



JABATAN AIR NEGERI SABAH

Butiran Pendaftaran

No Sijil : JANS.24.73a, JANS.24.73b

Nama Pembekal : **NORWARDS INDUSTRIES SDN. BHD.**
Lot 5191, Jalan Balakong, Batu 13, Taman Balakong Jaya 43300 Balakong,
Selangor, Malaysia

Nama Pembuat /
Pengilang : **XINFENG PIPE FITTINGS CO LTD**
SME Park Xiandrendao Energy & Chemical Industry Zone 115007 Yingkou City,
Liaoning Province, China

Nama Prinsipal /
Pemilik : **NORWARDS INDUSTRIES SDN. BHD.**
Lot 5191, Jalan Balakong, Batu 13, Taman Balakong Jaya 43300 Balakong,
Selangor, Malaysia

Nama Produk : DUCTILE IRON FITTINGS

Kategori : A [Coveyance of Water]

Kelas/Saiz/Model : (Sila rujuk Jadual di muka surat belakang)

Jenama : **NORWARDS**

Piawaian : BSEN598:2007 + A1:2009

Tarikh dikeluarkan : 28 Mei 2024

Sah sehingga : 28 Mei 2026

Perihal produk :

NAMA PRODUK	MODEL	SIRI	PERIHAL/CLASS/SAIZ
DUCTILE IRON (DI) FITTINGS	ALL FLANGED TEE	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.
	ALL FLANGED TEE	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.
	ALL FLANGED TEE	PRESSURE RATING : PN25	TYPE : PRESSURE RATING : PN25. 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 300x3.
	ALL SOCKET TEE	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.
	BLANK FLANGED	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.

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Perihal :

	BLANK FLANGED	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.
	DOUBLE FLANGED 22.5 BEND AND DOUBLE FLANGED 11.25	PRESSRE RATING : PN16	TYPE : INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa) EXTERNAL COATING: BITUMEN SERIES: A. SIZE : NOMINAL DIAMETER (mm): 350 AND 400
	DOUBLE FLANGED 90 BEND, 90 DUCKFOOT BEND	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 AND 1000.
	DOUBLE FLANGED TAPPER	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.
	DOUBLE FLANGED TAPPER	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.
	DOUBLE FLANGED TAPPER	PRESURE 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.
DUCTILE IRON (DI) FITTINGS	DOUBLE SOCKET TAPPER	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.
	DOUBLE SOCKET TAPPER	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.
	DOUBLE SOCKET TAPPER	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.
	DOUBLE SOCKET TEE WITH FLANGED BRANCH	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.
	DOUBLE SOCKET TEE WITH FLANGED BRANCH	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.
	DOUBLE SOCKET TEE WITH FLANGED BRANCH	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.
	SOCKET/FLUNGE/BEN D	PRESSURE RATING : PN16	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 . 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.

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Perihal :

SOCKET/FLUNGE/BEN D	PRESSURE RATING : PN25	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 . 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.
SOCKET/FLUNGE/BEN D/COLLAR	PRESSURE RATING : PN10	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 . 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.

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