



NitroSteel®

Property Comparison

(for informational purposes only)

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Properties	Unit	NitroSteel®			Chrome Plated Only	Induction Hardened Chrome Plated
		Standard 10v45	Nitro-100 40v45	Nitro-Gold 4140 Q&T		
Salt Spray (ASTM B-117)	Hours	150 min			48	48
Oxide Layer	Micro Inches	39			N/A	N/A
Layer Thickness (per side)	Inches	0.0005" - 0.001"			0.0005"	0.001"
Layer Hardness	HRC	64 - 71			64 - 71	67 - 72
Yield Strength	PSI	75k min	100k min	100k min	75K min	75K min
Surface Finish	PA Micro Inches	16 max	16 max	16 max	16 max	16 max
Tolerances	Inches	0.001" - 0.003"			0.0015" - 0.003"	0.0015" - 0.003"

Round bars < 1 1/8" dia available in 12-foot length. >1 1/8" up to 4" dia available in 24-foot length.

All NitroSteel® material can be polished to high surface finish < 12 RA (Nitrobrite®) or < 9 RA (Ultrabrite®) upon request.