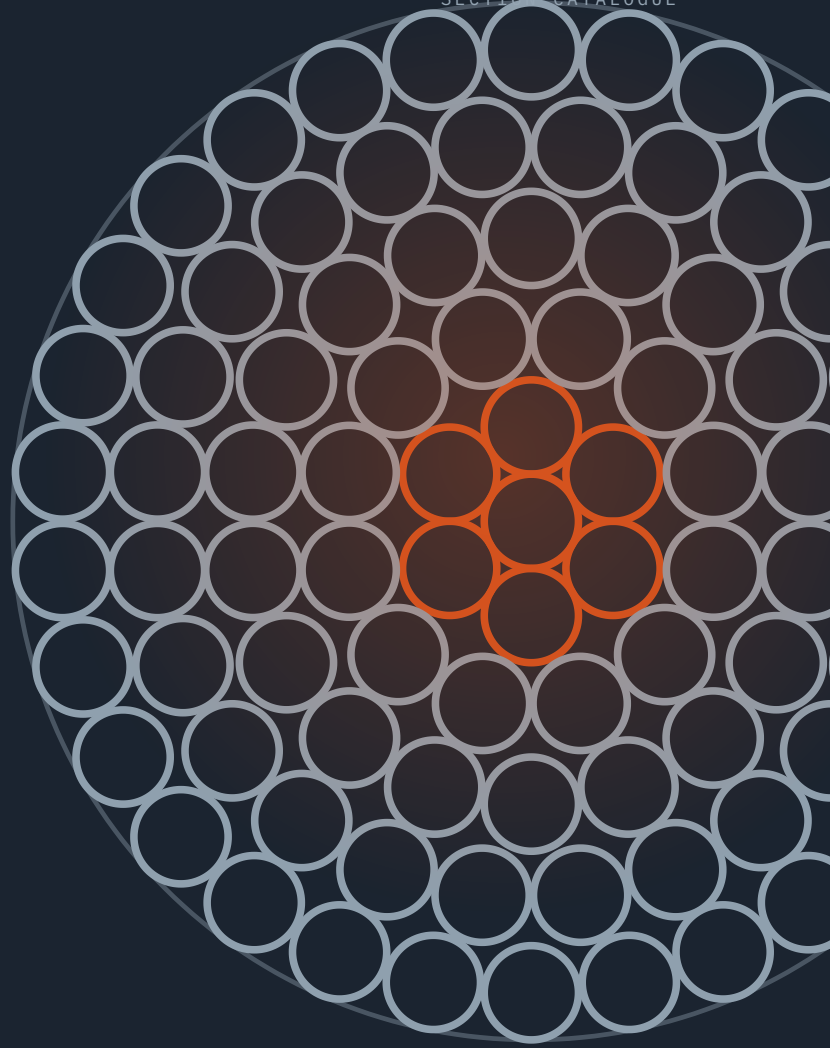




AKZ

ALUMINIUM KOOHRANG ZAGROS

SECTION CATALOGUE



01

Aluminium & alloy rod

مفتول آلومینیوم و آلیاژی

ASTM B233

EN 573-3

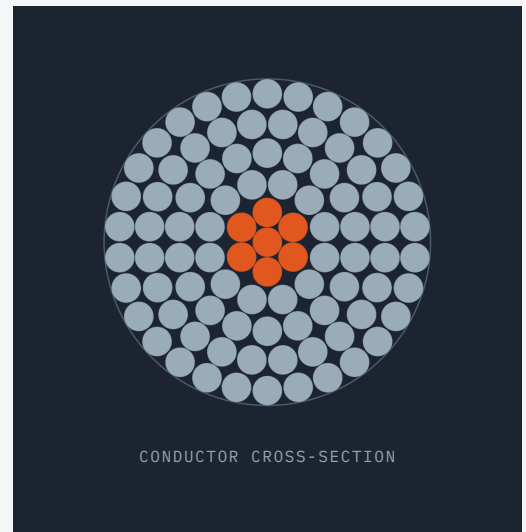
IEC 60889

OVERVIEW

Continuously cast, precisely alloyed.

Pure-aluminium (1350) and aluminium-alloy rod produced by continuous casting and rolling, then drawn to the relevant ASTM / EN designation. Used as drawing stock for bare conductors and welding wire.

The range covers electrical-conductor grade 1350 and the heat-treatable 6101 / 6201 conductor alloys.



APPLICATIONS

Overhead line
conductors

Wire & cable drawing
stock

MIG / TIG welding wire

Alloy & specialty
products

STANDARDS

ASTM B233

EN 573-3

IEC 60889

1.1 · Aluminium 1350 (electrical grade)

ASTM B233 · weight-percent maxima, balance aluminium.

CHEMICAL COMPOSITION (%)

Grade	Si	Fe	Cu	Mn	Zn	Cr	B	V+Ti	Al
1350	0.10	0.40	0.05	0.01	0.05	0.01	0.05	0.02	99.5 min

MECHANICAL & ELECTRICAL PROPERTIES

Grade	Temper	Tensile MPa	Yield MPa	Elong. %	Cond. %IACS
1350	O	83	28	23	61.8
	H12	97	83	—	61.0
	H14	110	97	—	61.0
	H19	186	165	1.5	61.0

1.2 · Aluminium alloy 6101 / 6201

EN 573-3 · heat-treatable conductor alloys.

CHEMICAL COMPOSITION (%)

Grade	Si	Fe	Cu	Mn	Mg	Cr	Zn	B	Al
6101	0.30-0.70	0.50	0.10	0.03	0.35-0.80	0.03	0.10	0.06	Rem.
6201	0.50-0.90	0.50	0.10	0.03	0.60-0.90	0.03	0.10	0.06	Rem.

MECHANICAL & ELECTRICAL PROPERTIES

Grade	Temper	Tensile MPa	Yield MPa	Elong. %	Cond. %IACS
6101	T6	221	193	15	53
6201	T81	331	310	3	54

EXPLORE THE FULL RANGE

02 **Aluminium welding wire** سیم جوش آلومینیوم

04 **AAAC** هادی تمام آلومینیومی آلیاژی

06 **ACSR-AW** هادی با مغز فولادی روکش آلومینیوم

08 **Messenger** (مسنجر) هادی مهار آلیاژی

03 **AAC** هادی تمام آلومینیوم

05 **ACSR** هادی آلومینیوم با مغز فولادی

07 **OPGW** سیم محافظ نوری

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ISO 9001

TAVANIR