

Testing of our Weld Ells and The Results:

In the quest for performance even the little thing can cost you a win. When every second counts the end user most now that all of his components are working together to their utmost efficiency and provide the best possible product that Treadstone Performance Has to offer. In Treadstone Performance Engineering's continuing mission to better every aspect of our product line we periodically test every product we offer until destruction this process allows us to identify how the product worked, how it broke and under what conditions.

Our Weld Ells meet the requirements to meet the strict ASTM A403/A403 M ratings

Test Results:

Chemical Analysis:

Composition %	C	Mn	Si	S	P	Ni	Cr
Req. Min	-	-	-	-	-	8.000	18.000
Req. Max	0.080	2.000	1.000	0.030	0.045	11.000	20.000
Observed	0.039	1.596	0.608	0.012	0.024	8.300	18.285

Mechanical Properties:

Parameter	Yield Strength (N/mm ²) MPa	Tensile Strength (N/mm ²) MPa	Elongation Test (%) 50mm	Reduction Area (%)	Hardness HB
Requirement	205.00 min	515.00 min	20.0 min	--	--
Observed	228.75	538.03	34.60	--	--