
 <p>Sri Lanka Telecom One Country. One Voice.</p>	<p>Specification for OSP Material Steel Band and Buckle OQMS SGD 013</p>	<p>Issue No. : 01 Date of Issue : 25-May-2012 Revision No. : Nil Date of Revision : Nil Page : 1 of 6</p>
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1 Scope

This specification covers requirement for Steel Bands that used for binding the Distribution Boxes to the Concrete poles.

2 References

None

3 Materials and Construction

Steel Band: Type 304 Stainless Steel Band (18-8 Chromium-Nickel Stainless

Steel strapping)

Buckle: Austenitic stainless Steel 300 Series which shall comply with ASTM A 666-96b, Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate and Flat Bar

4 Characteristics and Requirements

4.1 Properties

Typical compositional ranges for grade 304 stainless steels of are given in table 1.

Table 1. Composition ranges for 304-grade stainless steel

Grade		C	Mn	Si	P	S	Cr	Mo	Ni	N
304	min.	-	-	-	-	-	18.0	-	8.0	-
	max.	0.08	2.0	0.75	0.045	0.030	20.0	-	10.5	0.10
304L	min.	-	-	-	-	-	18.0	-	8.0	-
	max.	0.030	2.0	0.75	0.045	0.030	20.0	-	12.0	0.10
304H	min.	0.04	-	-	-	-	18.0	-	8.0	-
	max.	0.10	2.0	0.75	0.045	0.030	20.0	-	10.5	-

Table 1

Typical mechanical properties for grade 304 stainless steels are given in table 2.


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Table 2. Mechanical properties of 304 grade stainless steel

Grade	Tensile Strength (MPa) min	Yield Strength 0.2% Proof (MPa) min	Elongation (% in 50mm) min	Hardness	
				Rockwell B (HR B) max	Brinell (HB) max
304	515	205	40	92	201
304L	485	170	40	92	201
304H	515	205	40	92	201
304H also has a requirement for a grain size of ASTM No 7 or coarser.					

Table 2

The required dimensions are given as follows:

Drawing 1 – Steel Band (10mm) and Buckle (13.5mm)

Drawing 2 – Steel Band (20mm) and Buckle (22mm)

4.2 Workmanship

Both the band and the buckle shall be matt finish with smooth edges.

- 4.3 The supplier shall submit a certificate on the steel grade used to manufacture the steel band and buckle with his samples for tender purposes.

4.4 Packaging

Packing shall be arranged properly either in standard cardboard packaging or in plastic dispenser in order to use and transport easily. All sizes shall be clearly seen.

The stainless steel band shall be coiled on 50 m lengths. 50 buckles shall be supplied with each 50m length of steel band unless specified.

5 Marking


Following indelible marking shall be made on the surface of the package and be clearly seen.

5.1 Manufacturer's Name

5.2 Steel Type

5.3 Date of manufacture

5.4 SLT Logo – Current valid specification of logo shall be obtained from the Procurement Division, SLT for tender purposes.

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6 Methods of Test

6.1 Dimensions – Drawing compatibility – This shall be tested from quality assurance section at the reception of material





