



## Inconel 625 Round Bar & Rods Exporters

Technolloy Inc. is a popular name in giving and collecting of Inconel 625 Round Bars/Rods to its clients. It merits deference in this class for quite a while. We have been fundamental for this industry for quite a while serving our clients with our unmatched quality things. We work in these bars in all sizes and conclusions.

These bars contain a high proportion of Nickel and Chromium. These in like manner contain various parts anyway in little degrees. These bars are used for applications that need high-temperature resistance. Furthermore, these are also fitting for application wherein high assurance from utilization is required. These bars are known for showing a raised level of insurance from an extensive variety of disintegration.

These bars are comprehensively used on the off chance that there ought to be an event of raised temperatures. Its high nickel content and mix with its chromium gives a couple of benefits. These are known to show off appalling resistance when these interface solid areas for with game plans like hot and concentrated nitric destructive. The presence of high chromium content forms its oxidation deterrent stunningly. This is extended to a level over that of pure nickel. To go with that critical proportion of Nickel gives amazing utilization obstacle under decreasing circumstances. These are proper to be both hot formed and cold-outlined. This is achieved by overall around matched processes.



The blend of its mechanical strength and compound harmony makes it sensible for a wide grouping of present day applications. These are used in unsaturated fat vessels, in radiator parts and food and compound taking care of. With that nuclear planning see a lot of direction of these bars. These are not sensible for a raised level of warming applications inside seeing sulfur. This is an immediate consequence of the lot of Nickel in these. This scope of bars is

created for offering kinds of help during raised temperatures and these do it successfully. This makes it sensible for huge level planning applications.

Beside these Ethylene dichloride wafers, Furnace plate, silencers, holders make the most of these bars. These are too used in Gasoline stabilizer creation. Phenol condensers, Soap produce, Titanium dioxide moreover exploit these bars. The limit of these bars to find usage in such endless applications makes it a sought-after thing keeping watch.

#### [625 Inconel Round Bar](#) Equivalent Grades

STANDARD	UNS	WERKSTOFF NR.	AFNOR	GOST	OR	BS	JIS	EN
<b>Inconel 600</b>	N06600	2.4816	NC15FE11M	МНЖМц 28-2,5-1,5	ЭИ868	NA 13	NCF 600	NiCr15Fe
<b>Inconel 601</b>	N06601	2.4851	NC23FeA	XH60BT	ЭИ868	NA 49	NCF 601	NiCr23Fe
<b>Inconel 625</b>	N06625	2.4856	NC22DNB4M	XH75МБТЮ	ЭИ602	NA 21	NCF 625	NiCr22Mo9Nb
<b>Inconel 718</b>	N07718	2.4668	-	-	-	-	NCF 718	-

#### Specification of Inconel 600/601/625/718 Round Bar

**Inconel Round Bar Specification :** ASTM B166, ASME SB166

**Dimension Standard :** EN, DIN, JIS, ASTM, BS, ASME, AISI

**Size :** 14mm-300mm

**Thickness :** 50 mm to 6000 mm Long

**Length :** 1 To 6 Meters, Custom Cut Length

**Form :** Round, Square, Hex(A/F), Rectangle, Billet, Ingot, Forging Etc.

#### Chemical Composition of Inconel 600/601/625/718 Round Bar

Grade	Ni	Fe	C	Mn	Si	Cu	Cr	S	Mo	Co	Al	Ti	Nb
600	72.0 min	6.0 - 10.0	0.15 max	1.0 max	0.5 max	0.5 max	14.0 - 17.0	0.015 max	-	-	-	-	-
601	58.0 – 63.0	Balance	0.10 max	1.0 max	0.50 max	1.0 max	21.0 – 25.0	0.015 max	8.0- 10.0	-	1.0 – 1.7	-	-
625	58.0 max	5.0 max	.10 max	.50 max	.50 max	-	20.0 - 23.0	.015 max	8.0 - 10.0	1.0 max	.40 max	.40 max	3.15 - 4.15
718	50 - 55	-	0.08 max	0.35 max	0.35 max	0.3 max	17 - 21	.015 max	2.8 - 3.3	1.0 max	-	-	-

#### Mechanical Properties Of Inconel 600/601/625/718 Round Bar

**Grade Tensile (psi) .2% Yield (psi) Elongation (%)**

600	95,000	45,000	40
601	80,000	30,000	35

#### Mechanical Properties of Inconel 625

**Temp° F Tensile (psi) .2% Yield (psi) Elongation in 2 “ (%)**

70	144,000	84,000	44
400	134,000	66,000	45
600	132,000	63,000	42.5

800	131,500	61,000	45
1000	130,000	60,500	48
1200	119,000	60,000	34
1400	78,000	58,500	59
1600	40,000	39,000	117

#### Mechanical Properties of Inconel 625/718

<b>Grade</b>	<b>Tensile Strength</b>	<b>Yield Strength (0.2%Offset)</b>	<b>Elongation</b>
625	Psi – 135,000 , MPa – 930	Psi – 75,000 , MPa – 517	42.5 %
718	Psi – 135,000 , MPa – 930	Psi – 70,000 , MPa – 482	45 %

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