

### Cast Steel Rolls



PRODUCTS	HARDNESS (HS)	JOURNAL STRENGTH (MPa)	MAIN APPLICATION
Alloy Cast Steel Roll	35-55	>700	Roughing Roll for Section Mill and Plate Mill, VSB, Large-Sized Vertical Roll
Hot Working Die Steel Roll	50-75	>700	Roughing for Plate Mill, 2-HI Plate & Heavy Plate Mill, Break Down Roll for Section Mill
Casting Adamite Roll	35-60	>400	Roughing and Finishing Roll for Section Mill, Roughing and Vertical Roll for Hot Strip Mill
Graphitic Steel Roll	35-60	>400	Strip, Medium Heavy 2 High Roughing Mill, Vertical Roll; roughing intermediate and finishing roll in section mill
Duplex Cast Steel Back-Up Roll	50-75	>600	Back-Up Roll for Cold Strip Mill, Hot Strip Mill, Plate & Heavy Plate Mill, and Stockel Mill
HICr Steel Duplex Centrifugal Roll	70-85	>350	Hot Strip Roughing Mill
Semi-HSS Duplex Centrifugal Roll	70-85	>350	Hot Strip Roughing Mill
HSS Duplex Centrifugal Roll	75-90	>350	Hot Finishing Mill, Cold Strip Workroll, Sleeves for Universal Mill

### Forged Steel Rolls



PRODUCTS	HARDNESS (HS)	JORNAL STRENGTH (MPa)	MAIN APPLICATION
2-8% Cr Forged Steel Cold Roll	90-98	>900	Work Roll for Cold Strip Mill
	75-85	>900	Intermediate Roll for Cold strip mill
HSS, Semi-HSS Forged Steel Cold Roll	88-95	>900	Work Roll for Cold Strip Mill
	75-85	>900	Intermediate Roll for Cold Strip Mill
2-5% Cr Forged Steel Back-Up Roll	60-75	>850	Back-Up Roll for Hot and Cold Strip Mill
	35-50	>800	Break-Down Roll for Section Mill or Roughing Mill
Composite Sleeved Roll Compound Vertical Roll	35-50	>850	Horizontal Shaft, Compound Vertical Roll for Universal Structural Mill

### Forged Steel Rolls



PRODUCTS	HARDNESS (HS)	JORNAL STRENGTH (MPa)	MAIN APPLICATION
2-8% Cr Forged Steel Cold Roll	90-98	>900	Work Roll for Cold Strip Mill
	75-85	>900	Intermediate Roll for Cold strip mill
SS, Semi-HSS Forged Steel Cold Roll	88-95	>900	Work Roll for Cold Strip Mill
	75-85	>900	Intermediate Roll for Cold Strip Mill

2-5% Cr Forged Steel Back-Up Roll	60-75	>850	Back-Up Roll for Hot and Cold Strip Mill
	35-50	>800	Break-Down Roll for Section Mill or Roughing Mill
Composite Sleeved Roll Compound Vertical Roll	35-50	>850	Horizontal Shaft, Compound Vertical Roll for Universal Structural Mill