

TX88

Quality Copper Tube



TX88 Copper Tube - BSEN 1057

BSEN 1057 TYPE X COPPER TUBE					
Outside Diameter (mm)	Wall Thickness (mm)	Nominal Weight (kg/m)	Form Straight (m)	Temper	Safe Working Pressure at up to 65°C (Bar)
15	0.7	0.281	5.8	½ H (R250)	58.7
22	0.9	0.533	5.8	½ H (R250)	51.2
28	0.9	0.685	5.8	½ H (R250)	39.9
35	1.2	1.139	5.8	H (R290)	51.5
42	1.2	1.375	5.8	H (R290)	42.6
54	1.2	1.780	5.8	H (R290)	33.0
66.7	1.2	2.208	5.8	H (R290)	26.6
76.1	1.5	3.143	5.8	H (R290)	29.2
108	1.5	4.487	5.8	H (R290)	20.4
133	1.5	5.540	5.8	H (R290)	16.5
159	2.0	8.819	5.8	H (R290)	18.5

BSEN 1057 TYPE Y COPPER TUBE					
Outside Diameter (mm)	Wall Thickness (mm)	Nominal Weight (kg/m)	Form Straight (m)	Temper	Safe Working Pressure at up to 65°C (Bar)
15	1.0	0.393	5.8	½ H (R250)	85.7
22	1.2	0.701	5.8	½ H (R250)	69.2
28	1.2	0.903	5.8	½ H (R250)	53.7
35	1.5	1.411	5.8	H (R290)	64.9
42	1.5	1.706	5.8	H (R290)	53.7
54	2.0	2.921	5.8	H (R290)	55.8
66.7	2.0	3.634	5.8	H (R290)	44.8
76.1	2.0	4.162	5.8	H (R290)	39.1
108	2.5	7.408	5.8	H (R290)	34.4

* Tube made to order where minimum order quantities are required.
1 Bar = 0.1 N/mm² = 100 kPa.

TX88 Copper Tube Features

- » **Quality Certified:** TX88 copper tube is certified to comply with BSEN1057 - Seamless, round copper tubes for water and gas in sanitary and heating applications.
- » **Internal Surface Quality:** TX88 copper tube uses special manufacturing processes to provide enhanced internal bore characteristics that offer improved corrosion resistance and levels of carbon residue well below the values set by the Standard.
- » **Multiple Applications:** TX88 copper tube has great versatility for multiple uses including hot and cold water, above and below ground services, gas reticulation, sanitary and drainage, heating and general plumbing applications.
- » **Inherent Strength:** Copper tube has inherent strength, providing good resistance to external damage, puncture, abrasion, vibration, and has a wide operating range for pressure and vacuum applications.

- » **Impervious:** Copper tube is impervious to oxygen, insecticide, solvents and toxins.
- » **Non-Flammable:** Copper tube is non-flammable and does not emit toxic fumes during fire.
- » **Pre-insulated Tube:** TX88 copper tube is also manufactured as a pre-insulated tube. TX88 'Polylag' has a plastic coating that provides increased thermal insulation, reduces noise transmission and provides better condensation control. TX88 'Polylag Premium' has a castellated plastic sleeve for premium performance.



BSEN 1057 TYPE X - POLYLAG

Outside Diameter (mm)	Wall Thickness (mm)	Nominal Weight (kg/m)	Form Straight (m)	Temper	Safe Working Pressure at up to 65°C (Bar)
15	0.7	0.281	5.8	½ H (R250)	58.7
22	0.9	0.533	5.8	½ H (R250)	51.2
28	0.9	0.685	5.8	½ H (R250)	39.9
35	1.2	1.139	5.8	H (R290)	51.5
42	1.2	1.375	5.8	H (R290)	42.6
54	1.2	1.780	5.8	H (R290)	33.0
66.7	1.2	2.218	5.8	H (R290)	26.4
76.1	1.5	3.139	5.8	H (R290)	29.2
108	1.5	4.487	5.8	H (R290)	20.4

BSEN 1057 TYPE X - POLYLAG PREMIUM

Outside Diameter (mm)	Wall Thickness (mm)	Nominal Weight (kg/m)	Form Straight (m)	Temper	Safe Working Pressure at up to 65°C (Bar)
15	0.7	0.281	5.8	½ H (R250)	58.7
22	0.9	0.533	5.8	½ H (R250)	51.2
28	0.9	0.685	5.8	½ H (R250)	39.9
35	1.2	1.139	5.8	H (R290)	51.5
42	1.2	1.375	5.8	H (R290)	42.6
54	1.2	1.780	5.8	H (R290)	33.0

BSEN 1057 TYPE Y - POLYLAG

Outside Diameter (mm)	Wall Thickness (mm)	Nominal Weight (kg/m)	Form Straight (m)	Temper	Safe Working Pressure at up to 65°C (Bar)
15	1.0	0.393	5.8	½ H (R250)	85.7
22	1.2	0.701	5.8	½ H (R250)	69.2
28	1.2	0.903	5.8	½ H (R250)	53.7
35	1.5	1.411	5.8	H (R290)	64.9
42	1.5	1.706	5.8	H (R290)	53.7
54	2.0	2.921	5.8	H (R290)	55.8
66.7	2.0	3.651	5.8	H (R290)	44.8
76.1	2.0	4.157	5.8	H (R290)	39.2

BSEN 1057 TYPE Y - POLYLAG PREMIUM

Outside Diameter (mm)	Wall Thickness (mm)	Nominal Weight (kg/m)	Form Straight (m)	Temper	Safe Working Pressure at up to 65°C (Bar)
15	1.0	0.393	5.8	½ H (R250)	85.7
22	1.2	0.701	5.8	½ H (R250)	69.2
28	1.2	0.903	5.8	½ H (R250)	53.7
35	1.5	1.411	5.8	H (R290)	64.9
42	1.5	1.706	5.8	H (R290)	53.7

* Tube made to order where minimum order quantities are required.

1 Bar = 0.1N/mm² = 100kPa.

Physical Properties of TX88 Copper Tube

Composition	Alloy C12200 Copper = 99.90% min. Phosphorus = 0.015-0.040%
Melting point	1083°C
Density	8.94 x 10 ⁻³ kg/m ³
Thermal Expansion	0.177mm /10°C.m
Modulus of Elasticity	17,000 MPa

Tube Temper	Nominal Outside Diameter	MPa*	Minimum Elongation	Hardness¥
R250 Half Hard	15 to 28mm	250	30%	75 to 100
R290 Hard	35 to 159mm	290	3%	100 min.
* MPa = Minimum tensile strength ¥ Hardness HV/5 indicative				



Compatibility and Warranty with Pegler Yorkshire products

Follow us on:



www.pegler-yorkshire.co.uk

2nd January 2017

REF: TXPYG_01



Pegler Yorkshire

CONNECT + CONTROL

Pegler Yorkshire Group Ltd
St Catherine's Ave,
Doncaster, South Yorkshire,
DN4 8DF, England.
Company no: 00401507
Telephone: +44 (0) 844 243 4400
Fax: +44 (0) 844 243 9870

To whom it may concern,

TX88 brand of copper tubeS are manufactured specifically and designed to work with all Pegler Yorkshire Group fittings brands which are Endex Capillary, Kuterlite Compression, Prestex Compression, Tectite Push Fit, VSH Xpress Press Fit & Yorkshire Integral Solder Ring fittings.

Once a full system is complete with TX88 copper tube and fittings from Pegler Yorkshire the end user will enjoy a 30 warranty.

Pegler Yorkshire Group Ltd undertake to inform immediately if this declaration is no longer valid.

Joshua Collins

Far East Sales Director

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Joshua.collins@pegler-yorkshire.com

TX88

WSD General Acceptance Letter



水務署
Water Supplies Department

總部 Headquarters
香港灣仔告士打道七號入境事務大樓 48 樓
48/F, Immigration Tower, 7 Gloucester Road, Wan Chai, Hong Kong

本署編號 : (4) in WSD 3321/18 Pt.1 T/J(1311)
Our ref. :
來函編號 :
Your ref. :

電話 :
Tel. :
傳真 : 2824 0578
Fax. :

14 January 2019

Purdon King (International) Ltd.
19/F, Tak Lee Commercial Building,
113-117 Wanchai Road, Hong Kong

(Attn.: Mr Terence IP)

Dear Sir,

Approval of "TX88" Copper Pipes (General Acceptance No. A20190004)

Your letters ref. Q-0168/18 dated 28 November 2018 and ref. Q-0181/18 dated 13 December 2018 refer.

The licence no. KM 620833 has been examined. It is noted that the British Standards Institution (BSI) has granted Nungwon Metals Company Limited the right and licence to use the Kitemark for goods as set out below. This Authority accepts that the pipes described below based on the Kitemark certificate and test reports ref. BC-SUMMARY-2018-123 & BC-SUMMARY-2018-124 both issued on 14 November 2018 by Castco Testing Centre Limited.

Name of Manufacturer: Nungwon Metals Company Limited

Country of Origin: South Korea

Brand: TX88

Details of Pipes: Copper pipes (Type X)

Temper	Size (mm)
R250	15x0.7, 22x0.9, 28x0.9
R290	35x1.2, 42x1.2, 54x1.2, 66.7x1.2, 76.1x1.5, 108x1.5, 133x1.5, 159x2



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Copper pipes (Type Y)

Temper	Size (mm)
R250	15x1, 22x1.2, 28x1.2
R290	35x1.5, 42x1.5, 54x2, 66.7x2, 76.1x2, 108x2.5

Body Markings:

For copper pipes with temper R250:
TX88 BS EN 1057 HH OD x Wall
Type Year QTR

For copper pipes with temper R290:
TX88 BS EN 1057 HD R290 OD x Wall
Type Year QTR

Expiry Date:

13 January 2022

In view of BSI granting licence to Nungwon Metals Company Limited on BS EN 1057 "Copper and copper alloys. Seamless, round copper tubes for water and gas in sanitary and heating applications" as mentioned above, approval is hereby given to the said water supply pipes to be used on fresh water plumbing systems subject to full adherence to Waterworks installation requirements.

This Authority reserves the right to withdraw the approval given to the use of the water supply pipes if they are found afterwards not suitable for use in the fresh water plumbing systems in terms of quality or unacceptability of material.

For the use of the pipes in any project, the General Acceptance Number of this letter must be quoted as a means of identification of acceptance of the pipes by this Authority.

Should you have any enquiries, please contact our Engineer Mr Terry KUNG at tel. no. 3583 4086.

Yours faithfully,

(CHAN Chung-kun)

for Director of Water Supplies

Encl.

c.c. WSD 3321/1/82] - without catalogue
ME/MC] - with soft copy only

General Acceptance No. A20190004



BSI Kitemark Certificate

bsi.
Kitemark™ Certificate

This is to certify that: **N. P. King (Hong Kong) Limited**
19/F, Tak Lee Commercial Building
113-117 Wanchai Road
Wanchai
Hong Kong

Holds Certificate Number: **KM 620833**

In respect of:
BS EN 1057
Copper and copper alloys. Seamless, round copper tubes for water and gas in sanitary and heating applications

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI:

Chris Lewis - Certification Director, Product Certification

First Issued: 2015-04-15
Latest Issue: 2019-04-05

Effective Date: 2019-04-05
Expiry Date: 2022-04-04

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...making excellence a habit.™

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PQ, United Kingdom and should be returned immediately upon request.
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

Kitemark™ Certificate
No. KM 620833

BS EN 1057:2006+A1:2010 - Copper and copper alloys. Seamless, round copper tubes for water and gas in sanitary and heating applications.

Temper	Diameter (mm)	Wall (mm)
Half-hard (R250)	15	0.7, 1.0
	22	0.9, 1.2
	28	0.9, 1.2

Temper	Diameter (mm)	Wall (mm)
Hard (R290)	35	1.2, 1.5
	42	1.2, 1.5
	54	1.2, 2.0
	66.7	1.2, 2.0
	76.1	1.5, 2.0
	108	1.5, 2.5
	133	1.5
	159	2.0

Tubes will be marked as follows:

TX88 ♡ BS EN 1057 HH OD x WALL TYPE YEAR QTR
TX88 ♡ BS EN 1057 HD R290 OD x WALL TYPE YEAR QTR

First Issued: 2015-04-15
Latest Issue: 2019-04-05

Effective Date: 2019-04-05
Expiry Date: 2022-04-04

Page: 2 of 2

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A member of BSI Group of Companies.

TX88 BSEN1057 Copper Tube Ink Marking

Ink Marking along its length shows
the Brand, Conforming Standard, mm, Type, Year and Quarter
Sample of Ink Marking for BSEN1057 TX Bare Tube



Sample of Ink Marking for BSEN1057 TX Polylag Tube

