGS
Perihal Produk atau Sistem (Product or System Description)	:	Model - Siri: Rujuk perincian model dan spesifikasi di lampiran
Jenama (Brand Name)	:	NORWARDS
Piawai (Standard)	:	BS EN 598:2007 + A1:2009
Kegunaan (Application)	:	SISTEM PEMBETUNGAN
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)	:	14 JAN 2028

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) : 10 JAN 2025



BAHAGIAN A : SYARAT-SYARAT AM

1. Kelulusan ini adalah terpakai di Semenanjung Malaysia serta Wilayah Persekutuan Putrajaya dan Labuan sahaja.
2. Pembekal hendaklah:
 - (a) membekalkan pemasangan, peranti atau kelengkapan sepertimana yang telah diluluskan dalam sijil pendaftaran;
 - (b) tempoh yang ditentukan oleh Suruhanjaya;
 - (c) mematuhi peruntukan Akta dan mana-mana perundangan subsidiari yang dibuat di bawah Akta;
 - (d) memastikan pemasangan, peranti atau kelengkapan yang dibekalkan mematuhi sepenuhnya standard yang diiktiraf dan apa-apa standard lain yang dinilai melalui penilaian pematuhan, mengikut mana yang berkenaan, pada setiap masa;
 - (e) memastikan tiada kemerosotan kualiti pemasangan, peranti atau kelengkapan yang dibekalkan; dan
 - (f) mematuhi apa-apa arahan yang dikeluarkan oleh Suruhanjaya dari masa ke semasa.

BAHAGIAN B : SYARAT-SYARAT KHUSUS

NA

LAMPIRAN

No Fail : 10/2024/0664/A/S-81

No. Sijil : SPAN/BPAI/0114-2025

Tarikh : 10 JAN 2025

**PERAKUAN PENYENARAIAAN PEMBEKAL**

PEMBEKAL : NORWARDS INDUSTRIES SDN BHD
 LOT 5191, JALAN BALAKONG,
 TAMAN BALAKONG JAYA,
 43300 SRI KEMBANGAN,
 SELANGOR DARUL EHSAN

PRODUK : PIPES AND FITTINGS

Model-model yang diluluskan oleh SPAN adalah seperti di bawah

No	Model	Series/Rating	Type/Size/Description
1	FLANGED SOCKETS	NA / PN 16	FITTINGS FOR PRESSURE SEWERS / 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 / NA
2	FLANGED SPIGOTS	NA / PN 16	FITTINGS FOR PRESSURE SEWERS / 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 / NA
3	COLLARS	NA / C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);	FITTINGS FOR PRESSURE SEWERS / 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 / NA
4	DOUBLE SOCKET 90° (1/4) BEND	NA / C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);	FITTINGS FOR PRESSURE SEWERS / 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 / NA
5	DOUBLE SOCKET 45° (1/8) BEND	NA / C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);	FITTINGS FOR PRESSURE SEWERS / 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 / NA
6	DOUBLE SOCKET 22° 30' (1/16) BEND	NA / C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);	FITTINGS FOR PRESSURE SEWERS / 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 / NA

7	DOUBLE SOCKET 11° 15' (1/32) BEND	NA / C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);	FITTINGS FOR PRESSURE SEWERS / 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 / NA
8	ALL SOCKET TEES	NA / C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);	FITTINGS FOR PRESSURE SEWERS / 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 / NA
9	DOUBLE SOCKET TEES WITH FLANGED BRANCH	NA / 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	FITTINGS FOR PRESSURE SEWERS / 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 / NA
10	DOUBLE SOCKET TAPER	NA / C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);	FITTINGS FOR PRESSURE SEWERS / 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 / NA
11	DOUBLE FLANGED 90° (1/4) BENDS	NA / PN 16	FITTINGS FOR PRESSURE SEWERS / 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 / NA
12	DOUBLE FLANGED 45° (1/8) BENDS	NA / PN 16	FITTINGS FOR PRESSURE SEWERS / 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 / NA
13	DOUBLE FLANGED 22° 30' (1/16) BENDS	NA / PN 16	FITTINGS FOR PRESSURE SEWERS / 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 / NA
14	DOUBLE FLANGED 11° 15' (1/32) BENDS	NA / PN 16	FITTINGS FOR PRESSURE SEWERS / 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 / NA
15	DOUBLE FLANGED DUCK FOOT 90° (1/4) BENDS	NA / PN 16	FITTINGS FOR PRESSURE SEWERS / 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 / NA
16	ALL FLANGED TEES	NA / PN 16	FITTINGS FOR PRESSURE SEWERS / 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 / NA
17	DOUBLE FLANGED TAPERS	NA / PN 16	FITTINGS FOR PRESSURE SEWERS / 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 / NA
18	BLANK FLANGED	NA / PN 16	FITTINGS FOR PRESSURE SEWERS / 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 / NA
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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 : 2-12250095	
Nama & Alamat Kilang	
XINFENG PIPE FITTINGS CO., LTD. SME PARK XIANREND AO ENERGY & CHEMICAL INDUSTRY ZONE CHEMICAL INDUSTRY ZONE 115007 YINGKOU CITY, LIAONING PROVINCE, CHINA	
Kategori Produk	Negara Pembuat
IRON AND STEEL PRODUCTS	CHINA
No. Sijil Produk / Laporan Ujian : PC001818	
Tempoh Sah Perakuan Pematuhan Standard	19 Dec 2025 sehingga 18 Dec 2026
Jenis produk Bahan Binaan : (Rujuk Lampiran A untuk butiran terperinci)	



TS. NOR HAMIZA ZAHAR
PENGURUS KANAN
BAHAGIAN PEMATUHAN KUALITI BINAAN

SIJIL INI ADALAH CETAKAN KOMPUTER DAN TIDAK MEMERLUKAN TANDATANGAN

No. Kelulusan PPS : **2-12250095**
 No. Permohonan : **PPSi_1225000231**
 Nama Syarikat / Pengimport : **NORWARDS INDUSTRIES SDN BHD**

NO.	NAMA PRODUK	STANDARD PRODUK	JENAMA	SAIZ / DIMENSI	MODEL NO.	GRED
1	FLANGED SOCKETS	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	PN 16
2	FLANGED SPIGOTS	BS EN 598 : 2007 + A1 : 2009	NORWARDS	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	FITTINGS FOR PRESSURE SEWERS	PN 16
3	COLLARS	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	PN 16
4	DOUBLE SOCKET 90° (1/4) BEND	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);

5	DOUBLE SOCKET 45° (1/8) BEND	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);
6	DOUBLE SOCKET 22° 30' (1/16) BEND	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);
7	DOUBLE SOCKET 11° 15' (1/32) BEND	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000);

8	ALL SOCKET TEES	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000)
9	DOUBLE SOCKET TEES WITH FLANGED BRANCH	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	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
10	DOUBLE SOCKET TAPER	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	C100 (DN80 TO DN100); C64 (DN125 TO DN200); C50 (DN250 TO DN350); C40 (DN400 TO DN600); C30 (DN700 TO DN1400); C25 (DN1500 TO DN2000)
11	DOUBLE FLANGED 90° (1/4) BENDS	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	PN 16

12	DOUBLE FLANGED 45° (1/8) BENDS	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	PN 16
13	DOUBLE FLANGED 22° 30' (1/16) BENDS	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	PN 16
14	DOUBLE FLANGED 11° 15' (1/32) BENDS	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	PN 16
15	DOUBLE FLANGED DUCK FOOT 90° (1/4) BENDS	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	PN 16
16	ALL FLANGED TEES	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	PN 16
17	DOUBLE FLANGED TAPERS	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	PN 16
18	BLANK FLANGED	BS EN 598 : 2007 + A1 : 2009	NORWARDS	DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1100, DN1200, DN1400, DN1500, DN1600, DN1800, DN2000	FITTINGS FOR PRESSURE SEWERS	PN 16