

Products

Aluminium Bright Tread Plates

ELVAL offers Aluminium Bright Finish Tread Plates in coils or sheets in 3003-H22/24 and 5052-H32 alloys, with Diamond or Quintet (5-Bar) pattern.

ELVAL Bright Tread Plates have obtained quality and service recognition over a long period of time. ELVAL provides mirror-bright material with superior finish and outstanding mechanical and bending properties. Bright Tread Plates are produced in a wide range of plate dimensions and tolerances and can be used in a great spectrum of applications including:

Tool boxes for pick up trucks

Fire Enging

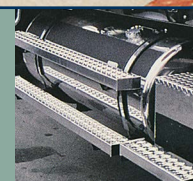
Special floors for buildings

Decorative applications



Quality Certification

According to AA / ASTM and EN standards.



Production Range

Dimension Range

	inches	mm
Gauge	0.056 - 0.250	1.42 - 6.35
Width	60 max.	1,524 max.

Height of pattern

	inches	mm
Max.	0.472	1.20
Min.	0.030 ^①	0.76

Coil Geometry

Inside Diameter 500 mm

Outside Diameter 1,800 mm max.^②

Packing

Coils: On wooden skids, well secured against transit damage.

Sheets: In wooden pallets, well secured against transit damage.

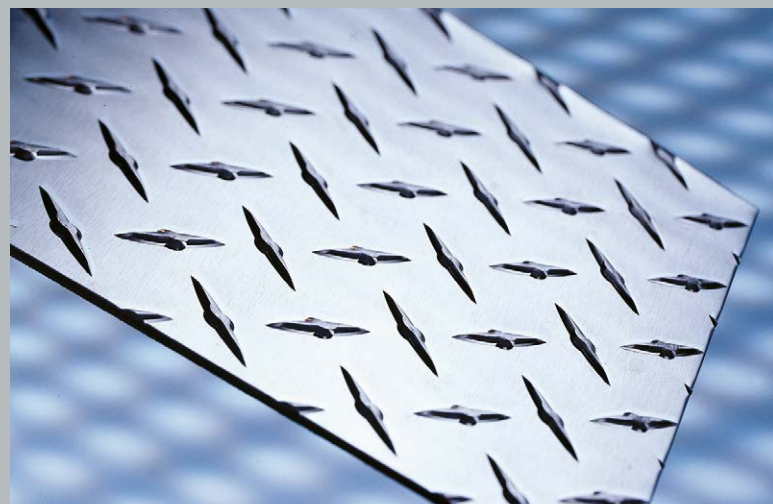


Chemical Composition (wt%)

Alloy	Si	Fe	Mn	Mg	Cu	Cr	Ti	Zn	Others	Al
3003	min.	-	-	1.00	-	0.05	-	-	-	Remainder
	max.	0.60	0.70	1.50	-	0.20	-	0.10	0.05	
5052	min.	-	-	-	2.20	-	0.15	-	-	Remainder
	max.	0.25	0.40	0.10	2.80	0.10	0.35	-	0.10	0.05

Mechanical Properties

	3003 H22/24		5052 H32	
	Ksi	N/mm ²	Ksi	N/mm ²
Tensile Strength (min.)	19.0	131.0	31.9	220.0
Yield Strength (min.)	13.0	89.6	23.2	160.0
Elongation (min. %)	7.0		5.5	
Cold Bending 90° inside min. radius	1.0 x thickness ^③		2.5 x thickness	



① For 3003 Tread Plates with gauge over 0.070", minimum height of pattern is 0.040" (1.016 mm)

② Typically 1,500 - 1,600 mm

③ For gauges within the range of 0,081" - 0,125" and 0,126" - 0,250", the cold bending 90° inside min. radius is 1,25 at 2 times the thickness respectively.



ALUMINIUM ROLLING DIVISION of:



61st km Athens - Lamia National Road,
GR-320 11 Oinofyta, Viotia, GREECE
www.elval.com, e-mail: info@elval.com
Tel.: +30 22620 53111, Fax: +30 22620 53686

METAL AGENCIES LTD

Cobb House, 2-4 Oyster Lane, Byfleet, Surrey KT14 7DU, UNITED KINGDOM
Tel.: (+44) 1932 331 111, Fax: (+44) 1932 331 190, sales@metalagencies.com, www.metalagencies.com

GENECOS S.A.

1, rue François Jacob, 92500 Rueil Malmaison, FRANCE
Tel.: (+33) 1 45 270 754, Fax: (+33) 1 45 270 708, alu@genecos.vionet.gr

TEPRO METALL AG

1) Ursulastrasse 33-41, 50354 Hürth, GERMANY, Tel.: (+49) 2233 3962 11, Fax: (+49) 2233 3962 49
2) Kreuzstrasse 20, 40210 Düsseldorf, GERMANY, Tel.: (+49) 2111 79281 12, Fax: (+49) 2111 79281 30
info@teprometal.vionet.gr, www.tepro-metall.com

BASE METAL TICARET VE SANAYI A.S.

Barbaros Mah. Ihlamur Sok. My Prestige No: 1 D: 46 34746, Ataşehir/İstanbul, TURKEY
Tel.: (+90) 216 688 7640, Fax: (+90) 216 688 7618, info@base-metal.com.tr, www.base-metal.com.tr

ALURAME S.P.A.

Via Antonio Stradivari 10, 20131 Milano, ITALY
Tel.: (+39) 02 971781, Fax: (+39) 02 97178115, info@alurame.vionet.gr

STEELMET ROMANIA S.A.

42, Drumul intre Tarlale, 3rd sector, 032982 Bucharest, ROMANIA
Tel.: (+40) 21 209 05 70, Fax: (+40) 21 256 14 64, office@steelmet.ro

ETEM BULGARIA S.A.

119A Ilienci Blvd., P.O. Box 115, 1220 Sofia, BULGARIA
Tel.: (+359) 2 921 91 11, Fax: (+359) 2 931 12 39, info@etem.com, www.etem.com

ETEM SERBIA

Bulevar Arsenija Carnojevic 52a II/4, 11070 Novi Beograd, SERBIA
Tel.: (+381) 22 32 80 1920, Fax: (+381) 22 32 80 1920, info@etem.com, www.etem.com

SIDERAL SH.P.K.

24th km Autostrada Tirana – Durres, Sukth, ALBANIA
Tel.: (+355) 68 7574 111, Fax: (+355) 68 7574 510, info.sidebalk.al@vihalco.com, www.sideral.al