



S-PHASE NITRIDING

Case Depth & Hardness Range

Material Type	Case Depth	Surface Hardness
303 Stainless Steel	10-20 Microns	1170 - 1240HV
304 Stainless Steel	20 - 30 Microns	1277 - 1444HV
305 Stainless Steel	10 - 20 Microns	1277 - 1444HV
316 Stainless Steel	10 - 50 Microns	1170 - 1316HV
321 Stainless Steel	20 – 30 Microns	1204 - 1491HV
410 Stainless Steel	15-20 Microns	1316 - 1400HV
416 Stainless Steel	10 – 15 Microns	1106 - 1277HV
420 Stainless Steel	15-20 Microns	1170 - 1277HV
431 Stainless Steel	18 – 20 Microns	1170 – 1491HV
17-4 PH	15-20 Microns	1277 – 1400HV
15-5 PH	10-20 Microns	1277 – 1400HV
718 Inconel	10-50 Microns	1170 – 1240HV

PREFERRED SURFACE ENGINEERING
SURFACE ENHANCEMENT TECHNOLOGY

ISO/TS16949 AND AS9100C ACCREDITED

AMS 2759/8 & AMS 2759/10

Markets Include:

- ✓ Automotive
- ✓ Oil & Gas
- ✓ Medical
- ✓ Pharmaceutical
- ✓ Food/Beverage

Applications Include:

- ✓ Stampings
- ✓ Valve components
- ✓ Medical Devices
- ✓ Seals
- ✓ Pump Components