



PRODUCTS FOR THE AEROSPACE INDUSTRY

Global Manufacturing

Bringing together our manufacturing facilities in Germany, France, Italy and USA whilst embracing and developing our manufacturing relationship in India.

Global Service

Flexibility: Combining the scale of our integrated facilities with the flexibility of our precision tube plants in France and USA. Supporting the demands of our customers from 1m/1ft to global deliveries.

Products & Applications



Structural, mechanical tube & components for landing gear and actuation systems.

Austenitic, duplex and age-hardenable martensitic alloys.

Hydraulic & pneumatic system tubes & components.

High strength-to-weight austenitic and age-hardenable martensitic alloys.

Engine fuel systems, air bleed, heat exchangers and hydraulic controls.

Austenitic and Nickel superalloys (Ni-Cr, Ni-Co) for high temperature creep and oxidation resistance.



Dimensional range

From micro components to structural mechanical tubing – minimum OD 0.2 mm (0.008”) and wall thickness 0.05 mm (0.002”) to maximum OD 273 mm (10” NB).

Service & Innovation

- Precision cutting
- Machining
- Bending



GRADES & CAPABILITIES

Stainless Austenitic & Martensitic																	
Grade	MST Designation	Typical specification	Nearest equivalent standard		Typical chemical composition ¹⁾						Density		Min. mechanical prop. at RT				
			UNS	EN	C _{max}	Cr	Ni	Mo	Cu	others	g/cm ³	lb/in ³	R _{p0.2} Yield St.	R _m Tensile St.	MPa	ksi	
304L	DMV 304 L	AMS5564	S30403	1.4306	0.03	19.0	11.0					7.9	0.29	170	25	485	70
321	DMV 321	AMS5557	S32100	1.4541	0.08	18.5	10.5			Ti > 5 x C < 0.6%		7.9	0.29	170	25	485	70
347	DMV 347	AMS5557	S34700	1.4550	0.08	18.5	11.0			Nb > 10 x C < 1.0%		7.9	0.29	205	30	515	75
316L	DMV 316 L	AMS5573	S31603	1.4404	0.03	17.0	12.0	2.25				8.0	0.29	170	25	485	70
21-6-9	DMV 2169	AMS 5561	S21900		0.08	19.0	5.5			Mn 8.0		7.9	0.29	330	48	655	95
17 4 PH	DMV174PH	AMS 5643	S17400	1.4542	0.07	17.0	4.0		4.0			7.9	0.29	1140	165	1170	170

Nickel and Nickel-based alloys																	
Grade	MST Designation	Typical specification	Nearest equivalent standard		Typical chemical composition ¹⁾						Density		Min. mechanical prop. at RT				
			UNS	DIN	C _{max}	Cr	Ni	Mo	Cu	others	g/cm ³	lb/in ³	R _{p0.2} Yield St.	R _m Tensile St.	MPa	ksi	
<i>Nickel Alloys:</i>																	
600	DMV 600 L	AMS5580	N06600	2.4816	0.025	16.0	76.0			Fe 8.0		8.4	0.30	180	26	550	80
625	DMV 625	AMS5581	N06625	2.4856	0.025	22.0	63.0	9.0		Nb 3.5 Grade 1		8.5	0.31	414	60	827	120
C263	DMV C263		N07263	2.4650	0.08	20.0	49.0	5.6				8.4	0.30	585	85	1004	145
718	DMV718	AMS5589	N07718	2.4668	0.08	17.0	50.0	2.80				8.1	0.29	1100	160	1375	199
Alloy 188	DMV 188		R30188	2.4683	0.015	22.0	22.0			Co 39.0, W 14.0, Fe < 3.0		9.1	0.33	379	55	862	125
Alloy 230	DMV 230		N06230	2.4733	0.1	22.0	57.0	2.0		W 14.0, Co < 5.0, Fe < 3.0		9.0	0.32	310	45	758	110
<i>Pure Nickel:</i>																	
Ni 200	DMV 200		N02200	2.4066	0.05		99.4					8.9	0.32	103	15	379	55
Ni 201	DMV 201		N02201	2.4068	0.02		99.4					8.9	0.32	83	12	345	50

Titanium																	
Grade	MST Designation	Typical specification	Nearest equivalent standard		Typical chemical composition ¹⁾						Density		Min. mechanical prop. at RT				
			UNS	EN	C _{max}	Cr	Ni	Mo	Cu	others	g/cm ³	lb/in ³	R _{p0.2} Yield St.	R _m Tensile St.	MPa	ksi	
Ti CP	DMV Ti 1		Grade 1	3.7025	< 0.08	< 0.18	balance	< 0.20	H2 < 0.015			4.5	0.16	138	20	240	35
Ti CP	DMV Ti 2		Grade 2	3.7035	< 0.08	< 0.25	balance	< 0.30	H2 < 0.015			4.5	0.16	275	40	345	50

¹⁾ All figures in weight percentage. Mechanical properties are indicative only.

Quality Certifications

We operate a global Quality Management system across key market sectors of Aerospace, Nuclear, Oil & Gas and Petrochem with an extensive customer approval reference list.

EN ISO 9001 • EN ISO 14001 • EN 9100

Contact us

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