



# **DANA GROUP IRON & STEEL DIVISION**



# VISION

We aspire to be the global steel industry benchmark for the world's most reliable and innovative steel manufacturer, service and solution provider in the steel industry.

# MISSION

To maximize value for our worldwide client base by supply of high quality steel products, providing related services and solutions while utilizing innovative technologies and a team of motivated employees, focused on continuous improvement, highest business standards, work ethics and corporate citizenship.

# ABOUT THE GROUP

Dana Group of Companies from the time of its inception in 1991 has strongly believed in a customer centric approach and this has been the norm followed across the corporate office, showrooms, manufacturing units, trading companies and associate offices.

With an annual turn-over of US\$500 million in the financial year of 2004-2005, the company has only seen a phenomenal growth and has grown into a family of over 500 hard-working professionals committed to serving Dana Group's customers.

The Group has successfully expanded its operations to several countries with the corporate office and showrooms in Dubai, trading companies in India and Dubai, associate offices in Libya, Iraq, West-Africa and South-Africa, manufacturing units backed by highly experienced R&D personnel in UAE, Libya and India.



**Dr. Birbal Singh Dana**  
Founder, Chairman & Managing Director

Dr. Birbal Singh Dana was formally a General surgeon by profession. He had a commendable stint at the University Hospital of Libya for over 15 years where he rose to the position of the Head of Department of Surgery, before he took to entrepreneurship in 1991. Having sound business acumen, he put his principles of honesty, diligence and patience to practice in his venture.

A person with vision and vigor, he has been the principal force behind the phenomenal growth of the Group and under his leadership the company has come to be the most respected and widely diversified business house in the Middle East.

# CORE VALUES

- We uphold honest business practices and nurture a mutually respectful and beneficial relationship with all our customers and suppliers.
- We are passionate about achieving results that exceeds expectations.
- We believe our employees are our greatest asset.
- We embrace change and are on the lookout to seize new opportunities at all time.
- We scale to seek heights of excellence in all that we do.

# OUR GROUP COMPANIES

## Seven Eagles International Trading L.L.C., U.A.E.

Being one of the world's most geographically diversified steel importers and stockiest, the company has successfully established a laudable position among its customers and become a go to name for all kinds of steel requirements, be it in construction, oil field industries, fabricators or even traders for that matter.

## Dana Water Heaters & Coolers L.L.C., U.A.E

This manufacturing unit Located in Al-Quoz Industrial Area is equipped with state-of-the-art facilities and is run by a dedicated team of skilled experts with sound technological knowledge.

The unit manufactures a wide range of products which include

- Water heater
- Water coolers
- Water Chillers
- Heat Pumps
- Water dispenser's

As substantiation to the high standards of quality followed in production, the factory has earned ISO 9001:2008, GCC, DCL and ECAS certifications.

## Apika Enterprises, India

Apika Enterprises is a manufacturing facility and an Import -Export house headquartered in Jaipur, India. Employing over 50 skilled personnel, the unit manufactures steel utensils on a mass scale. With trading offices at New Delhi and Mumbai, India, it endeavors to serve the B2C market. It also deals with import and export of plant machinery and other hardware products for the domestic and overseas market.

## Delta Steel Industries FZC, Libya

### WATER HEATER AND COOLER MANUFACTURING DIVISION

Established in the year 2010, to cater to the booming Libyan construction sector, this division manufactures and exports water heaters, coolers and chillers.

### COIL AND PLATE SERVICE DIVISION

This one of a kind manufacturing facility with a max coil load of 30 T, it was established as a part of Dana's expansion plan. This unit boasts of imported machinery that is capable of handling thickness in the range of 4-18 mm and 200 mm wide.



## Dana Steels Pvt. Ltd., India

An outstanding manufacturing facility spread over an area of 35000 sq.m(in Chopanki Industrial Area, Bhiwadi, Rajasthan, India) is equipped with Hi-Tech Contemporary Machinery. A unit of 200 skilled personnel manufactures high quality

- ERW pipe tubes (Electric resistance welded pipes, tubes, hollow sections)
- Scaffolding & formwork systems

Dana Steels is the proud supplier to leading contractors & infrastructure development companies in India and abroad.

## Dana Hospitals Pvt. Ltd., India

Dana hospitals would be the first multi-specialty private hospital in the capital city of Rajasthan. With a vision to make world-class medical care available to the common man, Dr. B.S.Dana is aiming to establish state-of-the-art infrastructure to accomplish his goal. The hospital will serve patients from other nations as well through strategic tie ups with various CSR organizations.

## Dana Steel Processing Industry L.L.C., U.A.E.

This is unit of Dana Group at U.A.E has 2 major divisions with 2 plants in Ajman & Dubai :

### CABLE MANAGEMENT SYSTEMS DIVISION

Equipped with modern technology and infrastructure this division manufactures the below products that are supplied to various power plants, electricity boards, engineering organizations, etc.

- Cable Trays / Ladders
- Trunkings & accessories
- Perforated sheets
- GI lintels

### PROFILES & CLADDING DIVISION

This division's production capacity has increased manifold in the recent past and manufactures the following

- Insulated composite profiled panels
- Drywall metal profiles (studs/tracks/furring channels, hat channels)
- Profiled cladding sheets
- Sandwich Panels
- Purlins

# SEVEN EAGLES INTERNATIONAL TRADING L.L.C.

## SERVICE CENTER

The steel market in the present scenario has made a shift from simply selling steel to selling customized steel solutions. Quality is no longer a sufficient differentiator but a necessary attribute. Manufacturers are now looking to reduce inventory holding and processing costs, wanting customized solutions and looking for Just In Time Supplies (JIT). They now prefer buying steel in custom sizes rather than the conventional sheets and coils.

In order to cater to these requirements we have our Service Centers set up in Dubai & Ajman having state of the art technology to help in creating tailor made steel supply solutions for you. Backed up by a young and responsive team working round the clock, and our own fleet of vehicles, we are able to meet the tightest of deadlines.

We simply bridge the gap between the mills and the end users, thereby adding value to what the mills have to offer and giving the customer what they really want.

## CUT INTO LENGTH

Equipped with state of the art IGBT Technology, our fully automatic cut to length line helps not only to achieve high production rates but also ensures superior quality. This versatile line performs various functions like de coiling, leveling, shearing and stacking.

### SPECIFICATIONS

<b>Material</b>	Hot Rolled, Cold Rolled, Galvanized, Pre Painted Galvanized Stainless Steel, Aluminum
<b>Thickness</b>	0.3 mm to 15 mm
<b>Width</b>	Up to 2000 mm
<b>Coil I.D.</b>	450 mm - 800 mm
<b>Max. Coil Weight</b>	25MT
<b>Length</b>	up to 6000 mm

## SLITTING LINE

Our high precision slitting line enables us to slit coils to narrow widths, adhering to the strictest of tolerances thereby minimizing wastage and giving our customers a competitive edge in their markets.

### SPECIFICATIONS

<b>Material</b>	Hot Rolled, Cold Rolled, Pre Painted Galvanized, Stainless Steel, Aluminum
<b>Thickness</b>	0.1 mm to 3.5 mm
<b>Width</b>	Up to 1550 mm
<b>Coil I.D.</b>	450 mm - 800 mm
<b>Max. Coil Weight</b>	15MT



# Galvanized Iron (G.I.)

Hot dipped galvanized steel is produced by passing cold rolled steel through a molten bath of Zinc at temperatures around 460 °C. The Zinc acts as a physical barrier between the atmosphere and the surface of the metal. Further, due to its lower chemical potential than iron, it is attacked and dissolved first, thereby offering superior corrosion resistance ( cathodic protection ).



## SURFACE FINISH

Galvanized steel can be identified by the crystallization pattern on the surface ( often referred to as “spangle” ). Regular, Minimal and Zero Spangle are the three types of surface finishes that are available.

## APPLICATIONS

GI has a wide variety of applications which include Roofing, Sidewall Partitions, False Ceilings, Decking, Steel Buildings, Automobile Components, Water Heater and Coolers, Furniture, Rolling Shutters, Sign Boards, HVAC Ducting and many more.

## COATING THICKNESS

The service life of this material would depend on the coating thickness, which is available between 90 to 500 grams per square meter.

## ADVANTAGES

- Superior corrosion resistance
- Higher aesthetic value
- Excellent workability and adherence to paint

## SPECIFICATIONS

Thickness	0.15 mm to 5 mm
Width	914 mm to 1500 mm
Zinc Coating	90 to 500 gsm
Surface Finish	Regular, Minimized or Zero Spangle
Length	up to 6000 mm / Coil Form

## GRADES

CLASSIFICATION	JIS G 3302	ASTM A 653	EN 10142, 10147
Commercial Quality	SGCC	CS	DX51D
Lock Forming Quality	SGCD1	CS	DX51D
Drawing Quality	SGCD2	FS	DX52D
Deep Drawing Quality	SGCD3	DDS / EDDS	DX53D
Structural Quality	SGC 340 - 570	Grade 230-550	S220 - S550

## MECHANICAL PROPERTIES

CLASSIFICATION	TYPE	YIELD POINT (N/mm <sup>2</sup> )	TENSILE STRENGTH (N/mm <sup>2</sup> )	ELONGATION (%)					
				THICKNESS					
				0.25 to 0.40	0.40 to 0.60	0.60 to 1.0	1.0 to 1.6	1.60 to 2.5	2.5 +
JIS G 3302	SGCC								
	SGCD1		270		34	36	37	38	
	SGCD2		270		36	38	39	40	
	SGCD3		270		38	40	41	42	
	SGC340	245	340	20	20	20	20	20	20
	SGC400	295	400	18	18	18	18	18	18
	SGC440	335	440	18	18	18	18	18	18
	SGC490	365	490	16	16	16	16	16	16
	SGC570	560	570						
ASTM A 653	CS Type A	170					20		
	CS Type B	205					20		
	CS Type C	170					15		
	FS Type A	170/240					26		
	FS Type B	170/240					26		
	DDS	140/170					32		
	EDDS	105/170					40		
	SS-Gr 230 / Gr A / Gr 33	230	310				20		
	SS-Gr 255 / Gr B / Gr 37	255	360				18		
	SS-Gr 275 / Gr C / Gr 40	275	380				16		
	SS-Gr 340 C1 / Gr D / Gr 50	340	450				12		
	SS-Gr 340 C3 / Gr F / Gr 50	340	480				12		
	SS-Gr 550 / Gr E / Gr 80	550	570				12		

## Pre Painted Galvanized Iron (P.P.G.I.) / Pre Painted Galvalume (P.P.G.L.)

Generally manufactured with hot dip zinc coated / cold rolled steel or an aluzinc substrate, the coil is processed on a continuous paint line (CPL) where in the surface of the metal is cleaned, pre-treated and applied with various layers of organic coatings.

Our product range of color coated material combines the strength and formability of steel with the corrosion resistance of zinc and paint. We have the widest range of colors in the market. Further, shades and degree of gloss can also be tailored to suit your requirement. PPGI could be supplied as coils, sheets, slit strips or even profiled sheets.

### SPECIFICATIONS

<b>Thickness</b>	0.15 mm to 1.5 mm
<b>Width</b>	Up to to 1500 mm
<b>Coil I.D.</b>	508 mm / 610 mm
<b>Zinc Coating</b>	80 to 275 gsm
<b>Paint / Finish Coat</b>	Polyester (PE) / PVDF / PVF2 / Plastisol or others on request
<b>Color</b>	As per RAL Color Code or as per sample submitted
<b>Surface Finish</b>	Smooth, Matt, Gloss, Textured
<b>Top Coat</b>	5 to 7 Micron Epoxy (Primer) + up to 50 Micron (Finish)
<b>Back Coat</b>	5 to 7 Micron Epoxy (Primer) + up to 20 Micron (Finish)
<b>Base Metal</b>	Hot Dipped Galvanized / Cold Rolled Steel / Aluzinc
<b>Base Metal Grade</b>	EN 10147, DX 51D, DX52D, S280GD, S350GD, ASTM A 653 CS / FS / SS JIS G 3302 SGCC / SGCD1 / SGC 340 - 570
<b>Grade</b>	ASTMA 755/ A 755 M, BS EN 10169, JISG3312

### APPLICATIONS

Due to its high aesthetic value and its superior corrosion resistance, PPGI is used in several applications which include corrugated roofing sheets, sandwich panels, electrical appliances, furniture, barricading and many more.

# Hot Rolled Steel

Hot rolling is a metal working process where large pieces of metal, such as slabs or billets, are heated above their re-crystallization temperature and then deformed between rollers to form thinner cross sections. Hot rolled products (commonly known as black steel) generally weld, bend, drill and form very easily and are the least expensive of steels.

## APPLICATIONS

Rail tracks, storage tanks, storage bins, tubes & pipes, high-pressure gas cylinders, oil well pipes, pipelines, bearing plates for buildings, boilers, ship construction and other structural applications.

## SPECIFICATIONS

<b>Thickness</b>	1.2 mm to 50 mm
<b>Width</b>	up to 1500 mm
<b>Length</b>	up to 6000 mm / Coil Form
<b>Finish</b>	Mill / Trimmed Edge
<b>Coil Weight</b>	up to 25MT

EN 10025 - 90 + A1- 93	ITALIA UNI 7070	GERMANIA DIN 17100	FRANCIA AFNOR NF A 35.501
S 185	Fe 320	St 33	A 33
S 235 JR	Fe 360 B	St 37 - 2	E 24 - 2
S 235 JO	Fe 360 C	St 37 - 3U	E 24 - 3
S 235 J2 G4			
S 275 JR	Fe 430 B	St 44 - 2	E 28 - 2
S 275 JO	Fe 430 C	St 44 - 3U	E 28 - 3
S 275 J2 G3	Fe 430 D	St 44 - 3N	E 28 - 4
S 275 J2 G4			
S 355 JR	Fe 510 B		E 36 - 2
S 355 JO	Fe 510 C	St 52 - 3U	E 36 - 3
S 355 J2 G3	Fe 510 D	St 52 - 3N	
S 355 J2 G4			
S 355 K2 G3	Fe 510 DD		E 36 - 4
S 355 K2 G4			

G.B. 4360	SPAGNA UNE 36080	CHINESE STANDARDS	USA ASTM
	A 310 - 0	Q 195	
40 A		Q 235 A C	A 283 Gr C / B
40 C	AE 235 C	Q 235 C	
43 B	AE 275 B	Q 255 A	A 36 / A 283 D
43 C	AE 275 C		
43 D	AE 275 D	Q 275	A 633 Gr A
50 B	AE 355 B		A 572 Gr 50 / A 678 Gr A
50 C	AE 355 C		
50 D	AE 355 D		
50 DD			





# Cold Rolled Close Annealed (C.R.C.A.)

After hot rolling and pickling, steel is cold rolled (below the re crystallization temperature) to a reduced thickness. This is then followed by annealing in a closed atmosphere of nitrogen or other non-oxidizing gases thereby relieving stress, increasing strength and ductility. It also improves the surface finish and holds tighter tolerances.

## APPLICATIONS

Typical uses for Cold Rolled Steel would include furniture, motorcycle exhaust pipes, computer cabinets, home appliances, shelving, lighting fixtures, tubing, steel drums, metal enclosures and many more.

## SPECIFICATIONS

Thickness	0.2 mm to 2 mm
Width	up to 1500 mm
Length	up to 6000 mm / Coil Form

## GRADES

Quality	EN 10130	JIS G3141	ASTM A 1008	IS 513	DIN 1623
Commercial Quality	DC01 / DC02	SPCC	CS type A, B & C	O	St 12
Drawing Quality	DC03	SPCD	DS	D	St 13
Deep Drawing	DC04	SPCE	DDS	DD	St 14
Extra Deep Drawing Quality	DC05	SPEN	EDDS	EDD	-
IF	DC06	-	EDDS+	-	St 15
HIF350	220Y	SPC340HR	-	-	-

CLASSIFICATION	DESIGNATION	CHARACTERISTICS
Dull Finish	SD	Finished with rough (dull) surface rolls which are processed mechanically or chemically. Dull Surface products are widely used to improve pressing performance by ensuring even distribution of press oil and to improve paint adhesion. It is equivalent to D finish in JIS
Bright Finish	SB	Finished with smoothly polished rolls. Bright products are suitable for applications which require attractive luster, such as metallic coated surfaces and for lightly painted surfaces. It is equivalent to B finish in JIS



# LONG PRODUCTS

Backed up by a strong supply chain team we ensure the best quality material is made available to you at a cost effective price. We consistently maintain stock of a wide range of Long Products to cater to booming construction sector in the Middle East market.

- **Beam** : British Sections (Universal Columns / Beams) , European Sections (IPE, HEA, HEB, IPEAA etc) Japanese Sections
- **Channels** : British (PFC), European (UPN, UPE), Japanese channels (Light & Heavy Weight)
- **Angles** : Equal, Unequal, T angles
- **Bars** : Flat, Square, Round, Shafting etc.
- **Tubes** : Rectangular & Hollow Tubes
- **Pipes** : Galvanized ( A,B,C and A1 Class), Mild Steel ERW Pipes (B Class & SCJ40), Seamless Pipes

## Electric Resistance Welded (ERW) Steel Pipes & Tubes

### Fala Dana Steel Industry LLC Product Range

Section	Specifications	Steel Grade	Dimensions
<b>CHS - Circular Hollow Sections</b>	ASTM A500, EN10219, EN10255, ASTM A53 Gr. A/Gr.B	ST37.2, S235, S275, S355	Dia 21.3mm ( 1/2 " ) to 88.9mm ( 3 " )
<b>SHS - Square Hollow Sections</b>	ASTM A 500Gr. A/B/C, EN 10219	S235, S275, S355	16 x 16 - 100 x 100
<b>RHS - Rectangular Hollow Sections</b>			40 x 20 - 100 x 50

- **Wall Thickness** 1.0 - 8mm
- **Length** 4 - 12 m
- **Surface** Varnish Coating, Bitumen Coating, Oil Coating as per customer's requirement.
- **Test** Chemical Component Analysis, Mechanical Properties (UTS, YS, Elongation, Bend Test) Size Inspection, Hydrostatic Test
- **Mill Test Certification** EN 10204/3, 1B



# FERROUS AND NON-FERROUS METALS SCRAP

With an aim to establish a strong foothold in the field of trading, this division is yet another milestone towards our goal of becoming a global player in the industry. This unit of Dana Group is into export, import and trading of ferrous and non-ferrous metal alloys and scrap in several countries across the globe in accordance with ISRI specifications. The division has strong hold in UAE backed by an established supply chain that collects and segregates ready to export scrap metal.

With a robust backward integration in place and a vast network of reliable suppliers we have been able to successfully control, streamline operations and produce quality products. We are on a constant lookout for new source of suppliers and create new procurement centers in order to have a sustained expansion. This division is mainly engaged in trading with International players.

The main product lines this division handles are as follows:

## COPPER SCRAP

- Mill Berry ( Shiny )
- Black Berry
- Birch Cliff

## ALUMINIUM SCRAP

- Troma – Aluminum Auto Or Truck Wheels
- Trump – Aluminum Auto Castings
- Tread—Segregated new Aluminum Castings, Forgings And Extrusions
- Taint/Tabor—Clean Mixed Old Alloy Sheet Aluminum
- Taldon—Baled Aluminum Used Beverage Can (UBC) Scrap
- Talk—Aluminum Copper Radiators
- Talon—New Pure Aluminum Wire & Cable
- Tassel—Old Mixed Aluminum Wire & Cable
- Telic—Mixed Aluminum Boring & Turnings
- Tense—Mixed Aluminum Castings
- Twitch—Floated Fragmentizer Aluminum Scrap (from Automobile Shredders)

## SPECIAL ALLOYS SCRAP

- Stainless Steel – 304 / 316
- Cupro-Nickel – 90/10

## BRASS SCRAP

- Bronze / Brass Scrap – Composition Or Red Brass
- Ebony- 85/5/5/5 ( Sn Bronze)
- Ship Breaking Brass (Sn Bronze ) Propeller Scrap
- Honey—Yellow Brass Scrap
- Ocean—Mixed Unsweated Auto Radiators

## LEAD SCRAP

- Racks—Scarp Lead—Soft
- Radio—Mixed Hard / Soft Scrap Lead
- Rails—Lead Batter Plates
- Rains—Scrap Drained / Dry Whole Intact Lead
- Rakes—Battery Lugs
- Lead Pipe Scrap
- Remelted Lead Ingots

## LEAD SCRAP

- Heavy Melting Scrap
- HMS-1
- HMS-1&2
- LMS-Baled
- Shredded HMS 211 Series





## DANA GROUP OF COMPANIES

( IRON & STEEL DIVISION)

[An ISO 9001:2008 Certified Company]

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