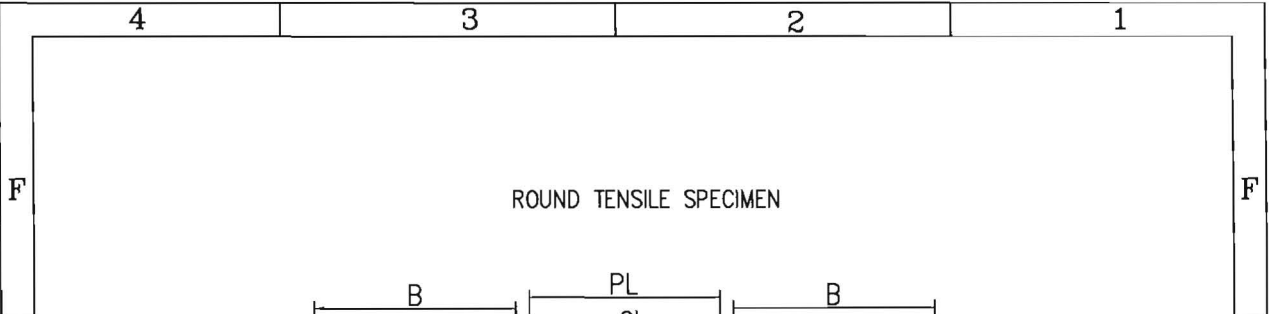


MACHINING DEVIATION TO IS:2102 (MEDIUM GRADE) UNLESS SPECIFIED OTHERWISE

LENGTH OR DIA

INDEX AMEND.No. DATE



| SL No. | Specimen ID. | GL | B | R(min) | d | D | PL | TL (Ref) |
|--------|-----------------|----|----|--------|-----------------------|----|----|----------|
| 1 | TTS/Subscale/R1 | 24 | 55 | 6.00 | 6.00 ^{±0.1} | 10 | 32 | 151 |
| 2 | TTS/Standard/R2 | 50 | 65 | 12.50 | 12.50 ^{±0.1} | 20 | 57 | 205 |

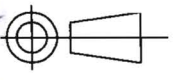
NOTE:

- The reduced section may have gradual decrease in dia from ends to the center, but the dia at each end shall not be more than 1% larger than the dia at the center.
- Dimension PL & B shall be adjusted, if required for matching dimension R
- There should not be any cutter dip and tool mark in the curved portion as well as gauge area.
- Engrave specimen identification no at location 'P'.

| | | |
|---------------------------------------------------------------------------|-----------------------------------|---------------------------|
| DO NOT SCALE THE DRAWING ASK IF IN DOUBT. ALL DIMENSIONS ARE IN mm. | MATERIAL <u>As specified</u> | SURFACE TREATMENT _____ |
| | Mechanical properties _____ | _____ |
| Concentricity | General tolerance _____ | SURFACE FINISH <u>0.8</u> |
| Perpendicularity | Thread tolerance _____ | |
| Angularity | Thread chamfer & under cut. _____ | MARKING _____ |
| Parallelism | Radii not specified _____ | |
| | Chamfers not specified _____ | |

| | | |
|-------|-----------------------------------------------------------------------|-------------------------------|
| TITLE | Round Tensile Test Specimen Room Temperature (Ref: ASTM E8-15a) | Calculated Weight _____ Kg |
|-------|-----------------------------------------------------------------------|-------------------------------|

| | | | |
|-------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------|
| DRN. | <i>kannan</i> | GOVERNMENT OF INDIA INDIAN SPACE RESEARCH ORGANISATION LIQUID PROPULSION SYSTEMS CENTRE VALIAMALA TRIVANDRUM-695547 | ISSUE No. |
| CHD. | <i>Ravi Ranjan</i> 09/05 | | |
| REVD. | <i>Anoop C R</i> 05/05/18 | DRG.No. | Rev. No. |
| APPD. | <i>Thomas Tharian</i> 09/05 | LPSC/MME/AML/TTS/ROUND/RT | RO |
| 2018 | SIGN. DATE | SCALE NTS | SHEET 1 OF 1 |



FORMAT
A4