

CERTIFICATE OF COMPLIANCE

Certificate Number 20191106-EX15442
Report Reference EX15442-20160824
Issue Date 2019-NOVEMBER-06

Issued to: P T TRI SINAR PURNAMA
DESA KEDUNG PANI
KELURAHAN WATES, KECAMATAN NGALIYAN
SEMARANG 50188 INDONESIA

**This certificate confirms that
representative samples of**

SEAMLESS AND WELDED BLACK AND HOT-DIPPED
GALVANIZED STEEL PIPE, WELDED AND SEAMLESS
CARBON STEEL AND AUSTENITIC STAINLESS STEEL
PIPE NIPPLES AND MALLEABLE IRON THREADED
FITTINGS

SEE ADDENDUM PAGE

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:

ASTM A733 Welded and Seamless Carbon Steel and
Austenitic Stainless Steel Pipe Nipples
ASTM A53/A53M -12 Pipe, Steel, Black and Hot-Dipped,
Zinc-Coated, Welded and Seamless

Additional Information:

See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Carbon Steel Pipe Nipples. The fittings consist of the following models, types, sizes, and rated pressures as specified below:

Fittings fabricated with dimensional specifications in accordance with ASTM A733, ASTM A53 and thread in accordance with B.1.20.1: 2013.

Pipe Nipple Type	Size, in.	Rated Pressure, psi (kPa)
Close Nipple	1/8" X 3/4"	700 (4800)
	1/4" X 7/8"	700 (4800)
	3/8" X 1"	700 (4800)
	1/2" X 1-1/8"	700 (4800)
	3/4" X 1-3/8"	700 (4800)
	1" X 1-1/2"	700 (4800)
	1-1/4" X 1-5/8"	1200 (8300)
	1-1/2" X 1-3/4"	1200 (8300)
	2" x 2"	2300 (15900)
	2-1/2" X 2-1/2"	2500 (17200)
	3" X 2-5/8"	2200 (15300)
	3-1/2" X 2-3/4"	2030 (14000)
	4" X 2-7/8"	1900 (13100)
Short Nipple	1/8" X 1-1/2"	700 (4800)
	1/4" X 1-1/2"	700 (4800)
	3/8" X 1-1/2"	700 (4800)
	1/2" X 1-1/2"	700 (4800)
	3/4" X 2"	700 (4800)
	1" X 2"	700 (4800)
	1-1/4" X 2-1/2"	1200 (8300)
	1-1/2" X 2-1/2"	1200 (8300)
	2" x 2-1/2"	2300 (15900)
	2-1/2" x 3"	2500 (17200)
	3" x 3"	2200 (15300)

B. Mahlen

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Long Nipple	1/8" x 2"	700 (4800)
	1/8" x 2-1/2"	700 (4800)
	1/8" x 3"	700 (4800)
	1/8" x 3-1/2"	700 (4800)
	1/8" x 4"	700 (4800)
	1/8" x 4-1/2"	700 (4800)

	1/8" x 5"	700 (4800)
	1/8" x 5-1/2"	700 (4800)
	1/8" x 6"	700 (4800)
	1/8" x 6-1/2"	700 (4800)
	1/8" x 7"	700 (4800)
	1/8" x 7-1/2"	700 (4800)
	1/8" x 8"	700 (4800)
	1/8" x 8-1/2"	700 (4800)
	1/8" x 9"	700 (4800)
	1/8" x 9-1/2"	700 (4800)
	1/8" x 10"	700 (4800)
	1/8" x 10-1/2"	700 (4800)
	1/8" x 11"	700 (4800)
	1/8" x 11-1/2"	700 (4800)
	1/8" x 12"	700 (4800)
	1/8" x 12-1/2"	700 (4800)
	1/8" x 13"	700 (4800)
	1/8" x 13-1/2"	700 (4800)
	1/8" x 14"	700 (4800)
	1/8" x 14-1/2"	700 (4800)
	1/8" x 15"	700 (4800)
	1/8" x 15-1/2"	700 (4800)
	1/8" x 16"	700 (4800)
	1/8" x 16-1/2"	700 (4800)
	1/8" x 17"	700 (4800)
	1/8" x 17-1/2"	700 (4800)
	1/8" x 18"	700 (4800)
	1/8" x 18-1/2"	700 (4800)
	1/8" x 19"	700 (4800)
	1/8" x 19-1/2"	700 (4800)
	1/8" x 20"	700 (4800)

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	1/8" x 20-1/2"	700 (4800)
	1/8" x 21"	700 (4800)
	1/8" x 21-1/2"	700 (4800)
	1/8" x 22"	700 (4800)
	1/8" x 22-1/2"	700 (4800)
	1/8" x 23"	700 (4800)
	1/8" x 23-1/2"	700 (4800)
	1/8" x 24"	700 (4800)
Long Nipple	1/4" x 2"	700 (4800)
	1/4" x 2-1/2"	700 (4800)
	1/4" x 3"	700 (4800)
	1/4" x 3-1/2"	700 (4800)

	1/4" x 4"	700 (4800)
	1/4" x 4-1/2"	700 (4800)
	1/4" x 5"	700 (4800)
	1/4" x 5-1/2"	700 (4800)
	1/4" x 6"	700 (4800)
	1/4" x 6-1/2"	700 (4800)
	1/4" x 7"	700 (4800)
	1/4" x 7-1/2"	700 (4800)
	1/4" x 8"	700 (4800)
	1/4" x 8-1/2"	700 (4800)
	1/4" x 9"	700 (4800)
	1/4" x 9-1/2"	700 (4800)
	1/4" x 10"	700 (4800)
	1/4" x 10-1/2"	700 (4800)
	1/4" x 11"	700 (4800)
	1/4" x 11-1/2"	700 (4800)
	1/4" x 12"	700 (4800)
	1/4" x 12-1/2"	700 (4800)
	1/4" x 13"	700 (4800)
	1/4" x 13-1/2"	700 (4800)
	1/4" x 14"	700 (4800)
	1/4" x 14-1/2"	700 (4800)
	1/4" x 15"	700 (4800)
	1/4" x 15-1/2"	700 (4800)
	1/4" x 16"	700 (4800)
	1/4" x 16-1/2"	700 (4800)
	1/4" x 17"	700 (4800)
	1/4" x 17-1/2"	700 (4800)

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	1/4" x 18"	700 (4800)
	1/4" x 18-1/2"	700 (4800)
	1/4" x 19"	700 (4800)
	1/4" x 19-1/2"	700 (4800)
	1/4" x 20"	700 (4800)
	1/4" x 20-1/2"	700 (4800)
	1/4" x 21"	700 (4800)
	1/4" x 21-1/2"	700 (4800)
	1/4" x 22"	700 (4800)
	1/4" x 22-1/2"	700 (4800)
	1/4" x 23"	700 (4800)
	1/4" x 23-1/2"	700 (4800)
	1/4" x 24"	700 (4800)
Long Nipple	3/8" X 2"	700 (4800)
	3/8" X 2-1/2"	700 (4800)

	3/8" X 3"	700 (4800)
	3/8" X 3-1/2"	700 (4800)
	3/8" X 4"	700 (4800)
	3/8" X 4-1/2"	700 (4800)
	3/8" X 5"	700 (4800)
	3/8" X 5-1/2"	700 (4800)
	3/8" X 6"	700 (4800)
	3/8" X 6-1/2"	700 (4800)
	3/8" X 7"	700 (4800)
	3/8" X 7-1/2"	700 (4800)
	3/8" X 8"	700 (4800)
	3/8" X 8-1/2"	700 (4800)
	3/8" X 9"	700 (4800)
	3/8" X 9-1/2"	700 (4800)
	3/8" X 10"	700 (4800)
	3/8" X 10-1/2"	700 (4800)
	3/8" X 11"	700 (4800)
	3/8" X 11-1/2"	700 (4800)
	3/8" X 12"	700 (4800)
	3/8" x 12-1/2"	700 (4800)
	3/8" x 13"	700 (4800)
	3/8" x 13-1/2"	700 (4800)
	3/8" x 14"	700 (4800)
	3/8" x 14-1/2"	700 (4800)
	3/8" x 15"	700 (4800)
	3/8" x 15-1/2"	700 (4800)
	3/8" x 16"	700 (4800)

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	3/8" x 16-1/2"	700 (4800)
	3/8" x 17"	700 (4800)
	3/8" x 17-1/2"	700 (4800)
	3/8" x 18"	700 (4800)
	3/8" x 18-1/2"	700 (4800)
	3/8" x 19"	700 (4800)
	3/8" x 19-1/2"	700 (4800)
	3/8" x 20"	700 (4800)
	3/8" x 20-1/2"	700 (4800)
	3/8" x 21"	700 (4800)
	3/8" x 21-1/2"	700 (4800)
	3/8" x 22"	700 (4800)
	3/8" x 22-1/2"	700 (4800)
	3/8" x 23"	700 (4800)
	3/8" x 23-1/2"	700 (4800)
	3/8" x 24"	700 (4800)

Long Nipple	1/2" x 2"	700 (4800)
	1/2" x 2-1/2"	700 (4800)
	1/2" x 3"	700 (4800)
	1/2" x 3-1/2"	700 (4800)
	1/2" x 4"	700 (4800)
	1/2" x 4-1/2"	700 (4800)
	1/2" x 5"	700 (4800)
	1/2" x 5-1/2"	700 (4800)
	1/2" x 6"	700 (4800)
	1/2" x 6-1/2"	700 (4800)
	1/2" x 7"	700 (4800)
	1/2" x 7-1/2"	700 (4800)
	1/2" x 8"	700 (4800)
	1/2" x 8-1/2"	700 (4800)
	1/2" x 9"	700 (4800)
	1/2" x 9-1/2"	700 (4800)
	1/2" x 10"	700 (4800)
	1/2" x 10-1/2"	700 (4800)
	1/2" x 11"	700 (4800)
	1/2" x 11-1/2"	700 (4800)
	1/2" x 12"	700 (4800)
	1/2" x 12-1/2"	700 (4800)
	1/2" x 13"	700 (4800)

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	1/2" x 13-1/2"	700 (4800)
	1/2" x 14"	700 (4800)
	1/2" x 14-1/2"	700 (4800)
	1/2" x 15"	700 (4800)
	1/2" x 15-1/2"	700 (4800)
	1/2" x 16"	700 (4800)
	1/2" x 16-1/2"	700 (4800)
	1/2" x 17"	700 (4800)
	1/2" x 17-1/2"	700 (4800)
	1/2" x 18"	700 (4800)
	1/2" x 18-1/2"	700 (4800)
	1/2" x 19"	700 (4800)
	1/2" x 19-1/2"	700 (4800)
	1/2" x 20"	700 (4800)
	1/2" x 20-1/2"	700 (4800)
	1/2" x 21"	700 (4800)
	1/2" x 21-1/2"	700 (4800)
	1/2" x 22"	700 (4800)
	1/2" x 22-1/2"	700 (4800)
	1/2" x 23"	700 (4800)
	1/2" x 23-1/2"	700 (4800)

	1/2" x 24"	700 (4800)
Long Nipple	3/4" x 1-1/2"	700 (4800)
	3/4" x 2-1/2"	700 (4800)
	3/4" x 3"	700 (4800)
	3/4" x 3-1/2"	700 (4800)
	3/4" x 4"	700 (4800)
	3/4" x 4-1/2"	700 (4800)
	3/4" x 5"	700 (4800)
	3/4" x 5-1/2"	700 (4800)
	3/4" x 6"	700 (4800)
	3/4" x 6-1/2"	700 (4800)

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Pipe Nipple Type	Size, in.	Rated Pressure, psi (kPa)
	3/4" x 7"	700 (4800)
	3/4" x 7-1/2"	700 (4800)
	3/4" x 8"	700 (4800)
	3/4" x 8-1/2"	700 (4800)
	3/4" x 9"	700 (4800)
	3/4" x 9-1/2"	700 (4800)
	3/4" x 10"	700 (4800)
	3/4" x 10-1/2"	700 (4800)
	3/4" x 11"	700 (4800)
	3/4" x 11-1/2"	700 (4800)
	3/4" x 12"	700 (4800)
	3/4" x 12-1/2"	700 (4800)
	3/4" x 13"	700 (4800)
	3/4" x 13-1/2"	700 (4800)
	3/4" x 14"	700 (4800)
	3/4" x 14-1/2"	700 (4800)
	3/4" x 15"	700 (4800)
	3/4" x 15-1/2"	700 (4800)
	3/4" x 16"	700 (4800)
	3/4" x 16-1/2"	700 (4800)
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	3/4" x 17-1/2"	700 (4800)
	3/4" x 18"	700 (4800)
	3/4" x 18-1/2"	700 (4800)
	3/4" x 19"	700 (4800)
	3/4" x 19-1/2"	700 (4800)
	3/4" x 20"	700 (4800)
	3/4" x 20-1/2"	700 (4800)
	3/4" x 21"	700 (4800)
	3/4" x 21-1/2"	700 (4800)
	3/4" x 22"	700 (4800)
	3/4" x 22-1/2"	700 (4800)
	3/4" x 23"	700 (4800)
	3/4" x 23-1/2"	700 (4800)
	3/4" x 24"	700 (4800)

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Pipe Nipple Type	Size, in.	Rated Pressure, psi (kPa)
Long Nipple	1" x 2-1/2"	700 (4800)
	1" x 3"	700 (4800)
	1" x 3-1/2"	700 (4800)
	1" x 4"	700 (4800)
	1" x 4-1/2"	700 (4800)

	1" x 5"	700 (4800)
	1" x 5-1/2"	700 (4800)
	1" x 6"	700 (4800)
	1" x 6-1/2"	700 (4800)
	1" x 7"	700 (4800)
	1" x 7-1/2"	700 (4800)
	1" x 8"	700 (4800)
	1" x 8-1/2"	700 (4800)
	1" x 9"	700 (4800)
	1" x 9-1/2"	700 (4800)
	1" x 10"	700 (4800)
	1" x 10-1/2"	700 (4800)
	1" x 11"	700 (4800)
	1" x 11-1/2"	700 (4800)
	1" x 12"	700 (4800)
	1" x 12-1/2"	700 (4800)
	1" x 13"	700 (4800)
	1" x 13-1/2"	700 (4800)
	1" x 14"	700 (4800)
	1" x 14-1/2"	700 (4800)
	1" x 15"	700 (4800)
	1" x 15-1/2"	700 (4800)
	1" x 16"	700 (4800)
	1" x 16-1/2"	700 (4800)
	1" x 17"	700 (4800)
	1" x 17-1/2"	700 (4800)
	1" x 18"	700 (4800)
	1" x 18-1/2"	700 (4800)
	1" x 19"	700 (4800)
	1" x 19-1/2"	700 (4800)

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	1" x 20"	700 (4800)
	1" x 20-1/2"	700 (4800)
	1" x 21"	700 (4800)
	1" x 21-1/2"	700 (4800)
	1" x 22"	700 (4800)
	1" x 22-1/2"	700 (4800)
	1" x 23"	700 (4800)
	1" x 23-1/2"	700 (4800)
	1" x 24"	700 (4800)
Long Nipple	1-1/4" x 2"	
	1-1/4" x 3"	1200 (8300)
	1-1/4" x 3-1/2"	1200 (8300)
	1-1/4" x 4"	1200 (8300)
	1-1/4" x 4-1/2"	1200 (8300)
	1-1/4" x 5"	1200 (8300)
	1-1/4" x 5-1/2"	1200 (8300)
	1-1/4" x 6"	1200 (8300)
	1-1/4" x 6-1/2"	1200 (8300)
	1-1/4" x 7"	1200 (8300)
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	1-1/4" x 8-1/2"	1200 (8300)
	1-1/4" x 9"	1200 (8300)
	1-1/4" x 9-1/2"	1200 (8300)
	1-1/4" x 10"	1200 (8300)
	1-1/4" x 10-1/2"	1200 (8300)
	1-1/4" x 11"	1200 (8300)
	1-1/4" x 11-1/2"	1200 (8300)
	1-1/4" x 12"	1200 (8300)
	1-1/4" x 12-1/2"	1200 (8300)
	1-1/4" x 13"	1200 (8300)
	1-1/4" x 13-1/2"	1200 (8300)
	1-1/4" x 14"	1200 (8300)
	1-1/4" x 14-1/2"	1200 (8300)
	1-1/4" x 15"	1200 (8300)
	1-1/4" x 15-1/2"	1200 (8300)

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	1-1/4" x 16"	1200 (8300)
	1-1/4" x 16-1/2"	1200 (8300)
	1-1/4" x 17"	1200 (8300)
	1-1/4" x 17-1/2"	1200 (8300)
	1-1/4" x 18"	1200 (8300)
	1-1/4" x 18-1/2"	1200 (8300)
	1-1/4" x 19"	1200 (8300)
	1-1/4" x 19-1/2"	1200 (8300)
	1-1/4" x 20"	1200 (8300)
	1-1/4" x 20-1/2"	1200 (8300)
	1-1/4" x 21"	1200 (8300)
	1-1/4" x 21-1/2"	1200 (8300)
	1-1/4" x 22"	1200 (8300)
	1-1/4" x 22-1/2"	1200 (8300)
	1-1/4" x 23"	1200 (8300)
	1-1/4" x 23-1/2"	1200 (8300)
	1-1/4" x 24"	1200 (8300)

Pipe Nipple Type	Size, in.	Rated Pressure, psi (kPa)
Long Nipple	1-1/2" x 3"	1200 (8300)
	1-1/2" x 3-1/2"	1200 (8300)
	1-1/2" x 4"	1200 (8300)
	1-1/2" x 4-1/2"	1200 (8300)
	1-1/2" x 5"	1200 (8300)
	1-1/2" x 5-1/2"	1200 (8300)
	1-1/2" x 6"	1200 (8300)
	1-1/2" x 6-1/2"	1200 (8300)
	1-1/2" x 7"	1200 (8300)
	1-1/2" x 7-1/2"	1200 (8300)
	1-1/2" x 8"	1200 (8300)
	1-1/2" x 8-1/2"	1200 (8300)
	1-1/2" x 9"	1200 (8300)
	1-1/2" x 9-1/2"	1200 (8300)
	1-1/2" x 10"	1200 (8300)
	1-1/2" x 10-1/2"	1200 (8300)
	1-1/2" x 11"	1200 (8300)
	1-1/2" x 11-1/2"	1200 (8300)

B. Mahlenz

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CERTIFICATE OF COMPLIANCE

Certificate Number 20191106-EX15442
Report Reference EX15442-20160824
Issue Date 2019-NOVEMBER-06

Pipe Nipple Type	Size, in.	Rated Pressure, psi (kPa)
	1-1/2" x 12"	1200 (8300)
	1-1/2" x 12-1/2"	1200 (8300)
	1-1/2" x 13"	1200 (8300)
	1-1/2" x 13-1/2"	1200 (8300)
	1-1/2" x 14"	1200 (8300)
	1-1/2" x 14-1/2"	1200 (8300)
	1-1/2" x 15"	1200 (8300)
	1-1/2" x 15-1/2"	1200 (8300)
	1-1/2" x 16"	1200 (8300)
	1-1/2" x 16-1/2"	1200 (8300)
	1-1/2" x 17"	1200 (8300)
	1-1/2" x 17-1/2"	1200 (8300)
	1-1/2" x 18"	1200 (8300)
	1-1/2" x 18-1/2"	1200 (8300)
	1-1/2" x 19"	1200 (8300)
	1-1/2" x 19-1/2"	1200 (8300)
	1-1/2" x 20"	1200 (8300)
	1-1/2" x 20-1/2"	1200 (8300)
	1-1/2" x 21"	1200 (8300)
	1-1/2" x 21-1/2"	1200 (8300)
	1-1/2" x 22"	1200 (8300)
	1-1/2" x 22-1/2"	1200 (8300)
	1-1/2" x 23"	1200 (8300)

	1-1/2" x 23-1/2"	1200 (8300)
	1-1/2" x 24"	1200 (8300)
Long Nipple	2" x 3"	2300 (15900)
	2" x 3-1/2"	2300 (15900)
	2" x 4"	2300 (15900)
	2" x 4-1/2"	2300 (15900)
	2" x 5"	2300 (15900)
	2" x 5-1/2"	2300 (15900)
	2" x 6"	2300 (15900)
	2" x 6-1/2"	2300 (15900)
	2" x 7"	2300 (15900)
	2" x 7-1/2"	2300 (15900)

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CERTIFICATE OF COMPLIANCE

Certificate Number 20191106-EX15442
Report Reference EX15442-20160824
Issue Date 2019-NOVEMBER-06

	2" x 8"	2300 (15900)
	2" x 8-1/2"	2300 (15900)
	2" x 9"	2300 (15900)
	2" x 9-1/2"	2300 (15900)
	2" x 10"	2300 (15900)
	2" x 10-1/2"	2300 (15900)
	2" x 11"	2300 (15900)
	2" x 11-1/2"	2300 (15900)
	2" x 12"	2300 (15900)
	2" x 12-1/2"	2300 (15900)
	2" x 13"	2300 (15900)
	2" x 13-1/2"	2300 (15900)
	2" x 14"	2300 (15900)
	2" x 14-1/2"	2300 (15900)
	2" x 15"	2300 (15900)
	2" x 15-1/2"	2300 (15900)
	2" x 16"	2300 (15900)
	2" x 16-1/2"	2300 (15900)
	2" x 17"	2300 (15900)
	2" x 17-1/2"	2300 (15900)
	2" x 18"	2300 (15900)
	2" x 18-1/2"	2300 (15900)
	2" x 19"	2300 (15900)
	2" x 19-1/2"	2300 (15900)
	2" x 20"	2300 (15900)
	2" x 20-1/2"	2300 (15900)
	2" x 21"	2300 (15900)
	2" x 21-1/2"	2300 (15900)
	2" x 22"	2300 (15900)
	2" x 22-1/2"	2300 (15900)

	2" x 23"	2300 (15900)
	2" x 23-1/2"	2300 (15900)
	2" x 24"	2300 (15900)
Long Nipple	2-1/2" x 3-1/2"	2500 (17200)
	2-1/2" x 4"	2500 (17200)
	2-1/2" x 4-1/2"	2500 (17200)
	2-1/2" x 5"	2500 (17200)

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CERTIFICATE OF COMPLIANCE

Certificate Number 20191106-EX15442
Report Reference EX15442-20160824
Issue Date 2019-NOVEMBER-06

2-1/2" x 5-1/2"	2500 (17200)
2-1/2" x 6"	2500 (17200)
2-1/2" x 6-1/2"	2500 (17200)
2-1/2" x 7"	2500 (17200)
2-1/2" x 7-1/2"	2500 (17200)
2-1/2" x 8"	2500 (17200)
2-1/2" x 8-1/2"	2500 (17200)
2-1/2" x 9"	2500 (17200)
2-1/2" x 9-1/2"	2500 (17200)
2-1/2" x 10"	2500 (17200)
2-1/2" x 10-1/2"	2500 (17200)
2-1/2" x 11"	2500 (17200)
2-1/2" x 11-1/2"	2500 (17200)
2-1/2" x 12"	2500 (17200)
2-1/2" x 12-1/2"	2500 (17200)
2-1/2" x 13"	2500 (17200)
2-1/2" x 13-1/2"	2500 (17200)
2-1/2" x 14"	2500 (17200)
2-1/2" x 14-1/2"	2500 (17200)
2-1/2" x 15"	2500 (17200)
2-1/2" x 15-1/2"	2500 (17200)
2-1/2" x 16"	2500 (17200)
2-1/2" x 16-1/2"	2500 (17200)
2-1/2" x 17"	2500 (17200)
2-1/2" x 17-1/2"	2500 (17200)
2-1/2" x 18"	2500 (17200)
2-1/2" x 18-1/2"	2500 (17200)
2-1/2" x 19"	2500 (17200)
2-1/2" x 19-1/2"	2500 (17200)
2-1/2" x 20"	2500 (17200)
2-1/2" x 20-1/2"	2500 (17200)
2-1/2" x 21"	2500 (17200)
2-1/2" x 21-1/2"	2500 (17200)
2-1/2" x 22"	2500 (17200)

2-1/2" x 22-1/2"	2500 (17200)
2-1/2" x 23"	2500 (17200)
2-1/2" x 23-1/2"	2500 (17200)
2-1/2" x 24"	2500 (17200)

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CERTIFICATE OF COMPLIANCE

Certificate Number 20191106-EX15442
Report Reference EX15442-20160824
Issue Date 2019-NOVEMBER-06

Long Nipple	3" x 3-1/2"	2200 (15300)
	3" x 4"	2200 (15300)
	3" x 4-1/2"	2200 (15300)
	3" x 5"	2200 (15300)
	3" x 5-1/2"	2200 (15300)
	3" x 6"	2200 (15300)
	3" x 6-1/2"	2200 (15300)
	3" x 7"	2200 (15300)
	3" x 7-1/2"	2200 (15300)
	3" x 8"	2200 (15300)
	3" x 8-1/2"	2200 (15300)
	3" x 9"	2200 (15300)
	3" x 9-1/2"	2200 (15300)
	3" x 10"	2200 (15300)
	3" x 10-1/2"	2200 (15300)
	3" x 11"	2200 (15300)
	3" x 11-1/2"	2200 (15300)
	3" x 12"	2200 (15300)
	3" x 12-1/2"	2200 (15300)
	3" x 13"	2200 (15300)
	3" x 13-1/2"	2200 (15300)
	3" x 14"	2200 (15300)
	3" x 14-1/2"	2200 (15300)
	3" x 15"	2200 (15300)
	3" x 15-1/2"	2200 (15300)
	3" x 16"	2200 (15300)
	3" x 16-1/2"	2200 (15300)
	3" x 17"	2200 (15300)
	3" x 17-1/2"	2200 (15300)
	3" x 18"	2200 (15300)
	3" x 18-1/2"	2200 (15300)
	3" x 19"	2200 (15300)
	3" x 19-1/2"	2200 (15300)
	3" x 20"	2200 (15300)
	3" x 20-1/2"	2200 (15300)
	3" x 21"	2200 (15300)
	3" x 21-1/2"	2200 (15300)
	3" x 22"	2200 (15300)

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CERTIFICATE OF COMPLIANCE

Certificate Number 20191106-EX15442
Report Reference EX15442-20160824
Issue Date 2019-NOVEMBER-06

	3" x 22-1/2"	2200 (15300)
	3" x 23"	2200 (15300)
	3" x 23-1/2"	2200 (15300)
	3" x 24"	2200 (15300)
Long Nipple	3-1/2" x 4"	2030 (14000)
	3-1/2" x 4-1/2"	2030 (14000)
	3-1/2" x 5"	2030 (14000)
	3-1/2" x 5-1/2"	2030 (14000)
	3-1/2" x 6"	2030 (14000)
	3-1/2" x 6-1/2"	2030 (14000)
	3-1/2" x 7"	2030 (14000)
	3-1/2" x 7-1/2"	2030 (14000)
	3-1/2" x 8"	2030 (14000)
	3-1/2" x 8-1/2"	2030 (14000)
	3-1/2" x 9"	2030 (14000)
	3-1/2" x 9-1/2"	2030 (14000)
	3-1/2" x 10"	2030 (14000)
	3-1/2" x 10-1/2"	2030 (14000)
	3-1/2" x 11"	2030 (14000)
	3-1/2" x 11-1/2"	2030 (14000)
	3-1/2" x 12"	2030 (14000)
	3-1/2" x 12-1/2"	2030 (14000)
	3-1/2" x 13"	2030 (14000)
	3-1/2" x 13-1/2"	2030 (14000)
	3-1/2" x 14"	2030 (14000)
	3-1/2" x 14-1/2"	2030 (14000)
	3-1/2" x 15"	2030 (14000)
	3-1/2" x 15-1/2"	2030 (14000)
	3-1/2" x 16"	2030 (14000)
	3-1/2" x 16-1/2"	2030 (14000)
	3-1/2" x 17"	2030 (14000)
	3-1/2" x 17-1/2"	2030 (14000)
	3-1/2" x 18"	2030 (14000)
	3-1/2" x 18-1/2"	2030 (14000)
	3-1/2" x 19"	2030 (14000)
	3-1/2" x 19-1/2"	2030 (14000)
	3-1/2" x 20"	2030 (14000)
	3-1/2" x 20-1/2"	2030 (14000)
	3-1/2" x 21"	2030 (14000)

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CERTIFICATE OF COMPLIANCE

Certificate Number 20191106-EX15442
Report Reference EX15442-20160824
Issue Date 2019-NOVEMBER-06

	3-1/2" x 21-1/2"	2030 (14000)
	3-1/2" x 22"	2030 (14000)
	3-1/2" x 22-1/2"	2030 (14000)
	3-1/2" x 23"	2030 (14000)

	3-1/2" x 23-1/2"	2030 (14000)
	3-1/2" x 24"	2030 (14000)
Long Nipple	4" x 4"	1900 (13100)
	4" x 4-1/2"	1900 (13100)
	4" x 5"	1900 (13100)
	4" x 5-1/2"	1900 (13100)
	4" x 6"	1900 (13100)
	4" x 6-1/2"	1900 (13100)
	4" x 7"	1900 (13100)
	4" x 7-1/2"	1900 (13100)
	4" x 8"	1900 (13100)
	4" x 8-1/2"	1900 (13100)
	4" x 9"	1900 (13100)
	4" x 9-1/2"	1900 (13100)
	4" x 10"	1900 (13100)
	4" x 10-1/2"	1900 (13100)
	4" x 11"	1900 (13100)
	4" x 11-1/2"	1900 (13100)
	4" x 12"	1900 (13100)
	4" x 12-1/2"	1900 (13100)
	4" x 13"	1900 (13100)
	4" x 13-1/2"	1900 (13100)
	4" x 14"	1900 (13100)
	4" x 14-1/2"	1900 (13100)
	4" x 15"	1900 (13100)
	4" x 15-1/2"	1900 (13100)
	4" x 16"	1900 (13100)
	4" x 16-1/2"	1900 (13100)
	4" x 17"	1900 (13100)
	4" x 17-1/2"	1900 (13100)
	4" x 18"	1900 (13100)
	4" x 18-1/2"	1900 (13100)
	4" x 19"	1900 (13100)
	4" x 19-1/2"	1900 (13100)

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CERTIFICATE OF COMPLIANCE

Certificate Number 20191106-EX15442
Report Reference EX15442-20160824
Issue Date 2019-NOVEMBER-06

4" x 20"	1900 (13100)
4" x 20-1/2"	1900 (13100)
4" x 21"	1900 (13100)
4" x 21-1/2"	1900 (13100)
4" x 22"	1900 (13100)
4" x 22-1/2"	1900 (13100)
4" x 23"	1900 (13100)
4" x 23-1/2"	1900 (13100)
4" x 24"	1900 (13100)



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