



## ASTM A320 L7

### INTERNATIONAL EQUIVALENT CODES

Europe
EN
42CrMo4

Italy
UNI

Germany	
DIN	W.n.
	1.7225

UK
B.S.

USA	
ASTM	UNS
A193 L7	G41400

### CHEMICAL REQUIREMENTS (Composition , percent)

C	Mn	Max Phosph	Max Sulfur	Si	Cr	Nickel	Mo	Copper	Niobium	Titanium	Vanadium	Max Al	Max Cobalt	Max Iron
0.38-0.48	0.75-1.00	0.035	0.040	0.15-0.35	0.80-1.10	--	0.15-0.25	--	--	--	--	--	--	--

### MECHANICAL REQUIREMENTS

Diameter,in.	MinTempering Temperature ,°F	Tens.strength, min, ksi	Yield Strength, min, 0,2%offset ksi	Elongation 4D, min	Reduction of Area,min,%	Hardness max
2.1/2" and under	1100	125	105	16	50	321HBW or 35 HRC

Diameter,in.	MinTempering Temperature ,°C	Tens.strength, min, Mpa	Yield Strength, min, 0,2%offset Mpa	Elongation 4D, min	Reduction of Area,min,%	Hardness max
M64 and under	593	860	725	16	50	321HBW or 35 HRC

