



Lot No : 010000322170 Sl.No :0
Mat.Des : RM - 42CRMO4, 75RCS REV.01

No.Of.Bars:

ICIN Number: 5000333064	Matl : MA003L01075.0R	Supplier : JSW Steel Limited	Supp TC No 206383	Heat Number : E69596
PO Number : 4500012059	Size : 75.000 RCS	Supp TC date : 14:09:2017	Qty in MT : 15.330	Batch : 0000625661

Chemical composition in %

		C	Mn	Si	P	S	Ni	Cr	Mo	V	Cu	Nb	B	Al	Ti	Co	Sn	Fe	Sb	Pb	As	Ca	W	Zr	Ta	N2	H2	O2	CE1	CE2
As per Spec.	Min	0.3800	0.6000	0.1500		0.0200		0.9000	0.1500												0.0000									
	Max	0.4500	0.9000	0.4000	0.0250	0.0350	0.2000	1.2000	0.3000	0.0300	0.3500						0.0300		0.0100		0.0100					0.0100	0.0002	0.0020		
Act. Analysis	1	0.4180	0.7660	0.2470	0.0100	0.0250	0.0050	1.0900	0.2060	0.0020	0.0170						0.0020				0.0050									
	2	0.4160	0.7640	0.2500	0.0100	0.0250	0.0100	1.0800	0.2000	0.0020	0.0160						0.0020				0.0050									
	3	0.4120	0.7690	0.2470	0.0130	0.0240	0.0050	1.0800	0.2150	0.0020	0.0150						0.0020				0.0050									
	4	0.4140	0.7600	0.2350	0.0090	0.0250	0.0050	1.0700	0.2070	0.0020	0.0140						0.0020				0.0050									
	5	0.4290	0.7700	0.2450	0.0090	0.0260	0.0050	1.0800	0.2090	0.0020	0.0140						0.0020				0.0050									
As per Tc	1	0.4160	0.7500	0.2480	0.0100	0.0240	0.0250	1.0900	0.2050	0.0020	0.0200						0.0050		0.0010		0.0020					0.0046	0.0001	0.0011		

Visual	Size & Surface satisfactory	Shearability	NA	Forgeability	OK
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Mechanical properties

[illegible]

Micro

Inclusion rating (%)	A Thin/Thick	B Thin/Thick	C Thin/Thick	D Thin/Thick	Grain size (ASTM)	Decarb (mm)	Macro	Step Down	Bend Test
As per Spec. Min					5.00				
Max	2.00 /1.00	2.00 /1.00	0.50 /0.50	1.00 /1.00	8.00				
Tested Value	1.00 /1.00	1.00 /-	- /-	1.00 /-	7.00		C2S2R2		
As Per TC Value	2.00 /1.00	0.50 /-	- /-	0.50 /-	7.00		C2S2R2		

[illegible]

Any other test specified :100% UT & MPI Tested at supplier end

Our RM color code: Yellow / Light Green

Remarks:Material accepted

Heat code allocated: XPO

Tested By : LAB2

Lot Cleared Date:27.09.2017

Head Metallurgy