

UNYIELDING PERFORMANCE, UNMATCHED PROTECTION

JSW Kalinga Z Fab is a collection of high-quality GP steel tubes designed to withstand corrosion. Crafted from top-notch steel, these tubes come in round, square, and rectangular shapes. With a steadfast dedication to upholding superior quality, Z Fab hollow steel sections are an exceptional option for rigorous fabrication requirements.



JSW Steel Ltd.

JSW Steel is the flagship business of the diversified, US\$ 23 billion JSW Group. As one of India's leading business houses, JSW Group also has interests in energy, infrastructure, cement, paints, sports, and venture capital. JSW Steel, certified by Great Places To Work in 2021, has emerged as an organization with a strong cultural foundation. Over the last three decades, it has grown from a single manufacturing unit to become India's leading integrated steel company with a capacity of 28.5 MTPA in India and the USA (including capacities under joint control). Its next phase of growth will take its total capacity to 38.5 MTPA by FY25. JSW Steel has always been at the forefront of research and innovation. It has a strategic collaboration with global leader JFE Steel of Japan, enabling JSW to access new and state-of-the-art technologies to produce and offer high-value special steel products to its customers.

Product Profile

Size (NB)	1/2" to 8"
Thickness	0.60 mm to 8.00 mm
Capacity (MT per annum)	6,00,000 (0.6 million)
Length	3000 mm to 8000 mm
Grade	All national / international specifications including IS 1239 (part I), IS 1161, IS 3601, IS 4923, IS 3589, IS 9295, IS 9537 (part II), IS 4270, IS 3074 EN 10255, EN 10219 AS: 1074, ASTM A53, ASTM A795-04
Pipe Ends	Plain / Bevelled / Pre-grooved

Applications

Water pipe lines	Water Mains, Plumbing, Sewerage Systems industrial water lines, Plant piping (IS 1239 (part-1) 2004, IS 3589:2001, ASTM A53-12 JIS G 3452:2010, EN 10255: 2004, EN 10217-1:2002, AS 1074:1989, ASNZ 1163-2009)
Agriculture and Irrigation	Farming, Deep Tube-wells & Casing pipes As per IS 1239/3589, IS 4270-2001
Fire Fighting/HVAC Industries	(Heating Ventilation air conditioning) In MEP, PHE & other Industrial applications IS 1239 (part 1) 2004, IS 3589:2001 ASTM A53-12, ASTM A795-04
Construction {RHS/SHA/CHS}	Scaffolding & Structural purposes IS 1161: 2014, IS 4923:2017, EN 39:2001, EN 10219-PART 1& 2: 2006, AS/NZ 1163:2009 ASTM A500-13
Gas/Oil Pipe Lines	Pipe lines for natural gas, LPG, PNG And other non-toxic gases IS 1239 (Part 1): 2004, IS/ISO 3183:2007
Cement/Sugar/Paper Industries	Steel tubes for mechanical & general Engineering purposes. (IS 3601: 2006, BS 1775: 1964)
Automobiles	Motorcycles & Car IS 3074: 2013, IS3601:2006, EN10305: 2003
Bicycles	IS2039/1991, BS1717
Steel/Power Project	Ash handling systems LP piping (IS3589:2001, IS1239 (PART 1): 2004
General Engineering	Furniture, barricade, Commercial vehicle body, Supply of exhaust piping, Cold storage industry, LPG cylinder rings, (IS 1239 (PART1):2004 Steel tubes for idlers & belt conveyers (IS 9295:1983) Electrical poles & Telecom tower (IS 1161: 2014)

Storage And Application

DO'S	<ul style="list-style-type: none"> • Storing should be done in a covered shed to prevent rusting. • When exposed to moist conditions, proper waterproofing or wrapping must be done. • Proper protection measures should be taken when laying the pipe against corrosive soil. • Only qualified/ trained workmen / staff should be engaged while laying the pipe. • Only BIS approved fittings and sockets should be used on pipes.
DON'TS	<ul style="list-style-type: none"> • Direct contact with lime mortar/ soil should be avoided for corrosion. • Conveying acidic/ high alkaline water is not recommended. • Adequate protection must be ensured for underground piping.