



State Water Authority
Certificate of Approval for Water Supply Product

The State Water Authority of Sarawak hereby gives approval for this water supply product to be used in the Water Supply Authority areas within Sarawak, under the powers vested in Part III Regulation 9 of the Water Supply Regulations 1995:

<p>Name of Water Supply Product: FITTINGS - DUCTILE IRON (DI) FITTINGS</p> <p>Type: Fitting</p> <p>Brand: NORWARDS</p> <p>Standard: MS 1919 : 2013</p> <p>Class & Size: See schedule on the reverse page</p> <p>Validity Period: 01/01/2025 to 31/12/2025</p> <p>Date of Issue: 20/12/2024</p> <p>Product Category: Category A</p>	<p>Name & Address of Certificate Holder: NORWARDS INDUSTRIES (SARAWAK) SDN. BHD. Sublot 1, Lot 3527, Taman Stc, Lot 1122, Block 226, Kuching North Land District, Batu 5, Jalan Penrissen, 93250, Kuching Kuching , Sarawak</p> <p>Nature of Business Entity of Certificate: Supplier</p> <p>Name & Address of Manufacturer: XINFENG PIPE FITTINGS CO. LTD. YINGKOU ECONOMIC TECHNOLOGY DEVELOPMENT ZONE YINGKOU CITY LIAONING PROVINCE, CHINA</p> <p>Name & Address of Principal: NORWARDS INDUSTRIES SDN. BHD. LOT 5191, JALAN BALAKONG, BATU 13, TAMAN BALAKONG JAYA, BALAKONG 43300 KAJANG SELANGOR DARUL EHSAN.</p>
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This approval is given subject to the following:

- i. The State Water Authority of Sarawak reserves the right to withdraw this approval at anytime and shall not be obliged to give any reason whatsoever.
- ii. The specifications for the water supply products shall not differ from that originally submitted in the application for approval.
- iii. There should not be any unsuitability in the use of this product.
- iv. This certificate of approval shall not be used for any advertisement purpose. However, a copy can be used as evidence of approval only.
- v. This certificate of approval shall become invalid upon expiry of SPAN Product Certificate Registration or SIRIM Licence or IKRAM Bhd Certification or other internationally recognized certification of the product, whichever is earlier.



Digitally Signed by JAFRI BIN LIAS
on 07/01/2025 11:46 AM

Schedule

COMPANY NAME: NORWARDS INDUSTRIES (SARAWAK) SDN. BHD.

PRODUCT: FITTINGS - DUCTILE IRON (DI) FITTINGS

VALIDITY PERIOD: 01/01/2025 - 31/12/2025

CERTIFICATE NUMBER: SWA/F/0545

Model	Series	Description
ALL FLANGED TEES	PN16 SERIES: A	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
BLANK FLANGED	PN10 SERIES: A	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
BLANK FLANGED	PN16 SERIES: A	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
BLANK FLANGED	PN25 SERIES: A	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
ALL SOCKET TEE	PN10 SERIES: A	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
ALL FLANGED TEES	PN10 SERIES: A	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

Model	Series	Description
ALL SOCKET TEE	PN10 SERIES: A	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, 15
ALL SOCKET TEE	PN25 SERIES: A	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
ALL SOCKET TEE	PN16 SERIES: A	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
ALL FLANGED TEES	PN25 SERIES: A	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
BLANK FLANGED	PN40 SERIES: A	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

Model	Series	Description
DOUBLE SOCKET TEE WITH FLANGED BRANCH	PN10 SERIES: A	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 FLANGED TAPPER	PN10 SERIES: A	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 TEE WITH FLANGED BRANCH	PN16 SERIES: A	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
FLANGED SOCKET, FLANGED SPIGOT, COLLAR, DOUBLE SOCKET 90DEG BEND, DOUBLE SOCKET 45DEG BEND, DOUBLE SOCKET	PN10 SERIES: A	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
FLANGED SOCKET, FLANGED SPIGOT, COLLAR, DOUBLE SOCKET 90DEG BEND, DOUBLE SOCKET 45DEG BEND, DOUBLE SOCKET	PN16 SERIES: A	INTERNAL LINING : FUSION BONDED EPOXY OR CEMENT MORTAR (>50MPa) EXTERNAL COATING: BITUMEN SERIES: A Size :NOMINAL DIAMETER (mm): 350, 400, 450, 500 AND 600
DOUBLE FLANGED TAPPER	PN25 SERIES: A	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	PN25 SERIES: A	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
FLANGED SOCKET, FLANGED SPIGOT, COLLAR, DOUBLE SOCKET 90DEG BEND, DOUBLE SOCKET 45DEG BEND, DOUBLE SOCKET	PN25 SERIES: A	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
DOUBLE FLANGED TAPPER	PN16 SERIES: A	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



State Water Authority
Certificate of Approval for Water Supply Product

The State Water Authority of Sarawak hereby gives approval for this water supply product to be used in the Water Supply Authority areas within Sarawak, under the powers vested in Part III Regulation 9 of the Water Supply Regulations 1995:

Name of Water Supply Product: DUCTILE IRON FLEXIBLE COUPLING	Name & Address of Certificate Holder: Norwards Industries Sdn Bhd Lot 5191, Jalan Balakong, Taman Balakong Jaya, Sri Kembangan, Selangor
Type: Fitting	Nature of Business Entity of Certificate: Manufacturer
Brand: NORWARDS	Name & Address of Manufacturer: Norwards Industries Sdn Bhd Lot 5191, Jalan Balakong, Taman Balakong Jaya, , Sri Kembangan, Selangor
Standard: JKR 20200-0048-99	
Class & Size: See schedule on the reverse page	
Validity Period: <u>20/12/2024</u> to <u>31/10/2025</u>	Name & Address of Principal: Norwards Industries Sdn Bhd Lot 5191, Jalan Balakong, Taman Balakong Jaya, , Sri Kembangan, Selangor
Date of Issue: 20/12/2024	
Product Category: Category A	

This approval is given subject to the following:

- i. The State Water Authority of Sarawak reverses the right to withdraw this approval at anytime and shall not be obliged to give any reason whatsoever.
- ii. The specifications for the water supply products shall not differ from that originally submitted in the application for approval.
- iii. There should not be any unsuitability in the use of this product.
- iv. This certificate of approval shall not be used for any advertisement purpose. However, a copy can be used as evidence of approval only.
- v. This certificate of approval shall become invalid upon expiry of SPAN Product Certificate Registration or SIRIM Licence or IKRAM Bhd Certification or other internationally recognized certification of the product, whichever is earlier.



Digitally Signed by JAFRI BIN LIAS
on 07/01/2025 11:46 AM

Schedule

COMPANY NAME: Norwards Industries Sdn Bhd

PRODUCT: DUCTILE IRON FLEXIBLE COUPLING

VALIDITY PERIOD: 20/12/2024 - 31/10/2025

CERTIFICATE NUMBER: SWA/F/0862

Model	Series	Description
FLEXIBLE COUPLING	N/A	TYPE : STRAIGHT COUPLING. NOMINAL SIZE (DN) : DN80 , 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000, 1100, 1200

End of Page



State Water Authority
Certificate of Approval for Water Supply Product

The State Water Authority of Sarawak hereby gives approval for this water supply product to be used in the Water Supply Authority areas within Sarawak, under the powers vested in Part III Regulation 9 of the Water Supply Regulations 1995:

Name of Water Supply Product:	DUCTILE IRON MECHANICAL FLANGE ADAPTOR	Name & Address of Certificate Holder:	Norwards Industries Sdn Bhd Lot 5191, Jalan Balakong, Taman Balakong Jaya, Sri Kembangan, Selangor
Type:	Fitting	Nature of Business Entity of Certificate:	Manufacturer & Supplier
Brand:	NORWARDS	Name & Address of Manufacturer:	Norwards Industries Sdn Bhd Lot 5191, Jalan Balakong, Taman Balakong Jaya, , Sri Kembangan, Selangor
Standard:	JKR 20200-0048-99		
Class & Size:	See schedule on the reverse page		
Validity Period:	<u>20/12/2024</u> to <u>31/10/2025</u>	Name & Address of Principal:	Norwards Industries Sdn Bhd Lot 5191, Jalan Balakong, Taman Balakong Jaya, , Sri Kembangan, Selangor
Date of Issue:	20/12/2024		
Product Category:	Category A		

This approval is given subject to the following:

- i. The State Water Authority of Sarawak reverses the right to withdraw this approval at anytime and shall not be obliged to give any reason whatsoever.
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Schedule

COMPANY NAME: Norwards Industries Sdn Bhd

PRODUCT: DUCTILE IRON MECHANICAL FLANGE ADAPTOR

VALIDITY PERIOD: 20/12/2024 - 31/10/2025

CERTIFICATE NUMBER: SWA/F/0861

Model	Series	Description
Flange Adaptor	N/A	80, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000, 1100, 1200
Universal Flange Adaptor	N/A	80, 100, 150, 200, 250, 300

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