



Clamping and Fixing Systems



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Perforated Band Hose Clamps / 8.5 mm. Band Hose clamps.



8.5 mm. Band Hose clamps.

Types of screw

Screw Head	W1	W1
SW 7		
	Phillips head	Optional - Slotted head

8.5 mm. Band Hose clamps.

TECHNICAL FEATURE AND SIZE LIST

Diameter (mm)	Diameter (inch)	Band Width b1	Band Thickness ± 0.1	Cover		Torque Value		Coating Thickness Min μm	Screw Head SW	Quantity Pcs/Box
				b2 max	h max	Min Nm.	Max (est.) Nm.			
8-12	5/16"-1/2"	8.5	0.6	11.2	10.1	2.5	5,5	8	7 -0.15	1000
10-16	3/8"-5/8"	8.5	0.6	11.2	10.1	2.5	5,5	8	7 -0.15	1000
12-20	1/2"-3/4"	8.5	0.7	11.2	10.1	4	6	8	7 -0.15	1000
13-19	1/2"-3/4"	8.5	0.7	11.2	10.1	4	6	8	7 -0.15	1000
16-25	5/8"-1"	8.5	0.7	11.2	10.1	4	6	8	7 -0.15	1000

Clamp band & cover

Norm Standard

- DIN 1623 P2 - Steel flat products; cold reduced sheet and strip
- DIN EN 10130:1999 - Cold-rolled low-carbon steel flat products for cold forming.

Types of clamp band

- Only W1 - Perforated band
- Band width 8.5 mm
- Safety - convex band edges avoid damage of fastened hose

Screw

Norm Standard

- DIN EN 10263 grade Cq 15 - Steel rod, bars and wire for cold heading and cold extrusion
- Across flats width is (SW) 7 mm. in all products

Salt spray testing details

Hose Clamps	Colour	Corrosion Resistance
Standard	Light Blue	150 - 250 h (est.)
Optional	Yellow	250 - 350 h (est.)

- Tork Hose Clamps are applied to 'Salt Spray Test' according to ASTM B 117 standard.
- No chromium VI used for the coating of the closure components
- Manufactured according to DIN 3017 standard.

Product Quality Performances

Advantages Tork Hose Clamps offer:

- It can guarantee maximum impermeability with minimum rotation force.
- It can be high regulated to all diameters owing to its calibrated housing form.
- Flat inside of the band avoids permanent deformation which happens as a result of excessive tightening so that is suitable for on hoses that thermally -

stressed and have sensitive surface

- Tork Hose Clamps are multi - purpose clamps series Which are designed to use for different hose diameters.
- Tork Hose clamp's most important advantage is that it can achieve maximum impermeability with minimum rotation torque owing to the clamp's narrow - band structure.

HOW MUCH TORQUE FOR HOSE CLAMPS ?

The answer to this is "enough to fully compress the hose and no more". Since the force required is effected by various factors such as Durometer (hardness of the hose material), surface friction of hose clamps screw, interfacing friction between hose and clamp, temperature, hose material, hose clamp efficiency, finish, etc. The exact torque value to seal is best arrived at by more by actual testing than theoretical calculations. General values to fully compress the hose material may run from about 0.56-1.0 Nm for clamps with screws of size 6-32 to 1.2-2.2 Nm for 12-24 screws on larger clamps. Worm gear clamps utilize 6.3mm (1/4") screws and clamp at 1.7-2.8Nm . Care should be taken not to fall prey to the idea that "more is better". Joints that do not seal at values in these ranges have problems other than torque.

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