



AAR KAY INDUSTRIES



AAR KAY

TEMPCORE

Fe 550 TMT BARS

भरोसा
मजबूती
का



IS - 1786



CML-9946614

TEMPCORE[®]



AAR KAY INDUSTRIES



AAR KAY INDUSTRIES is an ISI and an ISO 9001 :2015 Certified Company established in the year 1995 primarily engaged in manufacturing of TMT Bars under the brand name of AAR KAY and also into manufacturing of Girders & Channels. The Group founder, Mr. Ramesh Goyal, has a vast experience of over 40 years in Iron & Steel Industry.

RASIK INDUSTRIES, the allied concern was incorporated in AAR KAY Group especially to strengthen the TMT facilities. It is a completely integrated plant having an annual capacity of tonnes with an in-house furnace to manufacture quality billets which serve as raw materials for the TMT Bars. Aar Kay Tempcore TMT Bars are produced using the world acclaimed Tempcore technology duly certified by CRM Belgium. Extensive expertise, hard work, capable organisation & no compromise in quality has made our products unbeatable. We are a group that strongly believes in excellence and cutting edge technical expertise, something we have always given prime importance to no matter what venture we undertake. We ensure quality at its best.

1995 >

AAR KAY Industries incorporated.
First Fully Automatic Plant of North India set up to manufacture structural steel

2000 > - To cater to the Growing Infrastructure needs State of the Art New TMT Plant is set up Rasik Industries with 2 Lakhs Ton

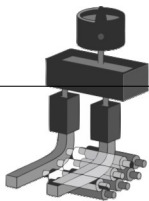
2012 > - TMT Plant set up under the name of per annum capacity

2001 > - Entered into agreement with Kamdhenu Ltd. For Better Quality Control, for manufacture of TMT Bars Continuous Casting plant is established. Becoming the first licensed vendor for Kamdhenu

2020 > - under 'Kamdhenu Brand' - in India Latest

2008 - Company ventured into the Power Sector Launch of TMT under by setting up wind mills in Rajasthan Brand name 'AAR-KAY'

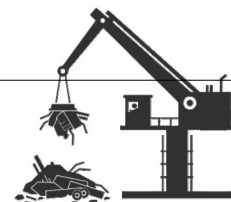
2022 > - our own



CONTINUOUS CASTING



FURNACE



RAW MATERIAL PROCESSING



SUPERIOR QUALITY BILLETS



ROLLING INTO HIGH STRENGTH TMT BARS / GIRDERS-CHANNELS

Mechanical Properties & Chemical Composition

Mech. Parameter	Fe 500		Fe 500D		Fe 550		Fe 550D	
Grade	YS 500	UTS 545	YS 500	UTS 565	YS 565	UTS 600	YS 565	UTS 600
Elongation % (Min)	12.00		16.00		12.00		14.50	
Chemical Comp. %								
Carbon	0.30 Max		0.25 Max		0.30 Max		0.25 Max	
Sulphur	0.055 Max		0.040 Max		0.055 Max		0.040 Max	
Phosphorous	0.055 Max		0.040 Max		0.050 Max		0.040 Max	
	0.105 Max		0.075 Max		0.100 Max		0.075 Max	

*(Typical Value for 90% of Heats)

Saving in steel consumption upto 15%

Product with properties

Better Corrosion Resistance

Better Bendability

Extra Rib Area for better

Better Earth Quake

High Yield combined ductility

Fire resistant upto 600° C

Superior tested material

Lower Consumption due to higher

with

Better

Superior product High Yield Strength

consistent properties combined with good ductility

Fire resistant upto

Superior Quality as tested material is used

Lower Consumption Cost due to higher strength

Extra Rib Area for better

Better Earth Quake grip with cement resistance

Clear Cut Sizes
Available From 6ft
upto 50ft.

*Extra charges applicable

SECTION WEIGHT CHART AS PER BIS

Nominal Size		Approx. Weight (Kg.)		Approx. Lengths Per MT (Pcs.)	Approx. Lengths Per MT (Mfr.)	Approx. Lengths Per Quintal (Mtr.)	Approx. Lengths Per Quintal (Feet)	No. of Lengths Per Bundle	Approx. Weight Per Bundle (Kgs.)	Permitted Tolerance
Soot	(mm)	Per Meter	Per Length							
2.5	8	.395	4.736	211.2	2,534	253	831	18	85.241	
3.0	10	.617	7.399	135.1	1,622	162	532	13	96.192	
4.0	12	.888	10.655	93.9	1,126	113	369	9	95.896	5%
5.0	16	1.579	18.942	52.8	633	63	208	5	94.712	5%
6.0	20	2.466	29.598	33.8	405	41	133	3	88.793	3%
8.0	25	3.854	46.246	21.6	259	26	85	1	46.246	3%

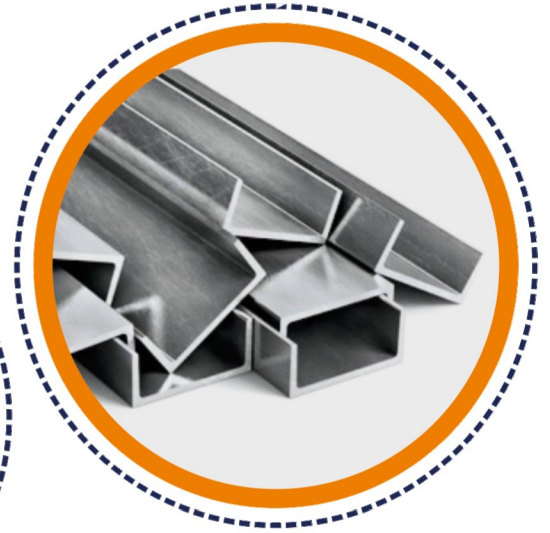
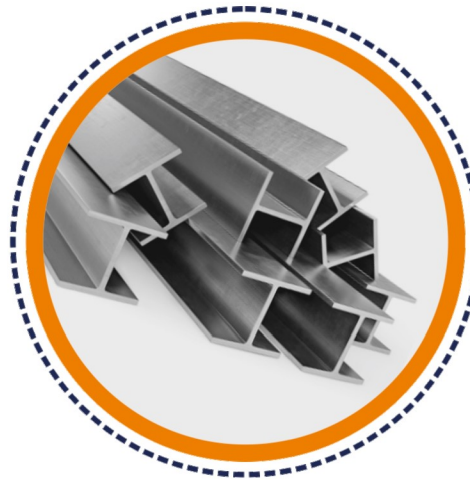
*Standard Variation applicable as per BIS



AAR KAY INDUSTRIES

AAR KAY

GIRDERS & CHANNELS



AAR KAY INDUSTRIES
RASIK INDUSTRIES

Mandi Gobindgarh-147301 (Pb.)

✉ sales@aarkayindustries.in

🌐 aarkayindustries.in

GIRDERS & CHANNELS

☎ 01765-505101/102
98760 32035

TMT BARS

☎ 01765-506108
98154 98753, 97798 40035