# DAS Aluminium MEDIA INFORMATION 2026

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2026



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#### **Description**

The Aluminium Suppliers Directory has, since its introduction more than 50 years ago, established itself as the most comprehensive, leading reference work for the Aluminium industry and its associated peripherals. Our users benefit from the optimum combination of a print, USB and online medium. The B2B target group worldwide is reached directly and without divergence loss. The Aluminium Suppliers Directory offers all users a speedy and clear access. The detailed product breakdown with numerous technical

terms avoids laborious searching and unnecessary wasted time. Online linked Internet and email addresses facilitate the search for further detailed information, as well as the search for trade marks, alloys and special products of the companies.

The Aluminium Suppliers Directory and www.Alu-Lieferverzeichnis.com stand for qualified contacts between purchasing and sales.



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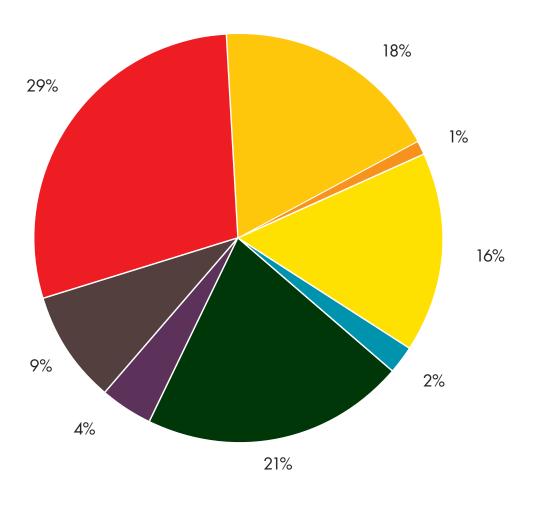
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#### Reader structure analysis + distribution

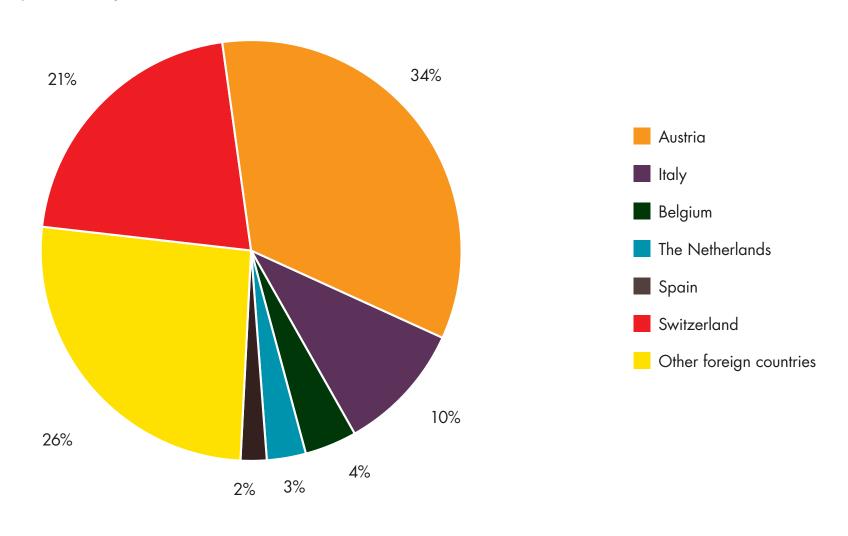


- Branches
  Automotive industry
  Rail vehicle industry
  Aviation
  mechanical engineering
  Toolmaking
  Construction
  Civil engineering
  Electrical engineering
  packaging
  Joining technology
  Surface technology
- Contract work
  Metal construction
  Forming
  CNC processing
  Separation technology
  Surface treatmentg
- Research & Teaching
  Universities
  Universities of applied sciences

- Information/Advice
  Appraiser
  Engineers
  Architects
  Industrial design
- Organizations
  Business associations
  Chambers of Commerce and Industry
  Chambers of CraftS
- Individual Distribution
  Trade Fairs
  Exhibitions
  Congresses
  Individual requirements
- Samples/ advertising copies
- Aluminium-Industry
  Primary aluminum industry
  Secondary aluminum industry
  Aluminum semi-finished products
  Aluminum trade

#### Distribution

Print run: 10,000 (printed and digital)



#### Your advertising opportunity

#### The ADVERTORIAL

The ideal addition to your classic advertising with an editorial-like background. The publication of your text / image material is done by us, adapted to the layout of the aluminum delivery directory.



1/4 page 4-coloured (Text max. 180 characters including spaces)) 490,- EUR



1/2 page 4-coloured (Text max. 380 characters including spaces) 820,- EUR

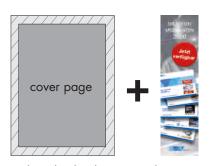


1/1 page 4-coloured (Text max. 750 characters including spaces) 1,590,- EUR

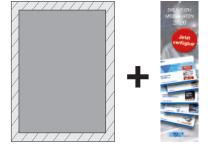
#### Your advertising opportunity

The PRINT + ONLINE COMBINATION

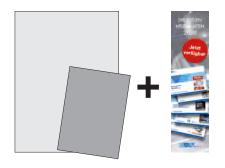
Online term: 12 months



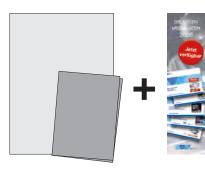
2nd, 3rd & back cover + skyscraper **EUR 2.370 each** 



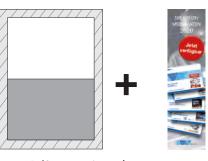
1/1 page 4c + skyscraper **EUR 2,220** 



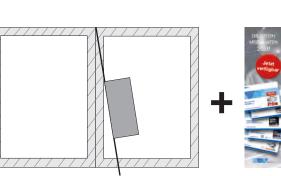
two-sided supplement + skyscraper **EUR 2,500** 



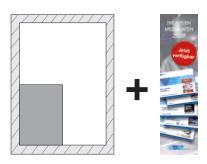
four-sided supplement + skyscraper **EUR 2,850** 



1/2 page 4c + skyscraper **EUR 1,430** 



bookmark + skyscraper Insertion costs (complete delivery) **EUR 2,270** 



1/4 page 4c + skyscraper **EUR 1,090** 

Printing costs and production costs of supplements and bookmarks on request.

All prices given in EUR excl. VAT.

#### Your advertising opportunity

The COMPANY ENTRY

in almost 2,000 categories in the aluminum product directory

entry deadline: 24.10.2025



#### **ComfortPlus**

Service package

DVS Media GmbH Aachener Straße 172 40223 Dusseldorf (Germany) P: +49 211 1591 - 155/152 F: +49 211 1591 - 150 E-mail: anzeigen@dvs-media.info Website: www.Alu-Lieferverzeichnis.de Contact: Britta Wingartz

Price per entry

**EUR 185** 

#### **Premium**

Service package

DVS Media GmbH Aachener Straße 172 40223 Dusseldorf (Germany) P: +49 211 1591 - 155/152 F: +49 211 1591 - 150

E-mail: anzeigen@dvs-media.info Website: www.Alu-Lieferverzeichnis.de

Contact: Britta Wingartz

Price per entry **EUR 205** 

#### **PremiumPlus**

Service package

DVS Media GmbH Aachener Straße 172 40223 Dusseldorf (Germany) P: +49 211 1591 - 155/152 F: +49 211 1591 - 150

E-mail: anzeigen@dvs-media.info Website: www.Alu-Lieferverzeichnis.de

Contact: Britta Wingartz

Products / Services: Publications of technical information about the subject areas industrial ceramics, refractory and aluminum

Price per entry

**EUR 215** 

Your print entry is included additionally free of charge on USB Version and online: www.Alu-Lieferverzeichnis.com. The prices for print are for the annual edition of the Aluminium Suppliers Directory. All prices in EUR excl. VAT.



#### Category list

Α	Raw materials, primary metal products, semi-finished	2.1.4.1 2.1.5	Deodrops Deoxidation alloys
	products, rolled products unfinished	2.1.6	
1		2.1.6.1	Rolling ingots Extrusion billets, extrusion bolts
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1.2	Aluminium oxide	2.1.7.1	Molten aluminium
1.2.1	Finished ceramic products	2.1.7.2	
1.3	Additives for fused-salt electrolysis	2.1.6	Notch ingots
1.3.1	Cryolite		Deodrops Biology
1.4	Söderberg mix	2.1.10	Piglets
1.5	Petroleum coke	2.1.11	Granules
1.6	Binder pitch	2.1.12	Fine aluminium shot
1.7	Cathode materials	2.1.13	Aluminium granules
1.8	Prebaked carbon anodes	2.1.14	De-oxidising granules (for killing steel)
1.9	Collar paste	2.2	Magnesium
		2.2.1	Pure and high-purity magnesium
2	Primary metal products	2.2.2	Magnesium alloys
2.1	Aluminium	2.2.3	Magnesium master alloys
2.1.1	Primary aluminium	2.3	Titanium
2.1.1.1	Secondary aluminium	2.4	Silicon
2.1.2	High purity aluminium and alloys	2.4.1	Silicon powder
2.1.3	Aluminium alloys	2.5	Ferrous alloys
2.1.3.1	Forging alloys, continuously cast	2.6	Alloying metals, master alloys
2.1.3.2	Thixotropic aluminium alloys	2.6.1	Aluminium-titanium-boron
2.1.3.3	High-performance aluminium	2.6.2	Cast alloys
2.1.3.4	High-strength alloys for aerospace industry	2.6.3	Primary aluminium casting alloys
2.1.3.5	Aluminium alloys, tablets	2.7	Gallium
2.1.3.6	Aluminium alloys, briquettes	2.8	Copper alloys
2.1.4	Aluminium master alloys		,

3	Grit, powder, paste, wool, foam	4.2.8	Rolled products, plastic-coated
3.1	Aluminium grit	4.2.9	Rolled products, coated with self-adhesive backing (foil and thin
3.2	Aluminium powder		strip)
3.3	Aluminium paste	4.3	Composite semis (sheet and strip)
3.4	Aluminium wool	4.3.1	Aluminium with aluminium
3.5	Magnesium powder	4.3.1.1	Sheet and strip, braze-clad
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3.6	Light-metal alloy powder	4.3.3	Aluminium with copper
3.6.1	Alloy ingots	4.3.4	Aluminium with steel
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		4.3.6	Steel with aluminium
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4.1.2	Strip	4.6	Slugs
4.1.3	Thin strip	4.6.1	Slugs for impact extrusion, in aluminium and aluminium alloys
4.1.4	Foil	4.7	Extruded products, bare
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4.1.6	Sheet and strip with rolled-in patterns (DIN EN 1386)	4.7.1.1	Solid sections/profiles for aerospace applications
4.1.7	Sheet and strip, textured	4.7.2	Hollow sections/profiles
4.1.8	Sheet and strip, anodized	4.7.2.1	Hollow sections/profiles for aerospace applications
4.1.9	Sheet and strip, pretreated	4.7.3	Machined sections/profiles
4.1.10	Sheet and strip, degreased	4.7.3.1	CNC treatment of profiles
4.1.11	Sheet and strip, cut to shape	4.7.4	Microprofiles, extruded
4.1.12	Plates	4.7.5	Large sections/profiles
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4.2.2	Rolled products, ground	4.7.8	Design profiles, coated and non-coated
4.2.3	Rolled products, pickled	4.8	Extruded products, surface-treated
4.2.4	Rolled products, chemically oxidized	4.8.1	Extruded products, brush-finished
4.2.5	Rolled products, anodized	4.8.1.1	Extrudet profiles, mill finish
4.2.6	Rolled products, lacquered, powder-coated	4.8.2	Extruded products, ground
4.2.7	Rolled products, coil-coated	4.8.3	Extruded products, polished

4.8.4	Extruded products, pickled	4.11.3	Extruded wire
4.8.5	Extruded products, chemically oxidized	4.11.4	Wire
4.8.6	Extruded products, anodized	4.11.4.1	Drawn wire
4.8.6.1	Extruded products, cleaned and anodised	4.11.4.2	Anodized wire
4.8.7	Extruded products, lacquered	4.11.5	Flat and profiled wire
4.8.7.1	Extruded products, powder-coated	4.11.6	Wire netting and woven products
4.8.8	Extruded products, plastic-coated	4.11.7	Clad wire (alclad)
4.8.9	Extruded products, clad with stainless steel	4.11.8	Wire for vacuum metallising
4.8.10	Extruded products, clad with brass or bronze	4.12	Drop and open-die forgings
4.8.11	Extruded products, mechanically treated	4.12.1	Drop forgings
4.8.12	Extruded products, welded	4.12.2	Open-die forgings
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4.9.2	Drawn rods and bars	4.13.1	Cold impact extrusion, cold extruded parts
4.9.3	Rods and bars made of free-machining alloys	4.14	Shaped sheet parts
4.9.4	Round bar, cast and turned	4.14.1	Embossed sheet
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4.10.1	Extruded tubes	4.16	Expanded metal mesh
4.10.2	Drawn tubes	4.17	Rolled rings
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4.10.5	Hard-anodized tubes	4.20	Titanium and titanium alloy semis
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4.10.7	Annular tubes	4.21.1	Plates, milled surface
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4.10.9	Composite tubes	4.21.3	Plates, thick
4.10.10	Sawn aluminium tubes	4.21.4	Plates and blocks for mould-making
4.10.11	Tubes, weldless and drawn	4.21.5	Aluminiumsandwich
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4.11.1	Alloyed or unalloyed cast and rolled electrical conductor wire	5	Castings
	(Properzi wire)	5.1	Aluminium and aluminium alloy castings
4.11.2	Alloyed or unalloyed cast and rolled wire for mechanical purpo-	5.1.1	Sand castings
	ses (Properzi wire)	5.1.1.1	Permanent mould castings
	•		

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5.1.7	Castings made by special casting processes	21.3.2	Sheet, wide and narrow coiled strip, mill finish
5.1.8	Artwork castings	21.3.3	Sheet, wide and narrow coiled strip, textured
5.1.9	Prototype castings	21.3.4	Checker plate, bulb plate, button plate
5.1.10	Product development for castings	21.3.5	Corrugated sheet and strip
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5.3	Titanium and titanium alloy castings	21.3.7	Discs, round blanks
5.4	Die-castings in alloys of zinc or aluminium	21.3.8	Blanks
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6.2	Thixocasting	21.4.2	Rolled products, pickled, chemically oxidized, anodized
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20	Light-melais frade, general	21.7	Extruded products, surface-treated
21	Light-metals trade in special products	21.7.1	Extruded products, bright-chrome plated, brush-finished, ground,
21.1	Aluminium and aluminium alloys		polished
21.1.1	Ingots, billets	21.7.2	Extruded products, pickeld, chemically oxidized, anodized
21.1.2	Aluminium grit	21.7.3	Extruded products, lacquered, coated, self-adhesive
21.1.3	Aluminium powder	21.7.4	Extruded products, electroplated or chemically coated

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21.8.2	Drawn rods and bars, tubes		, ,
21.8.3	Surface-treated rods and bars, tubes	23	Treatment and recycling of industrial waste
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21.8.5	Cast rods and bars		
21.9	Wire	C	A l ! !
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21.9.2	Alloyed and unalloyed wire for mechanical purposes	30	Alicania i con anno alicato fore the alication i indicator.
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21.17	Aeronautical-grade semis	30.3.1	Door and window fittings
21.17	7 Crondoned grade semis	30.3.2	Fittings for sliding glass doors
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		30.4.1	Sheet, coil, sheet corrugated in various shapes

30.4.1.1	Sheet, coil, sheet corrugated in various shapes		tion
30.4.2	Porches, walkway coverings	30.6.4.2.	Drawing profiles, according to individual wishes
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30.5	Guttering, downpipes	30.6.14	Working platforms
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	ning and air-conditioning equipment	30.7.4.1	Specially designed sash windows
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30.8.8	Awnings	30.10	Window, door and gate closures
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30.9	Doors, door structural elements, fittings	30.10.7	Spiral door

30.10.8	Sliding gates	30.15.1.1	Cloakroom hooks
30.10.8.1	Sliding gates, guided	30.15.2	Curtain rails
30.10.8.2	Sliding gates, cantilevered	30.15.3	Chain curtains
30.10.9	Garage doors	30.16	Light equipment and accessories
30.10.10	Sliding screens	30.16.1	Reflectors
30.10.11	Sliding-folding gates	30.16.2	Special products
30.10.12	Venetian blinds	30.16.3	Lighting
30.10.13	Folding shutters	30.16.4	Light boxes for advertising transparencies
30.10.14	Sill-free door latches	30.16.5	Lighting arrays
30.10.15	Rain guttering, door sills, fittings	30.17	Heating, ventilation, air-conditioning
30.11	Display windows, showcases	30.17.1	Radiators, convectors
30.11.1	Profiles, profile systems, structural elements	30.17.2	Radiator panelling
30.11.2	Display cabinets and showcases	30.17.3	Roller grilles, gratings
30.11.3	Display windows	30.17.4	Ventilators
30.11.4	Shelving	30.17.5	Ventilation grids
30.12	Structural elements for shopfitting, exhibition stand construction	30.17.6	Air filters
30.12.1	Sections and section systems for shopfitting	30.17.7	Ventilation and smoke exhaust units, ventilation flaps
30.12.2	Profiles and profile systems for exhibition stands	30.17.8	Aluminium honeycomb air distributors
30.12.3	Space structuring systems	30.17.9	Flexible pipes, metallic hoses
30.12.4	Mountings and fixtures for shopfitting	30.17.10	Waste gas ducting
30.13	Cubicles, partition walls and structural elements,	30.17.11	Casings for air-conditioning and cooling
30.13.1	Sections, section systems	30.18	Sanitary equipment and fittings
30.13.2	Prefabricated partition walls	30.18.1	Shower cabinets
30.13.3	Meeting booths with aluminium-section frames	30.18.2	Wall cabinets, mirror cabinets
30.13.4	Devices for transferring cash and goods at cash-desks	30.19	Conservatories, verandas, glass structures, glass roof structures
30.14	Ceiling panels, acoustic ceilings and structural elements	30.18.2	Wall cabinets, mirror cabinets
30.14.1	Coffer ceilings	30.20	Stairs, balustrades, fencing, gratings
30.14.2	Strip ceilings	30.20.1	Sections, section systems
30.14.3	Aluminium strip ceilings	30.20.1.1	Extruded sections and systems
30.14.4	Grid ceilings, ceiling grids	30.20.2	Stairs, walkways, landings
30.14.5	Acoustic ceilings, -elements	30.20.2.1	Treads for escalators
30.15	Cloakroom, interior fittings and accessories	30.20.3	Spiral staircases
30.15.1	Claokroom systems	30.20.4	Loft ladders, flat roof exits

30.20.5	Balustrades	31	Aluminium traffic structures and guide systems
30.20.5.1	Panelling for balustrades	31.1	Bridges, balustrades
30.20.5.2	Pipe connectors	31.1.1	Footbridges
30.20.6	Rod elements, forged	31.1.2	Bridge balustrades
30.20.7	Walkway and stair gratings	31.1.3	Bridge-laying systems
30.20.8	Non-skid gratings	31.2	Masts
30.20.8.1	Safety gratings, safety stairs	31.2.1	Lattice towers
30.20.9	Lighting and ventilation gratings	31.2.2	Tubular masts
30.20.10	Fencing and fencing systems	31.2.3	Telescopic masts
30.20.11	Balcony balustrades	31.2.4	Lighting poles
30.20.12	Extended balconies	31.2.5	Flagpoles
30.20.13	Prefabricated balconies and balcony systems	31.2.6	Post tubes for traffic signs
30.20.14	Carport construction kits	31.3	Guidance systems
30.21	General welded structures	31.3.1	Guide rails, guide palings
30.22	Shuttering systems	31.3.2	Traffic sign gantries
30.23	Sandwich elements	31.3.3	Traffic signs
30.23.1	Aluminium honeycombs	31.3.4	Road signs
30.24	Aluminium chains	31.3.5	Level-crossing gates, barriers
30.25	Alternative energy systems and structural elements	31.4	Noise-reduction installations
30.25.1	Solar collector panels	31.4.1	Noise barriers
30.25.2	Solar collectors		
30.25.3	Energy roof systems	32	Aluminium products for electrical engineering and electronics
30.25.4	Energy fence systems	32.1	Conductor wire, heavy grid cables
30.25.5	Energy-extraction systems with absorbers and brine-water-heat	32.1.1	Conductor wire, bare
	pumps	32.1.2	Conductor wire, varnished
30.25.6	Other energy utilisation systems	32.1.3	Conductor wire, plastic-insulated
30.26	Measuring and alignment equipment	32.1.3.1	Conduct-wire, anodized
30.26.1	Measuring and alignment equipment, general	32.1.4	Sector cables
30.26.2	Straight edges	32.2	Busbars, accessories
30.26.3	Levellig boards	32.2.1	Extruded busbar sections
30.26.4	Spirit levels	32.2.2	Extruded tubular busbars
30.26.5	Lasers for facades, windows and interior decoration	32.2.3	Continuously-cast busbars
		32.2.4	Electroplated busbars

32.2.5	Anodized busbars	32.7.2.1	Cabinets
32.2.6	Ready-to-assemble busbars	32.7.3	Casing systems
32.2.7	Ready-to-assemble busbars	32.7.4	Front panels, scales
32.2.8	Busbars	32.7.5	Adjustment knobs
32.3	Overhead cables, accessories	32.7.6	Heat sink sections
32.3.1	E-Al overhead cables	32.7.7	Heat sinks
32.3.2	E-AIMgSi overhead cables	32.7.7.1	High power heat sinks
32.3.3	Aluminium and steel overhead cables	32.7.8	High-frequency screening
32.3.4	Aluminium-clad steel cables	32.8	Switch cabinets, accessories
32.3.5	Insulated overhead cables	32.8.1	Switch cabinets of sheet-metal
32.3.6	Screw clamps	32.8.2	Switch cabinets made of sheet metal and extruded sections
32.4	Cables, accessories	32.8.3	Fittings for electronic cabinets
32.4.1	Cable foil	32.8.4	Equipment racks made of aluminium sections
32.4.2	Cable strip	32.8.5	Windows for switch cabinets
32.4.3	Low-voltage cable	32.9	Installation accessories
32.4.3.1	Flexible cable connectors	32.9.1	Wall-mounted conduits
32.4.4	Medium and high-voltage cable	32.9.2	Cable supports
32.4.5	Cable sheathing	32.9.3	Switches with aluminium ornamental plates
32.4.6	Screw clamps	32.9.4	Aluminium cable clips
32.4.7	Cable ducting	32.9.5	Lightning protection systems and accessories
32.5	Coiling strip	32.10	Communications and telecommunications
32.5.1	Bare coiling strip	32.10.1	Antenna reflectors
32.5.2	Anodized coiling strip	32.10.2	Antenna support (masts): special extrusions e.g. for electric
32.5.3	Coiled narrow strip made from anodized coil		motor housings, castings and forgings
32.6	Aluminium elements for capacitors		
32.6.1	Capacitor foil, bare, rolled	33	Aluminium products for apparatus and container construction
32.6.2	Starting material for capacitor cans	33.1	Pressurized containers, general
32.6.3	Capacitor cans	33.1.1	Chemical apparatus
32.7	Electronic components	33.1.2	Flat-floored silos
32.7.1	Electronic components, general	33.1.3	Silos with outlet chutes
32.7.1.1	Electronic cabinets	33.1.4	Fixed large-capacity tanks
32.7.1.2	Mounting kits for electronics	33.1.5	Transportable large-capacity containers
32.7.2	Casings	33.1.6	Mixing silos

33.2	Transport containers	33.5.3	Flanges
33.2.1	Transport containers for bulk products	33.5.4	Welding collars
33.2.2	Transport containers for liquids	33.5.5	Ball valves (fittings)
33.2.3	Transport bottles	33.5.6	Corrosion-protected strip for flexible tubes
33.2.4	Spare tanks for motor vehicles	33.5.7	Piping components clad with polyamide, ready-to-mount
33.3	Pressure vessels	33.6	Heat insulation and structural components
33.3.1	Pressure vessels, general	33.6.1	Aluminium strip and systems for insulating pipes and tanks
33.3.2	Compressed gas bottles	33.6.2	Aluminium strip for moisture-barrier insulation
33.3.3	Bases for pressure vessels	33.6.3	Insulating materials
33.4	Heat exchangers and components	33.7	Noise insulation and structural components
33.4.1	Strip for coiled fins		ľ
33.4.2	Strip for cooling fins	34	Aluminium products for factory equipment and transport
33.4.3	Corrosion-protected strip for heat-exchanger elements	34.1	Boxes for storage and transport, cases
33.4.4	Tube plates (roll-bond-plates)	34.1.1	General-purpose boxes
33.4.5	Brazing strip and sheet	34.1.2	Boxes for the food processing
33.4.6	Finned tubes (integral fins)	34.1.3	Boxes for the textile industry and for laundries
33.4.7	Tubes for ring-shaped heat exchangers	34.1.4	Stackable boxes
33.4.7.1	Multi-chamber hollow sections for ring heat exchangers	34.1.5	Folding boxes
33.4.7.2	Extruded multi-chamber hollow sections for ring heat exchangers	34.1.6	Transport baskets and cages
33.4.8	Welded and braze-clad tubes	34.1.7	Equipment cases
33.4.9	Special tubes, welded	34.1.8	Cases for industrial use
33.4.9.1	Spirally welded tubes	34.1.9	Trunks and cases for transport (general)
33.4.9.2	Tubes for pneumatic cylinder	34.2	Trolleys
33.4.10	Oil and gas coolers, vacuum-brazed	34.2.1	General-purpose trolleys
33.4.11	Heat exchangers for air-conditioning units	34.2.2	Trolleys for food processing
33.4.12	Evaporators for refrigerators and deep-freezers	34.2.3	Trolleys for the textile industry and for laundries
33.4.13	Coolers for compressors	34.2.4	Hospital trolleys
33.4.14	Coolers for hydraulic plant, vacuum-brazed	34.3	Pallets, racks
33.4.15	Heat exchangers for the chemical industry	34.3.1	Flat pallets
33.4.16	Vacuum-brazed heat exchangers for the gas industry	34.3.2	Flat pallets, collapsible
33.5	Pipes and structural components	34.3.3	Box pallets
33.5.1	Pipes	34.3.4	Tank pallets
33.5.2	Pipe elbows	34.3.5	Pallets for air transport

34.3.6	Transport racks	34.7	Signs, lettering, displays
34.3.7	Tank wagons	34.7.1	Plate for engraving
34.4	Containers, tanks	34.7.2	Etched signs
34.4.1	Small containers	34.7.3	Engraved signs
34.4.2	Large containers	34.7.4	Printed signs
34.4.3	Containers for liquids	34.7.4.1	Business cards made of aluminium
34.4.4	Containers for bulk goods	34.7.5	Cast signs
34.4.5	Containers for air transport	34.7.6	Photographically coated nameplates
34.4.6	Transport tanks	34.7.7	Decorative articles in offset or screen printing
34.4.7	Aluminium fermentation tanks	34.7.8	Letters and numerals, cast
34.4.8	Aluminium gas tanks	34.7.9	Letters and numerals, cut from sheet
34.4.9	Container accessories	34.7.10	Anodized and coloured signs
34.4.9.1	Corner fittings for containers	34.7.11	Self-adhesive signs, all types
34.5	Transport aids	34.7.12	Folding display screens
34.5.1	Gantries	34.8	Printing accessories
34.5.2	Access ramps	34.8.1	Aluminium printing inks
34.5.3	Loading rails	34.8.2	Starting material for printing plates
34.5.4	Conveyors made of aluminium extruded sections	34.8.3	Machines for producing offset printing plates
34.6	Aluminium ladders, working platform, scaffolding	34.8.4	Printing plates
34.6.1	Stepladders	34.8.5	Screen printing frames
34.6.2	Builder's ladders, indoor ladders	34.8.6	Embossed aluminium foil
34.6.3	Fire ladders	34.8.7	Aluminium foil, anodized and coloured
34.6.3.1	Portable fireman's ladders	34.9	Structural elements for clarification plant
34.6.4	Quickfit scaffolding	34.9.1	Motor-driven weirs, locks
34.6.4.1	Scaffolding frames	34.9.3	Raking units, skim gates
34.6.4.2	Scaffolding steps	34.9.4	Gratings
34.6.5	Mobile scaffolding	34.9.5	Slide-bars, barriers mobile
34.6.5.1	Façade scaffolding	34.10	Flood protection
34.6.6	Machinery inspection walkways	34.10.1	Dam beams
34.6.6.1	Walkways	2.5	Al · · · · · · · · · · · · · · · · · · ·
34.6.7	Working platforms	35	Aluminium products for motor vehicle
34.6.7.1	Industrial platforms	0.5.1	construction
34.6.8	Cat ladders (for emergencies)	35.1	Cars

35.1.1	Spaceframe structures	35.1.23	Suspension and steering
35.1.2	Bumpers	35.1.23.5	Drop and open-die forgings
35.1.2.1	Profiles for bumpers	35.1.30	Engine
35.1.2.2	Bumper centre beams	35.1.30.1	Cast parts for cars
35.1.3	Sheet and strip for bodywork and interior fittings	35.1.30.1.	Piston
35.1.3.1	Sheet and strip (also surface treated)	35.1.30.2	Components for internal combustion engines
35.1.3.2	Shaped sheet parts / float forming (also surface treated)	35.1.30.2.1	Cylinder sleeves
35.1.3.3	Large-size (aluminium) stampings	35.1.30.2.2	Cylinder heads
35.1.3.4	Entry ledges	35.1.30.2.3	Cylinder blocks
35.1.3.5	Structural components	35.1.30.3	Connecting rods, pins
35.1.10	Decorative trim and parts	35.1.30.4	Blank velves
35.1.10.1	Decorative trim and parts	35.1.30.5	Valve springs, valve spring retainers
35.1.10.1.1	Cover	35.1.30.6	Heat shielding panels
35.1.10.1.2	Rearview-mirror housing	35.1.40	Air conditioning
35.1.10.1.3	Profiles for covering	35.1.40.1	Heat exchanger profiles
35.1.10.1.4	Protective side moulding	35.1.40.2	Radiators
35.1.11	Window frames	35.1.40.3	Oil coolers
35.1.11.1	Profiles for window frames	35.1.40.4	Charge air coolers
35.1.20	Chassis and steering	35.1.41	Air conditioners
35.1.20.1	Wheels, wheel rims	35.1.41.1	Evaporators for air conditioners
35.1.20.3.	Heat protection tubes	35.1.41.2	Condensers for air conditioners
35.1.20.2	Chassis	35.1.41.3	Tubing for air conditioners
35.1.20.2.1	Parts for wheel/axle suspension, Axles	35.1.50	Fuel technology
35.1.20.3	Heat shielding panels for exhaust systems	35.1.50.1	Fuel pumps
35.1.20.4	Steering	35.1.50.2	Fuel coolers
35.1.20.4.1	Steering cardan shafts	35.1.50.3	Fuel filter housings
35.1.20.4.6	Machined and assembled components	35.1.50.4	Fuel pressure regulators
35.1.20.4.2	steering columns	35.1.60	Safety
35.1.20.4.3	adjustable steering column	35.1.60.1	Airbag deflectors
35.1.20.4.4	drive shafts	35.1.60.2	Underride guards
35.1.20.4.5	Drop and open-die forgings	35.1.60.3	Extrusions for side impact protection
35.1.21	Suspension and steering	35.1.60.4	Heat protection tubes
35.1.21.1	Parts for wheel/axle suspension	35.1.60.5	Restraint systems

35.1.70	Interior	35.2.20.1	Wheels, wheel rims
35.1.70.1	Slide rails for seats	35.2.20.2.1	Parts for wheel/axle suspension, Axles
35.1.70.2	Decorative parts	35.2.20.3.	Heat protection tubes
35.1.70.3	Sheet and strip	35.2.20.2	Chassis
35.1.80	Top/roof	35.2.20.3	Heat shielding panels for exhaust systems
35.1.80.1	Hood (bonnet) components	35.2.20.4	Steering
35.1.80.2	Material mounting bracket	35.2.20.4.1	Steering cardan shafts
35.1.80.3	Decorative roof trim	35.2.20.4.6	Machined and assembled components
35.1.80.4	Roof struts and beams	35.2.20.4.2	steering columns
35.1.80.5	Railing systems	35.2.20.4.3	adjustable steering column
35.1.90	Accessories	35.2.20.4.4	drive shafts
35.1.90.1	Miscellaneous	35.2.20.4.5	Drop and open-die forgings
35.2	Trucks / commercial vehicles	35.2.30	Engine
35.2.1	Body	35.2.30.1	Cast engine parts
35.2.1.1	Spaceframe structures	35.2.30.1.1	Aluminium pistons for car engines
35.2.1.2.1	Profiles for bumpers	35.2.30.2.7	Cylinder liners
35.2.1.3.1	Sheet and strip (also surface treated)	35.2.30.2	Components for internal combustion engines
35.2.1.2	Bumpers	35.2.30.2.6	Cylinder heads
35.2.1.2.2	Bumper centre beams	35.2.30.2.5	Cylinder blocks
35.2.1.3.2	Shaped sheet parts / float forming (also surface treated)	35.2.30.3	Blank velves
35.2.1.3	Sheet and strip for bodywork and interior fittings	35.2.30.2.4	Connecting rods, pins
35.2.1.3.3	Large-size (aluminium) stampings	35.2.30.4	Valve springs, valve spring retainers
35.2.1.3.4	Entry ledges	35.2.30.5	Heat shielding panels
35.2.1.4	Structural components	35.2.40	Air conditioning
35.2.10	Decorative trim and parts	35.2.40.1	Heat exchanger profiles
35.2.10.1	Decorative trim and parts	35.2.40.2	Radiators
35.2.10.1.1	Cover	35.2.40.3	Oil coolers
35.2.10.1.2	Rearview mirror housing	35.2.40.4	Charge air coolers
35.2.10.1.3	Profiles for covering	35.2.41	Air conditioners
35.2.10.1.4	Protective slide moulding	35.2.41.1	Evaporators for air conditioners
35.2.11	Window frames	35.2.41.2	Condensers for air conditioners
35.2.11.1	Profiles for window frames	35.2.41.3	Tubing for air conditioners
35.2.20	Chassis and steering	35.2.50	Fuel technology

35.2.50.1	Fuel pumps	35.2.80.9.2	Aluminum fuel tank
35.2.50.2	Fuel coolers	35.2.80.10	Superstructures for transporting beverages in liquid form
35.2.50.3	Fuel filter housings	35.2.80.11	Equipment for service vehicles
35.2.50.4	Fuel pressure regulators	35.2.95	Accessories
35.2.60	Safety	35.2.95.1	Gas bottles
35.2.60.1	Airbag deflectors	35.3	Trailers
35.2.60.2	Underride guards	35.3.1	Transport trailers
35.2.60.3	Extrusions for side impact protection	35.3.2	Boat trailers
35.2.60.4	Heat protection tubes	35.3.3	Horse box trailers
35.2.60.5	Restraint systems	35.4	Boats, ships and accessories
35.2.70	Interior	35.4.1	Lightweight construction elements for boats, ships
35.2.70.1	Slide rails for seats	35.4.8	gangways, hangar doors and winch systems
35.2.70.4	mobile-home equipment	35.4.2	Sailing boat and windsurfer masts
35.2.70.2	Decorative parts	35.4.2.1	Sailing boat and windsurfer mast sections
35.2.70.3	Sheet and strip	35.4.3	Ships' windows
35.2.80	Superstructures	35.4.4	Cast engine parts
35.2.80.1	Tank and silo vehicles	35.4.4.1	Aluminium pistons for big engines (e.g. marine)
35.2.80.2.	Swap tanks	35.4.5	Hatch covers for ocean-going vessels and for inland waterway
35.2.80.3.	Tipper trucks		vessels
35.2.80.5.	Profiles for cold-storage van	35.4.6	Gangways
35.2.80.6.	Van body systems	35.4.7	Floating jetties
35.2.80.8.1	Tailboards, ready to fit	35.5	Rail vehicles and accessories
35.2.80.2	Tank wagon bodies	35.5.1	Heavy sections for railway carriages
35.2.80.8.2	Overlapping side on tail boards	35.5.2	Windows for railed vehicles
35.2.80.3	Tipper truck bodies	35.5.3	Superstructures for railed vehicles
35.2.80.8.	Tailboards, ready to fit	35.5.3.1	Railway carriage superstructures
35.2.80.4	Cattle transporter bodies	35.5.3.2	Tank bodies
35.2.80.5	Refrigerated truck bodies	35.5.4	Braking systems for rail vehicles
35.2.80.6	Box bodies	35.5.5	Accessories
35.2.80.7	Rolling shutters for vehicle bodies	35.5.5.1	Waste bins, ashtrays
35.2.80.8	Tailboard systems	35.5.6	Lighweight construction elements for railway carriages
35.2.80.9	Aluminium containers for commercial vehicles	35.6	Aircraft components
35.2.80.9.1	Aluminum compresses-air reservoir	35.6.1	Special semis

35.6.2	Castings	36.1.3.3	Foil laminated with cellulose film
35.6.2.1	Aluminium pistons	36.1.3.4	Foil laminated with three or more layers
35.6.3	Drop and open-die forgings	36.1.3.5	Cigarette foil (laminated, metallized)
35.6.4	Sandwich panels with aluminium honeycomb cores	36.1.10	Thin aluminium strip (0.021 to 0.25 mm thick)
35.6.5	Wheels for sporting aircraft	36.1.10.1	Bare thin strip
35.6.6	Precision parts for aviation and aerospace	36.1.11	Thin strip with surface treatment, general
35.6.7	Tubes for kites	36.1.11.1	Thin strip with surface treatment, lacquered or painted
35.7	Bicycles / motorcycles	36.1.11.2	Thin strip with surface treatment, coated
35.7.1	Bicycles	36.1.11.3	Thin strip with surface treatment, printed
35.7.1.1	Bicycle parts	36.1.11.4	Thin strip with surface treatment, brush-finished one side
35.7.1.2	Bicycle frames	36.1.11.5	Thin strip with surface treatment, brush-finished both sides
35.7.1.3	Bicycle carriers	36.1.11.6	Embossed thin strip with a surface finish
35.7.2	Motorcycles	36.1.12	Composite material (laminated)
35.8	Equipment for handicapped people	36.1.12.1	Push-through packaging
35.8.1	Wheelchairs	36.20	Aluminium packaging sheet
35.8.1.1	Wheelchair parts	36.20.1	Packaging sheet, general
35.8.2	Rehabilitation equipment	36.20.2	Packaging sheet, bare and untreated
	• •	36.20.3	Packaging sheet, lacquered or painted
36	Packaging with aluminium	36.20.4	Packaging sheet, coated
36.1	Packaging materials	36.20.5	Packaging sheet, printed
36.1.1	Aluminium foil	36.20.6	Packaging sheet, degreased and surface treated
36.1.1.1	Bare foil	36.25	Other packaging materials
36.1.1.2	Aluminium foil from 4 to 20 microns thick	36.25.1	Plastic film metallized with aluminium
36.1.1.3	Aluminium foil from 5 to 20 microns thick	36.25.2	Paper metallized with aluminium
36.1.2	Foil with a surface treatment, general	36.50	Packaging materials, packaging aids, transportable containers
36.1.2.1	Foil with a surface treatment, lacquered or painted	36.50.1	Packaging made of foil or thin strip
36.1.2.2	Foil with a surface treatment, printed	36.50.1.1	Wrappers, general
36.1.2.3	Foil with a surface treatment, coated	36.50.1.2	Wrappers for baked goods and sweets
36.1.2.4	Foil with a surface treatment, embossed	36.50.1.3	Wrappers for dairy products
36.1.2.5	Self-adhesive foil	36.50.1.4	Wrappers for coffee, tea and cacao
36.1.3	Composite foil (laminated), general	36.50.1.5	Wrappers for food
36.1.3.1	Foil laminated with paper	36.50.1.6	Wrappers for edible fats (margarine etc.)
36.1.3.2	Foil laminated with plastic	36.50.1.7	Wrappers for industrial chemical products

36.50.2	Foil pouches, general	36.60.2	Tube closures
36.50.2.1	Sterilisation pouches	36.60.3	Free-standing bags and pouches
36.50.3	Foil labels, general	36.60.4	Aerosol cans, general
36.50.3.1	Simple foil labels	36.60.4.1	One-piece cans
36.50.3.2	Self-adhesive foil labels	36.60.4.2	Two-chamber pressure packs
36.50.3.3	Botle neck foil	36.60.4.3	Pressure vessels
36.50.4	Capsules, general	36.60.5	Small aluminium shells and tubes, general
36.50.4.1	Bottle caps	36.60.5.1	Small tubes for tablets
36.50.4.2	Tailored capsules	36.60.5.2	Cigar tubes
36.50.4.3	Wrapping material for bottle tops	36.60.5.3	Sliding sleeves
36.50.5	Light rigid containers in aluminium (e.g. for baking trays, TV	36.60.5.4	Other impact-extruded containers
	dinners, delicatessen, specialty foodstuffs)	36.60.5.5	Cartridges
36.50.6	Foil stampings	36.60.5.6	Aluminium shells
36.50.7	Laminate tubes	36.60.5.7	Two-component cartridges
36.55	Aluminium cans	36.60.6	Aluminium bottles, general
36.55.1	Aluminium cans (rigid design, all-aluminium), general	36.65	Aluminium closures
36.55.1.1	Beverage cans	36.65.1	Bottle closures for still drinks, general
36.55.1.2	Fish cans	36.65.1.1	Bottle caps for milk and milk drinks
36.55.1.3	Meat cans	36.65.1.2	Tear-off caps (centre or edge tabs)
36.55.2	Aluminium cans (semi-rigid design, aluminium-plastic composite)	36.65.1.3	Push-through caps
36.55.2.1	Fish cans	36.65.1.4	Pilfer-proof closures
36.55.2.2	Meat cans	36.65.1.5	Screw closures
36.55.2.3	Other food cans	36.65.1.6	Closures for wide-necked containers
36.55.2.4	Beverage packaging	36.65.2	Bottle closures for fizzy drinks, general
36.55.3	Deep-drawn aluminium cans, general, for food and non-food	36.65.2.1	Roll-on closures
36.55.4	Cans for cosmetic and pharmaceutical creams	36.65.2.2	Tear-off closures
36.55.5	Other cans	36.65.3	Closures for use with preserving jars on a commercial scale,
36.55.5.1	Jewel boxes		general
36.55.6	Boxes with sliding trays	36.65.3.1	Vacuum closures
36.55.7	Powder compacts	36.65.4	Can closures
36.55.8	Aerosol cans	36.65.4.1	Seamed lids
36.60	Impact extruded packaging	36.65.4.2	Tear-off lids
36.60.1	Tubes	36.65.4.3	Sealing membranes

36	5.65.4.4	Heat-sealable container lids	37.1.6	Tableware
36	5.70	Wire for use in packaging	37.1.7	Baking dishes, baking hoods
36	5.70.1	Wire for use in packaging, general	37.1.8	Drinking mugs
36	5.70.2	Wire for PVD (physical vapour deposition)	37.1.9	Trays
36	5.70.3	Stitching wire (e.g. for tea-bags)	37.1.10	Camping utensils
36	5.70.4	Wire for clips (e.g. for packaging sausage and cheese)	37.1.10.1	Beverage bottles
36	5.70.5	Binding wire	37.1.11	Water bottles
36	5.70.6	Fine wire for braiding and decorative cords	37.1.12	Lunchboxes and storage tins
36	5.75	Heavy packaging	37.1.13	Kitchen utensils, general
36	5.75.1	Transport boxes and chests, all-aluminium, general use	37.1.13.1	Shakers
36	5.75.1.1	Transport boxes and chests, all-aluminium, special construction	37.1.14	Equipment for large-scale kitchens and butcher's shops
		for particular equipment	37.1.15	Cooking-fat filters
36	5.75.1.2	Folding boxes	37.1.16	Champagne cooler
36	5.75.1.3	Inserts for boxes and chests, machine parts	37.1.1 <i>7</i>	Field kitchens, mobile cooking equipment
36	5.75.2	Composite transport boxes and chests (aluminium and plastic)	37.1.18	Equipment and systems for catering, cafeterias and canteens
36	5.75.3	Barrels and drums	37.2	Household goods
36	5.75.3.1	Transport barrels and drums	37.2.1	Kitchen foil
36	5.75.4	Pots, big bottles	37.2.2	Aluminium cases
36	5.75.4.1	Other pots for transport	37.2.3	Camera cases
36	5.75.4.2	Big bottles	37.2.4	Picture rails and frames
36	5.75.5	Cuboidal containers	37.2.5	Household goods, general
36	5.75.5.1	Cuboidal containers for granules	37.2.6	Camp beds
36	5.75.6	Composite bags and pouches, general	37.2.7	Equipment handles for cleaning systems
36	5.75.7	Toggle-type closures for boxes, chests and drums	37.3	Garden goods
			37.3.1	Garden furniture
37	7	Aluminium products for the kitchen, household, garden, hospital	37.3.2	Large retractable hoods and shades
		and rescue ware	37.3.3	Handles for gardening equipment
37		Kitchen equipment	37.4	Hospital requisites, ergotherapy an rehab equipment
	7.1.1	Catering cutlery	37.4.1	Stretchers for rescue and for general hospital use
	7.1.2	Cookware	37.4.2	Access ramps, Bridging Spans
	7.1.3	Pressure cookers	37.10	Interior decoration
	7.1.4	Frying pans	37.10.1	Furniture making
37	7.1.5	Roasting pans	37.10.1.1	Aluminium furniture systems

37.10.2	Furniture design	40.2.2	Chromic acid anodizing
37.10.3	Lighting fixtures made of aluminium	40.2.3	Spraying and stoving applications
		40.3	Colour anodizing, immersion dyeing
38	Aluminium sporting equipment and components	40.3.1	Dip colouring
38.1	Goalposts	40.3.2	Electrolytic colouring
38.2	Tennis rackets	40.3.4	Combination colouring
38.3	Umpires`chairs	40.3.5	chemical black paint of copper and brass
38.4	Sticks	40.4	Hard anodizing
38.4.1	Ski sticks	40.4.1	Partial hard anodizing
38.4.2	Walking-/ Nordic walking sticks	40.4.2	Hard coat / slip coat
38.5	Equipment for equestrian events	40.5	Chromium plating
38.6	Trainer's rooms	40.5.1	Black chrome-plating
38.7	Grandstands	40.5.2	Matt chrome-plating
		40.5.3	Bright chrome-plating
39	Aluminium components for engineering, precision mechanics,	40.5.4	Hard chromium plating
	optics	40.5.5	Velour-chrome plating
39.1	V-belt pulleys	40.6	Partial electroplating
39.2	Aluminium honeycomb impact-absorption elements	40.7	Chemical (non electrical) nickel plating
39.3	Systems and components for supports and devices for machines	40.7.1	Partial chemical (non-electrolytic) nickel-plating
39.3.1	Milled parts (to drawing)	40.7.2	Chemical (electroless) nickel-plating and annealing
39.3.2	Aluminium profiles	40.8	Coating
39.3.3	protection device for mechanical engineering	40.8.1	Lacquering and painting
39.4	Linear bearings, shafts and tables, roller-gear tables, positioning	40.8.4	Liquid painting
	elements	40.8.5	CDP-coating
39.4.1	Jigs and fixtures for holding workpieces	40.8.2	Metallic coatings
39.5	Compressed air distribution systems	40.8.3	chrome-free passivating
39.6	Hydraulic and pneumatic tubes	40.9	Enamelling
39 <i>.</i> 7	Piston rods for hydraulic and pneumatic systems (Kempal)	40.10	Treatment in drums (electroplating)
40		40.11	Treatment in drums (anodizing)
40	Special surface treatment for aluminium products	40.12	Lubricating coating
40.1	Brightening	40.13	Non-stick coatings
40.2	Anodizing	40.13.1	Mould coatings
40.2.1	Protective anodizing	40.14	Composite coating

40.14.1 40.15 40.15.1 40.15.2 40.15.2.1 40.15.2.2 40.15.3 40.15.3.1 40.15.3.2 40.15.3.3 40.15.4 40.15.5 40.15.5.1	Multi-purpose coatings Rack processing Rack processing (up to 800mm) Electroplating (nickel) Electroplating (nickel), very bright Electroplating (nickel), matt Tin plating Tin plating, bright Tin plating, matt (highly solderable) Tin-Cobalt (chrome-substitute) Copper plating Brass-plate glossy + ground brass-plate  Plant, machines and auxiliary equipment for,	60.2 60.2.1 60.2.2 60.2.3 60.2.4 60.2.5 60.2.6 60.2.7 60.2.8 60.2.9 60.2.10 60.2.11 60.2.12 60.2.13 60.2.14 60.2.15	Primary aluminium production Computer systems for production control Potroom operating equipment Pot charging devices Electrolysis plant Anode and cathode manufacturing plant Prebaked anode manufacturing plant Conveyor and cleaning plant for electrodes Plant and equipment for packaging prebaked anodes Cathode- and side-blocks Ramming and sealing paste Luting compounds and binders Cathodes Conveyor systems for bulk goods Anode breakers and stripping equipment Break-out machines for old pots
60 60.1 60.1.1 60.1.2 60.1.2.1 60.1.2.2 60.1.3 60.1.4 60.1.5 60.1.5 60.1.6 60.1.7 60.1.8	extracting, forming and finishing aluminium, tolling jobs  Equipment and accessories for raw materials processing and aluminium extraction Aluminium oxide fabrication Conveyor systems for bulk goods Dust extraction systems Industrial aspirators Installations for filtering swarf Bauxite mills, sieves and mixers Pumps Filtering plant Installations for filtering swarf Calcining kilns Thickeners for red mud and hydrates Silos for aluminium oxide	60.2.16 60.2.17 60.2.18 60.2.19 60.2.20 60.2.21 60.2.22 60.2.23 60.2.24 60.2.25 60.3 60.3.1 60.3.2 60.3.3 60.3.4 60.3.4.1 60.3.4.2	Suction-type metal collectors Melt purification devices Cast-iron block moulds Aluminium-melt testers Pig casting machines, carousel type Ingot stacking machines Compressors and fans of all types Rotary blowers Temperature-measuring devices Block transport clamps Secondary aluminium production, recycling Dross preparation plant Shredders Drying plant for aluminium swarf Processing plants, swarf mills Recycling plant for aluminium swarf Recycling plant for aluminium dross

60.3.5	Baling presses	61.1.20	Refractory insulating products/insulating materials
60.3.6	Briquetting machines for swarf	61.2	Melt treatment, melt transport
60.3 <i>.</i> 7	Equipment for recycling beverage cans	61.2.1	Equipment for rabbling dross
60.3.8	Ingot casting machines	61.2.2	Melt treatment devices
60.3.9	Shears	61.2.3	Gas injection lances and gas distributors
		61.2.4	Degassing containers
61	Equipment and accessories for melting,	61.2.5	Filters and filter materials for melts
	casting and heat treatment	61.2.5.1	Sintered metal filters
61.1	ŭ	61.2.6	Ceramic filters
61.1.1	Building and conversion of industrial furnaces	61.2.7	Woven filters
61.1.1.1	Automation and control systems	61.2.8	Refining, fluxing and covering salts
61.1.2	Melting furnaces	61.2.9	Exothermic products
61.1.3	Burnout furnaces	61.2.10	Degassing and purification agents
61.1.4	Holding furnaces	61.2.11	Modifiers and grain refiners
61.1.5	Casting furnaces	61.2.12	Melt testing equipment
61.1.5.1	Dosing furnaces	61.2.13	Dosing and transport equipment for aluminium melts
61.1.6	Heat treatment furnaces and equipment	61.2.13.1	Flexible laundar joint
61.1.6.1	Annealing furnaces	61.2.14	Transport containers for molten aluminium
61.1.6.2	Ageing furnaces and equipment	61.2.15	Insulating covers for molten metal containers
61.1 <i>.7</i>	Scrap pre-heating systems	61.2.16	Wear-resistant pumps for NF metals
61.1.8	Furnace charging equipment	61.2.17	Nitrogen-fed agitators for NF-metals
61.1.9	Electric heating elements	61.2.18	Injection machines for metal powder, alloying method
61.1.10	Blowers for casting furnaces	61.2.19	Cooling, general
61.1.11	Industrial burners	61.3	Shape casting
61.1.12	Refractory engineering	61.3.1	Continuous casting machines
61.1.13	Refractory bricks	61.3.2	Strip-casting machines
61.1.14	Ramming, casting, gunning and repair compounds	61.3.3	Strip casters
61.1.15	Insulating bricks and slabs	61.3.4	Continuous casting lubricants
61.1.16	Gunning machines for heat-resistant compounds	61.3.4.1	Bone ash
61.1.17	Thermo elements	61.3.4.2	Charcoal
61.1.17.1	Heating coils	61.3.4.3	Lauric acid
61.1.18	Energy recovering units	61.3.5	Spray-compacting units
61.1.19	Process control for industrial furnaces	61.3.6	Metal level control systems for automatic billet casting machines

61.3.7	Block transport clamps	61.4.19	Mould cooling equipment
61.3.8	Rotary casters for narrow strip	61.4.20	Pressure die-casting mould release agents and lubricants
61.3.9	Roll-casters for wide strip	61.4.21	Pressure die-casting piston lubricants
61.3.10	Equipment for casting pigs and sows	61.4.22	Semi- and fully automatic lubricant spraying equipment for pres-
61.3.11	DC casting moulds and tables		sure die-casting moulds and pistons
61.4	Mould casting	61.4.22.1	Dust and fume extraction equipment for pressure die-casting
61.4.1	Melting crucibles and furnaces		machines die-casting machines
61.4.2	Pouring ladles	61.4.23	Toolmaking, construction of equipment, dies and moulds
61.4.3	Heating equipment for pouring ladles	61.4.24	CAD/CAM systems for casting-mould production
61.4.4	Moulding machines and equipment for sand casting	61.4.25	Hot-working steels for die-making
61.4.5	Core moulding machines and equipment	61.4.25.1	Cold work steels
61.4.5.1	Decoring machines	61.4.26	Ejector pins
61.4.6	Parting agent spraying equipment for moulding and core moul-	61.4.27	Temperature measuring equipment
	ding machines	61.4.27.1	Protective tubes for thermocouples
61.4.7	Binders for mould and core materials	61.4.28	Aluminium-melt testers
61.4.8	Sand conditioning and reconditioning plants	61.4.28.1	Equipment for measuring the hydrogen content of aluminium
61.4.8.1	Equipment for testing sand cores		melts
61.4.8.2	Core gas measuring instrument	61.4.28.2	Equipment for measuring the cleanliness of aluminium melts in
61.4.9	Permanent mould casting machines and carousels		aluminium melts
61.4.10	Low-pressure die-casting machines	61.4.29	Equipment for fettling castings
61.4.10.1	Moulds	61.4.30	Equipment for impregnating castings
61.4.11	Casting dies and moulds	61.4.31	Dust removal and filtering equipment
61.4.11.1	Cleaning units for foundry tools and moulds	61.4.32	Software for solidification simulation
61.4.11.2	Foundry accessories	61.4.33	Casting sealing compounds
61.4.12	Riser tubes for low-pressure die-casting machines	61.4.34	Fluxes
61.4.12.1	Dosing riser tubes	61.4.35	Afterburning of noxious gases resulting from production proces-
61.4.12.2	Dosing systems		ses
61.4.13	Die and mould washes	61.4.36	Flaring devices
61.4.14	Pressure die-casting machines	61.4.37	Installation for cooling castings
61.4.15	Pistons and components for pressure die-casting machines	61.4.38	Resistance thermometer
61.4.16	Equipment for vacuum die-casting	40	
61.4.17	Automation equipment	62	Equipment and accessories for rolling mill technology
61.4.18	Flash trimming equipment	62.1	Hot-rolling mills

62.28.1	Transporters for coils and sheet	62.26	Used rolling mill equipment
62.2	Cold-rolling mills	62.27	Cooling, general
62.2.1	Continuous strip treatment lines	62.27.1	Coolant filtration
62.2.2	Inductive strip heating plant	62.28	Coils storage systems
62.3	Foil mills		<b>3</b> /
62.4	Wire mills	63	Equipment and accessories for extrusion and drawing
62.5	Rolls	63.1	CAD/CAM systems for die production
62.5.1	Foil rolling	63.1.1	Pickling equipment for extrusion dies, integrated into the produc-
62.5.2	Engraved embossing rolls		tion line
62.6	Embossing calenders	63.2	Inductive heating equipment
62.7	Electrical equipment	63.2.1	Rapid magnetic heating equipment
62.7.1	Mechanical equipment	63.2.2	Die heating
62.8	Electric and hydraulic control equipment	63.3	Fuel-fired heating equipment
62.9	Thickness gauges	63.3.1	Ingot transport equipment
62.10	Ingot scalping machines	63.3.2	Ingot storage installations
62.11	Ingot saws	63.4	Extrusion, extrusion presses
62.12	Slab saws	63.4.1	Billet containers
62.13	Edge-trimming, cropping and chopping machines	63.4.2	Billet containers heatings
62.13.1	Cutting knives for slitters and cut-to-length lines	63.5	Hot billet shears
62.14	Levellers for sheet and coil	63.6	Extrusion dies
62.14.1	Sheet and plate stretchers	63.6.1	Equipment for splitting extrusion tooling
62.15	Slitters and cut-to-length lines	63.6.2	Nitriding of extrusion dies
62.16	Foil-cutting equipment	63.7	Automatic polishing machines for extrusion dies
62.17	Packing machines for sheet and coils	63.8	Run-out tables
62.18	Hydraulic coilers	63.9	Pullers
62.19	Roll grinding machines	63.10	Cutting equipment, trimming saws, billet saws
62.20	Filtering plant for rolling oils and emulsions	63.10.1	Precision circular saws for metals
62.20.1	Filter media (Paper & Aids)	63.11	Transfer devices
62.21	Automation equipment	63.12	Roller guideways
62.22	Roll cooling equipment	63.13	Stretchers
62.23	Measurement and testing systems	63.14	Straightening machines for tubes and sections
62.24	Control systems and automation	63.15	Straightening equipment for wire, rod and strip
62.25	Rolling oils	63.16	Cut-to-length saws
	-		

63.17	Conform plants	64.11	Used forging and impact extrusion equipment
63.18	Dies for Conform plant	64.12	Cable-sheathing presses, cable sheath corrugators
63.19	Drawing machines (rods and bars, wire)	64.13	Spraying equipment and equipment for constructing jigs and
63.20	Dies		fixtures
63.20.1	Drawing dies		
63.20.2	Extrusion dies	65	Equipment and accessories for sheet forming
63.20.2.1	Coated Extrusion dies	65.1	Production lines for ready-to-use sheet metal components
63.21	Cutting equipment on drawing machines	65.2	Mechanical and hydraulic sheet shears
63.22	Transfer devices on drawing machines	65.3	Circular shears
63.23	Drawing lubricants	65.4	Bending presses
63.24	Drawing die orifices	65.4.1	Folding and bending tooling
63.25	Electrical and hydraulic controls	65.5	Serial stamping machines
63.25.1	Water hydraulics / hfa	65.6	Cutting and stamping tools
63.26	Automation equipment	65.7	Press bending machines
63.27	Conveyors for collecting baskets	65.8	Roller bending and sheet bending machines
63.28	Pointing machines	65.9	Strip profiling machines
63.29	Billet-insertion machines	65.9.1	Roll-forming plant
63.30	Used extrusion and deep-drawing equipment	65.10	Section bending machines
63.31	Layer coiler(s) for aluminium tube	65.11	Metal spinning machines
63.32	Homogenising plants	65.12	Hydraulic deep-drawing presses
63.33	Extrusion Process Automation	65.13	Mechanical deep-drawing presses
		65.14	Multi-stage presses
64	Equipment and accessories for forging and impact extrusion	65.15	Trimming machines for deep-drawn components
64.1	Inductive heating equipment	65.16	Strip coiling machines
64.2	Crank and knuckle-joint presses	65.16.1	Coil grabs
64.3	Screw presses	65.16.2	Coil storage systems
64.4	Hydraulic presses	65.17	Standard parts for moulds and tooling
64.5	Impact extrusion presses	65.18	Lubricants for deep drawing
64.6	Forging dies and accessories	65.19	Punching and nibbling machines
64.7	Impact extrusion press tooling, accessories	65.20	CAD/CAM systems
64.8	Lubricants for cold impact extrusion	65.21	Used sheet-forming equipment
64.9	Lubricants for hot forming	65.22	Cutting systems
64.10	Handling equipment and manipulators	65.22.1	Tube and section stamping machines
3 3		00.22.1	and seemen stamping machines

65.22.2	Tube and section cropping machines	67.1.9	Dust and fume exhaust systems for scalpers and saws
		<i>67</i> .1.10	Machining software
66	Equipment and accessories for sawing and cutting	67.1.11	Sawing plants
66.1	Circular saws	67.2	Tools
66.2	Metal slitters	67.2.1	lathe tools
66.3	Circular saw blades	67.2.2	Milling tools
66.4	Band saws for metals	67.2.3	Drills
66.4.1	Bandsaws for slitting	67.2.4	Taps and dies for thread-cutting
66.4.2	Ingot bandsaws for casthouses	67.2.5	Precision-finishing tools
66.4.3	Horizontal bandsaws	67.2.6	Carbide-tipped cutting tools
66.5	Saw blades	67.2.7	Diamond-tipped cutting tools
66.5.1	Bandsaw blades	67.2.8	High-speed steel cutting tools
66.6	Parting shears	67.2.9	Shredding systems
66.7	Parting machines using abrasive discs	67.3	Machining aids
66.8	Strip slitters with multiple circular knives	67.3.1	Cooling lubricants
66.9	Shear blades and knives	67.3.1.1	Coolant cleaning equipment
66.10	Solid lubricants for sawing	67.3.2	Special accessories
66.11	Ingot saws	67.3.3	Low-dose lubricating systems and high performance lubricants
66.12	Water-jet cutting equipment	67.3.4	Materials for the care of tools
66.13	Laser cutting equipment	67.4	Clamping devices and components
66.14	Minimal-lubrication systems for saws	67.5	NC programming and control systems
66.15	Spray lubricants		,
		68	Equipment and accessories for metal fabricators
67	Equipment and accessories for machining	68.1	CAD systems
67.1	Machines	68.2	Portable circular saws for metal
67.1.1	Lathes and automatic lathes	68.3	Fixed circular bevelling saw
67.1.2	Drilling and boring machines	68.3.1	Double mitre saws
67.1.3	Milling machines	68.4	Copy milling of extruded sections
67.1.4	Grinding machines	68.5	Release devices, mechanical
67.1.5	Precision-finishing machines	68.6	Release devices, hydraulic
67.1.6	Special-purpose machines	68.7	Drilling and combined drilling/milling machines
67.1.7	High-speed machine tools	68.8	Corner jointing machines
67.1.8	Machining centres, CNC	68.9	Combined drilling and stamping machines

68.9.1	Tube stamping machines	69.1.3	Ultrasonic cleaning equipment
68.10	Tools	69.1.4	Plant and processes for improving adhesion
68.11	Assembly aids	69.1.5	Facade cleaning products
68.11.1	Adjustment keys, glazing blocks, rebated inserts of tempered	69.1.6	Low-temperature ovens for drying
	safety glass	69.1 <i>.</i> 7	Drying plant
68.11.2	Machines and equipment for assembling windows and windows	69.2	Mechanical surface treatment
	elements	69.2.1	Grinding and polishing machines
68.11.3	PUR foam in spray cans	69.2.1.1	Centrifugal grinding machines
68.12	Plate saws	69.2.1.2	Drag finishing machines
68.13	Bending equipment	69.2.2	Grinding and polishing machines for strip
68.14	Straightening machines	69.2.3	Grinding and polishing compounds
68.15	Tube flaring machines	69.2.4	Polishing pastes
68.16	Tube bending machines	69.2.5	Fibre-tufted round brushes
68.16.1	End-machining units	69.2.6	Discs and brushes, deburring brushes
68.16.2	End-bending units	69.2.7	Contact discs
68.17	Cast glass, fire-resistant glass, insulating and safety glass	69.2.8	Polishing rings
68.19	Sponge rubber	69.2.9	Drum equipment and plant
68.19.1	Seals and sealing	69.2.10	Vibratory machines
68.20	Equipment and accessories for roofing work	69.2.11	Drum polishing materials
68.20.1	Inclined hoists	69.2.12	Brushing machines
68.20.2	Hoists	69.2.13	Marbling tools
68.20.3	Working platforms	69.2.14	Grinding discs
68.20.4	Mobile cranes	69.2.15	Satin-finishing discs and belts
68.20.5	Skylights giving access to the roof	69.2.16	Endless abrasive belts
68.20.6	Roof ladders	69.3	Sand- and shot-blasting
68.20.7	Chimney scaffolding	69.3.1	Blasting equipment, processes
68.21	Storage systems	69.3.1.1	Sandblasting cabins
40		69.3.1.2	Dry ice blasting equipment
69	Equipment and accessories for surface treatment	69.3.2	Blasting abrasives
/O 1	and corrosion protection	69.3.2.1	Stainless steel blasting grit
69.1	Surface cleaning and degreasing	69.3.3	Auxiliary materials
69.1.1	Cleaning equipment and materials	69.4	Flame spraying
69.1.2	Degreasing equipment and materials	69.4.1	Spray wire

69.4.2	Sprayed coatings on aluminium (for wear protection)	69.9.6	Electrical equipment
69.4.3	Sprayed aluminium-on-steel coatings	69.9.7	Clamps
69.5	Chemical conversion coating, chromating, phosphating	69.9.8	Jigs
69.5.1	Equipment	69.9.8.1	Multi-purpose jigs
69.5.1.1	Equipment integrated into the production line	69.9.8.2	Jig elements
69.5.2	Processes	69.9.8.3	Wheels
69.5.3	Auxiliary materials	69.9.9	Touch-ups and sprays for improving anodized surfaces
69.6	Pickling, etching	69.10	Electroplating
69.6.1	Equipment	69.10.1	Equipment
69.6.1.1	Equipment integrated into the production line	69.10.1.1	Low-temperature ovens for drying
69.6.2	Processes	69.10.1.2	Electrical rectifying equipment
69.6.3	Auxiliary materials	69.10.2	Processes
69.7	Brightening, chemical and electrochemical	69.10.3	Auxiliary materials
69.7.1	Equipment	69.10.3.1	Hoods for covering electroplating baths
69.7.1.1	Equipment integrated into the production line	69.10.3.2	Guides for wire
69.7.1.2	Electrical rectifying equipment	69.11	Painting, stove enamelling, coating
69.7.2	Processes	69.11.1	Equipment, processes
69.7.3	Accessories	69.11.1.1	Coil coating units
69.8	Deburring	69.11.2	Priming, wash primers
69.8.1	Equipment and processes for mechanical deburring	69.11.2.1	Mixing and dosing equipment
69.8.2	Equipment and processes for chemical or electrochemical debur-	69.11.3	Paints, lacquers
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69.8.3	Equipment and processes for thermal deburring	69.11.4	Coating powders
69.8.4	Auxiliary materials	69.11.5	Coil coating paints
69.9	Anodic oxidation, colour anodizing, combination colouring	69.11.6	Anti-friction coatings
69.9.1	Equipment	69.11.7	Chemicals, auxiliary materials
69.9.1.1	Electrical rectifying equipment	69.11.8	Dipping paints and varnishes, clear and pigmented
69.9.1.2	Process control, colour appliances and rectifier for aluminium	69.11.9	Drying ovens
	anodisation	69.11.10	Paint dosing pumps
69.9.2	Processes	69.12	Enamelling
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69.9.4	Dyes, finishing materials	69.12.2	Auxiliary materials
69.9.5	Scale inhibitors	69.13	Non-metallic coatings of rubber, synthetic resin, etc.

69.13.1	Equipment, processes	70.3.1	Fluxes
69.13.2	Auxiliary materials	70.3.2	Brazing furnaces
69.14	Vapour deposition of aluminium	70.3.3	Brazing solders
69.14.1	Wire for PVD (physical vapour deposition)	70.3.4	Soft solders
69.15	Other accessories for surface treatment	70.4	Fusion welding
69.15.1	Protective foil	70.4.1	Equipment and apparatus for fusion welding
69.15.2	Disinfectants and germicides	70.4.1.1	Welding fume extraction, extractor hoods
69.15.3	Peel-off protective films	70.4.2	Welding transformers, generators and rectifiers
69.15.4	Metal marking equipment	70.4.2.1	Welding generators
69.16	Plant engineering for hard anodizing and electroless nickel-	70.4.2.2	Welding rectifier
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69.16.1	Hard anodizing, plants	70.4.4	Plasma cutting and welding equipment
69.16.2	Non-electrolytic nickel-plating plant	70.4.5	Fluxes
		70.4.6	Welding rods for gas and TIG welding
70	Equipment and accessories for joining	70.4.7	Wire electrodes for MIG welding
<i>7</i> 0.1	Adhesive bonding	70.4.8	Aluminium electrodes for manual arc welding
<i>7</i> 0.1.1	Equipment and devices for applying adhesives	70.4.9	Tungsten electrodes
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<i>7</i> 0.1.5	Pressure-sensitives adhesives, adhesive foils	70.4.12.1	Protective curtains for welding
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<i>7</i> 0.1.8	Refractory adhesives	70.4.13	Welding Burner
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70.6.4	Strip welding equipment, coil-to-coil	70.12.4	Chromium-nickel steel cotter pins
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70.8.3	Condenser discharge machines (point ignition)	70.14	Joining by forming
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70.10	Rivets	70.15.2	Beading tools
70.10.1	Solid and hollow rivets	70.15.3	Bolts, step bolts, nuts, pins, bushes, sleeves, sleeves nuts
70.10.2	Tools for blind riveting	70.15.4	Riveting nuts
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70.10.4	Blind rivets	71	Equipment and accessories for foil processing, foil conversion
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71.1.13	Other production machines	71.2.4.4	Stretching equipment for aluminium foil and strip
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Samplers Planning, design, software Plant

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90.4	Contract research	92.3.3	Marketing, sales promotion, direct advertising
90.5	Engineering	92.4	Fairs, exhibitions, events
90.5.1	Rapid prototyping technology		
90.10	Design	93	Technology transfer
90.10.1	Advice on design, layout, shape and form.		
90.20	Advice on trade shows and exhibitions	94	Training and further development
		94.1	Off-site training institutes
91	Experts opinions		
91.1	Testing institutes		
91.2	Assessors		

#### Order form

#### The ADVERTORIAL

- 1/4 page 4-coloured (Text max. 180 characters including spaces) **EUR 490**
- 1/2 page 4-coloured (Text max. 380 characters including spaces) **EUR 820**
- 1/1 page 4-coloured (Text max. 750 characters including spaces) **EUR 1,590**
- Company
- Address
- Country Phone:

Postcode, City,

No.:

Contact:

- Fax:
- E-Mail:
- Internet:
- Contact:
  - 1.
  - 2. 3.
  - 9. 4.
  - 5. 10.
- City/Date:

#### The PRINT + ONLINE COMBINATION

Cover pages 2, 3, 4 (117 mm x 172 mm) + Skyscraper each EUR 2,370

+ Skyscraper

EUR 2,500

2-sided bound-in-insert

- 1/1 page 4c  $(112 \text{ mm} \times 172 \text{ mm})$ + Skyscraper **EUR 2,220**
- 1/2 page 4c (117 mm x 84 mm) + Skyscraper **EUR 1,430**
- 1/4 page 4c (58 mm x 85 mm) + Skyscraper
- **EUR 1,090**
- Bookmark + Skyscraper Booking costs (complete delivery) **EUR 2,270**

#### The COMPANY ENTRY - PRINT + ONLINE COMBINATION

4-sided bound-in-insert

+ Skyscraper

**EUR 2,850** 

- **KomfortPlus** Premium Price per entry for 1 year Price per entry for 1 year **EUR 185 EUR 205**
- **PremiumPlus** Price per entry for 1 year **EUR 215**
- Your print entry is included additionally free of charge on USB Version and online: www.Alu-Lieferverzeichnis.de/en

#### Our Representatives

Bavaria, Berlin, Brandenburg, Bremen, Hamburg, Lower Saxony, Mecklenburg-Western Pomerania, North Rhine-Westphalia, Saxony, Saxony-Anhalt, Schleswig-Holstein, Thuringia, Belgium, The Netherlands, Luxembourg, France, Austria, Switzerland, Scandinavia, Great Britain

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