



Approved Manufacturer of Steel Forgings

Manufacturer	Reinosa Forgings & Castings S.L.
Address	Paseo Alejandro Calonge nº1, Reinosa, 39200, Spain
Type	Steel Forgings
Scope of Approval	Steel Forgings Carbon, Carbon/Manganese Steel, Alloy, Austenitic Stainless Steel Maximum weight, 90 tonnes.

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given on subsequent pages of this certificate.

This certificate is issued to the named manufacturer, and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate, and reserves the right to cancel or withdraw this certificate.



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Metallurgy Team - Lead Specialist to Lloyd's Register EMEA
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Steel Forgings	Forgings	Grades	Maximum Weight	Units
-	-	Alloy	90.00	Tonnes
-	-	austenitic stainless	90.00	Tonnes
-	-	Carbon	90.00	Tonnes
-	-	Carbon-manganese	90.00	Tonnes

Additional Remarks

Approval covers semi built crankshafts with a K factor K1 = 1.05.

Approval covers surface deep rolling process K2 = 1.20.



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