

Color code orange



PRODUCTION PROGRAM

Unit: in				
Drawn	0.236 - 3	0.394 - 2.559	Thick. 0.472 - 2.165	0.394 - 2.5
Extruded	1.181 - 10	2 - 6.5	Thick. 1.181 - 5	-



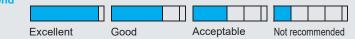
PRESENTATION

This alloy has good machinability and high mechanical characteristics. Moreover, it has good resistance to corrosion and suitability to hard, protective and decorative anodizing.

Main applications: structural components for civil constructions, railroad and street heavy vehicles.

Samples of finished products made of Eural bars

Properties	Т6		T8/T9		
Machinability					
Protective anodizing					
Decorative anodizing					
Hard anodizing					
Resistance to atmospheric corrosion					
Resistance to marine corrosion					
MIG-TIG weldability					
At resistance weldability					
Brazing weldability					
Plastic formability when cold					
Plastic formability when hot					





Legend



Chemical composition			
Si	0.40 - 0.80		
Fe	≤ 0.70		
Cu	0.15 - 0.40		
Mn	≤ 0.15		
Mg	0.80 - 1.20		
Cr	0.04 - 0.14		
Ni			
Zn	≤ 0.25		
Ti	≤ 0.15		
Pb	0.40 - 0.70		
Bi	0.40 - 0.70		
Others	Each 0.05 Total 0.15		
Al	Remainder		

- 0.0983
10,008
- 13.0
- 98.8
90.0
- 0.038
0.036

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	Mir	nimum mech	anical prop	erties		
			UTS	YTS		HBW
	Temper	Diam	n. in ksi	ksi	A%	Typical
Drawn	Т6	≤ 3	42.1	34.8	10	85
	Т8	≤ 2	50.0	45.7	4	-
	Т9	≤2	52.2	47.9	4	-
ded	Т6	≤ 8	37.7	34.8	10	75
Extruded						