



Product Information:

HOT ROLLED COIL AND DERIVATIVES GREEN STEEL



**VULCAN
GREEN STEEL**
PART OF JINDAL STEEL GROUP



Vulcan is a leading industrial powerhouse that is part of the Jindal Steel Group. Jindal Steel Group operates at **13.5 MTPA** steel capacity and exports to more than **30 countries** worldwide. From the widest flats to a range of cutting-edge long products, Jindal Steel Group has a product portfolio that caters to various sectors of the steel market.

Jindal Steel Group is one of the largest private steel-makers in GCC and operates in Oman with **2.4 MTPA** DRI-EAF capacity. We have one of the lowest carbon footprints for virgin steel and have sustainability at the forefront of our agenda.

Vulcan Green Steel is our marquee initiative to produce true green steel and takes a significant stride to combat climate change.

With Vulcan Green Steel, we are setting up one of the largest green steel plants in the world in Duqm, Oman.

The Duqm Green Steel Plant will be powered completely by renewable energy sources such as solar, wind & pump-hydroelectric storage, ensuring round-the-clock green power supply to achieve one of the **lowest carbon footprints** in the world.

The plant shall be well equipped with a state-of-the-art mill to supply Hot Rolled Coils for automotive, tubes & pipes, and construction sectors. We will also provide downstream products (HR Pickled, Cold Rolled Coils, Galvanized, CRNO, etc.) for automotive and construction sectors basis market demand; as well as latest technology plate mill to supply plates for wind energy, yellow goods, construction, shipbuilding, Oil & Gas (API) & pressure vessels sectors.



VULCAN DUQM TO BE A FULLY INTEGRATED GREEN HYDROGEN READY STEEL PLANT



6 MTPA Green Steel production
(commissioning from 2026 onwards Phase 1)



24/7 Renewable Energy
from solar, wind and PHES



Electrolyzer capacity of 5-6 GW
for green hydrogen



Jetty adjacent to the plant
(worldwide access & reduced in-land transport)

Vulcan offers Unique opportunity
to bring down emissions due to operational control over full value chain



Vulcan owns high quality iron ore mines in Cameroon and South Africa
(Vulcan iron ore mines will be commissioned by 2025)



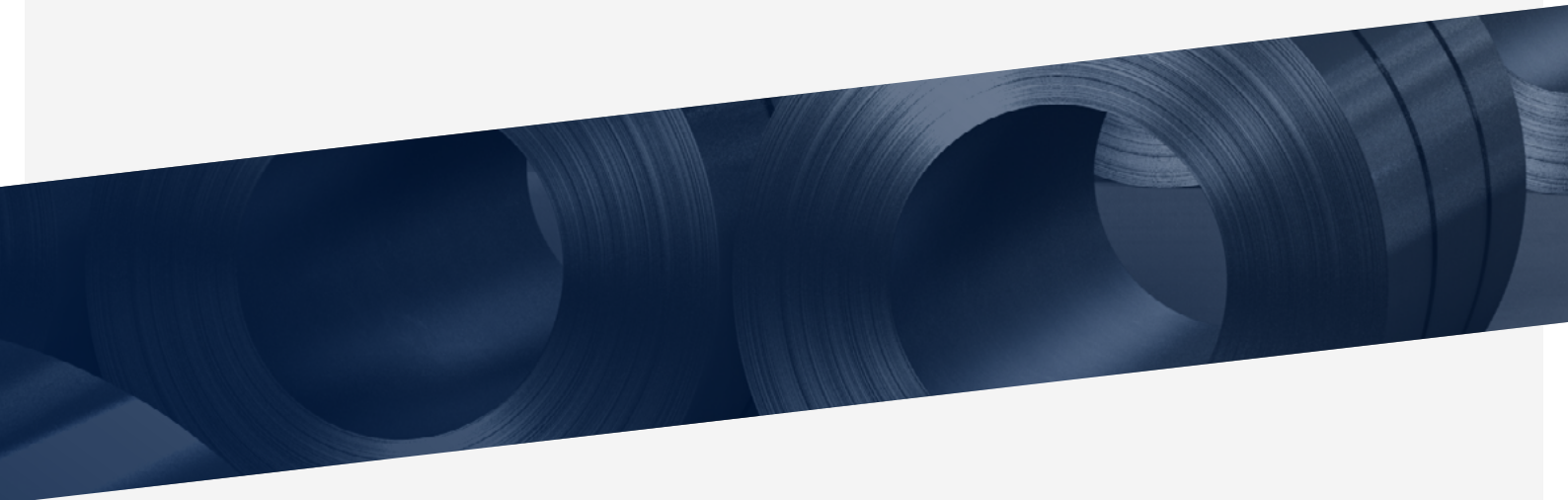
Fully backward and forward integrated steel player
(from mine to mill)

Hot Rolled Coil (HRC) key features

- Widest range of Hot Rolled products such as Cold rolling and Galvanizing, Drawing, Welded Tubes & Pipes etc
- One of the widest hot rolling mills capable of rolling up to 2142mm width and up to 25.40 mm thickness
- Perfect for line pipe applications with the capability to produce API grades
- Close dimensional tolerance with capability to produce High Strength and Dual phase steel
- Defect free surface of hot rolled sheets with Online Surface Inspection system and Automatic flatness control model
- Crown control and Slitting narrow strip and Robust levelling system in Cut to Length line
- Superior quality ultra-thin gauge low carbon Hot Rolled coils with thickness as less as 0.80 mm

Downstream Technology (PLTCM+CGL) key features

- State-of-the-art continuous pickling, cold rolling, skin passing & color coating technologies
- Higher strength up to 1200 MPa
- Seamless automatic material storage, tracking, retrieval and transfer system



PHASE-1 & 2: HOT ROLLED COILS & HOT ROLLED PICKLED OIL COILS (HRPO)

Available Grades (HRC & HRPO)





Steel Type	Applications	Steel Grade (EN)
Hot Rolled Cold Forming Steels	Automotive: Deep and extra deep drawing of visible (exposed) & Structural parts	DC11, DC12, DC13(*), DC14(*)
Hot Rolled High Strength Low Alloy for Cold Forming	Automotive: Chassis components, Wheels Seat runners, Subframes	S315MC, S355(*) to S700MC(*); HX240LAD/LA to HC500LAD/LA(*)
Hot Rolled DualPhase (DP) Steel	Automotive: Wheel webs, Lightweight sections, Strut mounts, Fasteners	DP600, DP800, DP1000(*), DP1200(*); HDT580X to HDT11800X(*)
Hot Rolled Complex Phase (CP) Steels	Automotive: Safety components requiring good impact strength and for suspension system components	HDT750C, HDT780C, HDT980C(*)
Hot Rolled Martensitic (MS) Steel	Automotive: Front and rear bumper beams, Door beam, Side sill reinforcement, Roof crossmember	HR900Y1180T-MS(*)
Hot Rolled Ferrite Bainite (FB) Steel	Automotive: Structural parts (longitudinal beams, crossmembers, body and running-gear components), Wheels Mechanical parts (running-gear components, transmissions, etc.)	HDT420F, HDT450F; HDT560F(*), HDT580(*), HDT590F(*)
Press Hardening / Hot Stamping / Forming Steels (Boron)	Automotive: Front and rear bumper beams, Door reinforcements, Windscreen pillar, reinforcements, B-pillar reinforcements, Floor and roof reinforcements, Roof and dash panel crossmembers	HR1500T-MB-DS(*)
Silicon NGO (Silicon upto 3.5%)	Electrical (NGO)	HR - NGO(*)
Structural Steel	Construction	S185, S235, S275, S355(*), S420(*), S460(*), S520(*)
Medium Carbon Steels	Construction	C15 to C20
High Carbon Steels	Construction	C30(*), C45(*), C55(*)
Low Pressure Vessels	Low Pressure vessels	P275NL1/NL2, P235GH, P265GH
Gas Cylinder	Gas Cylinder	P265NB, P310NB, P355NB
Oil & Gas Tubes & Pipes	Tubes & pipes	API 5L: 5CT, J55, B, X42, X46, X60, X70

i Note: The steel grades mentioned in (*) are scheduled in Phase-2 production and trial quantities available from July 2027; We can serve HR Black and Pickled & Oiled (HRPO) across all of low-med-high grade products; Tailor made specifications on Technical Delivery Conditions available

Available Dimensions (HRC & HRPO)

Thickness:	0.80mm – 25.4mm
Width:	900mm – 2142mm
Internal Diameter:	762mm (+/- 50)
Outer Diameter:	2200mm (+/- 100)
Weight:	Up to 40 MT

Availability Dates (Trial Quantities)

Sector		Indicative Dates
Construction		July 2026
Tubes & Pipes		July 2026
Automotive (Un-exposed)		July 2026
Automotive (Exposed)		July 2027

PHASE-1 & 2: COLD ROLLED & HOT DIP GALVANIZED COILS

Available Grades (Cold Rolled & Hot Dip Galvanized Coils)




Steel Type	Applications	Steel Grade (EN)
Cold Rolled High Strength Low Alloy for Cold Forming	Chassis components, Wheels, Seat runners, Subframes	HX260LAD/LA to HX500LAD/LA; HC260LAD/LA to HC500LAD/LA
Cold Rolled Drawing Steels	Deep and extra deep drawing of visible and structural parts	DX51D, DX52D, DX53D(*) to DX58D(*) DC01, DC52, DC53(*) to DC07(*)
High Strength Interstitial Free (IF) Steels	a) Skin parts (dent resistance) b) Structural parts (longitudinal beams, cross members, B-pillars, etc.)	HX160YD(*) to HX260YD(*) HC180Y(*) to HC260Y(*)
High Strength Bake Hardening Steels	a) Visible (door, hood, tailgate, front wing, roof) b) Structural (underbody, reinforcement, cross member, lining) parts	HX180BD to HX300BD; HC180B to HC300B
Solid Solution Steels (Phosphorus)	Longitudinal beam, Crossmembers	HC220P to HC300P
Cold Rolled Dual Phase (DP) Steels	Wheel webs, Lightweight sections, Strut mounts, Fasteners	DP450 to DP800, DP1180(*) HCT450X to HCT780X, HCT1180X(*)
Cold Rolled Dual Phase with Improved Formability (DH) Steels	Safety parts intended for crash resistance	CR330Y590T-DH to CR700Y980T-DH(*)
Transformation Induced Plasticity (TRIP) Steels	Crossmembers, Longitudinal beams, B-pillar reinforcements, Sills and bumper reinforcements	HCT690T, HCT780T
Cold Rolled High Formability (FR) Steels for Cold stamping	Safety parts intended for crash resistance	CR600Y980T-FH to CR850Y1180T-FH(*)
Cold Rolled Complex Phase (CP) Steels	Safety components requiring good impact strength and for suspension system components	HCT780C to HCT1180C(*) CR570Y780T-CP to CR900Y1180T-CP(*)
Cold Rolled Complex Phase Steels with Improved Formability (CH) for Cold Stamping	Safety parts intended for crash resistance	CR780Y980T-CH to CR1000Y1370T-CH(*)
Cold Rolled Martensite (MS) Steels	Front and rear bumper beams, Door beam, Side sill reinforcement, Roof crossmember	CR860Y1100T-MS to CR1350Y1700T-MS(*)
Press Hardening / Hot Stamping / Forming Steels	Front and rear bumper beams, Door reinforcements, Windscreen pillar, reinforcements, B-pillar, Floor and roof reinforcements, Roof and dashpanel crossmembers	CR500T-LA-DS, CR600T-LA-DS; CR1000T-MB-DS to CR1900T-MB-DS(*)

i Note: The steel grades mentioned in (*) are scheduled in Phase-2 production and trial quantities available from July 2027; We can serve HR Galvanized (GI, GA, GL & ZAM coatings) across all of low-med-high grade products; Tailor made specifications on Technical Delivery Conditions available

Available Dimensions (Cold Rolled & Hot Dip Galvanized Coils)

Thickness:	0.25mm – 3.5mm
Width:	800mm – 2000mm
Internal Diameter:	762mm (+/- 50)
Outer Diameter:	2200mm (+/- 100)

Availability Dates (Trial Quantities)


Sector	Indicative Dates
Construction 	July 2026
Automotive (Un-exposed) 	July 2026
Automotive (Exposed) 	July 2027

PHASE-3: CRNO

Available Grades (CR coils to be made for following CRNO grades)

Following CRNO Grades from HR Coil available


Grades (AISI)	Grades	Application
M-15	210, 230, 250, 300, 360, 440	<ul style="list-style-type: none"> • Large rotating machines • Medium rotating machines • General use AC motors • Hermetically sealed motors
M-19		
M-22		
M-27		
M-36		
M-15	230, 250, 270, 290, 310, 350, 400, 470, 600, 700, 800, 1000	<ul style="list-style-type: none"> • Home appliance motors • Small precision motors • Small power transformers • Reactors • Instrument transformers • Welding transformers • Megnatic switch
M-19		
M-22		
M-27		
M-36		
M-43		
M-45		

 Note: Tailor made specifications on Technical Delivery Conditions available

Available Dimensions (CRNO)

Thickness:	0.25mm – 3.2mm
Width:	800mm – 2000mm
Internal Diameter:	762mm (+/- 50)
Outer Diameter:	2200mm (+/- 100)

Availability dates (Trial Quantities)

Sector	Indicative Dates
Electrical 	December 2028



FOR QUESTION OR INQUIRIES, REACH OUT TO



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