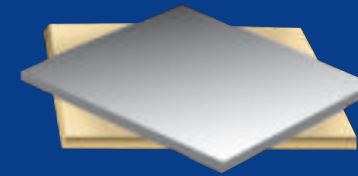
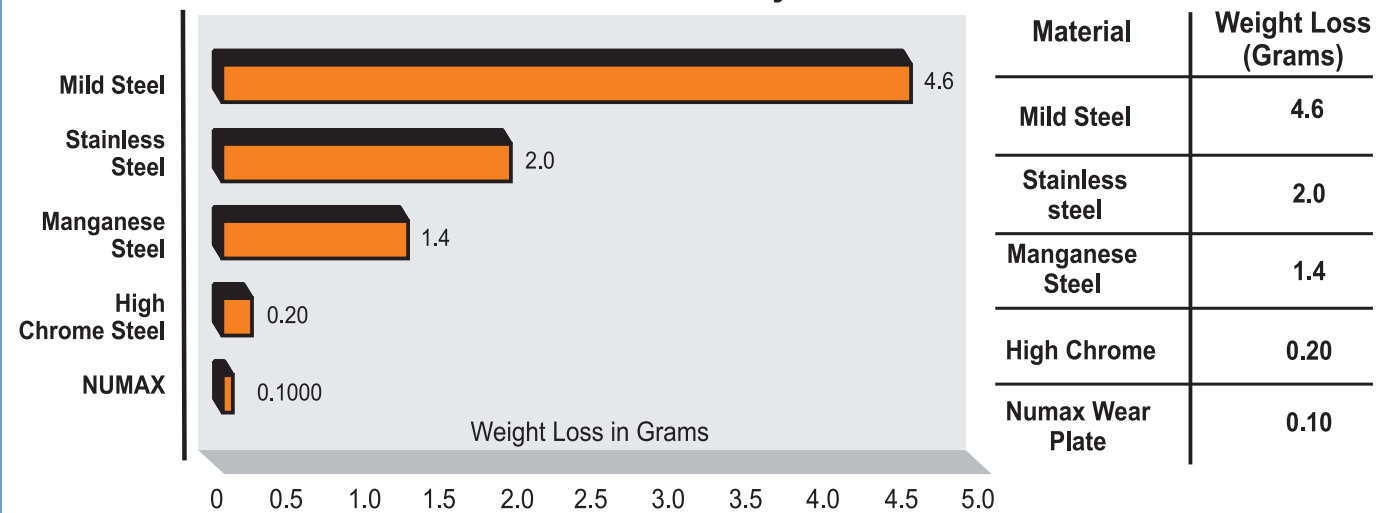


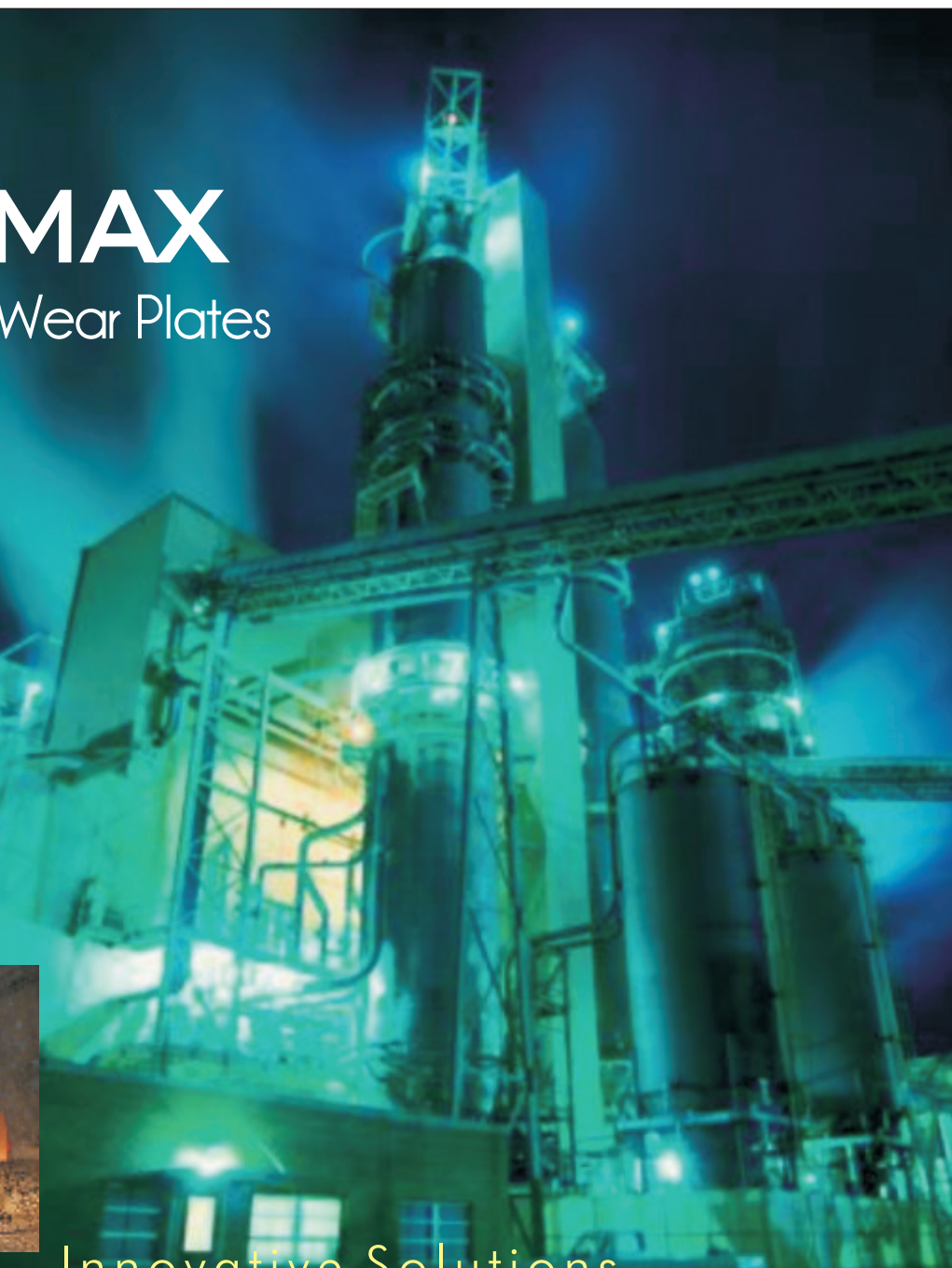
### Wear Life as Determined By ASTM G65 Test



# NUMAX

## Wear Plates

for all Applications



### NUMAX wear plate grades selections Chart :

GRADES	ALLOYING ELEMENTS	DESCRIPTION	HARDNESS	SIMILAR ELECTRODE
NUMAX 784	Cr, C, Mn, Si, W, V, B.	Moderate Abrasion & Erosion. Suitable for all general applications.	60- 65 RC	SPECTRUM 784
NUMAX 721 M	Cr, C, Mn, Si, W.	Abrasion & Heavy Impact. Applications includes Grizzly bars, Blow Bars, Screens etc.,	54- 60 RC	SPECTRUM 721 M
NUMAX 784 PR	Cr, C, Mn, Si, B, W.	Abrasion, Medium Impact & Pressure. Suitable for grinding roll in cement plant, Conveyor pipe, rotor of hammer mill etc.	60- 65 RC	SPECTRUM 784 PR
NUMAX 711	Cr, C, Mn, Si, W.	High resistance to abrasive wear, pressure and light to medium impact. Suitable for screw conveyors, scrapers etc.	62- 67 RC	SPECTRUM 711
NUMAX 712	Cr, C, Nb, Mn, Si, W.	Erosion from fine partical & Abrasion Suitable for cement, coal, steel and mineral industries.	60- 65 RC	SPECTRUM 712
NUMAX 713 PR	Cr, C, Mn, Si, V, Mo, W, Nb.	Heavy Abrasion & Moderate impact. Suitable for coal stream pipe. Hardness retain upto 600°C	62- 67 RC	SPECTRUM 713 PR
NUMAX 713 SPL	Cr, C, Nb, V, Mn, Si, Mo, W, Co	Severe Abrasion & Impact. Suitable for burner tip. Hot hardness upto 800°C	60- 65 RC	SPECTRUM 713 SPL

Wear plate joining technique : Root run with 'SPECTRUM 960' and top layer with similar electrode given above



Innovative Solutions against wear



An ISO 9001 : 2008 CERTIFIED COMPANY



Spectrum

Innovative Solutions againts wear  
**NUCOR WELD (INDIA) PVT. LTD.**  
 (AN ISO 9001:2008 Certified Company)



Mfrs. of Quality Welding Electrodes & Wear Plates for all Applications

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 Roorkee, Dist.: Haridwar  
 Uttarakhand - 247 667 (India)  
 Ph.: 0133-2231958, 2231959  
 E-mail : roorkee@nuworweldindia.com



**NUCOR WELD (INDIA) PVT. LTD.**

## NUMAX

Wear Resistant Plates:

The wear solution for Indian core– sector industry presents the modular concept of wear protection using NUMAX Wear Resistant –plates. These wear plates are constituted of steel backed superlative wear resistant cladding.

Manufacturing of these plates by a specialized Square wave technology for fusion bonding process offers significant advantages in terms of lowest dilution levels, highest concentration of carbides and superlative resistance to abrasion. NUMAX Wear Resistant –plates users in a new era of wear protection for design & maintenance engineers over traditional wear protection using Manganese steel, Ni-hard, High chrome, Heat treated, Stainless steel or Hard facing by welding.



## NUMAX

wear plates Cut to Size

From 100X100mm Up to 2800X1250 or as per customers requirement.  
Square holes From 15 x 15 mm,  
Round holes from Ø 15 mm,  
Tear Shaped holes from Ø 6 / Ø 8 x 50 mm.

## NUMAX

Standard Wear Resistant –plates:

Size (in mm): As per requirement.  
Thickness (in mm) : 5+3, 6+4, 8+4, 10+4, 12+4, 8+7, 10+7, 12+7 16+7 and as per customers requirement.

Base plate : IS 2062, St. 37.2, St. 52, 13 CrMo 44, 1.4825 and as per customers requirement.

Fabricated components: as per industrial requirements

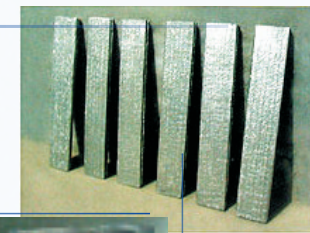
## NUMAX

wear plates Grades:

- NUMAX 784
- NUMAX 721 M
- NUMAX 784 PR
- NUMAX 711
- NUMAX 712
- NUMAX 713 PR
- NUMAX 713 SPL
- As per customer specification

### Applications for Cement Industry:

- Primary Crusher Liners, Secondary Crusher Liners.
- Cyclone for Cement plant, Elbow joint for Duct, Raw mill inlet chute, Body liner, Armour ring, Separators vanes, Cone, Fan Casing liner, Louver ring.
- Raw material Slurry Pipe & Elbows. Clinker Hoppers, Clinker hood liner.
- Finish Cement Piping & Elbows, and all Possible applications to combat wear.



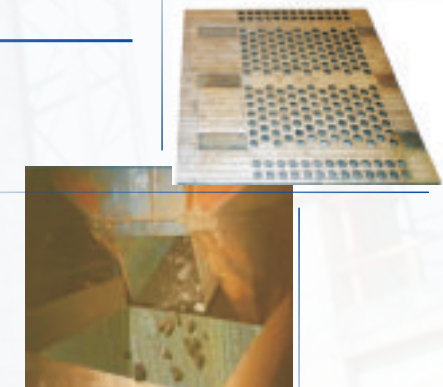
### Applications for Power Industry:

- Burner Tip, Screw conveyor for coal feeding, Transition piece for coal hopper.
- Coal Crusher Liners, Coal handling chute liners, Pulverizer Classifier Cones.
- Ash Hopper Liners, I.D Fan Housing Liners and all possible applications to combat wear.



### Applications for Steel Industry :

- Furnace part for sponge iron plant, Screen for sinter plant,
- Iron ore inlet cone, Feed pipe for Ferro alloy
- Hopper and bell, and all possible applications to combat wear.



### Application for Mining and Opencast Mining



- **Bucket wheel excavator :** Buckets, Bucket blades, Bucket corners
- **Mining Machines :** Bucket chain excavators, Single bucket excavators, Dozer Components like Edges, End bits, etc.