



CORPORATE PURCHASING SPECIFICATION

AA 107 39

Rev. No. 08

PREFACE SHEET

**AUSTENITIC STAINLESS STEEL SHEETS, PLATES AND STRIPS -
SOLUTION ANNEALED (ASTM A 240M, TYPE 304)**

FOR INTERNAL USE ONLY
REMOVE THIS PREFACE SHEET BEFORE ISSUE TO SUPPLIERS

Comparable Standards:

- 1. AMERICAN : ASTM A 240M
Type 304, Solution annealed.
- 2. INDIAN : IS: 6911 - 1992
Gr: X 04Cr 19 Ni 9 Solution annealed
- 3. EUROPEAN : EN 10088-2, Gr: X5CrNi18-10

Suggested/Probable Suppliers and Grades:

Refer Plant Vendors list

User Plant References:

- 1. HEER - HARDWAR : HW 021 02 99
- 2. BHOPAL : PS10587, PS10512-Sheets & Plates
- 3. HYDERABAD : AISI 304; ASTM A 240M, Gr: TP304;
- 4. TRICHY : ASEA 2 2333-02
: AISI 304

Revisions :
CI 28.4.16 of MOM of MRC-S&GPS

**APPROVED: Interplant Material
Rationalization Committee-MRC (S&GPS)**

Rev. No. 08	Amd.No.	Reaffirmed	Prepared HARDWAR	Issued Corp. R&D	Dt. of 1st Issue JUNE, 1978
Dt.:09.01.2007	Dt :	Year :			

COPYRIGHT AND CONFIDENTIAL
The Information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED
It must not be used directly or indirectly in any way detrimental to the interest of the company.

COPYRIGHT AND CONFIDENTIAL
 The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED
 It must not be used directly or indirectly in any way detrimental to the interest of the company.



CORPORATE PURCHASING SPECIFICATION

AA 107 39

Rev. No. 08

PAGE 1 OF 2

**AUSTENITIC STAINLESS STEEL SHEETS, PLATES AND STRIPS -
 SOLUTION ANNEALED (ASTM A 240M, TYPE 304)**

ORDERING DESCRIPTION

1.0 GENERAL :

The sheets, plates and strips shall conform to the latest version of ASTM A 240M, Type 304 and comply with the following additional requirements.

2.0 APPLICATION :

For general engineering purposes, where corrosion resistance is essential.

3.0 CONDITION OF DELIVERY:

Hot/Cold rolled, solution annealed and descaled (Finish number 1 or 2 B/2D).

4.0 DIMENSIONS AND TOLERANCES

Material shall be supplied to the dimensions specified in BHEL order.

5.0 CHEMICAL COMPOSITION :

As per ASTM A 240M, Type 304.

6.0 TEST CERTIFICATES :

Three copies of test certificates shall be supplied along with the following information:

BHEL References :

AA 107 39 -Rev. No.08 / ASTM A 240M, Type:304
 BHEL order No,

Supplier's References :

Name
 Identification No.
 Melt No.
 Process of manufacture
 Details of heat treatment.

Result of Tests:

Dimensional inspection.
 Results of chemical analysis, mechanical tests

Revisions :
 CI 28.4.16 of MOM of MRC-S&GPS

**APPROVED: Interplant Material
 Rationalization Committee-MRC (S&GPS)**

Rev. No. 08	Amd.No.	Reaffirmed	Prepared HARDWAR	Issued Corp. R&D	Dt. of 1st Issue JUNE, 1978
Dt.:09.01.2007	Dt :	Year :			

**7.0 PACKING AND MARKING :**

Sheets shall be supplied in bundles or in packages each weighing upto a maximum of 3000kg. Plates shall be suitably packed to prevent damage during transit.

For plates below 25 mm thick, each pile (preferably of 16 plates) shall be marked with suppliers identification mark, 'AA 107 39 / ASTM A 240M, Type:304, melt No., BHEL order No., on the top plate.

Each plate of 25mm thickness and above shall be stamped/painted with the suppliers identification mark, 'AA 107 39 / ASTM A 240M, Type:304 , melt No., BHEL order No., on the top plate.

FOR INFORMATION ONLY**CHEMICAL COMPOSITION**

C	Si	Mn	Ni	Cr	S	P	N
≤ 0.08	≤ 0.75	≤ 2.0	8.0-10.5	18.0 -20.0	≤ 0.030	≤ 0.045	0.10

MECHANICAL PROPERTIES

Hardness Max		0.2% PS min N/mm ²	UTS min N/mm ²	% El min	Bend Test Dia.
BHN	HRB				
201	92	205	515	40	-