MATERIAL	YEILD STRENGTH (PSI)	TENSILE STRENGTH (PSI)	BRINELL	ATTRIBUTES
A36	36,000	58,000 TO 80,000	118-167	Can be flame cut, formed, drilled, welded and machined by all normal means.
44W	44,000	58,000 TO 80,000	134-178	Can be flame cut, formed, drilled, welded and machined by all normal means.
AR200		100,000	185 - 235	Intended for moderate wear applications & is not intended for structural applications.
AR400	145,000	181,000 TO 211,000	370-430	Heat Treated; Wear resistant, high toughness, good bendability and weldability.
HARDOX 450 & AR450	175,000	208,000 TO 233,000	425-475	Heat Treated; Bendable and weldable abrasion resistant plate which is used in applications that demand higher wear resistance.

Yield Strength: The amount of stress a piece of steel must undergo in order to permanently and measurably deform.
Tensile Strength: The amount of tensile (stretching) stress a material can withstand before breaking or failing.
Brinell Hardness: A scale to determine harness. The higher the number the harder the material.