



Approved Manufacturer of Steel Forgings

Manufacturer	CELSA "HUTA OSTROWIEC" Sp. z o.o.
Address	ul.Samsonowicza 2, Ostrowiec Swietokrzyski, 27-400, Poland
Type	Steel Forgings

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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Li Xu

Lead Specialist - Fracture Mechanics and Fatigue Analysis to Lloyd's Register EMEA
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Steel Forgings	Forgings	Grades	Maximum Weight	Units
-	-	Alloy	125.00	Tonnes
-	-	Carbon	125.00	Tonnes
-	-	Carbon-manganese	125.00	Tonnes

Additional Remarks

Including closed die forged crankshafts manufactured by TR process with K factor > 1.0 for approved applications



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