

ABRASION RESISTANT STEEL PLATE

The specific AR steels fall into the following ranges.

TYPE	GRADE	BRINELL	RANGE
Carbon as rolled	AR235	235 Typical	(not tested) - has an approximate brinell hardness of 235
Alloy (Q+T)	AR321	321 min	321-363
Alloy (Q+T)	AR360	360 min	360-444
Alloy (Q+T)	AR400	360 min	360-444
Alloy (Q+T)	AR500	477 min	477-534
Alloy (Q+T)	400 Formable	360 min	360-444
Alloy (Q+T)	500 Formable	477 min	477-534

The 400 formable and 500 formable combine the benefits of a low sulfur, low carbon equivalent chemistry to improve both welding and cold forming characteristics beyond traditional abrasion resistant steels. Also, unlike traditional AR steels, the 400 formable steel has a through-thickness hardness.