

LPLS and
High Martensite



MADE FOR YOU when it is
in **MOLTEN METAL**



Xtra Ductility



AMMAN-TRY
TMT BARS

550 XD

Special Features of
AMMAN – TRY /
TMT Fe-550 “XD”

LPLS - (Low Phosphorous
& Low Sulphur):

Sulphur and Phosphorous are the two chemicals that are regarded as detriment to the construction bars by the experts.

These chemicals can cause the bars to break easily and also reduce the flexibility of the building, making the life of the building questionable.

For Robust & Reliable Buildings



Special Features of 550 “XD” Bars

LPLS

In order to give more protection, 550 XD Bars have 10-15 % more strength (Yield Strength).

The low phosphorus and sulphur content of 550 XD makes it good bendability and has high ductility regardless of its strength.

Large Martensite Structure:

Martensite is one of the three microstructures of the bars. Since the area of the martensite structure in 550 XD bars are 30-40 % more and uniform, the strength will be uniform throughout the bars.

15 – 20% Steel Saving:

If the strength of the bars is high, there is a guidance to reduce the area of bars used in concrete. Under the guidance of experienced engineers and architects, the 550 XD Bars will surely save steel up to 15-20 %.

Coupler Joint

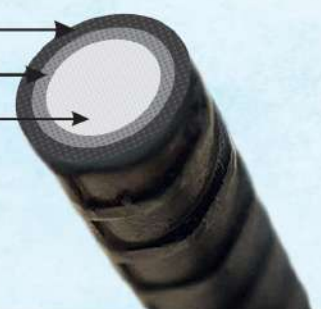
Leading engineers who follow the coupler joint technique for building constructions recommend our bars. It is because our AMMAN-TRY bars have remarkably passed this test.

"550 XD" Microstructure

Tempered Martensite

Bainite

Ferrite-Pearite Core



CHEMICAL PROPERTIES

PROPERTIES %	IS: 1786 Fe-500	AMMAN-TRY 550 "XD"
Carbon (%)	0.30(Max.)	0.23(Max.)
Sulphur (S) (%)	0.055(Max.)	0.035(Max.)
Phosphorous (P) (%)	0.055(Max.)	0.035(Max.)
(S + P)	0.105(Max.)	0.070(Max.)
Carbon Equivalent (%)	---	0.45(Max.)

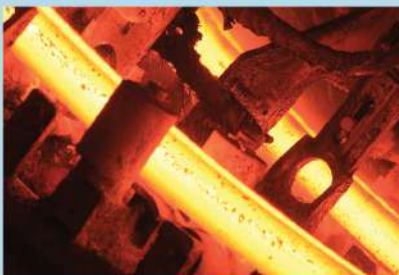
MECHANICAL PROPERTIES

PROPERTIES %	IS: 1786 Fe-500	AMMAN-TRY 550 "XD"
Yield Strength (N/mm ²)	500(Min.)	550 - 590
Tensile Strength (N/mm ²)	545(Min.)	660 - 700
Elongation (%)	12(Min.)	16 (Min.)
Total Elongation (%)	---	7 (Min.)
Bend Test (Mandrel size) (≤20mm)	4D	4D

SECTION WEIGHT

Section (mm)	Amman TRY Weight per Rod (kg/40ft)			No. of Bars in Bundle
	Min.	Nor.	Max.	
06	2.513	2.708	2.904	20
08	4.477	4.819	5.161	10
10	7.003	7.527	8.052	7
12	10.285	10.834	11.370	5
16	18.300	19.264	20.228	3
20	29.195	30.097	31.000	2
25	45.616	47.031	48.446	1

**Note: AMMAN-TRY bars are 40 feet in length
(12.2 Meter in Length)**



Special Features of 550 XD:

LPLS (Low Phosphorous & Low Sulphur)

AMMAN-TRY is contributing to the steel industry for the past 40 years and became the pioneer in introducing different types of bars such as CTD Bars, TMT Bars, CRS Bars, Rings and 500 guarD bars.

On considering the development of the construction sector in India and safeguarding your buildings from generation to generation, AMMAN-TRY feels happy and proud to launch its "550 XD" Bars.

By following the advice of the country's leading engineers and taking into account of our customers' expectations, our 550 XD (Xtra Ductility) bars are produced with improved quality and strength.

Quality guaranteed at National and International:

AMMAN-TRY is manufacturing steel bars to the International and Indian Standards IS-1786, IS-2830, & IS-14650 standards. We promise that our bars are at par with International standards.

Equivalent to World Standards:

AMMAN -TRY is the pioneer in implementing Thermo Mechanical Treatment Method by following Belgium Tempcore Technology.



CORPORATE OFFICE

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