



Approved Manufacturer of Steel Forgings

Manufacturer	ZARMEN FPA Sp. z o.o.
Address	ul. Filarskiego 39, 37-330 Zdzeszowice, Poland
Type	Steel Forgings
Scope of Approval	Steel Forgings Forgings and Rolled Rings, details as per Appendix.

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.



71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Clive Arnold

Lead Metallurgist: Metallurgical Assurance to
Lloyd's Register EMEA
A member of the Lloyd's Register group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Approved Manufacturer of Steel Forgings

Steel Forgings	Forgings	Grades	Maximum Weight	Units
Normalized	-	Carbon	28.00	Tonnes
Quenched and Tempered	-	Carbon	28.00	Tonnes
Normalized	-	Carbon-manganese	28.00	Tonnes
Quenched and Tempered	-	Carbon manganese	28.00	Tonnes
Quenched and Tempered	-	Alloy	28.00	Tonnes

Steel Forgings	Rolled Rings	Grades	Maximum Weight	Units
Normalized	-	Carbon	6.00	Tonnes
Quenched and Tempered	-	Carbon	6.00	Tonnes
Normalized	-	Carbon-manganese	10.00	Tonnes
Quenched and Tempered	-	Carbon-manganese	10.00	Tonnes
Quenched and Tempered	-	alloy steel	7.00	Tonnes

Additional Remarks

Approval for Rolled Rings is to a maximum 4000mm outside diameter and 1000mm height.



71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

