

Level 1	N 2	N 3	N 4	Description	Contact for new customers		
					Bars / Blocks / Sheets	Parts	
AEROSPACE	Aircrafts P-A	Engines	Shafts	P-K1	Fans, compressors and turbine shafts, etc.	B. Vachey	JL. Deneuveille
			Fan Disks	P-K3, P-K5, I-K4			
			Spinners				
			Compressors HP				
			Compressors LP and IP		Disks + Drums (tambours)		
			Turbines HP				
			Turbines LP				
			Blades		Pins		
			Other non-rotating parts	P-K2,	Housings, intermediate housing flanges (brides intermédiaires de carter), etc.		
			Airframes	O-AB*, P-A7	T, fuselage frames (cadre), fittings (ferrures), wing fittings (éclisses), etc.		
		Structural parts	Stationary parts	O-AF*, O-AF1	Door components : hinges (gonds), bars, etc.		
			Mobile parts	O-AF*, O-AF1	Flap tracks, transmission components (gear assemblies, gears, actuators), etc.		
			Jet engine parts	P-A5, P-A3, O-AF*, O-AF1	Engine pylons (Mats réacteurs), nacelles, thrust reversers (inverseurs de poussée), etc.		
	Landing components	O-AC*, P-A6		Sliding tubes, main fittings (caissons de trains), torque link (compas), wheels (P-A4), braking systems, boggie beams (balanciers), landing gear fittings (éléments de trains), etc.			
	Helicopters P-A2 O-AD*	Engines	Shafts		Shafts, other parts (billet family)		JL. Deneuveille
			Rotating parts except shafts		Disks, wheels, etc.		
			Other non-rotating parts		Pistons, rings, etc.		
		Structural components	Kinematics linkages (or transmission)		Hubs (Moyeux), shafts, swash plates, blade sleeves (manchons), transmission parts (gears), etc.		
			Stationary parts		Housings, hinges (gonds), spindles (fusées), etc.		
		Landing components					
	Space P-B O-AH*	Launchers	Propulsion components	P-B2	Rings, cylinders (viroles), domes (fonds), boosters, etc.		M. Bouzidi
			Structural components	P-B1	Fuel tanks (in Ti), etc.		
		Others	P-B9		Satellites, ISS Station, ATV Vehicle, etc.		
Others	Aeronautic bearings	O-AE*			D. Laveze	N / A	
	Specialized aeronautic distributors				S. Delhopital		
	Others			Drones, airships (dirigeables)	JP. Hesse		

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ENERGY P-F O-AL*	Turbines, Generators and transformers O-AL1, O-AL2, O-AL*	Turbines	Shafts P-F6		S. Delhopital	C. Sentenac
			Other rotating parts P-F7	Disks, Spacer, Rings		
			Blades			
			Other non-rotating parts	Casing, Rings		
		Alternators	Retaining rings (frettes), Other parts			
	Industrial compressors P-F3					
	Nuclear Energy I-G, O-AM*	Primary equipments	Tanks (Cuves)	Flanges (brides), radial guides (blocs support), tank rods (tiges de cuve)		
			Steam generators	Partition plates, anti-vibration bars (Barres Anti Vibratoires), flow limiters (tuyères)		
			Pump units	Flanges (brides), shafts		
			Pressurizers			
		Piping, valves and fittings	Valves, tubes, segments			
		Nuclear fuels	Ultracentrifugation (ETC ou	Bars and tubes		
	Fuel productions		Forged or rolled bars			
	Equipments P-Y, I-Y (Y9), O-HY					
	New technologies	Nuclear fusion = ITER Nuclear fission = JHR				
	Renewable Energy		Solar, windmills, hydrowind (sea current)			
	Oil and Gas, and Chemical industries I-V O-AP* O-AN2	Platforms I-V3	Risers and turret swivels	Specialty Riser Joints, anchoring systems (Length Adjustment Spools)		
			Other platforms	Cylinder rods		
		Other drilling parts I-V9		Non-magnetic steerable stabilizers, wheels (cast part)		
		Chemical industries				
Others	Specialized distributors				N / A	

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LAND AND SEA TRANSPORTATION	Mechanical sports (1) O-AS*	Drive train (Transmission)		Gear boxes, motor parts, shafts, gears, crankshafts (vilebrequins), connecting rods (bielles)	JP. Planchon	P. Barnet
		Other parts		Chassis frame components, fasteners (O-AG*)		
	Injection system O-AR*		Automotive, heavy trucks, railway, maritime and other applications			
	Valves (soupapes) O-AT*					
	Others			Springs (Ressorts) (O-AV*), Keels, cylinders (viroles), casings, shafts, connecting rods (bielles) (P-U1, P-U2, P-U3)		

(1) Automotive competition, two wheels, and other mechanical sports like skidoo or others vehicles.

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TOOLING	Cold working			Cutting, drawing, blanking (emboutissage) (I-87)	F. Cenac	N / A	
	Hot working	Mandrel (Mandrins)	I-P1			N / A	P. St Maurice
		Continuous casting rings (Frettes)	I-S4				
		Forging (Forgeage) / Stamping (Estampage) / Close die forging (Matriçage)	O-AZ3, I-83			F. Cenac	P. Barnet
		Extrusion (Filage)	O-AZ4, I-84				
		Glass applications	O-AZ5		Moulds and glass industry components		
		RTM and composites applications	O-AZC		Dies and parts	N / A	
		SPF (Titanium) applications	O-AZS		Dies and parts		
	Light alloys	O-AZ2		Dies (Matrices), injection nozzles (buses), light alloys "goose necks" injection	C. Auzeau		
	Hot transformation of synthetic raw materials	Plastic injection, compression and extrusion	O-AZ1		Dies (Matrices), injection nozzles (buses), half / hot mechanical transformation (>180°C, ≤ 400°C) of synthetic raw material		
	Other applications O-AZH, O-AZW				Furnace grids, tiles (tuiles) moulds, nuclear marine parts	N / A	
	Specialized distributors	Light alloys, plastics	O-AZA, O-AZP			C. Auzeau	N / A
		Stamping, extrusion, glassware, cold working, general	O-AZE, O-AZF, O-AZV, O-AZD, O-AZ9			F. Cenac	
	Knives				Standard, professional and industrial cutleries, other cutlery products	D. Laveze	
Other cutting tools	Tool holders rockdrill				F.Cenac		

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SPECIALTIES	Defense	Navy	O-AJ*, P-R, I-R	Submarine	Nuclear propulsion (reactor elements, injection, valve), Projectile launches (torpedo launch tubes, subsea vehicles VSM39), Equipments (valves, flanges (brides), aerial parts (partie aérienne), cooling systems (circuit de refroidissement), pumps), others	D. Laveze	JP. Hesse + P. Barnet for casting parts
			Boats and boats weapons	Projectile launches (tubes, torpedoes, VM39), Equipments (valves(vannes), flanges (brides), aerial parts, pumps, landing grids (grilles d'appontage) for helicopters			
			Other, non identified or classified				
		Missiles	O-AX*, P-L, I-L	Motor casing	Back, intermediate and front cups and tanks (Fonds et réservoirs), cruise bodies (Croisière monobloc), tubes, rolled shapes	S. Delhopital	P. Saint Maurice + P. Barnet for casting parts
				Orientation	Control and stabilization systems (Système de pilotage et stabilisation), fins (empennages)		
				Other, non identified or classified	Fittings (Ferrures), hangers (attaches)		
		Naval defenses	O-AK*	Arms	"Light" attack torpedos,	S. Delhopital	P. Saint Maurice + P. Barnet for casting parts
				Barrels	Barrels for turrets (40 ≤ cal ≤ 127 mm) (breech components (éléments de culasse), sleeves (manchon), corners (coins), liners (chemise), muzzle brakes (frein de bouche), tubes)		
		Land defenses	O-AK*	Barrels	Tanks (Char de combat) (60 ≤ cal ≤ 140 mm) (Tubes, Parts (I-O2)), quick barrels (20 ≤ cal ≤ 40 mm) (Tube / breech component)	S. Delhopital	P. Saint Maurice + P. Barnet for casting parts
	Gunnery			O-AK1, P-O5, I-O5 Barrels for howitzers (obusier) (105 ≤ cal ≤ 155.52 mm) (Tube (I-O4) / breech components / sleeves (Manchons / Corners (Coins)/ Screws / Muzzle brakes (Frein de bouche)), tracted barrels (105 ≤ cal ≤ 155.52 mm), Mortars (cal : 60 / 81 / 120 mm) (Tube / breech components)			
	Transport and equipment			Chassis / Arm supports / body floors (pont) (protection and assembly components / body floor components), Energy recuperation and suspension system components (½ products for pinions and gears, torsion bars), Running gear components (½ traveling wheels (galet), tracks)			
	Medical O-A2*	O-AK2	Small gun barrels	Components for arms of 5.56 ≤ cal ≤ 7.62 mm (Tube / breech components)	D. Laveze	P. Barnet (for casting parts)	
			Orthopedic / Traumatology	Prosthesis, screws (vis), boltings			
			Instruments / Ancillary				
	Watch making O-A4*		Others	Arms for radio tables (cast part), orthosis, dental plots	D. Laveze	P. Barnet (for casting parts)	
	Mechanics O-AN*	O-AN3	Gears	Cases, wristlets, mechanical parts			
			Others	Others than aeronautics			
	Food			High pressure vessels (Enceintes de pascalisation), food grinding (broyage alimentaire) (nozzles (buses), extruders)		JP. Hesse	
	Recycling, water and waste treatment				JP. Hesse		
	Others	Distributors		(or crossover markets)	S. Delhopital	N / A	
Transformers			(or crossover markets) Forging companies (Forgerons), foundries (fondeurs), machining companies (usineurs)				
Fasteners O-AG*				N / A			
Others or non identified				A. Verge			
Custom Treatment (TAF)							
Various services			Research projects (Marchés d'étude), various billings	N / A			