

# AEROSPACE MATERIALS



**SCOPE**  
*anything, anytime.*

# ONE-STOP SHOP FOR AEROSPACE MATERIALS

Scope Metals Group is a leading distributor and supplier of finished and semi-finished metals products and engineered plastics products to industrial manufacturers.

With an extensive inventory of over 60,000 off-the-shelf items, Scope operates as a one-stop shop on a "just-in-time", 24-hour delivery basis to domestic customers.

Scope supplies aluminum, stainless steel, steel, brass, copper, bronze, titanium, nickel alloys, and engineered plastics products.



In addition to exporting from the Eastern Mediterranean, Scope Metals Group operates distribution centers in Eastern & Central Europe, China and on the East Coast of the United States.

Scope enjoys a first class reputation as a distributor and supplier of metals and related services to the aerospace market. This reputation is the result of superior quality programs tailored to the requirements of aircraft manufacturers, together with high precision cutting, processing and packing, and "just-in-time" supply management.



Customers benefit from an extensive inventory of the highest standards from leading aluminum manufacturers. Our long-term commitment with producers ensures availability of stock, reliability, continuity and quality.

This commitment led to Scope's selection as a major distributor for Israel Aerospace Industries (IAI), and earned the company 1E status as an IAI preferred supplier, delivering directly to the IAI production line.

Our quality control department includes its own metallurgical laboratory, which features the latest metals testing equipment, ensuring that the quality and specifications of the materials we supply match our clients' needs.



**Scope's position as a leading distributor is supported by state-of-the-art automatic and computerized warehouses and processing equipment:**

- Advanced cut-to-length and blanking lines
- Slitting line
- 10 fully automatic "Schelling" disc saws (plates up to 250 mm /10" thickness by 4.0 meters /157" in length)
- Polishing and PVC coating line
- Band saws (1000 mm DIA)
- Band saws for plates up to 800 mm thickness, size 2000 mm x 6000 mm

## FASTENERS

PRODUCTS			MATERIALS	STANDARDS		QUALITY
Anchor Nuts	Fitting	O - Ring / Packing	Alloy Steel	AN	AS	ISO 9001:2000
Barrel nuts	Grommets	Pins	Aluminum	MS	ASNA	AS/EN 9120
Bearing	Hi-Lok and collars	Pulleys	Carbon steel	NAS	DAN	NADCAP LEVEL C
Blind bolts	Inserts	Screws	Inconel	Boeing (BAC)	NSA	BAE CERTIFICATE
Blind rivets	Lock bolts	Solid rivets	Monel	Lockheed (LS)		FAA AC-00-56
Bolts	Nuts	Threaded inserts	Stainless Steel	McDonnell Douglas		MIL-I-45208
Bushing	Nut self locking	Washers	Titanium (6AL4V)	Airbus		Department of Defence
Clamps				ABS		

# ALUMINUM

ALLOY	PRODUCT	SPECIFICATIONS	SIZE (THICKNESS / DIAMETER)	SIZE (DIMENSIONS = WIDTH AND/OR LENGTH)
2024 T3 & T0 BARE & ALCLAD	SHEETS COILS 	AMS-QQ-A-250/4 AMS-QQ-A-250/5 AMS 4040/4041/4036 MRS Quality	0.016" - 0.25"	48" x 144" or cut to your required lengths, also with blanking
2024 T351 BARE	PLATES 	AMS-QQ-A-250/4	5/16" - 6" incl. USI	48.5" x 144.5" / 60" x 157.5" or cut to your required sizes
2024 T351/T3 T3511/T4	FLAT BARS 	AMS-QQ-A-225/6 AMS-QQ-A-225/3	1/2" - 3"	12 feet or cut to your required lengths
2024 T351 / T4	ROUND BARS COLD FINISH 	AMS-QQ-A-225/6	1" - 6" DIA	12 feet or cut to your required lengths
2024 T3511 / T3	ROUND BARS EXTRUDED 	AMS-QQ-A-200/3	1/2" - 11" DIA	12 feet or cut to your required lengths
2024 T3511 / O	VARIETY OF EXTRUDED SHAPES 	TMS / AND / BAC	Per your request	12 feet or cut to your required lengths
2024	TUBES 	AMS-WW-T-700/3	OD 1/4" - 3.2"	12 feet or cut to your required lengths
2124 T851	PLATES 	AMS-QQ-A-250/29 FMS 3002	1" - 6"	48.5" x 144.5" / 60" x 157.5" or cut to your required sizes
6061 T6/T4/T0	SHEETS COILS 	AMS-QQ-A250/11	0.016" - 0.20"	48" x 144" or cut to your required lengths, also with blanking
6061 T651/652	PLATES 	AMS-QQ-A-250/11	1/4" - 18"	large variety of sizes, also cut to your required sizes
6061 T651 / T6	ROUND BARS COLD FINISH 	AMS-QQ-A-225/8	1/2" - 8" DIA	12 feet or cut to your required lengths
6061 T6511	ROUND BARS EXTRUDED 	AMS-QQ-A-200/8	5 mm - 500 mm DIA	12 feet or cut to your required lengths

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6061 T6511	SQUARE BARS EXTRUDED 	AMS-QQ-A-200/8	5/16" - 10"	12 feet or cut to your required lengths
	HEXAGON BARS EXTRUDED 	AMS-QQ-A-200/8	1/4" – 1.1/4"	12 feet or cut to your required lengths
	FLAT BARS EXTRUDED 	AMS-QQ-A-200/8	3 mm – 4"	12 feet or cut to your required lengths
	HOLLOW BARS EXTRUDED 	AMS-QQ-A-200/8	OD 1" – 12"	12 feet or cut to your required lengths
7050 T7451	PLATES 	AMS-4050 MMS 1420/ BMS 7-323	1/4" - 8" incl. USI	48.5" x 144.5" / 60" x 157.5" or cut to your required sizes
7075 T0, T6, T76 BARE & ALCLAD	SHEETS COILS 	AMS-QQ-A-250/12/13 AMS 4044/4045/4049 MRS Quality	0.016" - 0.20"	48" x 144" or cut to your required lengths, also with blanking
7075 T651 / T7351	PLATES 	AMS-QQ-A-250/12 AMS 4078/4045 MMS 159	5/16" - 9" incl. USI	48.5" x 144.5" / 60" x 157.5" or cut to your required sizes
7075 T651 / T7351	FLAT BARS COLD FINISHED 	AMS-QQ-A-225/9/11	1/2"- 3"	12 feet or cut to your required lengths
7075 T6 / T651 / T7351	ROUND BARS COLD FINISH 	AMS-QQ-A-225/9	1/4" - 9" DIA	2.9 meter - 12 feet or cut to your required lengths
7075 T6 / T651 / T73511	ROUND BARS EXTRUDED 	AMS-QQ-A-200/11	1/2" - 10" DIA	12 feet or cut to your required lengths
7075 T73511 / O	VARIETY OF EXTRUDED SHAPES 	TMS / AND / BAC	Per your request	12 feet or cut to your required lengths
7475 T7351	PLATES 	AMS 4202 FMS 3004	1.1/4" - 4.25" incl. USI	48.5" x 144.5" / 60" x 157.5" or cut to your required sizes

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# STAINLESS STEEL

ALLOY	PRODUCT	SPECIFICATIONS	SIZE (THICKNESS / DIAMETER)	SIZE (DIMENSIONS = WIDTH AND/OR LENGTH)
AISI 302	SHEETS 	AMS 5516 AMS-S-5059	0.020" - 0.090"	36" x 96"/120"
AISI 303/303SE	ROUND BARS 	AMS 5640/5641 QQ-S-763	1/4" - 10" DIA	12 feet or cut to your required lengths
	PLATES 	ASTM A895/A480	1/4" - 4"	Cut to your required sizes
AISI 304/304L	ROUND BARS 	AMS 5639/QQ-S-763	1/8" - 10" DIA	12 feet or cut to your required lengths
	PLATES 	ASTM A240/A480	3 mm - 150 mm	Cut to your required sizes
AISI 316/316L	ROUND BARS 	ASTM A276 / AMS 5653 AMS 5648	2 mm - 500 mm DIA	12 feet or cut to your required lengths
	PLATES 	ASTM A240/A480	3 mm - 150 mm	Cut to your required sizes
AISI 321	SHEETS 	ASTM A240/EN 10088/ AMS 5510	0.016" - 0.125"	36" x 96"/120"
	PLATES 	ASTM A240 / A480	4 mm - 100 mm	Cut to your required lengths
AISI 440C	ROUND BARS 	AMS 5630 AMS-QQ-S-763A	1/4" - 3.5" DIA	12 feet or cut to your required lengths
13 - 8 - MO	ROUND BARS 	AMS 5629	1/4" - 5" DIA	12 feet or cut to your required lengths
15 - 5 - PH	SHEETS 	AMS 5862	0.05" - 0.20"	36" x 96"/120"
	PLATES 	AMS 5862	1/4" - 4"	Cut to your required sizes

## STAINLESS STEEL

ALLOY	PRODUCT	SPECIFICATIONS	SIZE (THICKNESS / DIAMETER)	SIZE (DIMENSIONS = WIDTH AND/OR LENGTH)
15 - 5 - PH	ROUND BARS 	AMS 5659	1/8" - 15" DIA	12 feet or cut to your required lengths
17 - 4 - PH	SHEETS 	AMS 5604	0.05" - 0.20"	36" x 96" / 120"
	PLATES 	AMS 5604	1/4" - 4"	Cut to your required sizes
	ROUND BARS 	AMS 5643	1/8" - 13.5" DIA	12 feet or cut to your required lengths
17 - 7 - PH	SHEETS 	AMS 5528	0.010" - 1/4"	36" x 96" / 120"

## STEEL ALLOYS

ALLOY	PRODUCT	SPECIFICATIONS	SIZE (THICKNESS / DIAMETER)	SIZE (DIMENSIONS = WIDTH AND/OR LENGTH)
SAE 4130	SHEETS 	AMS 6350 ASTM A-829	0.025" - 0.15"	36" x 96" / 120"
	PLATES 	AMS 6350 ASTM A-829	1/4" - 4"	36" x 96" / 120" or cut to your required sizes
	ROUND BARS 	AMS 6348 AMS-S-6758 ASTM A322	1/8" - 9" DIA	12 feet or cut to your required length
	TUBES 	AMS 6360	OD 5/16" - 2.5"	12 feet or cut to your required lengths
SAE 4340	PLATES 	AMS 6359	1/8" - 4.5"	36" x 96" / 120" or cut to your required sizes
	ROUND BARS 	AMS-S-5000 AMS 6414 AMS 6415	1/4" - 15" DIA	12 feet or cut to your required lengths
	FLAT BARS 	AMS-S-5000 AMS 6414 AMS 6415	1/2" - 3"	12 feet or cut to your required lengths



## TITANIUM

ALLOY	PRODUCT	SPECIFICATIONS	SIZE (THICKNESS / DIAMETER)	SIZE (DIMENSIONS = WIDTH AND/OR LENGTH)
TITANIUM 6AL4V (GRADE 5) AIRCRAFT QUALITY	SHEETS 	AMS 4911	0.016" - 1/8"	36" x 96"/120"
	PLATES 	AMS 4911	1/4" - 5"	36" x 96"/120" or cut to your required sizes
	ROUND BARS 	AMS 4928	1/8" - 6" DIA	12 feet or cut to your required lengths
TITANIUM (GRADE 2) COMMERCIAL	SHEETS 	ASTM B-265	0.3 mm - 6 mm	1 x 2 meters
	PLATES 	ASTM B-265	1/4" - 2"	1 x 2 meters or cut to your required sizes
	ROUND BARS 	ASTM B-348	1/8" - 9" DIA	3 meters or cut to your required lengths

## COPPER ALLOYS

ALLOY	PRODUCT	SPECIFICATIONS	SIZE (THICKNESS / DIAMETER)	SIZE (DIMENSIONS = WIDTH AND/OR LENGTH)
CDA 172 COPPER BERYLLIUM	ROUND BARS 	AMS 4533 "TF00"	1/8" - 3.75" DIA	12 feet Cut to your required lengths
CDA 630 NICKEL ALUMINUM BRONZE	ROUND BARS 	AMS 4640 "HR50"	1/2" - 9" DIA	12 feet Cut to your required lengths

## LAMINATED SHIMS

ALLOY	PRODUCT	SPECIFICATIONS	SIZE (THICKNESS / DIAMETER)	SIZE (DIMENSIONS = WIDTH AND/OR LENGTH)
LS 1100	SHEETS 	AMS-DTL-22499/1 TYPE 1 CLASS 2 TYPE 2 CLASS 2	0.016" - 0.25"	24" x 48" 24" x 24"
LS 5051	SHEETS 	AMS-DTL-22499/1 TYPE 1 CLASS 2 TYPE 2 CLASS 2	0.015" - 0.375"	24" x 48" 24" x 24"

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# SCOPE METALS GROUP

## MAIN OFFICE & WAREHOUSES - ISRAEL

TEL. 972-8-8631000

FAX. 972-8-8631020

export@scope.co.il

WWW.SCOPE-METALS.COM

## USA:

### HADCO METAL TRADING - NY

Tel: 800-221-0344

Fax: 718-291-8388

salesny@hadco-metal.com

WWW.HADCO-METAL.COM

### HADCO METAL TRADING - PA

Tel: 800-638-2521

Fax: 215-427-1963

salespa@hadco-metal.com

WWW.HADCO-METAL.COM

### MATERIALS TECHNOLOGY SOLUTIONS - NJ

Tel: 973-401-0711

Fax: 973-401-1325

sales@materialtech.com

WWW.MATERIALTECH.COM

### HADCO METAL TRADING - FL Tampa Bay

Tel: 813-258-4499

Fax: 727-572-9565

salesfl@hadco-metal.com

WWW.HADCO-METAL.COM

### HADCO METAL TRADING - FL Pompano beach

Tel: 800-537-9953

Fax: 954-960-0451

salesfl@hadco-metal.com

WWW.HADCO-METAL.COM

## EUROPE:

### PRIMAPOL METAL SPOT Czech Republic

Tel: 420-315-817-111

Fax: 420-315-817-130

office@pmspot.cz

WWW.PMSPOT.CZ

### PRIMASPOT POLSKA Poland

Tel: 48-32-76-51-600

Fax: 48-32-76-51-601

office@primaspot.pl

WWW.PRIMASPOT.PL

### PRIMASPOT DEUTSCHLAND Germany

Tel: 49-89-208039-334

Fax: 49-89-208039-335

office@primaspot.de

WWW.PMSPOT.DE

### GILINOX Romania

Tel: 40-318-700-800

Fax: 40-318-700-801

info@gilinox.ro

WWW.GILINOX.RO

## THE FAR EAST:

### DALIAN BEST METALS China

Tel: 86-411-87187155/255

Fax: 86-411-87187055

sales@db-metal.com

