

ZHEJIANG SHIDAI CASTING CO., LTD.

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CERTIFICATE OF MATERIALS IN ACCORDANCE WITH EN 10204-2004/3.1..

<b>Client:</b> JC Manufacturing Group(Shanghai)Co.,Ltd Tel:021-57792345-238 Fax:021-57792277	<b>P.O. N° :</b> <b>DATE : 2021-12-05</b>	<b>MAT.CERT. N° SD21120507-C11388</b> <b>DATE : 2021-12-05</b>
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<b>COMPONENT</b> <b>DWG/PATERN N°: 0540032C</b> <b>NAME : BODY DN PN</b>	<b>SPECIFICATION / MATERIAL</b> <b>EN 10213:2007</b> <b>1.4408</b>
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<b>HEAT TREATMENT:</b> Solution 1080 °C to 1150 °C W.Q.	<b>MELTING PROCESS:</b> INDUCTION	<b>OTHER SPECS. AGREED:</b> AD 2000- MERKBOLATT W0 and DIN 1690 part 2 Grade S3 / V3 are met
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CHEMICAL COMPOSITION %											PHYSICAL PROPERTIES						
		C	Si	Mn	P	S	Cr	Ni	Mo	Cu	V	Yield St. 1.0%	Tensile St.	Elonga Tion	Reduc. Area	Hardness	Impact Test ISO V
Heat N°	Qty	0.07	1.50	1.50	0.040	0.030	20.0 18.0	12.00 9.00	2.50 2.00	0.50		Min Mpa 210	Min/Max MPa 440-640	Min % 30	Min % -	Max HB -	Min J 35 (-50°C)
1K02	300	0.042	0.62	1.15	0.030	0.005	18.32	9.20	2.11	0.13		250	535	49		157	126/148/143
1K03	351	0.041	0.70	1.21	0.027	0.004	18.45	9.25	2.09	0.14		265	560	47		156	143/127135

(\* ) Mechanical tests at room temperature (20 °C) except impact tests at - 50 °C (Minus fifty degrees centigrade)

**REMARKS**

- 1.- Visual inspection: accepted according to MSS-SP 55.Other information: no major repairs carried out.
- 2.- We certify that the above material has been manufactured and processed according to requirement of the above P.O.
- 3.- The results above indicated are exact transcription from the corresponding certificates , which are filed in our factory, emitted by our homologated suppliers.

ZHEJIANG SHIDAI CASTING CO., LTD.  
( AD- Merkblatt W0/TRD 100 approved)

Quality Control Dep.