



HFAIPL

Committed for Customized Solutions in
manufacturing of bright steel bars & wires

GLOBAL STANDARDS..... THAT WE FOLLOW

- Weight of Steel Round:
Dia (mm) x Dia (mm) x 0.0019 = Wt. (Per Ft.)
- Weight of Steel Hexagonal Rod:
Dia (mm) x Dia (mm) x 0.002072 = Wt. (Per Ft.)
- Weight of Steel Square Rod:
Dia (mm) x Dia (mm) x 0.0024 = Wt. (Per Ft.)
- Weight of Steel circle:
Dia (mm) x Dia (mm) x Thickness x 0.0000653 = Weight Per PC
- Weight of Steel Pipe:
OD (mm) – Wall thickness (mm) x Wall thickness (mm) x 0.00756 (Per Feet)
- Weight of Steel Sheet:
Length (mtr) x Width (mtr) x Thickness (mm) x 8 = Wt. (Per sheet)
- Weight of Steel Flat:
Width (mm) x Thickness (mm) x 0.00243 = Wt. per Feet
- Pressure Conversion:
Kg/mm² x 1422.3 = Psi = Kg/cm² x 14.223
- 1 Feet = 0.3048 mtr
1 mtr = 3.2808 ft.
1 inch = 25.4 mm
1 pound (lbs) = 0.454 kgs.
- Formula for Good Business
* Good Quality + Quick Service + Honest
Abbreviations Generally Used
1. ERW : Electric Resistance Welded
2. ASTM : American Society For Testing & Materials
3. ANSI : American National Standard
4. SWG : Standard Wire Gauge
5. DIN : Deutsche Norms
6. JIS : Japanese Institute for Standards
7. BIS : Bureau of Indian Standards
8. AISI : American Institute for Steel & Iron
9. AOD : Argon Oxygen Decarburisation
10. VOD : Vacuum Oxygen Decarburisation

CHEMICAL COMPOSITIONS OF TYPICAL COLD FORGING QUALITY GRADES :

| Sr. | Grade | C% | Si% | Mn% | P% | S% | Cr % | B % | Mo % | Pb % | Nb% | Others |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|------|-----|------|------|-----------|--------|
| 1.1 | AISI 1006 | 0.06 MAX | 0.10 MAX | 0.25-0.40 | 0.05 | 0.04 | | | | | | |
| 1.2 | AISI 1008 | 0.06 MAX | 0.10 MAX | 0.30-0.50 | 0.05 | 0.04 | | | | | | |
| 1.3 | AISI 1010 | 0.08-0.13 | 0.10 MAX | 0.30-0.60 | 0.05 | 0.04 | | | | | | |
| 1.4 | AISI 1015 | 0.13-0.18 | 0.15 MAX | 0.30-0.60 | 0.05 | 0.04 | | | | | | |
| 1.5 | AISI 1018 | 0.15-0.20 | 0.15-0.30 | 0.60-0.90 | 0.05 | 0.04 | | | | | | |
| 1.6 | EN1A | 0.08-0.15 | 0.10 MAX | 0.85-1.15 | 0.26-0.35 | 0.04-0.09 | | | | | 0.15-0.25 | |
| 1.7 | EN1A | 0.07-0.15 | 0.10 MAX | 0.80-1.20 | 0.20-0.30 | 0.060 MAX | | | | | | |

CHEMICAL COMPOSITIONS OF VARIOUS GRADES :

| GRADE | C | Si | Mn | Ni | Cr | Mo | S | P | V | W |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|----------|
| En 19 | 0.35/0.45 | 0.10/0.35 | 0.50/0.80 | ..... | 0.90/1.20 | 0.20-0.35 | 0.050max | 0.050max | ..... | ..... |
| En 24 | 0.35/0.45 | 0.10/0.35 | 0.45/0.70 | 1.30/1.80 | 0.90/1.40 | 0.20-0.35 | 0.050max | 0.050max | ..... | ..... |
| En 31 | 0.90/1.20 | 0.10/0.35 | 0.30/0.75 | ..... | 1.00/1.60 | ..... | 0.050max | 0.050max | ..... | ..... |
| En 36C | 0.12/0.18 | 0.10/0.35 | 0.30/0.60 | 3.00/3.75 | 0.60/1.10 | 0.10-0.25 | 0.050max | 0.050max | ..... | ..... |
| En 41B | 0.70/0.85 | 0.10/0.40 | 0.55/0.75 | ..... | ..... | ..... | 0.050max | 0.050max | ..... | ..... |
| En 47 | 0.45/0.55 | 0.50max | 0.55/0.80 | ..... | 0.80/1.20 | ..... | 0.050max | 0.050max | ..... | ..... |
| En 353 | 0.20 max | 0.35max | 0.50/1.00 | 1.00/1.50 | 0.75/1.25 | 0.08-0.15 | 0.050max | 0.050max | ..... | ..... |
| S35502 | 0.22 max | 0.55max | 1.6max | 0.3max | 0.3max | 0.08max | 0.035max | 0.035max | ..... | ..... |
| AISI4130 | 0.28/0.33 | 0.15/0.35 | 0.40/0.60 | ..... | 0.80/1.10 | 0.15-0.25 | 0.040max | 0.040max | ..... | ..... |
| AISI4340 | 0.38/0.43 | 0.15/0.35 | 0.60/0.80 | 1.65/2.00 | 0.70/0.90 | 0.20-0.30 | 0.040max | 0.040max | ..... | ..... |
| AISI8620 | 0.18/0.23 | 0.15/0.35 | 0.70/0.90 | 0.40/0.70 | 0.40/0.60 | 0.15/0.25 | 0.040max | 0.040max | ..... | ..... |
| F5 | 0.15max | 0.5max | 0.30/0.60 | 0.90max | 4.0/6.00 | 0.44/0.65 | 0.03 | 0.03 | ..... | ..... |
| F9 | 0.15max | 0.50/1.00 | 0.30/0.60 | ..... | 8.0-10.0 | 0.90/1.10 | 0.03 | 0.03 | ..... | ..... |
| F11 | 0.10/0.20 | 0.50/1.00 | 0.30/0.80 | ..... | 1.00/1.50 | 0.44/0.65 | 0.040max | 0.040max | ..... | ..... |
| F22 | 0.05/0.15 | 0.50max | 0.30/0.60 | ..... | 2.00-2.50 | 0.87/1.13 | 0.040max | 0.040max | ..... | ..... |
| SS410 | 0.15 | 1.0max | 1.00 | ..... | 11.5-13.5 | ..... | 0.03 | 0.04 | ..... | ..... |
| SS416 | 0.15 | 1.0max | 1.25 | ..... | 12.0-14.0 | ..... | 0.15min | 0.06 | ..... | ..... |
| S459 | 0.30-0.4 | 0.5max | 1.25 | 0.5 | 12.0-14.0 | ..... | 0.15min | 0.06 | ..... | ..... |
| 17CrNiMo6 | 0.14-0.19 | 0.15-0.40 | 0.40-0.60 | 1.40-1.70 | 1.50-1.80 | 0.25-0.35 | 0.035max | 0.025max | ..... | ..... |
| 34CrNiMo6 | 0.30-0.38 | 0.4 | 0.8 | 1.30-1.70 | 1.30-1.70 | 0.15-0.30 | 0.035 | 0.035 | ..... | ..... |
| H11 | 0.33-0.43 | 0.80-1.25 | 0.20-0.60 | ..... | 4.75-5.50 | 1.10-1.60 | 0.030max | 0.030max | 0.30-0.60 | ..... |
| H12 | 0.30-0.40 | 0.80-1.25 | 0.20-0.60 | ..... | 4.75-5.50 | 1.25-1.75 | 0.030max | 0.030max | 0.20-0.50 | 1.0-1.70 |
| H13 | 0.32-0.45 | 0.80-1.25 | 0.20-0.60 | ..... | 4.75-5.50 | 1.10-1.75 | 0.030max | 0.030max | 0.80-1.20 | ..... |
| D2 | 1.40-1.60 | 0.10-0.60 | 0.10-0.60 | ..... | 11.0-13.0 | 0.70-1.20 | 0.030max | 0.030max | 0.50-1.10 | ..... |
| D3 | 2.00-2.35 | 0.10-0.60 | 0.10-0.60 | ..... | 11.0-13.5 | ..... | 0.030max | 0.030max | 1.00max | 1.00max |
| D68 | 0.05-0.60 | 0.1-0.40 | 0.65-0.95 | 1.50-1.80 | 1.0-1.20 | 0.45-0.55 | 0.030max | 0.030max | 0.07-0.12 | ..... |

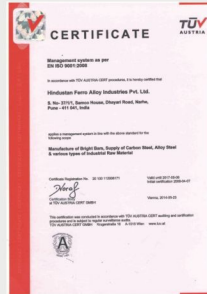
Samco
Since 1971



HFAIPL

**HINDUSTAN FERRO ALLOY
INDUSTRIES PVT. LTD.**

Committed for Customized Solutions in manufacturing of bright steel bars & wires



From the desk of MD, HFAIPL

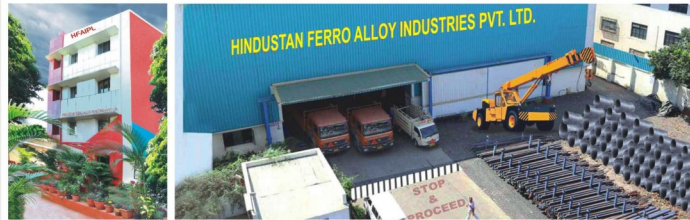
Dear Customer,

We, at HFAIPL are committed to extend the best within us to satisfy the need of our valued customers. It is our goal to be a part of success of customers.

Our endeavour is to strengthen our relations with customers with accelerating our own inputs on multiple fronts by offering quality products at the competitive terms with door steps deliveries

We thank you for your patronage and look forward to build long innings with you / your business

Thanks / Regards,
Yours sincerely
Kantilal H. Oswal
Chairman & MD
Hindustan Ferro Alloy Industries Pvt. Ltd.
98220 35805



CORPORATE OFFICE:

Sr. No. 37/1/1, "Samco House", Dhayri-Narhe Road, Narhe, Tal. Haveli,
Dist. Pune - 411 041. Maharashtra, India. Tel. Nos. : 020-66475100/ 01 Fax : 020-66475151.
Directors : Dinesh Oswal Rahul Jain Bharat Oswal Bhavesh Jain
Call Nos. : 9822079223 9689895194 9689895193 8888816691
Email : info@hindustanferro.com, sales@hindustanferro.com, dineshoswal1973@gmail.com
Website : www.hindustanferro.com

UNIT - I

Sr. No. 37/1/1, "Samco House", Dhayri-Narhe Road,
Narhe, Tal. Haveli, Dist. Pune - 411 041.
Maharashtra, India. Tel. Nos. : 020-66475100/ 01
Fax : 020-66475151.

UNIT-II

Got No 7, Chimbi Photo, Chimbi, Chakan,
Pune - 412 105. Maharashtra, India.

BRIGHT BAR MANUFACTURERS OF HIGH/LOW CARBON & ALLOY STEEL



HFAIPL

**HINDUSTAN FERRO ALLOY
INDUSTRIES PVT. LTD.**

PUNE, INDIA.

Committed for Customized Solutions in manufacturing of bright steel bars & wires



HFAIPL

Committed for Customized Solutions in
manufacturing of bright steel bars & wires

Samco
Since 1971



HFAIPL

Committed for Customized Solutions in
manufacturing of bright steel bars & wires

About Us :

The person behind the establishment of this corporate entity is Mr. Hastimalji Oswal father of present directors - Mr. Kantilal H Oswal and Mr. Dinesh H Oswal who with his futuristic vision laid the concrete base-dealing in ferrous and non-ferrous metals since the year 1971 under the banner "Shree Ambika Metal Corporation" known as SAMCO undertaking trading of non-ferrous metals initially-further extended to Alloy Steel and viewing the scope for bright bars market the decision was passed down to undertake the said segment as the future prime line of activities and has passed on his reputation, goodwill and trade secrets to the next generation.

Commencing the activities on a marginal scale with the dedication and determination, the business was accelerated cementing the special space for themselves in the segment of bright bar manufacturing.

Hindustan Ferro Alloy industries Pvt. Ltd. is an ISO accredited company incorporated on the principle of uncompromising commitment for excellence in its product and services. We are fully equipped with the latest technology and state-of-the-art machinery and proficient work force to manage and meet the varied product requirement of our customers.

We are manufacturing bright bars-Round, Square, Hex, Flats of various grades of mild, carbon & alloy steel. The specific grade with mechanical / chemical properties matching to the client's requirement is catered to amongst range of client's from SME/SSI to corporate, EOUs.

Infra :

Self owned Manufacturing plants located in Pune as well in midst of industrial belt of Bhosari, Chakan - - at Chimblji, with the factory shed admeasuring 50000 sq. ft. and capacity of 1500 MTs / per month. Technical suppliment is through state-of-art range of machinery -- well equipped to ensure quality products with ultra modern quality control measures.

Management :

Promoters / Directors having aggregate experience of more than 100 years are fully engaged with the activities shouldering responsibilities on the multiple fronts with able support from administrative and operational heads with respective work force in place monitored by CEO.

U.S.P :

- Quality raw material : Raw material procurement from the reputed rolling mills in India as well through imports.
- State-of-art technique : Well equipped with proficient plant set up to take care of micro / critical applications.
- Customized solution : Quality assurance with customized range / schedule / packing / delivery.
- Dispatch Discipline : Prompt door step in deliveries with proper packing through owned fleet of vehicles.
- Inventory Management : Ready inventory of both of raw material and finished products.

PRODUCT SEGMENT :

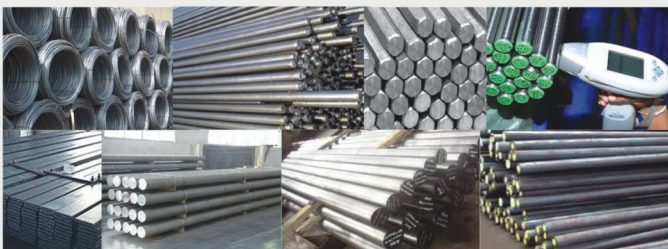
- BRIGHT BARS
- SHAFT QUALITY BARS
- ROUND, SQUARE, HEXAGONAL, FLAT BRIGHT BARS
- ROLLED & FORDGED & TURNED ROUND BARS
- WIRE & WIRE RODS

FACILITIES

- ANNEALING
- PICKLING
- DRAWING
- PEELING
- DECOILING
- STRIGHTENING
- HARDNING & TEMPERING
- POLISHING
- GRINDING
- CUTTING
- CHAMFERING
- FORGING
- MACHINING

GRADE

- LOW / HIGH CARBON STEEL
- FREE CUTTING STEEL
- ALLOY STEEL
- STAINLESS STEEL
- CASE HARDENING STEEL
- SPRING STEEL

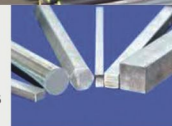


RANGE AND SIZE :

- COIL TO COIL - 4 MM TO 20 MM
- COIL TO BAR - 4 MM TO 50 MM
- BAR TO BAR - 6 MM TO 80 MM

RANGE AND SIZE :

- BRIGHT ROUND - 4MM TO 75MM
- BRIGHT HEXAGONAL - 6MM TO 60MM
- BRIGHT SQUARE - 8MM TO 60MM
- BRIGHT FLAT - 25 X 5 MM TO 100 X 25
- BLACK ROUND - 16MM TO 400MM
- SQUARE/RCS - UPTO 125MM



MS • EN1A N/L • EN1A L • EN8 D • EN8 M • EN5 K • 35C8 • EN9 • EN15 • EN18 • EN19
GRADES : SAE 4140 • EN 24 • 16MnCr5 • 20MnCr5 • EN353 • SAE 8620 • EN31 • 10B25 • 15B25
SS 202 • SS 304 • SS 304 L • SS 316 • SS 316 L • SS 410 • SS 420 • SS 430 • SS 431

BESIDES STOCK OF BRIGHT BARS HFAIPL HOLDS ADEQUATE INVENTORY OF ALLOY STEEL, CARBON STEEL, MILD STEEL, STAINLESS STEEL RANGEING FROM 16 MM TO 400 MM.

QUALITY ASSURANCE :

- Global standards and specifications are adhered to ... through
- Ultrasonic Testing
- Magnetic particle inspection
- Chemical Testing as per NABL Standards



HFAIPL

Committed for Customized Solutions in
manufacturing of bright steel bars & wires

SOME OF THE SEGMENTS OF OUR PRODUCT APPLICATIONS :



SHAFT



GEAR



BEARING



SPRING



FASTNERS



CNC MACHINING



PRECISION TURNED COMPONENTS



FORGING APPLICATION



HYDROLIC EQUIPMENT COMPONENTS

Bright bars manufactured by us of various grade, size, shape and range are widely utilized by various segments of manufacturing activities automobile, Machine equipments, Hydrolic applications, Engineering products, Capital goods manufacturing, Furniture and Fixtures, Utensils etc. as also infra - Railways, Aviation, Power projects - Wind mill / Solar, Defence.

Our clients are spread over PAN INDIA including corporate like vendors of Tata Motors Ltd., Mahindra & Mahindra Ltd., Bajaj Auto Ltd., Maruti Udyog Limited., Hero Motors etc. as also EOUs. and clients abroad.