



**DMSONS**  
METAL

# ABOUT US

With an experience of more than 30 years, Mr. Deepak Mehta has successfully carved its expertise in sourcing high quality metal and steel. By establishing a strong association with leading manufacturers of countries like Germany, Belgium, South Korea, Japan, Indonesia, China & Iran, we provide a diverse range of boiler, special and high quality tensile plates to our coveted customers. We also provide an extensive portfolio in mild steel plates, wear resistant steel plates, hot rolled coils cold rolled coils, round bars, alloy steel plates, wire rods, carbon and chequered steel plates.

Our products are sourced from renowned vendors such as Duferco, Arcelormittal Steel, Posco, Nippon Steel, JFE Steel, Wuyang Steel, Jindal Steel, ESSAR, SAIL and Welspun. We also offer customized metal & steel solutions to a multitude of industries including energy, automotive, construction, HED, defence and other sectors. As a contribution of our value-add to customers, we provide steel solutions to alternative industries such as high strength steel to energy, heavy equipment, non-ferrous steel to electronics, marine and other sectors; as well as surface protection services. We provide precision cutting and inspection, thorough lab testing, prompt logistic solutions, sound UT and indenting services.

We have sophisticated warehousing unit based at Taloja - Navi Mumbai which helps us to stock nearly 20,000 to 25,000 metric ton of plates, coils, rounds, steel structural of different grades and thickness. Our products are affiliated with an official Bureau Veritas Inspection Services Test Certificate/TUV certified to procure quality products of international standard. We are specialized in keeping IBR (Indian Boilers Regulations) Certified plates of Boiler quality. We also conduct third party inspection for UT, physical inspection, sample check testing and verification of documents that enables a smooth and speedy process.



“I’m glad that our efforts have exhibited a sustainable business model in today’s competitive environment. Our business has been extended to the third generation in our family now and we continue to grow the Dmsons family. Dmsons Metal has since been creating opportunities for its employees, customers and partners. We endeavour excellence in our service and encourage a synergetic work culture. I can say with confidence that Dmsons Metal has become one of the most sought after destination for commercial and heavy duty metal requirements.”

- Deepak Mehta, MD

# Why choose DMSONS

Over the years leading Indian as well as international Steel manufacturers have established strong partnerships with Dmsons for some very sound reasons:

## 1 SUPERIOR QUALITY PRODUCTS

You will get superior quality products and material according to your requirement at the minimum and competitive possible price.

## 2 STATE OF THE ART WAREHOUSING FACILITIES

We have our inventories stocked from 20,000 to 25,000 metric ton of plates, coils, rounds and steel structural of different grades and thickness. We have State of the Art Warehousing and cutting facilities at our warehouse at Taloja, Mumbai to provide you with undamaged material quality and best service.

## 3 TIMELY DELIVERIES

We simplifying your logical requirement to help you procure the delivery in timely manner.

## 4 CUSTOMER FOCUSED APPROACH

We are fully dedicated to our customers. If it will not possible to meet your requirements after examining all options, we will not mislead you by making false promises.

## 5 SALES AND DISTIBUTION NETWORK

Our sales and distribution network in India is strong enough made by our distribution channel and strong marketing force in the country with the most reputed client base and dealing with 19 countries.

# Industries WE SERVE



RENEWABLE ENERGY



INFRASTRUCTURE



SHIP BUILDING



POWER INDUSTRY



PIP LINE INDUSTRY



DEFENCE INDUSTRY



CONSTRUCTION COMPANIES

# Our SERVICES

**D**msons Metal was based on the philosophy of recognizing the needs of our customers and understanding that quality, timely delivery, price and customer service are the key aspects that determine our success. Years of diligence and continuous improvement in our work has made Dmsons a renowned name across various industries in India. Strict quality controls and an undying spirit of always meeting client expectations have helped us build strong relationships with our customers.



**ULTRASONIC SERVICES**



**LOGISTICAL SUPPORT**



**LAB TESTING**



**INDENTING SERVICES**



**METAL CUTTING**

# Our CLIENTS

The business of Dmsons Metal has been the collective contribution of our management and our acclaimed partners. It is the trust and faith of our partners that has helped in growing Dmsons on a national level. We have become the first preference of our clients and loyal customers as brands like Jindal, Tata, Reliance, Essar, Godrej and L&T have collaborated their association with us.



Reliance  
Industries Limited



ESSAR



Godrej



JINDAL  
STEEL & POWER



L&T



THERMAX



TATA



SMS group



ISGEC  
ISGEC HEAVY  
ENGINEERING LTD.



Lloyds Steel

# Our PRODUCTS

At Dmsons Metal, we have the proven skills and experience to virtually work with any metal and cater to every customer's needs. Acquire a range of products with uniform dimensional accuracy, grades & specifications, equipped with tight tolerance for robust operations like hydraulic press manufacturing, dam gates and cranes manufacturing.

## 1. HOT ROLLED COILS

Dmsons brings forth an impregnable range of hot rolled coils. These products primarily serve petrochemical, chemical, oil & gas, construction and shipbuilding industries.



## GRADES

Is2062 E250 A/DR/BO | ASTM - A 36

## SPECIFICATIONS

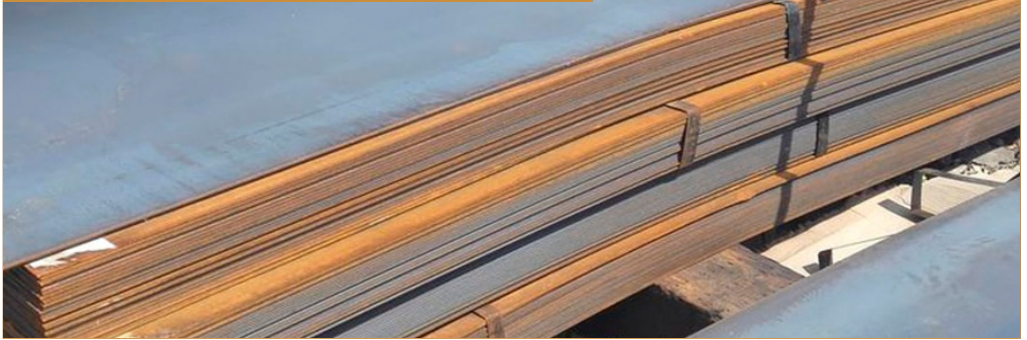
Specifications	Chemical						Mechanical					Mpa, min
	C Max	Mn Max	Si Max	S Max	P Max	Micro Alloy	Tensile Min	Yield Min	%EL Max	Min 200GL	Bend	Impact
ASTM-A 36	0.26	1.2	$\frac{0.15}{0.40}$	0.05	0.04	—	400-550	250	21	18	2T	—
IS 2062												
E250A	0.23	1.5	0.4	0.045	0.045	—	410	250	23	—	2T	—
E250BR	0.22	1.5	0.4	0.045	0.045	—	410	250	23	—	2T	27 J at 25°C
E250BO	0.20	1.5	0.4	0.040	0.040	—	410	250	23	—	2T	27 J at 0° C
E250C	0.20	1.5	0.4	0.040	0.040	—	410	250	23	—	2T	27 J at-20° C





### 3. HIGH TENSILE STEEL PLATES

Due to its high strength, it enables design of lighter, highly durable and efficient products and structures.



#### GRADES

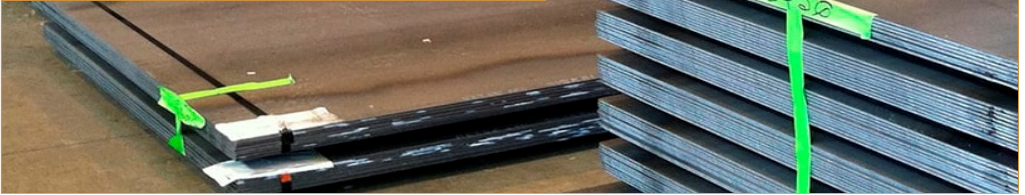
EN10025 S355J2 +N / IS2062 E350C | IS2062 E 350 A  
 SA 572GR50 | EN10025 S355JR/ IS2062 E350BR  
 EN10025 S355J0+ N / IS2062 E350BO

#### SPECIFICATIONS

Specifications	Chemical						Mechanical					Mpa, min	
	C Max	Mn Max	Si Max	S Max	P Max	Micro Alloy	Tensile Min	Yield Min	% EL 50 GL	% EL 200 GL	Bend	Impact	
EN 10025-2 (Series)													
S 355 JR	0.20	1.6	0.35/0.55	0.035	0.035	—	490/630	355	22	—	2T	+20° C/27J	
S 355 JO	0.20	1.6	0.35/0.55	0.030	0.030	—	490/630	355	22	—		0° C/27J	
S 355 J2G3/J2+N	0.20	1.6	0.55	0.025	0.025	—	490/630	355	20	—	2T	-20° C/27J	
S 355 K2G3/K2+N	0.20	1.6	0.55	0.025	0.025	—	490/630	355	20	—	2T	-20° C/40J	
IS 2062 (Indian Standard)													
E 350 A	—	—	—	—	—	—	—	—	—	—	—	—	
E 350 BR	0.20	1.55	0.45	0.045	0.045	—	490 Min	350 Min	22	—	2T	+25° C/27J	
E 350 BO	—	—	—	—	—	—	—	—	—	—	—	0° C/27J	
E 350 C	0.20	1.55	0.45	0.40	0.40	—	490 Min	350 Min	22	—	2T	-20° C/27J	
SAILMA													
350 HI	0.20	1.5	—	0.04	0.04	0.30	490/610	350	21	—	3T	-20° C/30J	
410 HI	0.20	1.5	—	0.04	0.04	0.30	540/660	410	20	—	3T	-20° C/25J	
450 HI	0.20	1.5	—	0.04	0.04	0.30	570/720	450	19	—	3T	-20° C/20J	

## 4. BOILER QUALITY PLATES

These products are primarily used for fabrication of boilers in industries like shipbuilding, petrochemical and manufacturing.



### GRADES

516GR70 / IS2041 R 260 | 516GR60 / IS2041 R 220 | 516GR70 / 60 ( HIC NACE)  
 515GR70 / IS2002 GR3 | ASTM - A 537 CL - 1

### SPECIFICATIONS

Specifications	Chemical						Mechanical		Mpa, min			
	C Max	Mn Max	Si Max	S Max	PC Max	E	Tensile Min	Yield Min	% EL 50 GL	% EL 200 GL	Bend	Impact
ASTM - A516												
Gr - 60	0.23	0.85/1.2	0.15/0.40	0.04	0.035	0.42	415/550	415/550	25	21	1.5T	-46oC / 18J
Gr - 70	0.28	0.85/1.2	0.15/0.40	0.04	0.035	0.43	485/620	485/620	21	17	2T	-46oC / 20J
IS 2041												
R 220	0.21	0.60-1.5	0.15-0.35	0.035	0.035	-	415-540	415-540	21	-	3T	-20oC / 27J
R 260	0.25	0.85-1.5	0.15-0.35	0.035	0.035	-	490-620	490-620	21	-	3T	-20oC / 27J
R355	0.18	1.10-1.7	0.50 Max	0.015	0.025	-	490-640	490-640	21	-	-	-40oC / 40J
H 235	0.16	0.60-1.2	0.35 Max	0.015	0.025	0.025	360-480	360-480	24	-	-	-
H 265	0.20	0.80-1.4	0.40 Max	0.015	0.025	0.025	410-530	410-530	22	-	-	-
H 295	0.20	0.90-1.5	0.40 Max	0.015	0.025	0.025	460-580	460-580	21	-	3T	-20oC / 27J
H355	0.22	1.10-1.7	0.60 Max	0.015	0.025	0.025	510-650	510-650	20	-	-	-
ASTM-A 515												
Gr - 60	0.22	0.90	0.15/0.40	0.035	0.035	-	415/550	415/550	25	21	1.5T	
Gr - 70	0.31	1.20	0.15/0.40	0.035	0.035	-	485/620	485/620	21	17	2T	
IS 2002 Gr -1 & DIN 17155 Gr - H1	0.18	0.50/1.20	0.15/0.35	0.04	0.035	0.44	360/480	360/480	24	-	2T	-
IS 2002 Gr -2 & DIN 17155 Gr - H2	0.20	0.50/1.20	0.15/0.35	0.04	0.035	0.44	410/530	410/530	22	-	2T	-
IS 2002 Gr -3 & DIN 17155 Gr - H3	0.22	0.50/1.20	0.15/0.35	0.04	0.035	0.44	460/580	460/580	21	-	3T	-
ASTM-A 537 CL - 1	0.24	0.7/1.6	0.15/0.50	0.035	0.035	0.45	485/620	485/620	22	18	2T	-30oC / 20J

## 5. ALLOY STEEL PLATES

These steels have been developed to possess critical properties like strength, hardness, toughness, wear and corrosion resistance.



### GRADES

ASTM - A 387 GR 11 CL 1 / CL 2 | ASTM - A 387 GR 22 CL 2 | ASTM - A 387 GR 12 CL 1 / CL 2

### SPECIFICATIONS

Specifications	Chemical									Mechanical		Mpa, min		
	C	Mn	Si	S	P	Cr	Mo	Ni	Cu	Tensile	Yield	%EL		Bend
	Max	Max	Max	Max	Max	Max	Max	Max	Max			50GL	200EL	
ASTM-A 387										-				
Gr 11 - Cl 2	0.17	0.40/0.65	0.40/0.65	0.04	0.035	0.035	1.0/1.50	-	-	515/690	310	22	18	-
Gr 11 - Cl 2	0.17	0.40/0.65	0.40/0.65	0.04	0.035	0.035	0.80/1.15	-	-	450/585	275	22	19	-
Gr 11 - Cl 2	0.15	0.30/0.60	0.30/0.60	0.035	0.035	0.035	4.0/6.0	-	-	515/690	310	18	-	-
Gr 11 - Cl 2	0.15	0.30/0.60	0.30/0.60	0.035	0.035	0.035	2.0/2.5	-	-	515/690	310	18	-	-

## 6. WEAR RESISTANT STEEL PLATES

It is suitable for a variety of applications in areas such as mining/quarrying, conveyors, material handling and construction, and earthmoving.



### GRADES

ROCK STAR 400 | ROCK STAR 500 | HARDOX 400 | PERDUR 400 | PERDUR 450  
 ROCK HARD 400 | ROCK HARD 500 | QUARD 500 | HARDOX 500 | HARDOX 500  
 QUARD 400 | JFE 400 | JFE 450 | JFE 500

### SPECIFICATIONS

Specifications												Mechanical		Mpa, min	
	C Max	Mn Max	Si Max	S Max	P Max	Cr Max	Mo Max	Ni Max	B Max	CE Max	HARDNESS BHN	Tensile	Yield	%EL	
HARDOX 400	0.12	1.25	0.47	0.002	0.011	0.035	0.60	.04	0.004	0.40	370/430	1200	1000	10%	
HARDOX 500	0.30	1.6	0.7	0.01	0.02	0.035	0.6	1.5	0.005	0.43	470/530	1450	1250	12%	
JFE 400	0.20	1.6	0.55	0.03	0.03	0.04	0.5	1	0.004	0.45	370/430	1200	1000	10%	
JFE 450	0.25	1.6	0.55	0.03	0.03	0.04	0.6	1.2	0.004	0.5	425/475	1350	1150	11%	
JFE 500	0.30	1.6	0.55	0.03	0.03	0.04	0.6	1.5	0.005	0.6	460/540	1450	1250	12%	
QUARD 400	0.17	1.6	0.6	0.01	0.025	0.035	0.3	0.1	0.005	0.45	370/430	1300	1160	10%	
QUARD 500	0.30	1.6	0.8	0.01	0.025	.035	0.5	1	0.005	0.61	470/530	1700	1500	12%	
ROCK STAR 400	0.18	1.6	0.7	0.01	0.025	0.035	0.25	0.25	0.004	0.48	370/430	1250	1000	12%	
PERDUR 400	0.15	1.5	0.50	0.01	0.025	0.035	0.6	0.05	0.004	0.4	370/430	1200	1000	10%	
PERDUR 450	0.25	1.6	0.60	0.01	0.025	0.035	0.6	0.05	0.004	0.45	430/480	1350	1150	11%	
ROCK HARD 400	0.18	1.6	0.7	0.01	0.025	0.035	0.25	0.25	0.004	0.48	370/430	1250	1000	12%	
ROCK STAR 500	0.30	1.6	0.55	0.03	0.03	0.04	0.6	1.5	0.005	0.6	460/540	1450	1250	12%	
ROCK HARD 500	0.30	1.6	0.55	0.03	0.03	0.04	0.6	1.5	0.005	0.6	460/540	1450	1250	12%	

## 7. CHEQUERED STEEL PLATES

These plates are extensively used in domestic as well as commercial and industrial purposes such as automobiles, structural application and fabrication structural



### GRADES

IS 3502

### SPECIFICATIONS

Standard Specification		Chemical Composition (%)								
Equivalent Specification	Grade	C max	Mn max	S max	P max	Si max	Ai	N max	Micro alloys max	CE max
IS 3502	E250A	0.23	1.50	0.045	0.045	0.040		0.012	0.25	0.42
EN 10025	S275JR	0.21	1.50	0.035	0.035			0.012		0.40
ASTM A36	A36	0.25		0.050	0.040	0.040				

Mechanical Properties ('t' =thickness in mm & 'GL'=Gauge Length)						
Tensile Test Direction	YS (Mpa) min	UTS (Mpa)	%EL(min) GL:5.65√(A)	Bend (180 Deg)	Temp C	Si max
T	250	410	23	21		
T	275	410-560	21		20	27
T	250	400-550				

## 8. CARBON STEEL PLATES

Due to its high thickness, carbon steel plate is used for products that require durability and applied for agricultural equipment , construction, forgings aces



### GRADES

C45 – SAE1050

### SPECIFICATIONS

C45 Plates Chemical Composition						
Grade	C	Mn	P	S	Cr	Si
C45	0.42 - 0.50	0.70-0.90	0.025 max	0.025 max	0.10-0.20	0.40max

C45 Sheets, Plates Mechanical Properties									
Grade	Condition	Yield Strength R <sup>0</sup> (Mpa)	Tensile Strength (Mpa)	Elongation A5(%)	Hardness HRC	Quenching Temperature (°C)	Bendability	Nominal Thickness,t	
								1.95mm≤t≤10.0mm	
C45	Rolled	460	750	18	58	820	Min.reco-mmended Bending radius (≤90°)	2.0 ×t	1.0×t
	Annealed	330	540	30	55	860			
	Water-quenched Oil quenched		2270 1980						

## 9. COLD ROLLED COILS

Cold rolling increases strength, enhances the surface finish and offers uniform thickness. Automobile industry uses CR Sheets to produce car body panels.



### GRADES

A 1008: DS type A & B, DDS, EDDS, EDDS+

### SPECIFICATIONS

Cold Rolled 1008/1010 Steel Physical Properties														
ASTM A1008/1010														
Temper	Designation										Alloy			
Dead soft	DS Type - B										1008			
Commercial Quality	CS Type - B										1008/1010			
1/4 Hard											1008/1010			
1/2 Hard											1008/1010			
Full Hard											1008/1010			

Cold Rolled 1008/1010 Chemical Properties															
ASTM A1008/1010															
Designation	C	Mn	P	S	Al	Si	Cu	Ni	Cr	Mo	V	Cb	Ti	N	B
CS Type - A	0.10	0.60	0.030	0.035	-	-	0.20	0.20	0.15	0.06	0.008	0.008	0.025	-	-
CS Type - B	0.02-0.015	0.60	0.030	0.035	-	-	0.20	0.20	0.15	0.06	0.008	0.008	0.025	-	-
CS Type - C	0.08	0.60	0.010	0.035	-	-	0.20	0.20	0.15	0.06	0.008	0.008	0.025	-	-
DS Type - A	0.08	0.50	0.020	0.030	0.01 min	-	0.20	0.20	0.15	0.06	0.008	0.008	0.025	-	-
DS Type - B	0.02-0.08	0.50	0.020	0.030	0.02 min	-	0.20	0.20	0.15	0.06	0.008	0.008	0.025	-	-
DDS	0.06	0.50	0.020	0.025	0.01 min	-	0.20	0.20	0.15	0.06	0.008	0.008	0.025	-	-
EDDS	0.02	0.40	0.020	0.020	0.01 min	-	0.10	0.10	0.15	0.03	0.10	0.10	0.15	-	-

## 10. PIPES



### 1. SEAMLESS PIPES

Pipe without a seam or a weld-joint in contrast to Seam pipe. They are used in applications in Oil & Gas, Refinery, Petrochemical, Chemical, Fertilizer, Power, Automotive, Bearing, Mechanical & Structural applications.

### 2. ERW PIPES (ELECTRIC RESISTANCE WELDED PIPE)

They are extensively used in agriculture, industry and construction activities like scaffolding and casing in bore wells. These are used for conveying water, gas, crude oil and chemicals at various pressures and densities over long distances.

### SPECIFICATIONS

PRODUCT	ROUND		SPECIFICATION	PIPES END
	Size Range	Thickness		
MS ERW Black	15NB (1/2") TO 300 NB (12")	1.60MM TO 7.10 MM	National / International Specifications Including API5L upto X -80 PSL2, *H40 J55, K55 PSL 1 EN : 10255/10219,	Plain
Galvanized	15NB (1/2") TO 200 NB (8")	1.60MM TO 7.10 MM	EN : 10217 -1, AS : 1074, AS NZ 1163:2016, ASTM A 53,	Bevelled
Pre Galvanized	15NB (1/2") TO 150 NB (6")	0.60MM TO 2.50 MM	BS EN - 39 ASTM A 500 ASTM A 252, ASTM A 795	Threaded Roll-Grooved



## 11. STRUCTURAL STEEL

It is defined as hot rolled products, with a cross section of special form like rounds, angles, channels and beams. Structural steel sections are usually used for construction of buildings, buildings, transmission line towers (TLT), industrial sheds and structures etc. They also find application in manufacturing of automotive vehicles, ships etc.

### ANGLES



MS Angle solutions offered find main application in building construction works, bridges construction, industrial structures, ships, fabrication jobs, transmission line towers as well as in making frames among other end usages.

### SPECIFICATIONS

M. S EQUAL ANGLES					THICKNESS (MM)				WEIGHT (KG/M)			
size mm	3	4	5	6	8	10	12	16	18	20	25	
40 x 40	1.8	2.4	3.0	3.5								
45 x 45	2.1	2.7	3.4	3.5								
50 x 50	2.3	3.0	3.8	4.5								
65 x 65			4.9	5.8	7.7	9.4						
75 x 75			5.7	6.8	8.9	11.0						
80 x 80				7.3	9.6	11.8	14.0					
90 x 90				8.2	10.8	13.4	15.8					
100 x 100				9.2	12.1	14.9	17.7					
110 x 110					13.4	16.5	19.6	24.2				
130 x 130					15.9	19.7	23.4	28.9				
150 x 150						22.8	27.2	35.8	39.9	11.1		

## CHANNEL



MS Channel solutions offered find application in meeting the construction demands of industrial sheds, bridges, building structure and in other end application areas.

## SPECIFICATIONS

CHANNEL SIZE IN MM	WEIGHT KG/M	SIZE IN MM	WEIGHT KG/M
75 X 40	7.1	200 X 75	22.3
100 X 50	9.6	250 X 80	30.6
125 X 65	13.1	250 X 82	34.2
150 X 75	16.8	300 X 90	36.3
175 X 75	19.6	400 X 100	50.1

## BEAM



MS Beam offered are precision designed to effectively handle the vertical gravitational forces as well as in carrying horizontal loads including loads as a resultant from earthquake or winds

## SPECIFICATIONS

BEAM SIZE IN MM	WEIGHT KG./M	SIZE IN MM	WEIGHT KG./M
100 70	11.5	225 X 110	31.2
120 X 58	11.2	250 X 125	37.3
125 X 70	13.2	300 X 140	46
150 X 75	15	350 X 140	52.4
150 X 150	37.1	400 X 140	61.5
175 X 85	19.5	450 X 150	72.4
175 X 100	25.9	500 X 180	86.9
200 X 150	52.05	600 X 210	123

## ROUND BAR

Round Bar is used in a variety of industries, including defence, shipbuilding, aerospace, fabrication, cement, heavy earthmoving machinery, paper and pulp, and manufacturing.



### GRADES

#### CARBON STEEL ROUND BAR

C45 | EN8 C55 | EN9 S355J2 | A103

#### BEARING STEEL ROUND BAR

52100+A

#### ALLOY STEEL ROUND BAR

4140 | EN19

#### CASE HARDENING STEEL ROUND BAR

20MNCr5 | En31

### EN8 / C45 / 1045 CHEMICAL COMPOSITION

Specifications	C	Mn	Si	S	P	Cr	Cu	Ni	Mo	Ce
C45 / EN8	0.42-0.50	0.50 - 0.80	≤0.40	≤0.045	≤0.025	0.20 - 0.40	—	≤0.40	—	—
C55 / EN9	0.17 - 0.24	0.7 - 1.00	0.17 - 0.37	≤0.035	≤0.035	≤0.025	≤0.025	≤0.025	—	—
4140 / EN19	0.38 - 0.43	0.75 - 1.00	0.15 - 0.25	0.40 max	0.40 max	0.80 - 0.90	—	—	0.15 - 0.25	—
S355 J2 / A105	Max 0.22	Max 1.60	Max 0.55	Max 0.035	Max 0.035	—	—	—	—	Max 0.047
52100+A	0.93 - 1.05	0.25 - 0.45	0.15 - 0.35	0.015	0.025	1.35 - 1.60	0.30	0.25	0.10	—
20MNCr5 / EN31	0.17-0.22	1.10 - 1.40	≤0.40	≤0.035	≤0.035	1.00 - 1.30	—	—	—	—

# Our PRESENCE





**DMSONS WAREHOUSE, TALOJA, NAVI MUMBAI**



## MOU DEALERS OF

**AM/NS  
INDIA**



**JINDAL**   
**STEEL & POWER**



## HEAD OFFICE

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