

DEV METAL & ALLOYS

WE DELIVER QUALITY

STOCKIST & EXPORTERS OF FERROUS AND NON FERROUS METALS

DEV METAL & ALLOYS – PRODUCT INDEX (Ferrous & Non-Ferrous Categories)

Non-Ferrous Metals	Grades	Ferrous Metals	Grades	Marine & Engineering Components	Grades
Aluminium Products	1050, 1060, 1100, 2011, 2024, 5052, 5083, 6061, 6063, 6082, 7075	Carbon Steel Products	IS 2062, ASTM A36, C45, EN8, EN9, C40, C55, C60	Propellers	LG2, AB2, Cu3Sn
Copper Products	C11000, C10200, C12200, C12000	Alloy Steel Products	EN19, EN24, 8620, 42CrMo4, 15CrMo5, EN353, EN31, 52100, O1, D2	Impellers	PB2, CF8M (SS316), Nickel Aluminium Bronze
Brass Products	IS 319, CZ121, CZ122, C36000, C26000, C27000	Cast Iron Products	FG150–FG300, SG400–SG700, A532 (Ni-Hard), A47 (Malleable)	Pump Shafts	SS304, SS316, SS410, Duplex 2205
Bronze Products	PB1, PB2, PB102, C51000, C52100, C54400	Stainless Steel Products	304, 304L, 316, 316L, 310, 310S, 410, 420, 430, 440A/B/C, 2205, 2507, 17-4PH, 15-5PH	Gunmetal Bushes	LG2, SAE 841, LTB2 (IS 318)
Gunmetal Products	LG2, RG5, RG10, IS 318, C83600, C84400			Bronze Jobs	PB1, PB2, LG2, SAE 660
Phosphor Bronze	PB1, PB2, C51000, C52100, C54400			Flanges	SS304, SS316L, IS 319 Brass
Aluminium Bronze	AB1, AB2, C95400, C95500, C95800, C63000, G-CuAl10Fe5Ni5			Flange Nuts	SS316, Gunmetal LG2, IS 319 Brass
Silicon Bronze	C65100, C65500, C65600, C66100, C64700			Custom Shafts	Copper Custom Grade
Beryllium Copper	C17200, C17300, C17500, C17510			Valves & Fittings	Gunmetal, SS316, Bronze
Nickel & Nickel Alloys	Nickel 200, 201, Monel 400, K500, Inconel 600, 625, Incoloy 800, 825, Hastelloy C22, C276				
Zinc Products	SHG, HG, PWG, ZAMAK 2, 3, 5, 7, ZA-8, ZA-12, ZA-27				
Lead Products	LME Grade, IS 27, ASTM B29, Pb-Sb, Pb-Ca, Pb-Se, Pb-Sn, Lead-Calcium, Lead-Antimony				

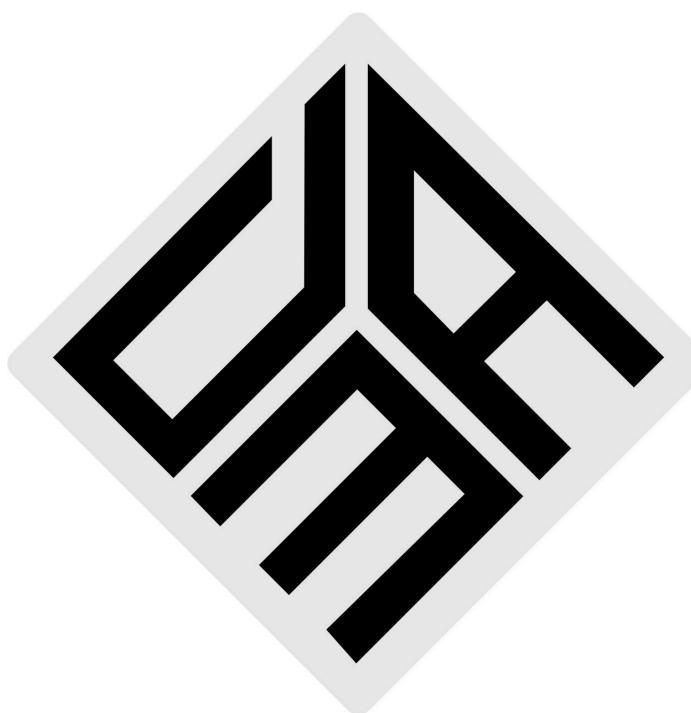


COMPANY PROFILE

- WE, **DEV METAL & ALLOYS** ARE STOCKIST, SUPPLIER, MANUFACTURER AND EXPORTERS OF A WIDE RANGE OF FERROUS AND NON FERROUS METAL PRODUCTS. CATERING TO VARIOUS INDUSTRIAL PROJECTS, WE HAVE EARNED THE REPUTATION AS A DEPENDABLE SUPPLIER AMONG OUR VAST CLIENT BASE.
- WE SPECIALIZE IN NON-FERROUS METALS AND HAVE BROUGHT TOGETHER THE FULL RANGE OF TRADING, STOCKHOLDING, AND PROCESSING ACTIVITIES UNDER ONE ROOF. OUR CORE STRENGTH LIES IN METALS LIKE **BRASS, COPPER, ALUMINUM, GUN METAL, PHOSPHOR BRONZE, BERYLLIUM COPPER, SILICON BRONZE, AND NICKEL ALLOYS**. WE OFFER A WIDE VARIETY OF PRODUCTS INCLUDING PIPES, TUBES, RODS, SHEETS, PLATES, WIRES, ANGLES, COILS, AND STRIPS.
- IN ADDITION TO RAW MATERIALS, WE ALSO MANUFACTURE A COMPLETE RANGE OF PIPE FITTINGS SUCH AS **BUTT WELD, FORGED, SOCKET WELD, AND SCREWED FITTINGS—INCLUDING ELBOWS, TEES, REDUCERS, STUB ENDS, FLANGES, CAPS, NIPPLES, COUPLINGS, ELBOWLETS, SOCKOLETS, WELDOLETS, AND FASTENERS LIKE NUTS, BOLTS, STUDS, AND WASHERS**. WE ARE ALSO ENGAGED IN THE MANUFACTURING OF PRECISION INSTRUMENTATION FITTINGS AND VALVES, TAILORED TO MEET VARIOUS INDUSTRIAL STANDARDS AND APPLICATIONS.
- SUPERIOR QUALITY PRODUCTS AND COMPLETE CUSTOMER SATISFACTION IS OUR FORTE. FOR ENSURING THESE FACTORS IN OUR BUSINESS PROCESS, WE COME WITH REQUISITE FACILITIES IN TERMS OF INFRASTRUCTURE AND HUMAN RESOURCES. HEADQUARTERED IN MUMBAI, IT ENABLES US TO OFFER PRECISION PRODUCTS IN STIPULATED TIME-FRAME.
- WE CAN SUPPLY THE MATERIAL WITH THIRD PARTY INSPECTION AND TESTING FACILITIES FROM GOVT. APPROVED LABS AS PER THE REQUIREMENT OF OUR CLIENTS.
- WE WOULD APPRECIATE TO GET YOUR ESTEEMED ENQUIRIES AND LOOK FORWARD TO THE PLEASURE RECEIVING YOUR VALUABLE RESPONSE. **WE ARE REGULARLY SUPPLYING THESE ITEMS TO MANY LEADING INDUSTRIAL UNITS COMPRISING OF : OIL & GAS, PETROCHEMICAL PLANTS, STEEL PLANTS, REFINERIES, CHEMICALS, FERTILIZERS, POWER PLANT, PHARMACEUTICAL, PORTS, SHIP BUILDING, RAILWAY, MINING, CEMENT PLANTS, PAPER MILLS, SUGAR MILLS, FABRICATION UNITS ETC.**



NON-FERROUS METALS



01

Wide Range
of Alloys

02

Multiple
Grades &
Forms

03

Quality,
Standards &
Certifications

04

Stock, Supply
&
Customization
Capabilities

PRODUCT RANGE & SPECIFICATION

ALUMINIUM



- **GRADES:** 1050, 1060, 1100, 2011, 2014, 2024, 5052, 5083, 6061, 6063, 6082, 7075, ETC.

- **FORMS & SHAPES:**

- SHEETS / PLATES
- COILS / ROLLS
- ROUND BARS
- FLAT BARS / RECTANGULAR BARS
- ANGLES / CHANNELS / I-BEAMS
- PIPES & TUBES
- WIRES / RODS / FOILS
- EXTRUSIONS (CUSTOM PROFILES ALSO AVAILABLE)

- **ALUMINIUM GRADES ESSENTIALS:**

Grade	Description & Features	Typical Applications
1050 / 1060 / 1100 (Pure Aluminium)	High purity, soft, excellent corrosion resistance	Roofing, signage, chemical tanks
2011 / 2014 / 2024	High strength, copper alloyed, good machinability	Aerospace parts, structural components
5052 / 5083	Marine-grade, corrosion resistant, high weldability	Shipbuilding, tanks, pressure vessels
6061 / 6063 / 6082	Medium to high strength, heat-treatable, good corrosion resistance	Architecture, transport, structural
7075	Very high strength, zinc alloyed, aerospace-grade	Aircraft frames, sports equipment



PRODUCT RANGE & SPECIFICATION

● COPPER



- **GRADES:** ETP (ELECTROLYTIC TOUGH PITCH), DHP, DLP, OFC, C10100, C11000, ETC.

- **FORMS & SHAPES:**

- SHEETS / PLATES
- ROUND BARS
- PIPES & TUBES
- COILS / STRIPS / WIRES
- BUSBARS / FLATS / SECTIONS
- FOILS / RODS

- **PURE COPPER GRADES ESSENTIALS:**

Grade	Name	Key Features	Applications
C11000	ETP Copper	High electrical conductivity	Busbars, wiring
C10200	OFC Copper	Oxygen-free, high purity	Audio cables, electronics
C12200	DHP Copper	Good weldability	Plumbing, solar panels
C12000	DLP Copper	Moderate conductivity	Heat exchangers

PRODUCT RANGE & SPECIFICATION

● BRASS (COPPER + ZINC ALLOYS)



- **GRADES:** CZ121, CZ122, IS 319, ASTM B16, ETC.

- **FORMS & SHAPES:**

- SHEETS / COILS / STRIPS
- ROUND BARS
- FLATS / HOLLOW SECTIONS
- TUBES & PIPES
- WIRES / FOILS / BUSHINGS / FITTINGS

- **BRASS GRADES ESSENTIALS:**

Grade	Type / Name	Key Features	Typical Applications
IS 319 Type I/II/III	Commercial Brass	General-purpose, good formability	Plumbing parts, hardware
CZ121	Free-Cutting Brass	Excellent machinability	Nuts, bolts, turned parts
CZ122	Naval Brass	Corrosion resistant, strong	Marine hardware, ship parts
C36000	High-Leaded Brass	Very high machinability	Precision components, valves
C26000	Cartridge Brass	Good ductility, easy to form	Ammunition, decorative items
C27000	Yellow Brass	High strength, corrosion resistant	Ornaments, industrial parts
C28000	Muntz Metal	Tough and corrosion resistant	Ship sheathing, architectural work
C46400	Naval Brass (Lead added)	Marine-grade, wear resistant	Condensers, propellers

PRODUCT RANGE & SPECIFICATION

● BRONZE FAMILY ALLOYS

PHOSPHOR BRONZE



- **GRADES:**

PB1, PB2, PB102, IS 28, BS 1400 PB1/PB2, BS EN 12163 PB102, ASTM C51000, C52100, C54400

- **FORMS & SHAPES:**

- SHEETS, PLATES, COILS, STRIPS, WIRES,
- RODS, ROUND BARS, FLAT BARS, HEX BARS,
- SQUARE BARS, TUBES, PIPES, BUSHES,
- HOLLOW BARS, FORGINGS, CASTINGS

- **PHOSPHOR BRONZE GRADES ESSENTIALS:**

Grade	Type / Standard	Key Features	Typical Applications
PB1	BS 1400 / IS 28	Excellent wear & corrosion resistance	Bushings, bearings, marine fittings
PB2	BS 1400	Higher strength, good pressure tightness	Gears, heavy-duty bearings
PB102	BS EN 12163 / C51000	Good spring properties, conductivity	Springs, washers, connectors
C51000	ASTM B139	High fatigue & wear resistance	Electrical terminals, hardware
C52100	ASTM B139	Higher tin content, harder alloy	Switchgear, thrust washers
C54400	ASTM B139	Free-cutting (contains lead)	Machined components, bushings



PRODUCT RANGE & SPECIFICATION

● BRONZE FAMILY ALLOYS

ALUMINIUM BRONZE



- **GRADES:**

AB1, AB2, BS 1400 AB1/AB2, ASTM B148 C95200, C95400, C95500, C95600, C95800, C95900, DIN G-CUAL10FE5NI5, IS 305 AB1/AB2

- **FORMS & SHAPES:**

- RODS, ROUND BARS, FLAT BARS,
- SQUARE BARS, HEX BARS,
- HOLLOW BARS, BUSHES, PLATES, SHEETS,
- PIPES, TUBES, FORGINGS,
- CASTINGS, FLANGES, RINGS, DISCS

- **ALUMINIUM BRONZE GRADES ESSENTIALS:**

Grade	Standard / Type	Key Features	Typical Applications
AB1	IS 305 / BS 1400	Good corrosion & wear resistance	Bushings, bearings, impellers
AB2	IS 305 / BS 1400	Higher strength, marine-grade	Pumps, propellers, valves
C95400	ASTM B148	General-purpose Al Bronze, good machinability	Gears, bushings, guide rings
C95500	ASTM B148	High-strength alloy, heat treatable	Aircraft parts, heavy-duty gears
C95800	ASTM B148	Superior corrosion resistance, especially seawater	Marine hardware, offshore platforms
C63000	ASTM B150	Nickel Aluminium Bronze, high impact resistance	Aerospace, naval, oil & gas
G-CuAl10Fe5Ni5	DIN Standard	Excellent strength and seawater resistance	Ship propellers, valve bodies



PRODUCT RANGE & SPECIFICATION

BRONZE FAMILY ALLOYS

GUN METAL



- **GRADES:**

RG5, RG10, LG2, LG4, IS 318 (GRADE 1, 2, 3), BS 1400 LG2, ASTM B505 C83600, C84400, C83800, SAE 40, SAE 65

- **FORMS & SHAPES:**

- INGOT, RODS, ROUND BARS,
- HOLLOW BARS, BUSHES, FLATS,
- PIPES, CASTINGS, RINGS,
- VALVES, FITTINGS, CUSTOM MACHINED PARTS

- **GUN METAL GRADES ESSENTIALS:**

Grade	Standard / Type	Key Features	Typical Applications
RG5	BS 1400 / DIN 1705	Good casting quality, pressure tight	Valves, pumps, bushes
RG10	BS 1400	Higher strength, corrosion resistant	High-pressure fittings, marine parts
LG2	BS 1400 / IS 318 Grade 2	Free-machining, general-purpose	Bearings, fittings, taps
C83600	ASTM B505	High lead content, excellent machinability	Plumbing, ornamental castings
C84400	ASTM B505	Versatile, good wear resistance	Gears, pump bodies
IS 318 Grade 1/2/3	Indian Standard	Varying tin and lead content	Bushes, valves, castings



PRODUCT RANGE & SPECIFICATION

● BRONZE FAMILY ALLOYS

SILICON BRONZE



- **GRADES:**

C65100, C65500, C65600, C66100, C64700, UNS C65100, ASTM B98, ASTM B96, BS 2874 CZ110

- **FORMS & SHAPES:**

- RODS, ROUND BARS, FLAT BARS,
- HEX BARS, SHEETS, PLATES,
- COILS, STRIPS, WIRES,
- TUBES, PIPES, BUSHES,
- HOLLOW BARS, FORGINGS, CASTINGS,
- FASTENERS, SCREWS, NUTS, BOLTS

- **SILICON BRONZE GRADES ESSENTIALS:**

Grade	Standard / Type	Key Features	Typical Applications
C65100	ASTM B98 / UNS C65100	Good strength, corrosion resistant	Marine parts, fasteners
C65500	High-Silicon Bronze "A"	Excellent formability, weldable	Architectural metalwork, springs
C65600	Silicon Bronze "B"	Strong, good bearing qualities	Bushings, bearings
C66100	Silicon Bronze	Enhanced mechanical properties	Industrial components
C64700	Low-Silicon Bronze	High conductivity, moderate strength	Electrical connectors



PRODUCT RANGE & SPECIFICATION

● BERYLLIUM COPPER



- **GRADES:**

C17200 (ALLOY 25), C17300 (ALLOY M25), C17500 (ALLOY 3), C17510 (ALLOY 10), UNS C17200 / C17300 / C17500 / C17510, ASTM B196, B197, B194, B441

- **FORMS & SHAPES:**

- RODS, ROUND BARS, FLAT BARS,
- SQUARE BARS, HEX BARS, SHEETS,
- PLATES, STRIPS, COILS,
- WIRES, TUBES, PIPES,
- FORGINGS, CASTINGS, PRECISION BLANKS,
- SPRINGS, CONTACTS

- **BERYLLIUM COPPER GRADES ESSENTIALS:**

Grade	Standard / Type	Key Features	Typical Applications
C17200	Alloy 25 / ASTM B196	High strength, non-magnetic, excellent fatigue resistance	Aerospace, springs, connectors
C17300	Alloy M25	Free-machining version of C17200	Precision components, fasteners
C17500	Alloy 3	Moderate strength, good conductivity	Spot welding electrodes, relays
C17510	Alloy 10	High conductivity, good hardness	Switch contacts, power connectors



PRODUCT RANGE & SPECIFICATION

NICKEL & NICKEL ALLOYS



- **GRADES:** NICKEL 200, 201, MONEL 400, INCONEL 600/625/718, INCOLOY 800/825, HASTELLOY C22/C276

- **FORMS & SHAPES:**

- SHEETS / PLATES / COILS
- RODS / BARS (ROUND/SQUARE/HEX)
- PIPES & TUBES (SEAMLESS/WELDED)
- WIRES / STRIPS / FOILS
- FITTINGS / FLANGES / FASTENERS

- **NICKEL & NICKEL ALLOYS GRADES ESSENTIALS:**

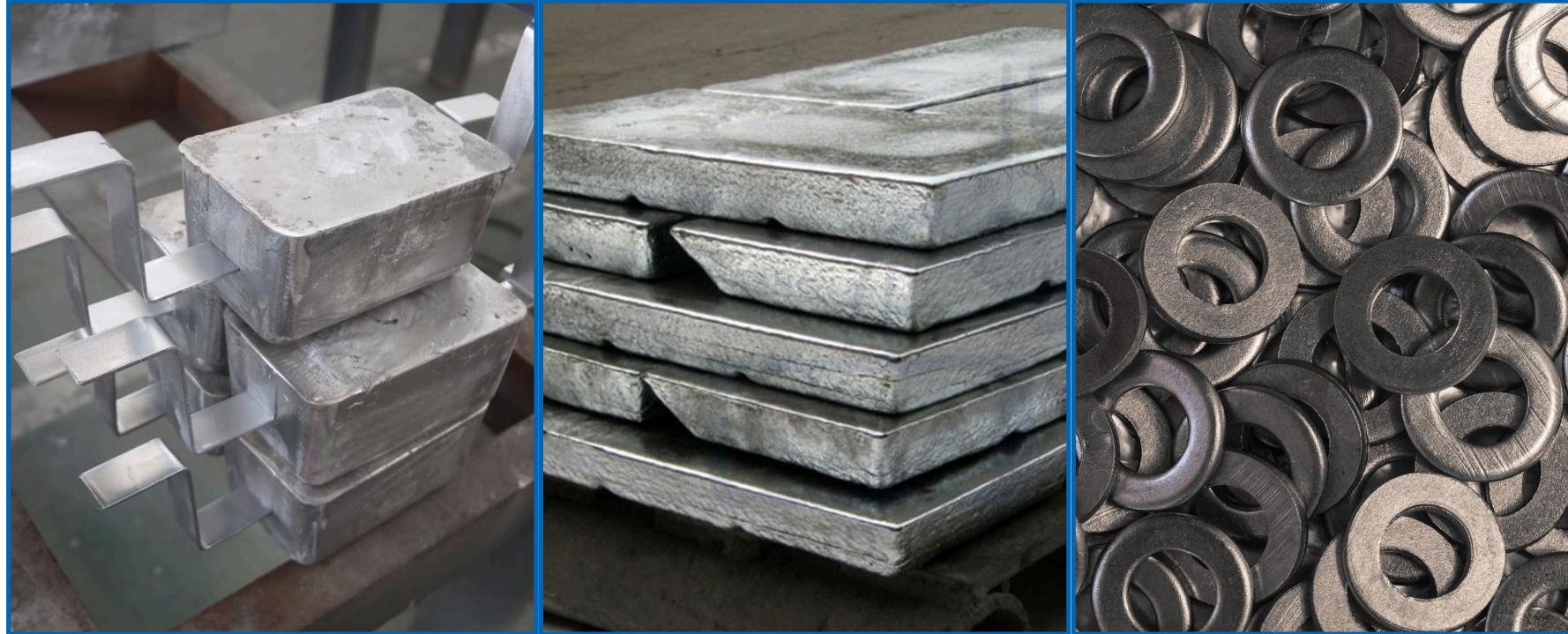
Grade	Type	Key Feature	Application
Nickel 200	Pure Nickel	High conductivity	Electrical, chemical tanks
Nickel 201	Low Carbon Nickel	High-temp resistance	Heat exchangers
Monel 400	Ni-Cu Alloy	Seawater & acid resistant	Marine, pumps, valves
Monel K500	Age-Hardened Ni-Cu	High strength + corrosion resistant	Oil & gas tools
Inconel 625	Ni-Cr-Mo Alloy	High strength, corrosion resistance	Aerospace, marine
Incoloy 825	Ni-Fe-Cr Alloy	Acid & oxidation resistant	Chemical processing
Hastelloy C276	Ni-Mo-Cr Alloy	Extreme corrosion resistance	Reactors, scrubbers



PRODUCT RANGE & SPECIFICATION

- **FORMS & SHAPES:** INGOTS, RODS, SHEETS, DIE-CASTING ALLOYS

ZINC & ZINC ALLOYS



- **ZINC GRADE TABLE:**

Type	Grades
Pure Zinc	SHG, HG, PWG
ZAMAK Alloys	ZAMAK 2, 3, 5, 7
ZA Alloys	ZA-8, ZA-12, ZA-27
Architectural	Titanium Zinc, Pre-Weathered Zinc

- **FORMS & SHAPES:** SHEETS, INGOTS, PIPES, ANODES, WIRE, BRICKS

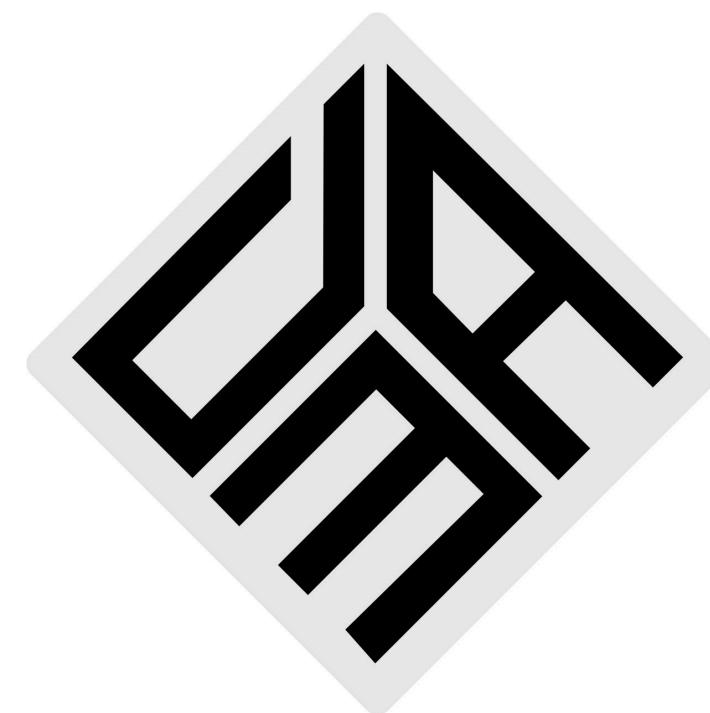
- **LEAD GRADE TABLE:**

Type	Grades
Pure Lead	LME Grade, 99.97%, 99.99%, Soft Lead
Refined Lead	ASTM B29 (Grade A & B), IS 27 Grade 99.97%
Lead Alloys	Pb-Sb (Antimonial Lead), Pb-Ca, Pb-Se, Pb-Sn
Battery Grade	Lead-Calcium Alloy, Lead-Antimony Alloy
Sheet Lead	Code 3 to Code 8 (by thickness - roofing/plumbing)





FERROUS METALS



01

Comprehensive
Product Range

02

Standards &
Certifications

03

Import &
Export
Ready

04

Client-
Centric
Approach



PRODUCT RANGE & SPECIFICATION

ALLOY STEEL



- **GRADES:**

- **CASE HARDENING:**

- 16MNCR5, 20MNCR5, 15CR3, 15CRMO5, EN353, 8620

- **HIGH TENSILE / HEAT TREATABLE:**

- EN19 (4140), EN24 (4340), EN8D, C45, 42CRMO4, 40CR4

- **BEARING & TOOL STEEL:**

- EN31, 52100, 100CR6, O1, D2

- **SPRING STEEL:**

- EN42J, 50CRV4, SUP10, 65MN, 60SI2MN

- **BOILER & PRESSURE USE:**

- A335 P11, P22, P91, P9, 4130, 4140

- **FORMS & SHAPES:**

- ROUND BARS (BRIGHT, PEELED, FORGED)
- FLAT BARS, SQUARE BARS, HEX BARS
- SHAFTS, PLATES, SHEETS,
- PIPES (SEAMLESS AND WELDED),
- TUBES (HYDRAULIC, MECHANICAL),
- HOLLOW BARS, BILLETS, INGOTS
- FORGINGS, BLOCKS (FORGED/ROLLED)

PRODUCT RANGE & SPECIFICATION

CARBON STEEL



- **GRADES:**

- **LOW CARBON (MILD STEEL):**

- IS 2062 A/B/C, ASTM A36, S235JR, SAE 1006-1010

- **MEDIUM CARBON:**

- C40, C45, EN8, SAE 1040-1045

- **HIGH CARBON:**

- C55, C60, EN9, SAE 1060-1080

- **FORMS & SHAPES:**

- ROUND BARS
- SQUARE BARS
- FLAT BARS
- HEX BARS
- SHEETS
- PLATES
- COILS
- ANGLES
- CHANNELS
- PIPES (SEAMLESS / WELDED)
- TUBES
- WIRE RODS
- BILLETS
- FORGINGS

PRODUCT RANGE & SPECIFICATION

CAST IRON



- **GRADES:**

- **GREY CAST IRON:**

- FG 150, FG 200, FG 220, FG 260, FG 300
- A48 CLASS 20-45, EN-GJL-150 TO 300, ISO GJL-150/200/250
- BS 180, 220, 260

- **DUCTILE (SG IRON):**

- SG 400/12, SG 500/7, SG 600/3, SG 700/2
- A536 60-40-18 TO 100-70-03, EN-GJS-400 TO 700
- ISO GJS-400-15, GJS-500-7, GJS-600-3

- **WHITE CAST IRON:**

- A532 (NI-HARD 1, 2, 4), HIGH CHROME/NICKEL GRADES

- **MALLEABLE IRON:**

- A47, EN-GJMB-350-10, EN-GJMW-400-5, ISO 5922

- **FORMS & SHAPES:**

- CASTINGS (CUSTOM MACHINE PARTS)
- ROUND BARS
- FLAT BARS
- HOLLOW BARS
- BLOCKS
- PIPES
- FITTINGS
- PLATES



PRODUCT RANGE & SPECIFICATION



STAINLESS STEEL



- **GRADES:**

- **AUSTENITIC (300 SERIES):**

- 301, 302, 303, 304, 304L, 309, 310, 310S, 316, 316L, 316TI, 317, 317L, 321

- **FERRITIC (400 SERIES):**

- 405, 409, 410S, 420F, 430, 434, 436, 439, 441, 446

- **MARTENSITIC:**

- 403, 410, 414, 416, 420, 422, 431, 440A, 440B, 440C

- **DUPLEX & SUPER DUPLEX:**

- 2205, 2304, 2507, S32750, S32760, F51, F53, F55

- **PRECIPITATION HARDENING:**

- 17-4PH, 15-5PH, 13-8MO, 17-7PH

- **FORMS & SHAPES:**

- SHEETS, PLATES, COILS
- ROUND BARS, HEX BARS, FLAT BARS, SQUARE BARS
- PIPES (SEAMLESS / WELDED), TUBES (ERW / CDW)
- WIRES, WIRE RODS, STRIPS
- ANGLES, CHANNELS, BEAMS
- FLANGES, FITTINGS, FASTENERS
- FORGINGS, BILLETS, BLOCKS, RINGS

MARINE JOBS & ENGINEERING GOODS



• PROPELLER



• BRONZE JOB



• GUN METAL BUSHES



• BRONZE IMPELLER



• PUMP SHAFTS



• WELDED VALVE

- AT **DEV METAL & ALLOYS**, WE PROUDLY SERVE THE MARINE INDUSTRY WITH A STRONG FOCUS ON **MARINE-GRADE METALS** AND CUSTOM-ENGINEERED **COMPONENTS**. OUR PRODUCTS ARE DESIGNED TO PERFORM IN **SALTWATER**, **HIGH-PRESSURE**, AND **CORROSIVE ENVIRONMENTS**, DELIVERING LONG-LASTING DURABILITY AND MECHANICAL STRENGTH. FROM SHIPBUILDING TO UNDERWATER SYSTEMS, WE ARE A RELIABLE PARTNER FOR HIGH-PERFORMANCE MARINE SOLUTIONS.
- WE SPECIALIZE IN MANUFACTURING AND SUPPLYING **SHAFTS**, **IMPELLERS**, **VALVE BODIES**, AND **FLANGE ASSEMBLIES** — ALL CRAFTED WITH TIGHT TOLERANCES AND SUPERIOR FINISHING. THESE COMPONENTS ARE COMMONLY USED IN **PROPULSION SYSTEMS**, **PUMPS**, AND **VALVE MECHANISMS**, WHERE RELIABILITY AND CORROSION RESISTANCE ARE NON-NEGOTIABLE. EACH PART UNDERGOES RIGOROUS TESTING TO ENSURE PERFECT PERFORMANCE UNDER EXTREME CONDITIONS.
- OUR PRODUCT RANGE INCLUDES CAST AND MACHINED PARTS IN NON-FERROUS METALS LIKE **BRONZE**, **BRASS**, **COPPER**, AND **ALUMINUM**, AS WELL AS FERROUS MATERIALS SUCH AS **STAINLESS STEEL** AND **ALLOY STEELS**. WE ALSO WORK WITH **HIGH NICKEL ALLOYS** FOR CRITICAL MARINE EQUIPMENT THAT REQUIRES ELEVATED RESISTANCE TO WEAR AND CORROSION. THESE MATERIALS ARE SELECTED BASED ON THE SPECIFIC ENVIRONMENTAL AND LOAD-BEARING REQUIREMENTS OF EACH APPLICATION.



MARINE JOBS & ENGINEERING GOODS

- **MATERIALS & GRADES USED IN MARINE COMPONENTS**

Product Name	Material Type	Common Grades / Standards	Key Properties
Propeller	Bronze / Gunmetal	LG2 (IS 318), AB2, Cu3Sn	Corrosion-resistant, wear-resistant, high strength
Impeller	Bronze / Stainless Steel	PB2, CF8M (SS316), Nickel Aluminum Bronze	Anti-corrosive, abrasion-resistant, long life span
Pump Shafts	Stainless Steel / Bronze	SS316, SS304, SS410, Duplex 2205	High tensile strength, corrosion & pressure resistant
Bronze Job	Phosphor Bronze / Gunmetal	PB1, PB2, LG2, SAE 660	High load-bearing, seawater resistance, machinability
Flanges	Stainless Steel / Brass	SS316L, SS304, IS 319 Brass	Rustproof, durable, leakproof sealing in pipelines
Gunmetal Bushes	Gunmetal / Bronze	LG2, SAE 841, LTB2 (IS 318)	Self-lubricating, excellent marine environment tolerance
Flange Nuts	Brass / Bronze / SS	IS 319 Brass, SS316, Gunmetal LG2	Anti-corrosion, high grip strength, used in marine joints



- **FLANGE NUTS**



- **FLANGES**

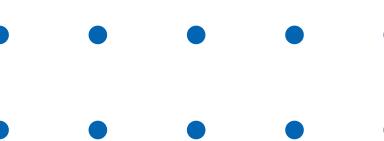


- **BRONZE BUSHES**



- **CUSTOM COPPER SHAFT**

- **WITH A STRONG COMMITMENT TO ENGINEERING EXCELLENCE, QUALITY ASSURANCE, AND ON-TIME DELIVERY, DEV METAL & ALLOYS STANDS AS A TRUSTED NAME IN MARINE MANUFACTURING. WHETHER YOU'RE BUILDING OR REPAIRING MARINE SYSTEMS, WE PROVIDE COMPONENTS THAT KEEP YOUR OPERATIONS SAFE, EFFICIENT, AND SEAWORTHY — FROM THE SURFACE TO THE SEAFLOOR.**



QUALITY ASSURANCE

- QUALITY ASSURANCE AT **DEV METAL & ALLOYS** WITH UNDERSTANDING THE CUSTOMERS REQUIREMENT AND CONTINUES TILL THE CUSTOMER IS COMPLETELY SATISFIED WITH THE DELIVERY OF PRODUCTS AND SERVICES.
- THESE PRODUCTS ARE MANUFACTURED USING ADVANCED TECHNOLOGY & LATEST MACHINERY & EVERY PERSON IN THE ORGANIZATION STRIVES HARD TO DELIVER "**EXCELLENCE**" TO THE CUSTOMER BY EXECUTING EACH PROCESS BETTER THAN THE BEST.
- OUR "**CUSTOMER - FIRST**" APPROACH SETS US APART FROM THE COMPETITION WHICH HELPS US TO BELIEVE IN LONG - TERM & MUTUALLY BENEFICIAL RELATIONSHIP WITH OUR CUSTOMERS.
- INCOMING RAW MATERIALS ARE THE FOUNDATION FOR THE FINAL PRODUCT. WE MAKE SURE THAT WE START WITH THE BEST RAW MATERIALS. OUR SUPPLIERS ARE WELL-INFORMED WITH OUR QUALITY REQUIREMENTS. RAW MATERIALS ARE INSPECTED FOR:
 - **CHEMICAL & MECHANICAL PROPERTIES**
 - **SURFACE QUALITY**
- **IN-PROCESS INSPECTION:**
PROCEDURES ARE DEFINED TO THE MINUTEST DETAILS. THESE PROCEDURES ENABLE **OPERATORS, SUPERVISORS & QUALITY CONTROL INSPECTORS** TO PRODUCE THE BEST QUALITY PRODUCTS. IN-PROCESS MATERIALS ARE INSPECTED FOR:
 1. **DIMENSIONAL PROPERTIES SUCH AS TOLERANCE, LOBBING, OUT-OF ROUNDNESS, LENGTH, STRAIGHTNESS**
 2. **SUITABLE FIXTURES ARE USED TO MAINTAIN DIMENSIONS ACCURACY.**
 3. **MECHANICAL PROPERTIES SUCH AS TENSILE, ELONGATION, YIELD, REDUCTION OF AREA, HARDNESS, ULTRA TESTING.**
 4. **SURFACE FINISH**
- **FINISHED GOODS INSPECTION:**
THE QUALITY ASSURANCE TEAM IN THE FINISHED GOODS DEPARTMENT - WE CALL THEM "**DEV METAL & ALLOYS INTERNAL CUSTOMER**".
- THEY INSPECT MATERIALS FROM THE CUSTOMER'S PERSPECTIVE. FINISHED GOODS ARE INSPECTED AS PER CUSTOMER SPECIFICATION FOR:
 1. **SURFACE FINISH**
 2. **DIMENSIONAL PROPERTIES SUCH AS TOLERANCE, LOBBING, OUT - OF - ROUNDNESS, LENGTH, STRAIGHTNESS, PROPERTIES,**
 3. **PACKING, COLOR CODING, MARKING.**



"BUILT ON METAL, SEALED WITH A HANDSHAKE"



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