

1. NAME OF COMPONENT – SHIM

2. DRAWING NO. - 5048628

3. Size-1.6TK.X20X53LG.

4. CARBON STL.SHT.

5. **HEAT TREATMENT:**

Sheets and coils shall be fully annealed and skin passed.

9.0 FREEDOM FROM DEFECTS:

The material shall be free from harmful defects such as scale, rust, blisters, laminations, pitting, Cracked edges, etc.

6. CHEMICAL COMPOSITION:

The melt analysis of steel and the permissible variation in the composition of the material from the melt analysis shall be as follows:

Element	Melt analysis, percent, max.	Permissible variation percent, max.
Carbon	0.12	0.02
Manganese	0.50	0.03
Sulphur	0.040	0.005
Phosphorus	0.040	0.005

7. MECHANICAL PROPERTIES:

12.1 Bend Test:

The test piece shall be capable of being bent cold through 180° close without showing sign of cracks or fracture on the outer convex surface.

Bend test shall be carried out in accordance with IS : 1599.

12.2 Hardness (VICKERS):

When tested as per IS: 1501, the test pieces shall show a Vickers hardness as given below:

Up to & Incl. 1.25 mm, thick: 115 HV, max.

Above 1.25 mm, thick: 125 HV, max.

