

7075 ALUMINIUM – ZINC EXTRUDED ROUND BAR

DESCRIPTION:

7075 offers high strength, tight micro-structural control, adequate machinability and improved stress corrosion control. Indexing off of tight bow and concavity mill tolerances is a plus with Alloy 7075. Fine grain control results in excellent deep drilling, good tool wear and differentiated thread rolling.

APPLICATIONS:

Used for highly stressed structural parts, gears and shafts, fuse parts, aerospace and defence applications. Can be hard anodized to increase its wear and corrosive resistance.

MECHANICAL SPECIFICATIONS:

Temper	Thickness mm	Yield Stress (Ksi) min	Ultimate tensile Stress (Ksi) min	Elongation A ₅ , %, min.	Typical Brinell Hardness
ROUND T6	ALL	77	66	7	150

T6 – Solution heat treated and cooled from an elevated temperature shaping process and **artificially** aged to a substantially stable condition – applies to products that are not cold worked after solution heat treatment.

ROUND T6(511) - Stress relieved temper by stretching material after heat treatment solution and cooling – 1% to 3% permanent set

SIZE RANGE MM AVAILABLE:

Rounds T6 (mm):

19.02/38.1/44.45/50.8/63.5/76.2/88.9/114.3/127/139.7/152.4/165.1/177.8/200/203.5/225/250/270/310

COLOUR CODE: BLACK

