



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

**Laboratory** Precision Metals, Atkargaon, Takai-Adoshi, Khopoli, Tal. Khalapur, Dist. Raigad, Maharashtra

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-7196

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**Validity** 26.04.2018 to 25.04.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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### MECHANICAL TESTING

I.	MECHANICAL PROPERTIES OF METALS			
1.	<b>Stainless Steel</b>	<b>Tensile Test</b>		
		Ultimate Tensile Strength	ASTM A 370 IS 1608	440 N/mm <sup>2</sup> to 1500 N/mm <sup>2</sup> (10 kN to 400 kN load)
		0.2 % Proof Stress	ISO 6892	150 to 1200 N/mm <sup>2</sup> (10 kN to 400 kN load)
		1.0 % Proof Stress		150 to 1200 N/mm <sup>2</sup> (10 kN to 400 kN load)
		Yield Strength		150 N/mm <sup>2</sup> to 1200 N/mm <sup>2</sup> (10 kN to 400 kN load)
		Elongation		8 % to 80 %
		Reduction Area		10 % to 70 %
		Impact Test		
		Charpy 'V' Notch (CVN)	ISO 148 (Part 1)	2 J to 240 J
		Izod 'V' Notch	BS 131 (Part 1)	2 J to 168 J
		<b>Hardness</b>		
		Brinell	ASTM E 10	110 HBW to 500 HBW 2.5 Ø/187.5 kgf ) 110 HBW to 500 HBW (10 Ø /3000 kgf)
		Rockwell	ASTM E 18	20 HRC to 70 HRC 20 HRBW to 100 HRBW

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