



STEEL INDUSTRY ABBREVIATIONS GUIDE

PRODUCTS & TECHNICAL TERMS EXPLAINED

In the global steel industry, abbreviations are widely used in technical specifications, drawings, quotations, and international standards. This guide provides a comprehensive list of commonly used abbreviations for steel products and technical parameters, helping you communicate more efficiently and make informed decisions.

STEEL PRODUCT ABBREVIATIONS

Abbreviation	Full Name	Description	Abbreviation	Full Name	Description
SSAW	Spiral Submerged Arc Welded	Large-diameter steel pipe formed by spiral welding.	CLP	Clad Pipe	Composite pipe with corrosion-resistant inner layer.
LSAW	Longitudinal Submerged Arc Welded	High-strength longitudinal welded pipe used in oil & gas pipelines.	CRA Pipe	Corrosion Resistant Alloy Pipe	High-performance pipe for severe environments.
ERW	Electric Resistance Welded	Steel pipe produced by electric resistance welding.	Line Pipe	Line Pipe	Pipe used for long-distance oil and gas transportation.
HFW	High Frequency Welded	A type of ERW pipe welded using high-frequency current.	Boiler Tube	Boiler Tube	Tube used in boilers under high temperature and pressure.
DSAW	Double Submerged Arc Welded	Welding method used in both LSAW and SSAW pipes.	Casing	Casing Pipe	Pipe used to support oil well walls.
SMLS	Seamless Steel Pipe	Pipe without weld seam, suitable for high-pressure applications.	Tubing	Tubing Pipe	Pipe used for oil and gas extraction inside wells.
GI	Galvanized Iron	Standard galvanized steel pipe with zinc coating.	Drill Pipe	Drill Pipe	Pipe used in drilling operations.
HDG	Hot Dip Galvanized	Steel coated by hot-dip galvanizing for corrosion resistance.	Alloy Steel	Alloy Steel	Steel with added alloy elements for improved performance.
MS	Mild Steel	Low-carbon steel with good ductility and weldability.	Plate	Steel Plate	Flat steel product used in construction and manufacturing.
CS	Carbon Steel	Most commonly used steel type in industrial applications.	HR Plate	Hot Rolled Plate	Steel plate produced by hot rolling process.
SS	Stainless Steel	Corrosion-resistant steel containing chromium.	CR Plate	Cold Rolled Plate	Steel plate with high surface quality and precision.
DSS	Duplex Stainless Steel	High-strength stainless steel with excellent corrosion resistance.	Coil	Steel Coil	Steel supplied in rolled coil form.
HSS	Hollow Structural Section	Hollow steel sections used in construction.	HRC	Hot Rolled Coil	Hot rolled steel coil used in structural applications.
RHS	Rectangular Hollow Section	Rectangular-shaped structural steel tube.	CRC	Cold Rolled Coil	Cold rolled coil with better surface finish.
SHS	Square Hollow Section	Square-shaped structural steel tube.	GI Coil	Galvanized Coil	Zinc-coated steel coil for corrosion protection.
CHS	Circular Hollow Section	Round structural steel tube.	PPGI	Pre-painted Galvanized Iron	Color-coated galvanized steel for roofing and cladding.
API	American Petroleum Institute	Industry standard for oil & gas pipeline specifications.	GL	Galvalume Steel	Aluminum-zinc coated steel with high corrosion resistance.
PSL	Product Specification Level	Quality and requirement levels defined under API standards.	PPGL	Pre-painted Galvalume	Color-coated Galvalume steel sheet.
OCTG	Oil Country Tubular Goods	Steel pipes used in oil drilling and production.	Rebar	Reinforcing Bar	Steel bar used in reinforced concrete structures.
CRA	Corrosion Resistant Alloy	Alloy materials designed for highly corrosive environments.	Wire Rod	Wire Rod	Semi-finished product used for wire drawing.
Angle	Angle Steel	L-shaped structural steel section.	Channel	Channel Steel	U-shaped structural steel section.
Channel	Channel Steel	Load-bearing structural steel beam.	Roughed Strongh	Roughed Strongh	Cylindrical steel before machining.
Channel / I Beam	Channel / I Beam	Flat-shaped steel product.	Square Bar	Square Steel Bar	Square-shaped solid steel bar.

TECHNICAL & DIMENSION ABBREVIATIONS (OD / ID / WT, ETC.)

Abbreviation	Full Name	Description	Abbreviation	Full Name	Description	Abbreviation	Full Name	Description
OD	Outside Diameter	Pipe outer diameter.	L	Length	Standard or custom pipe length.	MTC	Mill Test Certificate	Material quality certificate.
ID	Inside Diameter	Pipe inner diameter.	Lg	Length (General)	General notation for length.	NDT	Non-Destructive Testing	Testing without damaging.
WT	Wall Thickness	Pipe wall thickness.	T	Thickness	General thickness (plate, sheet, etc.).	UT	Ultrasonic Testing	Detects internal defects.
NB	Nominal Bore	Standard nominal pipe size (Imperial).	W	Width	Width of plate or sheet.	RT	Radiographic Testing	X-ray inspection of welds.
DN	Diameter Nominal	Nominal diameter (Metric).	H	Height	Height dimension.	MT	Magnetic Testing	Surface crack detection.
SCH	Schedule	Pipe wall thickness series (e.g., SCH40, SCH80).	KG/M	Kilogram per Meter	Unit weight per meter.	PT	Penetrant Testing	Surface defect inspection.
STD	Standard Weight	Standard wall thickness.	T/M	Ton per Meter	Weight measurement for heavy sections.	PSL	Product Specification Level	API quality level (PSL1, PSL2).
XS	Extra Strong	Thicker than standard.	PCS	Pieces	Quantity unit.	YS	Yield Strength	Stress at start of deformation.
XXS	Double Extra Strong	Extremely thick pipe.				TS	Tensile Strength	Maximum stress before breaking.
						EL	Elongation	Material ductility.
						HR	Hot Rolled	Produced by hot rolling.
						CR	Cold Rolled	Processed at room temperature.
						NPS	Nominal Pipe Size	US standard pipe size.

WHY THESE ABBREVIATIONS MATTER



Global Communication
Standardized terms used worldwide.



Accurate Procurement
Clear specifications reduce errors and costs.



Quality Assurance
Linked to testing, standards, and certifications.



Efficient Projects
Faster delivery and better project outcomes.

