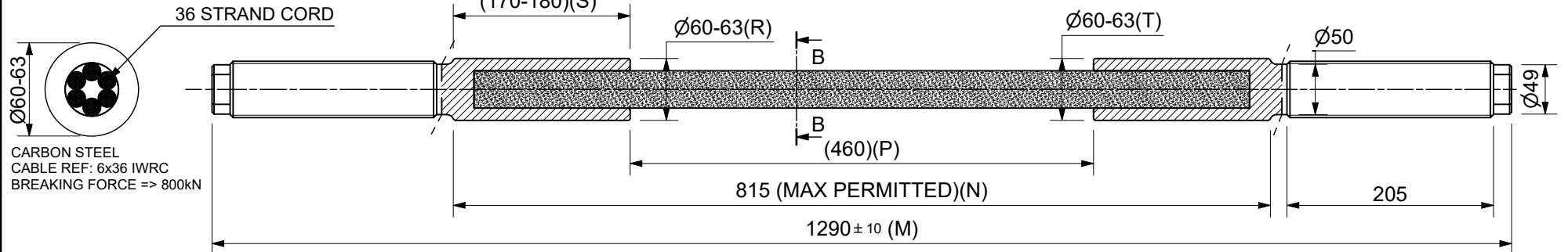


BEFORE CRIMPING

SECTION B-B

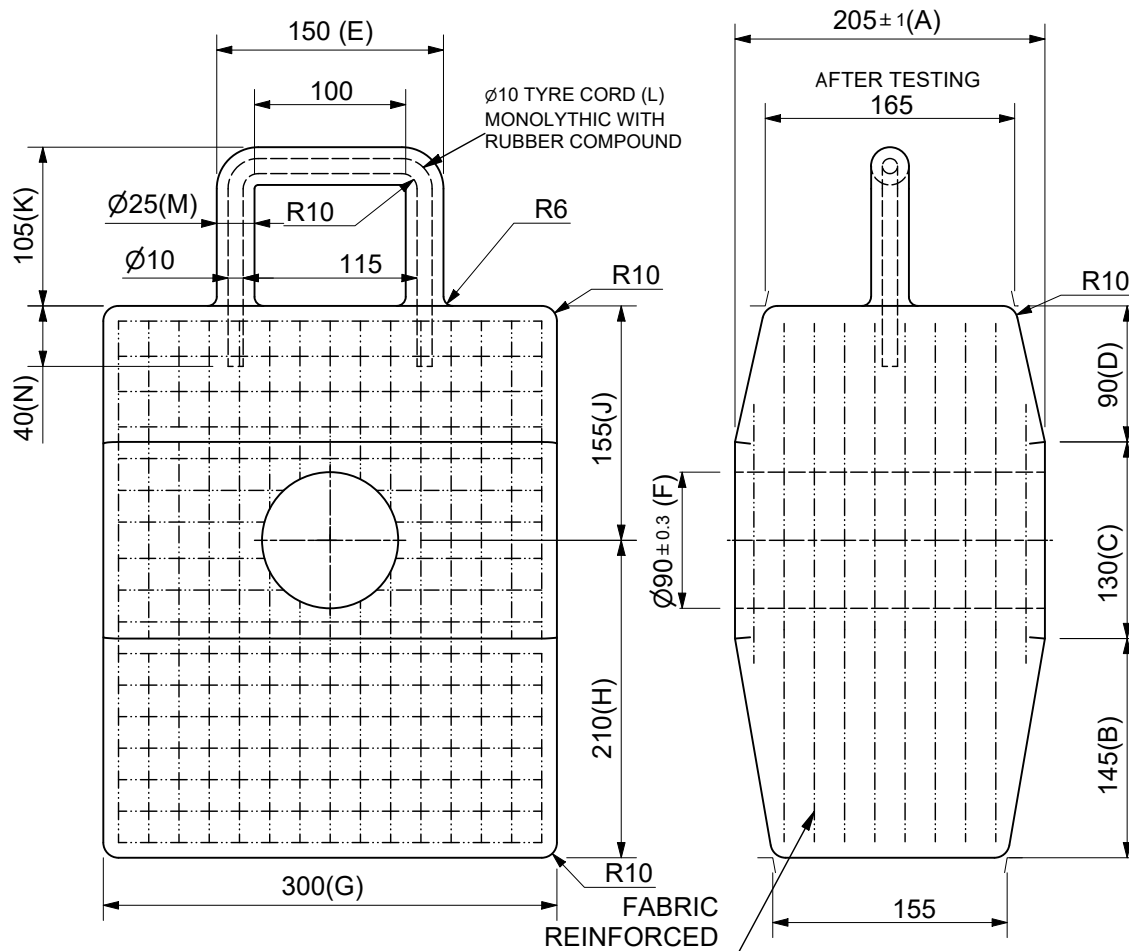


AFTER CRIMPING



AFTER VULCANISING

MILSON ELASTOMERIC SOLUTIONS (PTY) LTD						TRANSNET GROUP CAPITAL				Transnet Group Capital																																						
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(MASS 24Kg)

RUBBER SPECIFICATIONS (BEARING)

HARDNESS 68-75° SHORE A (DIN 53505) 3 SEC DELAY (P)
 TENSILE => 20MPa
 ELONG => 400%
 COMPRESSION SET =< 15% (72 Hrs @ 23° C)
 THE RUBBER IS UV RESISTANT & FABRIC REINFORCED TO ACHIEVE THE REQUIRED STIFFNESS.

BEARING COMPRESSIVE STIFFNESS = 15.5 kN/mm
 (ie) @ 140 kN, DEFLECTION = 9mm ± 10%.

THE BEARING MUST ALSO BE TESTED FOR ROTATIONAL STIFFNESS WHICH @ 6.05° MUST NOT EXCEED 50kN.

BEARING "COMPRESSION SET" TEST

THE "COMPRESSION SET" TEST IS ONLY PERFORMED ON ONE BEARING IN ORDER TO ENSURE THAT THE POLYMER AND THE REINFORCING CONFIGURATION OF THE BEARINGS ARE SUITABLE FOR SERVICE.

- ONCE THE BEARING HAS PASSED THE SPRING RATE TEST (15.5 kN/mm), IT MUST BE ALLOWED TO RECOVER FOR A MINIMUM OF 2 HOURS BEFORE THE "COMPRESSION SET" TEST IS PERFORMED.
- MEASURE THE THICKNESS OF THE BEARING (RECORD THE SIZE), THEN PLACE IT HORIZONTALLY IN THE TEST PRESS AND SUBJECT IT TO A VERTICAL LOAD OF 140 kN FOR 12 HOURS.
- REMOVE FROM TEST PRESS AND ALLOW A 3-HOUR RECOVERY PERIOD, THEN REMEASURE THE THICKNESS.
- THE DIFFERENCE BETWEEN THE TWO SIZES MUST BE DIVIDED BY THE INITIAL THICKNESS TO OBTAIN THE "COMPRESSION SET" VALUE WHICH MUST NOT EXCEED 0.5%.

E.G. ORIGINAL THICKNESS = 206MM
 RECOVERED THICKNESS = 205MM
 206-205 = 1MM
 $\frac{1}{206} = 0.0048 = 0.48\%$
 206

REFER BEARING INSPECTION REPORT FOR PRODUCT SIZES

TOLERANCE ± 2mm UNLESS OTHERWISE SHOWN

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