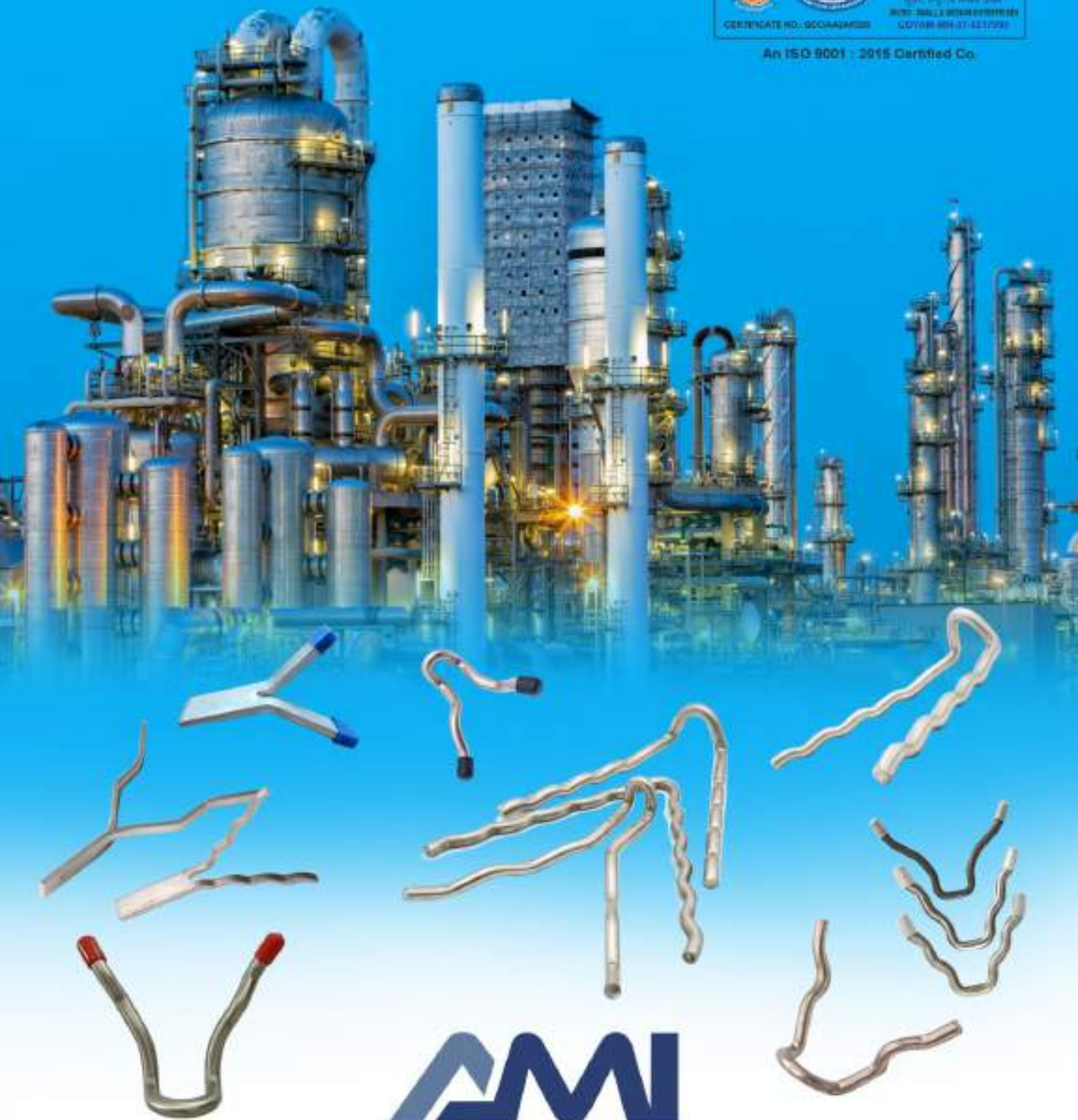




AMBIKA METAL INDUSTRIES

Bricking Plates | Refractory Fixing | Anchors

Manufacturer, Exporter & Supplier of Refractory Anchors



www.ambikametalind.com



AMBIKA METAL INDUSTRIES

An ISO 9001 : 2015 Certified Co.

Bricking Plates | Refractory Fixing | Anchors

Refractory Fixings

Materials

AMBIKA METAL INDUSTRIES manufactures refractory anchors and fibre fixing systems to exacting tolerances in a wide range of stainless steel and higher alloys. Standard fixings are available in stainless steel grade (304) and grade (310), and Inconel 601. Other grades of stainless steel, mild steels and alloys are available to suit requirements, including Stainless Steel grade (316).

Stainless Steel At Elevated Temperatures

Standard Stainless Steels In situations where standard steels reach their temperature limits, higher alloy and specially designed stainless steels provide a combination of increased strength and oxidation resistance, extending the useful working range up to higher temperatures around 1200°C.

Material Specification

Refractory fixings are available in a range of stainless steels and higher alloys:

Grade 1.4301 (304) (18/8), Grade 310, Inconel Alloy 601

Other Grades

Refractory fixings can be supplied in other grades on request, including Stainless Steel grade 1.4401 (316). Please contact **AMBIKA METAL INDUSTRIES** for more 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, can also be instrumental in enhancing the oxidation resistance of the steels.



Product Range

We have been serving the industry's refractory needs for the past many years.

Our main products are

Refractory Anchors (V, Y, Zig - Zag etc.)

Hangers,

C clips,

Roof Hangers

Stiffen Plate,

Air Nozzle For Power Plant

Brick plates,

S.S. fibers

Retainer Plate

Bolts

Studs etc.

Any Small Fabrication work as per drawing

Refractory anchors & other materials are available in expanded metal, hex steel grid and special grid. All products are available in stainless steel grades 304, 316, 310, 321 as well as carbon steel, alloy steel and other standard grades. Thickness from 3 mm to 12 mm

Specification	Type 304	Type 310	Inconel™ Alloy 601
Nearest Werkstoff	1.4301	1.4845	-
Maximum service temp. under certain conditions	800°C	1100°C	1150-1230°C
Melting point	1440°C	1490°C	1300-1375°C

Notes: Inconel™ is a trademark of INCO Ltd



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Anchors

REFRACTORY ANCHOR SYSTEMS

AMBIKA METAL INDUSTRIES manufactures a wide range of refractory anchor fixings to suit any particular application for retaining cantable and brick installations.

- Refractory Anchors
- Refractory Brick Fixings
- Special Fixings and Special Fabrications

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

V' Anchors

Manufactured from bar diameter 5-12mm. The anchor legs can be supplied to individual requirements with odd lengths, with bends or crimps, and with plastic end caps.

" V " Anchors



Crook Anchors

Crook anchors are manufactured from 5-12mm diameter bar. The crook is available with a span of 75mm, 100mm or 125mm. Crook anchors can be supplied with a plain end, weld leg, thread or bent to fit a pre-welded cleat.

Crook Anchors



CAST-IN ANCHORS

"Y" Anchors

These anchors are manufactured from 5-12mm diameter bar or from plate section. "Y" anchors made from round bar can be supplied open to any angle, with a plain end, weld leg or thread.

The tips can be fitted with plastic caps to enable expansion of the tips at temperature. "Y" anchors from plate section can be supplied open to any angle, or supplied closed for installation of pre-drilled fibreboard or other initial layers prior to opening on site.

Anchors can also be supplied pre-welded to a mild steel base plate for ease of installation on site.

" Y " Anchors





AMBIKA METAL INDUSTRIES

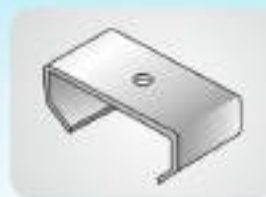
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Bricking Plates | Refractory Fixing | Anchors

Refractory Fixings

ANCHORS FOR BRICK INSTALLATION

A range of refractory fixings for brick installations is available. The anchors are designed to fit refractory bricks, and can be made to customers' specifications to suit any furnace brick. The range includes brick hooks made from bar, C-clips manufactured from plate and 'scissor clips'.



MESH ANCHORS

A mesh fixing is available for retaining mesh lining. The fixing is supplied open, and is welded to the furnace lining.



BESPOKE ANCHORS

Bespoke refractory anchors can be made to order, including two part anchors and fixings with multiple anchor legs. Please contact us with your requirements.

SPECIAL FABRICATIONS

AMBIKA METAL INDUSTRIES has many years experience producing special fabrications to individual customer requirements. Bespoke stainless steel refractory fabrications can be designed and manufactured to operate in high temperature environments. These include brickwork support systems for chimney and furnace applications, and incineration components. Advanced manufacturing equipment and a substantial raw material stock are available to provide a consistently high level of service.



Typical Chemical Specification (%)

Specification	Type 304	Type 316	Inconel Alloy 601	Type 309	Type 315	Type 321	336 Alloy	600 Alloy	800H 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	1.000	1.000	1.000	1.750	0.500	1000
Mn	0.50 - 2.00	0.50 - 2.00	1.000	2.000	2.000	2.000	2.000	1.000	1.500
P (Max)	0.045	0.045	-	0.450	0.045	0.045	0.400	0.015	-
S (Max)	0.030	0.030	0.015	0.030	0.030	0.030	0.300	0.015	-
Cr	18.30	25.00	21.00 - 24.00	22.50	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
Others	-	-	Cu 0.5 Bal Fe	-	-	Ti less than /equal to 5 x C	-	Cu 0.5	Cu 0.75 max S=0.015max Al+Ti=0X85-1.20
Mo	-	-	-	-	2.20	-	-	-	-
Ti	-	-	0.500	-	-	-	-	-	0.10 - 0.60

Products



Crimp Rod anchor



V For Light - Med Anchor



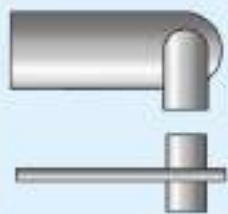
V - Anchor | Zig - Zag



Y - Anchor



V Med - HVY Anchor



BRICK HOLDER



UNITARY



TYPICAL ARRANGEMENT ANCHOR



MULTILAYERED



M. S. HOOK



Y - ANCHOR



HL - 314 ANCHOR



WING NUT

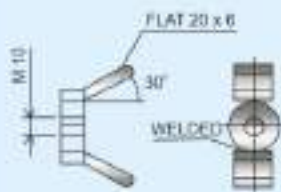


PLASTIC CAP



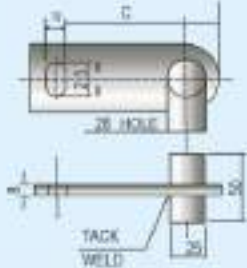
V-ANCHOR

WING NUT

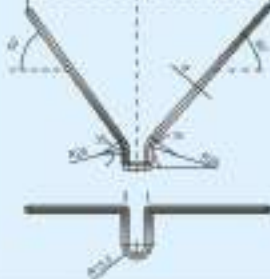


WING NUT

BRICK HOLDER



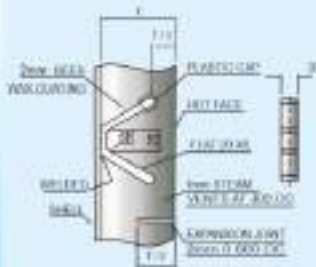
V-ANCHOR



M. S. HOOK



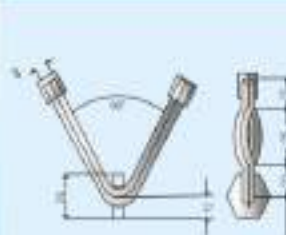
UNITARY



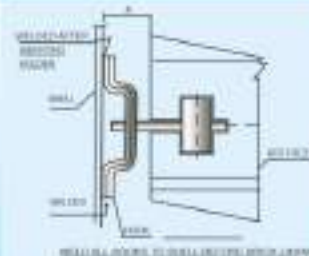
Y - ANCHOR



V - ANCHOR (Zig - Zag)



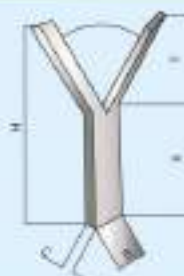
TYPICAL ARRANGEMENT OF HOLDING BRICK



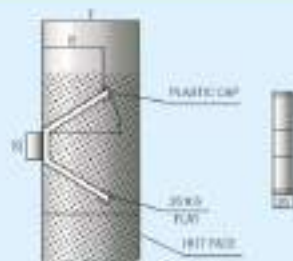
TYPICAL ARRANGEMENT ANCHOR



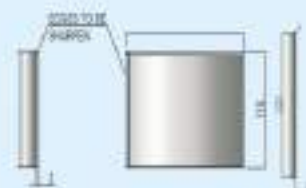
Y - ANCHOR



"V" TYPE ANCHOR



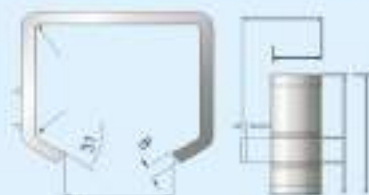
SHIM PLATE



STUD ANCHOR



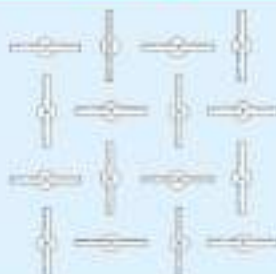
'C' Clip



Typical anchor Pattern DIAMOND



Typical anchor Pattern SQUARE



Typical anchor Pattern STAGGERED



GSTIN : 27AZQPD0128B1ZU



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