BEC
The Art of Engineering

BINDAL
ENGINEERING & CASTING (P) LTD.

ANCHOR
For Refectory Application

ANCHORS

REFRACTORY ACHORS SYSTEMS

A wide range of refractory anchor fixings to suit any particulars application for retaining castable and brick installation.

- Refractory Anchors
- Refractory Brick Fixing
- Special Fixing and Special fabrication

Manufactured from round bar or plate section the anchors are available in a standard shapes. They are fixid with a thread or a weld and can be supplies with a weld foot The fixings are available in the full range of stainless steel and alloys and can be made to suit any depth of lining.

CAST – IN ANCHORS

Y Anchors

These anchors are manufactured from 5-12 mm diameterbar or from plate section Y anchors made from round barcan be supplied open to any angle with a plain end weld leg or thread.
The tips can be fitted with plastic caps to enable expansionOf the tips at temperature Y anchors from plate sectioncan be supplied open to any angle or supplied closes for installation of pre-drilled fibreboard or other initial layers priper to opening on site.
Anchors can also be supplied pre-welded to amild steel bas Plate for ease of installation on site.

V Anchors

Manufactured from bar diameter 5-12mm. Theanchors legs can be supplied to individual requirements with odd length with bende crimps and with plastic end caps.

V Anchors

Crook anchors are manufacturered 5-12 diameterOf The crook is available with a span of 75mm,100mm. or 125mm. crook anchors can be suppild with a plain end, weld thread bent to fit a pre-Welded clit.

REFRACTORY FIXINGS

ANCHORS FOR BRICK INSTALLATION

A range of refactory fixings to fit refactory bricks. and can be made to customer's specifation to suit any furnace. The range includes brick hook made from bar, C-clips manufactured from plate and 'sclssor clips'.

BESPOKE ANCHORS

Bespoke refractory anchors can be made to order , including two part anchors and fixings with multiple anchors legs.

MESH ANCHORS

A mesh fixing is available fro retaining mesh lining. The fixing is supplied opne and is welded to the furnace lining.

SPECIAL FABRICATIONS

Bindal has many years experience producing special fabrication to Individual customer requirement. Bespoke stainless steel refactory fabrication can be designed and manufactured to operate in high temperature environments. These include brick word support systems for chimney and furnace application, and incineration components. Advanced manufacturing equipment and a substantial raw material stock are available to provide a consistently high level of service.

REFRACTORY FIXINGS

Our Main Products Are -

Refactory Anchors (V,Y,Zig –Zag etc)

- Brick plates
- Hangers
- S.S Fibers
- C-Clips
- Retainer Plate
- Roof Hangers
- Blots
- Stiffren Plate
- Studs Etc

Refractory anchors & other material are available in expanded metal, has steel grid and special. All products are available in stainless steel grades 304,316,310,321,as well as corbon steel,

Material Specifition

Refractory fixings are available in a range of stainless steel and high alloys

Grade 1.4301(304)(18/8)

The most widely used stainless steel grade containing typically 18% Nikel as the main alloying elements. This grade has excellent welding properties easily formed and fabricated.

Grade 310

A hest resisting steel that combines excellent resistance to both corrosion and oxidation at elevated temperatures. It is resistant to moderate themal shock and show high strength at high temperatures.

Inconel Alloys 601

Inconel 601 has an outstanding resistance to corrosion and to high temperature oxidation. The material also has good resistance to aqueous corrosion and high mechanical strength.

Other Grades

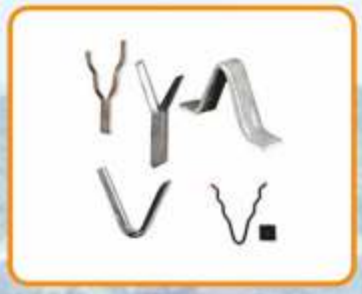
Refractory fixings can be supplied in other grades on request including stainless steel grade 1.4401.(316).please contact TR for mare details.

Using Stainless Steel At High Temperatures

The resistance to oxidation of stainless steel depends largely on the chromium content. Two other alloying elements, nickel and silicon. Also be instrumental in enhancing the oxidation resistance of the of the steel. Nickel in the alloy minimises oxide spalling, silican increases oxidation resistance by improving the compaction of the scale formed and thereby alloy the steel to be used at higher operating temperatures. Corrosion in air or steam occurs relatively slowly due to the formation of a compact adherent chromium oxide based scale.

Typical Chemical Specification(%)

Spccification	Type 304	Type 310	Inconel Alloy 600	Type 309	Type 316	Type 321	Type 330	600 Alloy	800 Alloy
	1.4301	1.4845	-	1.4833	1.4401	1.4878	-	-	-
C	0.040	0.050	0.500	0.060	0.040	0.050	0.060	0.050	0.060
S	0.20-1.00	0.20-1.00	0.500	1.00	1.000	1.000	1.750	0.500	1.000
Mn	0.50-2.00	0.50-2.00	-	2.000	2.000	2.000	2.000	1.000	1.500
P (Max)	0.045	0.045	0.015	0.450	0.045	0.045	0.400	0.015	-
S 9Max0	0.030	0.030	21.00-2400	0.030	0.030	0.030	0.300	0.015	-
Cr	18.30	18.30	1.00-1.70	22.00	16.80	17.30	19.000	14.00-17.00	19.00-23.00
Al	-	-	1.00-1.70	-	-	-	-	-	0.15-0.60
Ni	8.70	20.00	58.00-63.00	12.50	10.70	9.20	35.000	72.000	30.00-35.00
Other	-	-	Cu 0.5 Bal Fe	-	-	It Less Then/ equal to 5xC	-	Cu 0.5	Cu 0.5 max s=0.015 max Alt=Ti=0x85-1.20
Mo	-	-	-	-	2.20	2.20	-	-	-
Ti	-	-	-	-	-	-	-	-	0.10-0.60



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CONTACT US

BINDAL ENGINEERING & CASTING (P) LTD.

238-39, 2nd Floor, Rishabh Complex, MG Road , Raipur (CG) 492001 , INDIA.

+91 - 88172 92360, 88178 92360 +91 - 771 - 2228001

sales@bindalcasting.com www.bindalcasting.com

CERTIFIED ISO 9001:2015 COMPANY

100% QUALITY ASSURED