Hot Rolled Wear Abrasion Resistant Steel Plate NM400 NM450 NM500 NM550 NM600

GB Specification Wear Resistant Steel Mechanical Properties

Grade	C	Si	Mn	P	S	Cr	Mo	Ni	Bt
NM360	≤0.25	≤0.70	≤1.60	≤0.025	≤0.015	≤0.80	≤0.50	≤0.50	0.0005-0.006
NM400	≤0.30	≤0.70	≤1.60	≤0.025	≤0.010	≤1.00	≤0.50	≤0.70	0.0005-0.006
NM450	≤0.35	≤0.70	≤1.70	≤0.025	≤0.010	≤1.10	≤0.55	≤0.80	0.0005-0.006
NM500	≤0.38	≤0.70	≤1.70	≤0.020	≤0.010	≤1.20	≤0.65	≤1.00	0.0005-0.006
NM550	≤0.38	≤0.70	≤1.70	≤0.020	≤0.010	≤1.20	≤0.70	≤1.00	0.0005-0.006
NM600	≤0.45	≤0.70	≤1.90	≤0.020	≤0.010	≤1.50	≤0.80	≤1.00	0.0005-0.006

GB Specification Abrasion Resistant Steel Chemical Composition

Grade	Tensile Strength	Elongation	Impact test(-20°)	HBW
NM360	≥1100	≥12	≥24	330-390
NM400	≥1200	≥10	≥24	370-430
NM450	≥1250	≥7	≥24	420-480
NM500	/	/	/	≥470
NM550	/	/	/	≥530
NM600	/	/	/	≥570

AR400 VS AR450 VS AR500

The technical difference between AR400, AR450 and AR500 is the Brinell Hardness Number (BHN), which indicates the material's level of hardness:

AR400: 360-440 BHN Typically

AR450: 430-480 BHN Typically

AR500: 460-544 BHN Typically