



Cupori 440 IG

Cupori 440 IG Cu-DHP is a seamless, inner-grooved tube, that is manufactured according to customer specifications. The depth and number of grooves can be tailored.

Temper: Hard or light-annealed

Delivery form: Level wound coils (LWC)

Applications



Product information

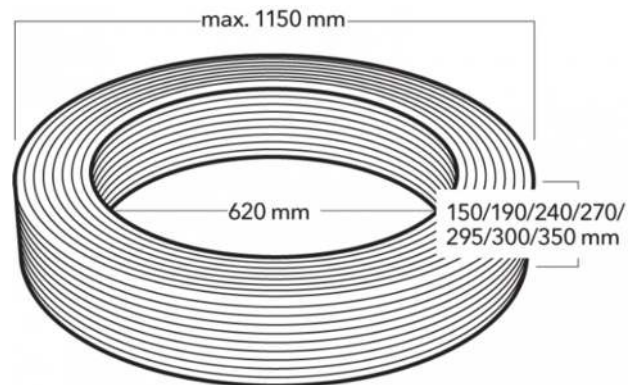
- Cupori 440 IG is manufactured from phosphorusdeoxidized copper (Cu-DHP) according to standard EN 12735-2 as well as to customer specifications
- Delivery form: level wound coils
- Temper: hard (R290) or light-annealed (R220)
- The depth and number of grooves can be selected
- Tubes can be delivered capped or crimped closed, if specified
- Solutions for coil lifting and decoiling equipment are available

Advantages

- internal grooving increases the thermal transmission capacity of a tube to 2-3 times than that of a normal smooth copper tube
- customer can decoil tube directly from the pallet
- decoiling either from the center or the outside
- good mechanical properties
- good workability
- corrosion resistant
- seamless copper tube of uniform quality
- each tube eddy current tested during manufacture
- 100 % recyclable

Application areas

- boilers
- cable shoes
- district heating
- filter dryers
- fittings
- heat exchangers
- heat pumps heating and cooling elements
- industrial gases and carbon dioxide
- radiators
- RF-cables
- solar panels
- spouts and shower rails
- taps and supply tubes
- towel rails
- other industrial applications



Coil dimensions.

Product range

Outer diameter of tube: 7,0-12,70 mm

Groove height: 0,15-0,25 mm

Standard coil weights: 120/180/360 kg

Minimum coil weight: 90 kg

Please contact us if your requirements are outside the above range.

Packaging

Inner-grooved tubes in level wound coils are delivered either with or without cardboard reels, according to customer specifications. The coils are shrink wrapped on a pallet. If necessary, inhibitor can be used, which protects the tubes from moisture and oxidation during transportation and storage.

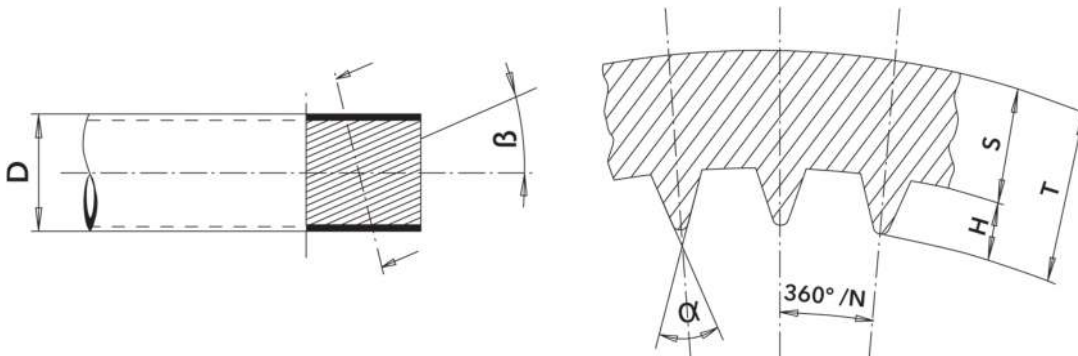


Height of tube in level wound coils on cardboard reel: 150/190/240/295/350 mm

Diameter of hole in centre of reel: 130 mm

Pallet dimensions: 1050 x 1050 mm or 1150 x 1150 mm

Max. height of pallet: 2100 mm



Standard dimensions

Outer diameter (D), mm	Bottom wall thickness (S), mm	Groove height (H), mm	Total wall thickness with groove, (T)	Number of grooves	Groove angle, (α°)	Pitch angle, (β°)	Weight, g/m	Burst pressure, bar
7,94	0,30	0,20	0,50	50	50	18	77	173
9,52	0,28	0,20	0,48	60	30	18	85	133
9,52	0,30	0,20	0,50	60	30	18	90	143
9,52	0,34	0,20	0,54	60	30	18	100	163
9,52	0,40	0,20	0,60	60	30	18	114	193
9,52	0,45	0,20	0,65	60	30	18	126	218
9,52	0,50	0,20	0,70	60	30	18	141	244
12,00	0,30	0,25	0,55	70	50	18	127	100
12,00	0,32	0,25	0,57	70	50	18	134	106
12,00	0,35	0,25	0,60	70	50	18	143	117
12,70	0,35	0,25	0,60	65	50	18	146	110
12,70	0,40	0,25	0,65	70	50	18	167	126