

APPX. "A"

NATURE-C

Highly stressed/Critical/Moderately stressed components.

NAME OF TESTS WITH GOVERNING SPECIFICATION

(i) Macro etch test as per ASTM-E-381 OR IS:13015:1991.

SAMPLING PLAN

- (a) 2 Nos. from a bulk upto 5 MT
- (b) 3 Nos. from a bulk over 5 MT

ACCEPTANCE STANDARD

- (a) Better than or equivalent C2, R2, S2 for Plate I and NIL for Plate II (if samples are taken from Bars, Billets & Blooms).
- (b) Free from Cracks, flakes segregation, porosity, slag inclusion, rolled in scale etc. (if samples are taken from finished size of the basic material).

NAME OF TESTS WITH GOVERNING SPECIFICATION

ii) Determination of Inclusion content as per IS:4163-²⁰⁰⁴~~1982~~ ~~Fig~~

SAMPLING PLAN

- (a) 2 Nos. from a bulk of 5 MT
- (b) 3 Nos. from a bulk over 5 MT

ACCEPTANCE STANDARD

INCLUSION CONTENT SHALL NOT EXCEED:-

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(i) BARREL AND OTHER STRESSED COMPONENTS OF SMALL ARMS & WEAPONS
(as per IS:4163-2004)^K

A		B		C		D		DS
Thin	Thick	Thin	Thick	Thin	Thick	Thin	Thick	NIL
1.5	0.5	1.5	NIL	1.5	NIL	1.5	0.5	

(ii) MODERATELY STRESSED / NON STRESSED COMPONENTS OF SMALL ARMS & WEAPONS
(as per IS:4163-2004)

A		B		C		D		DS
Thin	Thick	Thin	Thick	Thin	Thick	Thin	Thick	NIL
2.0	1.0	2.0	NIL	2.0	NIL	2.0	1.0	