







## Introducing Hastelloy\* B-3

Alloy B-3 is a nickel-molybdenum alloy which offers excellent resistance to hydrochloric and sulfuric acids at all concentrations and temperatures. Its chemical composition has been designed to offer a superior level of thermal stability in comparison to alloy B-2.

\*Trade name of Haynes International



Grade Names	
Grade	Alloy B-3
Werkst.	2.4600
UNS	N10675
AWS	051

Applicable Standards	
ASTM	B619
ASTM	B335

### Chemical Analysis

Note: Ni+Mo = Min 94, Max 98%

	C	Mn	Si	P	S	Cr	Co	Mo	Fe	Al	Ti	Ni	Nb/Cb	Ta	Cu	W	V	Zr
Min %	-	-	-	-	-	1.00	-	27	1.00	-	-	-	-	-	-			
Max %	0.01	3.00	0.10	0.03	0.01	3.00	3.00	32	3.00	0.50	0.20	65	0.20	0.20	0.20	3.00	0.20	0.10

### Tensile Strengths

Condition	Tensile
Annealed	1000 – 1200N/mm <sup>2</sup>
Spring Temper	1600 – 2000 N/mm <sup>2</sup>

### Available in

Round Wire	0.08 mm (0.00315") to 12.00 mm (0.472" dia.)
Profile Wire	Up to 45 mm <sup>2</sup> area in any shape

### Packaging

Spools	To customers requirements
Coils	0.50 kg coils through to 100+
Cut Lengths	10 mm to 10 metres

## Typical Applications

- + Pressure Vessels
- + Chemical Processing
- + Wire Formed Parts

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Unit 3, Oxspring Wiremills,  
Oxspring, Sheffield S36 8YW  
T: +44 (0)1226 763081  
F: +44 (0)1226 767164  
E: sales@wintwire.co.uk

[www.wintwire.co.uk](http://www.wintwire.co.uk)