



SPECIAL STEELS

PRODUCT: WIRE ROD COILS

Grade	Desgn.	Chemical Composition					Mechanical Properties		
		C%	MN %	P%(MAX)	S%(MAX)	Si %	UTS %	ELONG %	%RA
VSP	HC50	0.46-0.50	0.50-0.80	0.035	0.035	0.15-0.35	80-90	16	40
VSP	HC55	0.51-0.55	0.50-0.80	0.035	0.035	0.15-0.35	85-95	15	35
VSP	HC60	0.56-0.6	0.50-0.80	0.035	0.035	0.15-0.35	90-100	15	35
VSP	HC65	0.61-0.65	0.50-0.80	0.035	0.035	0.15-0.35	95-105	13	30
VSP	HC70	0.66-0.70	0.50-0.80	0.035	0.035	0.15-0.35	100-110	13	30
VSP	HC75	0.71-0.75	0.50-0.80	0.035	0.035	0.15-0.35	105-115	12	25
VSP	HC80	0.76-0.80	0.50-0.80	0.035	0.035	0.15-0.35	110-120	12	25
VSP	HC85	0.81-0.85	0.50-0.80	0.035	0.035	0.15-0.35	115-125	12	25
VSP	PC 115	0.76-0.80	0.50-0.80	0.035	0.035	0.15-0.35	112 MIN	12	25*
VSP	VIZAGTBQ	0.68-0.72	0.50-0.80	0.035	0.035	0.15-0.35	100-110	13	30

* % Cr.O.15-0.20

Sizes : 5.5/6.0/6.5/7.0/8.0/10.0/12.0/12.7 /14.0 mm

Coil Weight : 1.2 mt approx

Remarks : For 7 - 9mm UTS is 5 Kgf/mm² lower and for 10 - 12 mm UTS is 10 Kgf/mm² lower

PRODUCT: MMSM ROUNDS & BILLETS

Grade	Desgn.	Chemical Composition							
		C%	MN %	P%(MAX)	S%(MAX)	Si %	Al %(min)	Cr %	B %
VSP	SAE 1541	0.36-0.44	1.35-1.65	0.04	0.035	0.15-0.35	0.02	-	
VSP	SAE 1008	0.10 MAX	0.30-0.50	0.04	0.04	0.15-0.35	0.02	-	
VSP	SAE 1020	0.18-0.23	0.30-0.60	0.04	0.04	0.15-0.35	0.02	-	
VSP	SAE 1022	0.18-0.23	0.70-1.00	0.04	0.04	0.15-0.35	0.02	-	
VSP	SAE 1023S	0.20-0.25	0.80-1.00	0.04	0.04	0.15-0.35	0.02	-	
VSP	SAE 1029S	0.26-0.30	0.70-0.90	0.04	0.04	0.15-0.35	0.02	-	
VSP	SAE 1030	0.28-0.34	0.60-0.90	0.04	0.05	0.15-0.35	0.02	-	
VSP	SAE 1049	0.46-0.50	0.60-0.90	0.04	0.04	0.15-0.35	0.02	-	
BS 970	EN8	0.35-0.45	0.60-1.00	0.04	0.04	0.05-0.35	0.02	-	
BS 970	EN8 D	0.40-0.45	0.70-0.90	0.04	0.04	0.05-0.35	0.02	-	
BS 970	EN9	0.50-0.60	0.60-0.80	0.04	0.04	0.05-0.35	0.02	-	
VSP	SAE 1524S	0.16-0.21	1.35-1.65	0.04	0.04	0.15-0.35	0.02	-	
VSP	SAE 1524Cr	0.23-0.28	1.35-1.65	0.04	0.04	0.15-0.35	0.02	0.20-0.30	
VSP	55Si7	0.50-0.60	0.80-1.00	0.04	0.04	1.50-2.00	-	-	
VSP	60Si7	0.55-0.65	0.80-1.00	0.04	0.04	1.50-2.00	-	-	
VSP	65Si7	0.60-0.70	0.80-1.00	0.04	0.04	1.50-2.00	-	-	
ASTM	A 105	0.20-0.25	0.90-1.15	0.035	0.035	0.15-0.35	0.02		
JISG 4801	SUP9	0.52-0.60	0.65-0.95	0.035	0.035	0.15-0.35	-	0.65-0.95	
DIN	40CR4	0.35-0.40	0.60-0.90	0.035	0.030	0.15-0.35	0.02	0.90-1.20	
DIN	41CR4	0.36-0.44	0.60-0.90	0.035	0.030	0.15-0.35	0.02	0.90-1.20	
BS 970	EN15B	0.35-0.40	1.10-1.30	0.04	0.035	0.05-0.35	0.02	-	
VSP	SAE 1018	0.15-0.20	0.60-0.90	0.04	0.04	0.15-0.35	0.02	-	
VSP	27C15	0.22-0.32	1.3-1.7	0.035	0.035	0.15-0.35	0.02		
BS 970	EN32B	0.10-0.18	0.60-1.00	0.05	0.05	0.15-0.35	0.02		
DIN-17210	20MNCr5	0.17-0.22	1.10-1.40	0.035	0.035	0.15-0.40	0.02	1.0-1.30	
DIN-17210	16MNCr5	0.14-0.19	1.00-1.30	0.035	0.035	0.15-0.40	0.02	0.80-1.1	
JISG 4801	SUP 11A	0.56-0.64	0.70-1.00	0.035	0.035	0.15-0.35	-	0.70-1.00	0.0005-0.003
VSP	35C8	0.35-0.40	0.60-0.90	0.04	0.035	0.15-0.35	0.02	-	
VSP	CK-45	0.42-0.50	0.50-0.80	0.035	0.035	0.15-0.35	0.02	-	
VSP	VIZAG TLT	0.17-0.22	1.20-1.60	0.04	0.04	0.15-0.35	0.015	-	0.03 (Min)*
VSP	37C15	0.32-0.42	1.30-1.70	0.035	0.035	0.15-0.35	-	-	

*Vanadium

Size

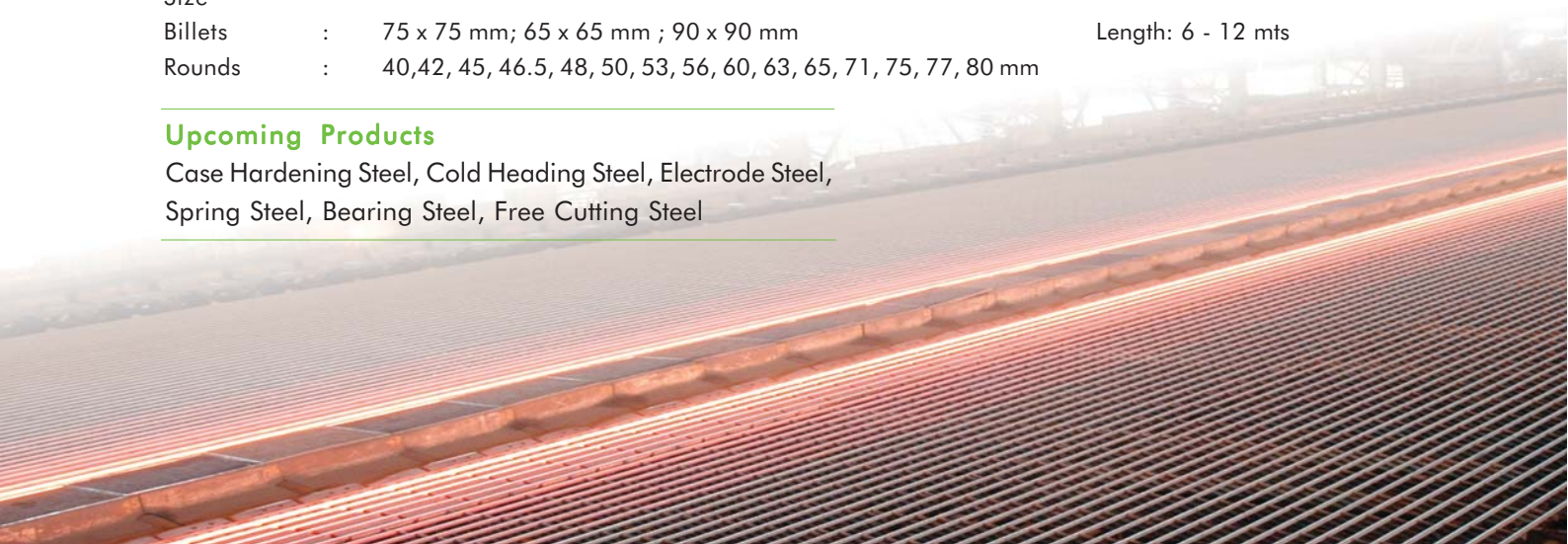
Billets : 75 x 75 mm; 65 x 65 mm ; 90 x 90 mm

Length: 6 - 12 mts

Rounds : 40,42, 45, 46.5, 48, 50, 53, 56, 60, 63, 65, 71, 75, 77, 80 mm

Upcoming Products

Case Hardening Steel, Cold Heading Steel, Electrode Steel, Spring Steel, Bearing Steel, Free Cutting Steel



PRODUCT: WIRE ROD COILS

Grade	Desgn.	Chemical Composition							
		C%	MN %	P%(MAX)	S%(MAX)	Si %	Al %(min)	Cr %	B %
ASTMA510	SAE 1008	0.10MAX	0.30-0.50	0.04	0.04	0.15-0.35	0.02	-	
ASTMA510	SAE 1010	0.08-0.13	0.30-0.60	0.04	0.04	0.15-0.35	0.02	-	
VSP	SAE 1010W	0.08-0.12	0.75-0.90	0.04	0.04	0.30 MAX	0.02		
ASTMA510	SAE 1012	0.10-0.15	0.30-0.60	0.04	0.04	0.15-0.35	0.02	-	
ASTMA510	SAE 1015	0.13-0.18	0.30-0.60	0.04	0.04	0.15-0.35	0.02	-	
ASTMA510	SAE 1018	0.15-0.20	0.60-0.90	0.04	0.04	0.15-0.30	0.02	-	
IS 2879	EW-NR	0.10 MAX	0.38-0.62	0.025	0.025	0.03 MAX	0.012 MAX		
VSP	EQ-NR	0.10 MAX	0.38-0.62	0.03	0.03	0.03 MAX	-	-	
VSP	CAQ	0.07 MAX	0.5 MAX	0.035	0.035	0.05 MAX	-		
BS 970	EN8D	0.40-0.45	0.70-0.90	0.04	0.04	0.05-0.35	-		
BS 970	EN8	0.35-0.45	0.60-1.0	0.04	0.04	0.05-0.35	-	-	-
BS 970	EN32B	0.10-0.18	0.60-1.00	0.05	0.05	0.15-0.35	0.02	-	-



PRODUCT: LMMM ROUNDS & BILLETS

Grade	Desgn.	Chemical Composition							
		C%	MN %	P%(MAX)	S%(MAX)	Si %	Al %(MIN)	Cr%	B %
VSP	SAE 1010	0.08-0.13	0.30-0.60	0.04	0.04	0.15-0.35	0.02		
VSP	SAE 1012S	0.10-0.15	0.50-0.80	0.035	0.035	0.20 max	0.02		
VSP	SAE 1020	0.18-0.23	0.30-0.60	0.04	0.04	0.15-0.35	0.02		
VSP	SAE 1023S	0.20-0.25	0.80-1.00	0.04	0.04	0.15-0.35	0.02		
VSP	SAE 1029S	0.26-0.30	0.70-0.90	0.04	0.04	0.15-0.35	0.02		
VSP	SAE 1030	0.28-0.34	0.60-0.90	0.04	0.04	0.15-0.35	0.02	-	
BS 970	EN8	0.35-0.45	0.60-1.00	0.04	0.04	0.05-0.35	0.02	-	
BS 970	EN8D	0.40-0.45	0.70-0.90	0.04	0.04	0.05-0.35	0.02	-	
BS 970	EN9	0.50-0.60	0.50-0.80	0.04	0.04	0.05-0.35	0.02	-	
VSP	SAE 1049	0.46-0.50	0.60-0.90	0.04	0.04	0.15-0.35	0.02	-	
VSP	SAE 1541	0.36-0.44	1.35-1.65	0.04	0.035	0.15-0.35	0.02	-	
VSP	SAE 1524S	0.16-0.21	1.35-1.65	0.04	0.04	0.15-0.35	0.02	-	
VSP	SAE 1524Cr	0.23-0.28	1.35-1.65	0.04	0.04	0.15-0.35	0.02	0.20-0.30	
VSP	37C15	0.32-0.42	1.30-1.70	0.035	0.035	0.15-0.35	0.02		

SPECIAL STEELS



A Navratna Company

PRODUCT: LMMM ROUNDS & BILLETS

Grade	Desgn.	Chemical Composition							
		C%	MN %	P%(MAX)	S%(MAX)	Si %	Al %(MIN)	Cr%	B %
BS970	EN32B	0.10-0.18	0.60-1.00	0.05	0.05	0.15-0.35	0.02	-	
VSP	27C15	0.22-0.32	1.30-1.70	0.035	0.035	0.15-0.35	0.02		
VSP	SAE1018	0.15-0.20	0.60-0.90	0.04	0.04	0.15-0.35	0.02	-	
ASTM	A105	0.20-0.25	0.85-1.15	0.035	0.035	0.15-0.35	0.02	-	
DIN-17210	20MnCr5	0.17-0.22	1.1 0-1.40	0.035	0.035	0.15-0.35	0.02	1.00-1.30	
DIN	40CR4	0.35-0.40	0.60-0.90	0.035	0.03	0.15-0.35	0.02	0.90-1.20	
DIN	41CR4	0.36-0.44	0.60-0.90	0.035	0.03	0.15-0.35	0.02	1.00-1.20	
VSP	55Si7	0.50-0.60	0.80-1.00	0.04	0.04	1.50-2.00	-		
VSP	60Si7	0.55-0.65	0.80-1.00	0.04	0.04	1.50-2.00	-		
VSP	65Si7	0.60-0.70	0.80-1.00	0.04	0.04	1.50-2.00	-		
BS 970	EN43D	0.60-0.65	0.40-0.60	0.04	0.015-0.035	0.15-0.35	-		
VSP	35C8	0.35-0.40	0.60-0.90	0.04	0.04	0.15-0.35	0.02		
VSP	CK-45	0.42-0.50	0.50-0.80	0.035	0.035	0.15-0.35	0.02		

Sizes

Billets : 125 x 125 mm

Rounds : 16, 18, 20, 22, 25, 28, 32, 33.5, 34, 36, 38 mm

length : 8 - 10.4 mts

length: 6 - 12 mts