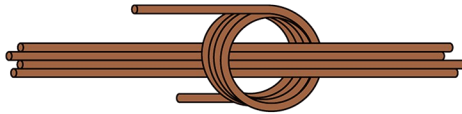




PT is Feinrohren S.p.A. Company



FEINROHREN

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§ Green Seamless ACR Annealed ASTM B280 Copper Pipe Coils



§§ Seamless ACR Annealed Copper Pipe Coils

Material is made from copper in compliance with ASTM B75 and of UNS C12200 grade; it is 99,9% pure copper.

All copper pipe is manufactured in Italy from pure mineral, not using scraps.

Ends are capped if product come as bare copper Green Seamless ACR Copper Pipe.
Ends are crimped if product come as RYNO™ line-set.

Crimped is now shorter than ever: it reduces cutting risk and it is possible to use every inch of Your copper pipe.

§§ Key References

ASTM B280 Seamless CopperTube

ASTM B75 99.9% Pure Copper

C12200 Seamless Copper Tube for Air Conditioning and Refrigeration

§ RYNO™ LineSets



§§ Seamless AC Annealed Copper Pipe Coils

RYNO™ line sets contain Green Seamless Refrigeration and AC Annealed ASTM B280 Copper Pipe Coils

§§ Polyethylene Foam Insulation

Polyethylene foam assures thermal insulation from surroundings.

+ polyethylene foam: the insulation coating is a low density closed cells polyethylene foam, CFC and HCFC damaging-ozone gas free; product is made according to ASTM C 1427-07, type I (tubular), grade I (insulation material for use on typical commercial system non-crosslinked).

+ thermal conductivity: 0,038 W/mK at 40°C (0.263 Btu in/sq.ft.°F h at 104°F) according to ISO EN 8497 and likewise to ASTM C 335-95.

+ moisture diffusion coefficient: $\mu = 5297$ according to EN 13469 and likewise to ASTM E 96-00.

+ working temperature: polyethylene foam is suitable for technical applications included in a range temperature from -101°C up to 93°C (-150°F up to 200°F) according to ASTM C 1427-07, type I (tubular), grade I (non-crosslinked).

- average bulk density: 30 kg/m³ (1,87 lb/ft³) + surface covering: polyethylene skin repair foam insulation from scratches; helpful for threading.

APPLICATIONS

+ standard color: WHITE.

+ wall thickness: 1/2 in.

+ surface burning characteristics:

++ UL 94, HBF foam test, foam tested; suitable for vertical application too.

++ UL 723 - ASTM E84 (25/50): Flame Spread Index less than 25 and Smoke Development Index less than 50 as tested according to UL 723;

+ marking: insulation is marked every feet in a similar way to the following:

<<"PT logo" PT RYNO™ - R value - 25/50 - Ø1/4 in. x 1/2 in. ft.001 date time shift>>

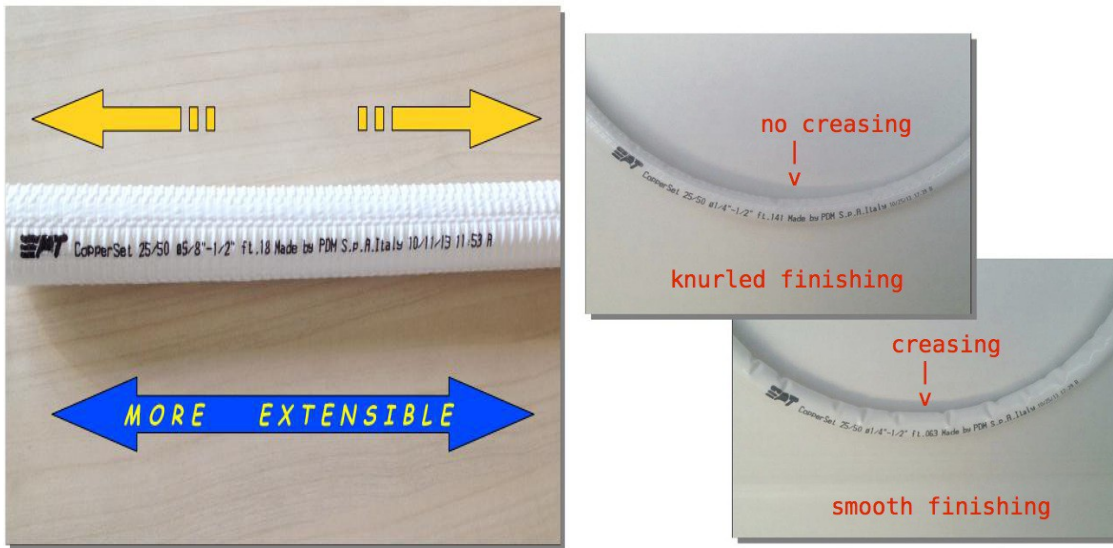
Important notes.

Insulation dimensions and thickness values are nominal ones; insulation dimensions and thickness have a tolerance due to manufacturing process and packaging; installation of RYNO™ SINGLE pre-insulated, 3/4" and 7/8" diameter requires a professional and skilled installer; the insulation is a product subjected to crushing and shrinking; the installer has to verify that the insulation thickness complies with the required International Code applications; 1 ft. distance printed on insulation is approximate, copper tube has a length non inferior than nominal one.

Other Features:

+ the KNURLED FINISHING avoids the creases due to the bending that you can see in case of SMOOTH FINISHING;

+ the KNURLED FINISHING is more extensible; therefore it's more resistant with tearing



§§ Insulation R Value

Copper nominal diameter (in.)	1/4	3/8	1/2	5/8	3/4	7/8
Insulation nominal thickness (in.)	1/2	1/2	1/2	1/2	1/2	1/2
R value	4	3	3	3	3	3

Insulation nominal thickness (in.)	3/4	3/4	3/4	3/4	3/4	3/4
R value	7	6	5	5	5	5

§§ Brass 45° Flare Fittings and Plugs

Brass 45° Flare Fittings are manufactured in Italy.

Recommended maximum working pressure: 48 bar = 700 psi.

According to:

- + SAE J513,
- + Military Standards MS-35867 through MS35873 inclusive MS-35919, MS-24815 and MS-16993

Fabricated from brass forging eliminating the possibility of seepage by porosity. Smooth interior finish provides unrestricted flow and reduced pressure drop.

Suitable for refrigerants: HCFC, HFC, HC and R744(CO2). NOT for ammonia (NH3).

Guarantee refrigerant loss lower than 0,1 g/year = 1,54 grains/year.

Cat. no.	Nominal Tube Diameter	Nominal Flare Size SAE J513	Threat ANSI/ASME B1.1		Tightening Torque Range			
	in.	in.	in.	Threat	Nm	Nm	ft. lbs.	ft. lbs.
NS4-4	1/4	1/4	7/16	20 UNF	11	14	8,11	10,32
NS4-6	3/8	3/8	5/8	18 UNF	20	25	14,74	18,43
NS4-8	1/2	1/2	3/4	16 UNF	34	47	25,06	34,64
NS4-10	5/8	5/8	7/8	14 UNF	54	75	39,8	55,28

Threaded Plastic Plugs are knurled for easy use in manual assembly and removal.


Protects threaded fittings from moisture, dust and damage during production, shipping and storage. Designed to work in low-pressure testing requirements.

Important note.


The installer has to verify that HVAC machine specs before installing the product.

§§ Packaging details

- + plastic bag per each coil;
- + label per each plastic bag;
- Ends are crimped if product come as RYNO™ line-set.
- Crimped is now shorter than ever: it reduces cutting risk and it is possible to use every inch of Your copper pipe.
- + minimum cargo unit: 1 PALLET (2 CARTONS)
- + Limit Stackable by two;
- + Quality Check data sheet per each carton;
- + coils are packaged in closed cartons to prevent any INVENTORY SHRINKING;
- + pallet nominal dimension: 29,5 x 59,1 x 5,5 in. (750x1500x140 mm);
- + pallet is 2 side fork-liftable;
- + carton nominal dimension: 29,5 x 29,5 x 41,3 in. (750x750x1050 mm)
- + Container type: 40ft High Cube ; Nominal inside size: L12x W2,35x H2,7[m] (L39'5"x W7'8"x H8'10");
- + 2 labels per each carton; 4 labels per each pallet;



0 000000 191579

1/4x50 (30pc/pal) White Ryno SINGLE 1/2 INS. Plain end
ASTM B280 25/50 PreInsul. ACR Copper Linesets
Part. no.: F100.U28050A_3310
D1/4in. |Insul.1/2in.|050 ft.|PI.
Copper Pipe OD 1/4in
Length 050 ft. | 15,24 metres
15 pcs./ carton | 30 pcs./pall.
Nom. Insul. thickness: 1/2 in.

 www.PTubesInc.com
made in Italy

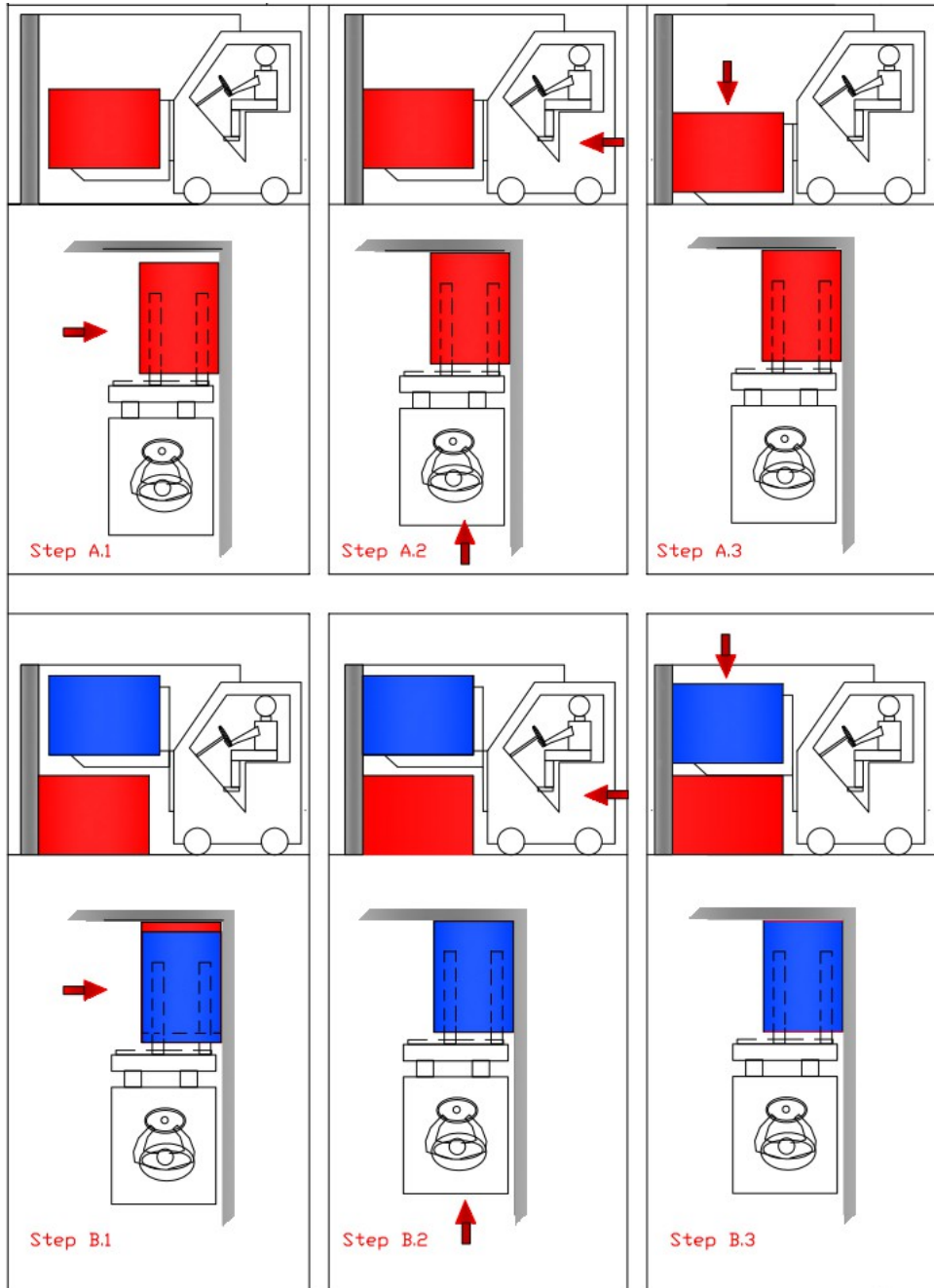
Information for manufacturing only (NOT for customer)

Part. no.: 3RGELPTU#GA076X
ROT. RAME C/L RIV. "PT" 1/4X0,76 DA 50 ft.


16019093

Numero Rt. 15 Lungh. STD Mt 15,24 Metri MT 228,6

§§ Handling



§ Important note

Official Technical Data sheet document is only that one in English version.

This document is subject to change without notice. Check for the latest version on www.PTubesInc.com