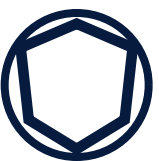




PROCESSED ELECTROLYTIC COPPER BUSBAR

TECHNICAL CATALOG



HIGH
SAFETY



HIGH
CONDUCTIVITY



SUPERIOR
QUALITY



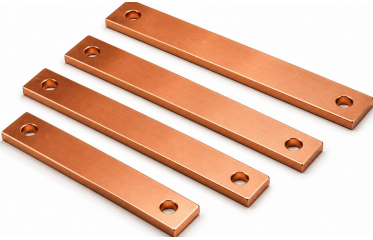
LONG SERVICE
LIFE

ABOUT US

BIBA Elektrik ve Metal Sanayi Ticaret Ltd. Şti. manufactures copper busbars for electrical conductivity systems at high quality standards. With modern production infrastructure, experienced staff and a quality-focused approach, we provide reliable solutions.



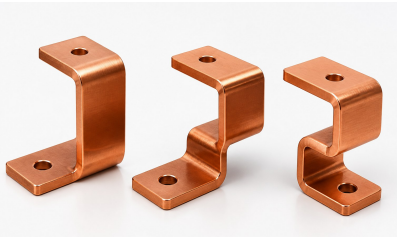
PRODUCT TYPES



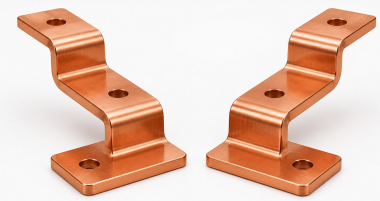
FLAT BUSBAR



L BUSBAR



Z BUSBAR



S BUSBAR

TECHNICAL SPECIFICATIONS

- **Material**
: Electrolytic Copper (Cu-ETP)
- **Purity**
: >= 99.9%
- **Conductivity**
: >= 58 MS/m (IACS >= 100%)
- **Standards**
: IEC 61439-1/2, IEC 60865-1
- **Operating Temperature**
: 65 °C (reference)
- **Mounting Type**
: Open air, horizontal placement

NOTES

- Values are approximate continuous current carrying capacities.
- In enclosed panels or weak ventilation conditions, values should be reduced by 10-30%.
- Holes, cutting and bending applications may affect carrying capacity.

OUR VISION

To add value to the future with sustainable energy and technologies, and to become a leading reference brand in our sector.



OUR MISSION

To create value for our partners by delivering maximum safety, efficiency and continuity in energy transmission solutions with high quality products and a customer-focused approach.



OUR VALUES

- Quality and Trust
- Customer Satisfaction
- Integrity and Transparency
- Continuous Improvement
- Innovation
- Environmental Awareness



E-Cu F20

Soft - Tensile Strength $\geq 200 \text{ N/mm}^2$
Conductivity $\geq 57 \text{ MS/m}$ - Hardness 50-60 HB

CONTINUOUS CURRENT (A) - AC 50/60 Hz

THICKNESS (mm) - SINGLE BUSBAR				
WIDTH (mm)	5	10	15	20
20	129	251	358	514
30	196	380	541	774
40	265	515	732	1048
60	337	668	1103	1552
80	430	1100	1560	2220
100	480	1230	1750	2492
120	560	1430	2000	2858
150	680	1730	2450	3508
200	880	2230	3160	4520

E-Cu F25

Half Hard - Tensile Strength ≥ 250 N/mm²
Conductivity ≥ 56 MS/m - Hardness 80-95 HB

CONTINUOUS CURRENT (A) - AC 50/60 Hz

THICKNESS (mm) - SINGLE BUSBAR				
WIDTH (mm)	5	10	15	20
20	152	262	372	560
30	229	445	632	902
40	265	537	763	1090
60	346	696	1138	1630
80	446	1250	1770	2520
100	493	1510	2140	3056
120	576	1810	2570	3670
150	700	2210	3140	4496
200	1020	2220	4790	6866

E-Cu F30

Hard - Tensile Strength $\geq 300 \text{ N/mm}^2$
Conductivity $\geq 56 \text{ MS/m}$ - Hardness 100-115 HB

CONTINUOUS CURRENT (A) - AC 50/60 Hz

THICKNESS (mm) - SINGLE BUSBAR				
WIDTH (mm)	5	10	15	20
20	176	262	417	590
30	261	426	604	863
40	333	572	838	1196
50	386	638	903	1292
60	398	738	1090	1552
80	492	1390	1962	2792
120	654	2050	2900	4144
150	784	2500	3530	5040
200	1020	2220	4790	6866

E-Cu F37

Very Hard - Tensile Strength ≥ 360 N/mm²
Conductivity ≥ 55 MS/m - Hardness 120-135 HB

CONTINUOUS CURRENT (A) - AC 50/60 Hz

THICKNESS (mm) - SINGLE BUSBAR				
WIDTH (mm)	5	10	15	20
20	201	336	476	670
30	298	486	689	981
40	333	572	838	1196
50	388	638	903	1292
60	398	738	1090	1552
80	492	1390	1962	2792
100	551	1680	2370	3380
120	644	2050	2900	4144
150	784	2620	3890	5560
200	1220	3250	4450	6360

APPLICATION AREAS



TRANSFORMER
CENTERS



PANEL SYSTEMS



TRANSPORT SYSTEMS



FACTORIES



SHIPBUILDING



WIND ENERGY



SOLAR ENERGY



ENERGY
TRANSMISSION

SPECIAL PROCESSES



CUTTING



CNC MACHINING



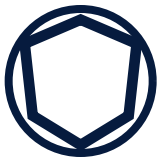
HOLE DRILLING



SLOT DRILLING



BENDING



TIN PLATING



SILVER PLATING



LASER MARKING

SOLUTIONS THAT POWER ENERGY



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