

**Factory Add:**

No 257-4, SEOKJEONG-RI, DAEGOT-MYEON, GIMPO-SI, GYEONGGI-DO, KOREA.
ROSSI FORGING INDUSTRIES.

**Head Office Add:**

UNIT 206, 113 WORLD CUP-RO, MAPO-GU, SEOUL, SOUTH KOREA
www.rossiforging.com

INSPECTION CERTIFICATE

EN10204 / 3.1 2004 -ASME B16.5 -2003

Certificate No.
2013789234

Date: 06/05/2013

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Client – Customer. Samsung Chemical Ind.		PO No. SM-PO-1278		Material Specification. ASTM B564 UNS N06625, NACE MR 0175-05				Marking. DN" Class Mat SCH B16.5 Heat No				Additional Marking. NACE MR 0175			
Item No.	Quantity PCs	Description & Dimension	Heat No (Lot No)	Mechanical Properties, ASTM E 8-2005										Hardness Test HB	Remark
				Tensile Test				Impact Test , V-Notch ,							
				Yield Strength MPa	Tensile Strength MPa	Elongation %	Reduction Area %	1 (J)	2 (J)	3 (J)	AV (J)	Temp °C			
01	15	WN 8" 2500# S120 RTJ	5567(N01)	465	925	34	48							209	OK
02	15	WN 8" 2500# S120 RTJ	5567(N02)	460	920	33	47							208	OK
03	15	WN 8" 2500# S120 RTJ	5568(N03)	455	910	33	49							210	OK
04	15	WN 8" 2500# S120 RTJ	5568(N04)	458	928	33	47							211	OK
05	15	WN 8" 2500# S120 RTJ	5569(N05)	478	940	37	48							208	OK
06	15	WN 8" 2500# S120 RTJ	5569(N06)	479	946	37	47							207	OK
Heat No.		Ladle Chemical Analysis Results											Heat Treatment.		
		C%	Si%	Mn %	P %	Ni%	Cr %	Mo%	Fe %	Nb %	Ta %	Ti %	Al%	Annealed	
5567		0.05	0.34	0.43	0.007	63.2	29.5	8.65	3.05	3.16	0.34	0.26	0.33	Notes. -Visual and dimensional check , OK -PMI Testing Full, OK -Color Coding, OK -RTJ: Smooth Finish 63 µin, OK -NACE Application, OK -Material STD ASTM B564-2004, OK	
5568		0.07	0.42	0.36	0.005	63.1	30.5	8.70	3.25	3.21	0.31	0.28	0.32		
5569		0.05	0.33	0.41	0.009	62.3	32.0	8.45	2.85	3.25	0.33	0.28	0.41		
Remark		1) Steel made by VIM+ESR											Date		06/05/2013
		2) Material will be free from any contamination on Shipment											QC Inspector		D. Park

We hereby certify that material described herein has been tested and satisfied as above in accordance with the appropriate specification.

RFI-QC-MTC-R0

FOR PUBLIC RELEASE

This Certificate is issued by a computerized system and is valid without stamp and signature.