

# Sucker Rod HS/ Grade D



Sucker rods supplied by Qteq are all built in accordance to the specifications given by standard API 11BR. Suppliers of this equipment are all required to submit the quality documentation relating to each shipment and confirm conformance of the shipment batch.

Qteq actively tests the robustness of the suppliers' quality check systems by also performing batch checks according to the API specifications to ensure conformity of the supplied product.

## Features and Benefits

- Supplier Quality system audited against ISO 9001- 2008
- All equipment manufactured to specification API 11BR
- Qteq internal technical inspection process improves quality of produce delivered to client.



## Specifications

<b>Chemical Properties</b>	AISI 4140 (42CrMo)	AISI 4340
<b>C</b>	0.38 – 0.45	0.30 – 0.35
<b>Mn</b>	0.5 – 0.8	0.8 – 1.1
<b>Si</b>	0.17 – 0.37	0.15 – 0.35
<b>P</b>	≤0.025	≤0.025
<b>S</b>	≤0.025	≤0.025
<b>Cr</b>	0.9-1.2	0.8 -1.1
<b>Ni</b>	≤0.3	1.65 – 2.00
<b>Mo</b>	0.15 – 0.25	0.2 – 0.3
<b>Physical Properties</b>	Grade D	High Strength
<b>Tensile Strength</b>	793 - 965 Mpa	965 – 1195 Mpa
<b>Yield Strength</b>	≥586 Mpa	≥793 Mpa
<b>Elongation</b>	≥10%	≥10%
<b>Reduction of Area</b>	≥50%	≥45%