

Catalogue of product groups - Layout of product group key

	Main group products
1 . . .	Utilities, supplies and operating resources
2 . . .	External services
3 . . .	Semi-finished products and raw parts
4 . . .	DIN- and standard parts
5 . . .	Electronic parts
6 . . .	External production parts (design)
7 . . .	External machines, components + subsections
9 . . .	Investments

The main sub-division for product groups to be purchased is demonstrated by the digits 2-4 of the product group key.

		2	3	2	3
e.g.: group keys for tempering					
Position 1	Main product group				
	(External products)				
Position 2	Product group				
	(Comission processing)				
Position 3	Further classification of product group				
	(Heat treatment)				
Position 4	Specified itemisation				
	"Tempering"				

Reference:
 Those groups in the list, which are highlighted in grey are for internal summarization of categories only and should not be used in the registration process.

Category	Category name
1000	Utilities, supplies and operating resources
1100	Tools
1110	Machine tools
1111	Endmills
1112	Carbide tools
1113	Drills, reamers, taps
1114	Grinding/polishing tools
1115	Cutting tools
1116	Saws and woodworking tools
1117	Calibrating tools
1119	Other machine tools
1120	Hand tools
1121	Equipment for tool containers
1122	Tool sets (for order / service)
1123	Screwdrivers
1124	Gripper, cutting and striking tools
1125	Electronic and pneumatic tools
1126	Slings
1129	Other hand tools
1130	Measuring tools
1140	Clamping tools
1190	Other tools
1200	Chemical products
1210	Paints and varnishes
1220	Oils, greases, coolants, cleaning agents, sealants and adhesives
1221	Oils, fats and fluids
1222	Detergents
1223	Sealing and adhesives
1224	Cooling fluids
1229	Other oils, fats, coolants and detergents, sealing and adhesives
1280	Plastics (granulate)
1290	Other chemical products
1300	Energy
1310	Electricity
1320	Gas
1321	Heating gas
1322	Technical gases (bottle & tank)
1324	Propane
1340	Heating oil and diesel fuel
1390	Other energy
1400	Welding technology, general
1410	Welding technology, general
1500	Work protection & hygiene
1510	Protective work wear
1520	Occupational safety gear
1521	Head and hearing protection
1522	Eye and respiratory protection

1524	Hand protection
1525	Foot protection
1529	Other personal protection products
1530	Skin protection / hygiene
1590	Other occupational safety gear
1600	Print products
1610	Specialised literature, books, magazines
1620	Print materials
1621	Business cards
1622	Commercial documents (letter papers, forms)
1629	Other printed matter
1700	Office supplies
1710	Office supplies, general
1800	Advertising and advertising products
1810	Advertising and advertising products, general
1900	Packaging material
1910	Packaging material, general
1911	Cardboard packaging
1912	Palettes
1913	Packaging wood
1915	Wooden boxes
1919	Other packaging material
2000	External service
2100	Assembly and commissioning
2110	Assembly and commissioning, general
2200	Project planning / Construction service / Training
2210	Project planning
2215	Process technology
2220	Statics
2230	Training courses
2290	Other design-engineering work
2295	Corporate accounting
2300	External processing
2310	Surface coating
2311	Chromium plating
2312	Nickel / copper plating
2313	Zinc plating / burnishing
2314	Hard anodising
2315	Anodising
2316	Plasma / detonation spray coating
2317	Priming / varnishing
2318	Pickling and passivating
2319	Other coatings
2320	Heat treatment
2320	Heat treatment
2321	Stress-relief annealing
2322	Nitriding
2323	Tempering
2329	Other heat treatments
	External processing Others

2330 Machining
2340 Sheet metal forming / steelwork
2350 Control panel assembly (contract/commission)
2390 External processing Others

2400 Packaging services

2410 Packaging services, general

2500 Maintenance and Servicing

2510 Servicing and maintenance of plant and machinery

2511 Maintenance tooling machines

2512 Plant engineering

2513 Maintenance industrial trucks

2514 Maintenance indoor cranes

2520 Maintenance and servicing of buildings and outdoor facilities

2521 Maintenance and servicing of buildings

2522 Maintenance and servicing of outdoor facilities

2530 Fluid management

2540 Maintenance and servicing of IT

2541 Maintenance net work/ backbone / server

2542 Maintenance desktops / notebooks / hardware

2543 Maintenance / update software

2544 Maintenance phone system

2549 Maintenance other IT

2550 Maintenance and servicing of tools

2551 Maintenance and servicing mechanic tools

2552 Maintenance and servicing electronic tools

2590 other maintenance and servicings

2600 Transport services

2610 Transport services, general

2700 Renting and leasing

2710 Renting and leasing, general

2800 Waste disposal

2810 Waste disposal, general

2900 Services

2930 Mobilitymanagement

2931 Flights

2932 Hotels

2933 Train

2934 Company cars

2935 Rental cars

2936 Cab

2939 Other mobility actions

2940 Services facility management

2941 Security service

2942 Moves

2943 Canteen

2944 Gardener

2945 Winter service

2946 Pest Control

2947 Office Cleaning

2948 Machine cleaning

2949	Other Services in facility management
2960	Consulting
2961	Management consulting
2962	Technical consulting
2963	Production consulting
2964	Energy consulting
2965	Construction work consulting
2969	Other consulting
2970	IT Service
2971	Papermanagement
2972	Phone, mobile communications, internet
2973	IT Service
2974	CAD service
2975	SAP service
2976	Production service
2979	other IT services
2990	Other services
2991	Translations
2999	Other services
3000	Semi-finished products and raw parts
3100	Cast raw parts
3110	Cast iron parts
3120	Cast steel parts
3130	Light metal/aluminium alloy castings
3140	Stainless steel castings
3150	Precision castings
3190	Other castings
3200	Semi-finished products Steel
3210	Steel rod (flat, round, 4 and 6 KT)
3220	Steel extrusions (L, T, U, Z etc.)
3230	Steel pipe and hollow profiles
3240	Steel sheets and plates
3250	Steel wires and cables
3290	Other steel, FE feedstock
3300	Semi-finished products Stainless steel
3310	Stainless steel rods (flat, round, 4 and 6KT)
3320	Stainless steel extrusions (L, T, U, Z etc.)
3330	Stainless steel pipes and hollow profiles
3340	Stainless steel sheets and plates
3350	Stainless steel wires and cables
3390	Other steel products feedstock
3400	Semi-finished products Non-ferrous
3410	Non-ferrous bars (flat, round, 4 and 6KT)
3420	Non-ferrous extrusions (L, T, U, Z etc.)
3430	Non-ferrous pipes and hollow profiles
3440	Non-ferrous sheets and plates
3450	Non-ferrous wires and cables
3490	Other non-ferrous metal feedstock
3500	Semi-finished products Plastics
3510	Plastic rods (flat, round, 4 and 6KT)

3520	Plastic extrusions (L, T, U, Z etc.)
3530	Plastic pipes and hollow profiles
3540	Plastic sheets and plates
3590	Other plastic feedstock
3600	Forgings
3610	Forgings, general
3700	Powder production
3710	Carbides
3711	Elements
3719	Other ingredients for powder production
3800	Models and molds for unmachined parts
3810	Models and molds for unmachined parts, general
3900	Semi-finished products Others
3910	Steel trading (without further classification)
3920	Atomising material
3930	Precious metals (gold, platinum, rhodium, iridium, palladium)
3940	Precious metal tantalum
3990	Other feedstock from other materials
4000	DIN- and standard parts
4100	Fasteners
4110	Screws
4120	Nuts
4130	Pins, bolts, cotters, rivets
4140	Washers, spring washers
4160	Screw locking devices
4170	Fastening technology
4175	Lifting gear
4180	Metal hardware and hinges
4190	Other fasteners
4200	Machine parts
4210	Springs
4220	Lead screws
4230	Shaft-hub connections
4240	Controls/operating devices
4250	Lubrication
4251	Central lubrication systems, complete
4252	Central lubrication pumps
4253	Accessories for lubrication systems
4260	Guides
4270	Molded parts and pivot components
4280	Drive components
4281	Couplings
4283	Brakes
4284	Chains and chain sprockets
4285	Belts and pulleys
4286	Tooth, spur and worm gears
4287	Wheels and rollers
4289	Other drive components
4290	Other machine components
4291	Signs and labels, customer specific

4292	Signs and labels, standard
4300	Pneumatic
4310	Pneumatic controls, complete
4320	Pneumatic cylinders and shock absorbers
4330	Pneumatic valves, service units and filters
4350	Pneumatic screws and fittings
4360	Pneumatic seals and accessories
4400	Hydraulic
4410	Hydraulic controls, complete
4420	Hydraulic cylinders and shock absorbers
4430	Hydraulic valves, service units and filters
4440	Hydraulic pumps, engines and aggregates
4450	Hydraulic screws and fittings
4460	Hydraulic seals and accessories
4490	Other hydraulics
4500	Steam and water duct
4510	Rotary seals, rotarys
4521	Steam and water hoses
4522	Stainless steel corrugated hoses
4523	Corrugated ring hoses VA
4524	PTFE hoses
4525	Hydraulic hoses
4526	Hoses for water cooling systems
4527	Other hoses
4530	Hose fittings
4540	Ball valves, shut-off valves
4550	Vacuum accessories
4590	Other steam and water ducts
4600	Air duct
4610	Air conditioning
4690	Other air ducts
4700	Bearing
4711	Deep groove ball bearing
4712	Cylindrical roller bearing
4713	Self-aligning roller bearing
4714	Angular contact ball bearing, self aligning ball bearing
4715	Angle rings
4716	Needle bearings
4717	Bearing housings, flange bearings
4718	Plain bearings
4720	Linear guides
4800	Seals
4810	Seals, general
4820	Shaft seals, Simrit sealing rings
4900	Gears
4910	Extruder gears
4920	Bitruder (counter-rotating twin-screw extruder) gears
4930	Reitruder (co-rotating twin-screw extruder) gears
4940	Planetary gears
4950	Spur gears

4960	Bevel gears
4970	Cam gears
4980	Lead screw jack gears
4998	Spare parts for gears
5000	Electronic parts
5100	Installation material
5110	Power distribution
5111	Circuit breakers, power switches
5120	Fuse links
5130	Installation material
5131	Plug connectors
5132	Cable lugs and sheaths
5133	Terminal strip
5134	Cable glands and cable bushings
5135	Protective cable sleeves
5136	Safety switches
5137	Push buttons, switches
5140	Light sources and lamps
5150	Wires and cables, unassembled
5151	Wires and cables, assembled
5160	E-mounting materials, cable ducts
5161	Cable carrier, cable drag chain
5200	Motors
5210	DC motors
5220	AC motors, squirrel cage induction motor
5221	AC motors, asynchronous servomotors
5230	Servomotors, synchronous
5231	Servomotors, Torque
5240	Gear motors
5250	Step motors
5280	Pulse generators, tachometers
5300	Modules and drive control
5330	Power inverters, frequency inverters
5390	Soft starters
5400	Electrical control technology
5410	Contactors and relays
5411	Semiconductor contactors
5412	Safety relays
5420	Optical warning devices
5421	Acoustic warning devices
5430	Motor safety switches, automatic circuit breakers
5440	Transformers, throttles
5441	Filters
5442	Power supply unit, power supplies
5443	UPSs
5450	Controls and automation devices
5451	Safety controls and automation devices
5452	Input and output circuit boards I/O
5453	Panels
5460	Programming devices

5470	Temperature regulators
5480	Complete control cabinets
5490	Other electrical controls
5500	IO devices
5520	Data entry devices, keyboards
5530	Monitors, displays, printers
5600	Electrical measurement technology
5610	Displays (analogue, digital)
5620	Measuring transducer
5630	Converter
5640	Sensors
5641	Melt pressure sensors
5642	Bursting discs
5643	Temperature sensors
5644	Force sensors
5645	Position sensor
5646	Web tension sensor
5647	Flow rate/volume flow sensors
5648	Fill level sensors
5650	Analysis devices
5700	Optoelectronics
5710	Photoelectric/light barrier, light sensors
5720	Safety barriers
5730	Proximity switches
5790	Special optical electronic solutions
5800	Housings
5810	Sheet metal housings
5820	Plastic housings
5830	Control panels, operator stations
5840	Control panel air-conditioners
5900	Electronic parts Others
5910	Chargers, dischargers, ionisers
6000	External production parts (per drawing)
6100	Rollers and shafts
6110	Rollers
6111	Aluminium rollers (web guide rollers, turn bars, including coated)
6112	Spreader rollers (banana , rope dispensers, brushes, rubber)
6113	Rubber rolls (steel & aluminium core)
6114	Heated and chilled rollers (single and double walled)
6115	Steel rollers (guide rollers)
6116	Smoothing rollers
6117	Casting rollers
6118	CFRP rollers (including rollers)
6119	Other rollers
6120	Shafts
6300	Sheet metal forming
6310	Large sheet metal parts
6320	Small sheet metal parts
6350	Large sheet metal parts (stainless steel)
6360	Small sheet metal parts (stainless steel)

6370	Sheet metal parts (special materials)
6400	Turned and milled parts
6410	Small turned and milled parts (metal)
6420	Small turned and milled parts (plastic)
6480	Other turned and milled stainless steel parts
6490	Other small turned and milled parts
6500	Bigger parts
6510	Supports and cable frames
6520	Frames
6530	Side plates
6540	Base frames
6550	Machined weldments
6590	Other large parts
6600	Steelwork
6610	Machine frame
6620	Extruder carriages
6700	Functional parts on machines
6710	Knives, cutting devices
6720	Spunlaid and melt blown nozzles
6730	Seals to drwg.
6740	Drive components to drwg.
6750	Winding shafts and chuck heads
6760	Cylinders, screws, screw segments
6761	Cylinders
6762	Double screw cylinders
6763	Cylinder components
6764	Screws
6765	Screw accessories (Mischteile, Abschlüsse, Scheiben...)
6766	Mandrels and points
6767	Screw elements
6770	Heaters
6771	Heating systems, castings
6772	Heating systems, Textile
6773	Heating systems, Micanite and ceramic
6774	Heating cartridges
6775	Flat tubular heating elements
6779	Other heating elements
6780	Melt filters and mixers
6785	Screening belts, conveyor belts
6790	Other mechanical machinery components
6800	Protection devices
6810	Sound protection hoods
6820	Heat protection (insulation, insulation materials...)
6890	Other protective devices
6900	External production parts Others
6910	Rapid-Prototyping-Teile (3D-Print)
6911	Rapid-Prototyping made of plastic
6912	Rapid-Prototyping made of metal
6919	Rapid-Prototyping made of other materials
6990	External production parts Others

8000	Other machines
8100	Dosing / addition of granules
8110	Granules dryers
8111	Infra red dryers
8112	Air dryers
8113	Chrystallisation dryers
8120	Dosing
8121	Volumetric dosing
8122	Gravimetric dosing
8123	Batch dosing
8124	Sidefeeder
8125	Accessory for dosing
8200	Extrusion
8210	Extruders
8211	Single-screw extruders
8212	Double-screw extruders
8213	High speed extruders
8214	Refeeding extruders
8220	Pumping systems
8221	Dosing pumps
8222	Vacuum pumps
8230	Melt filter
8231	Hand screen changer
8232	hydraulic screen changer
8233	Backwash hscreen changer
8234	Band screen changer
8235	Drum screen changer
8300	Formation
8310	Flat nozzle
8311	Flat film nozzles
8312	Coexblock for flat films
8313	Thermoforming film nozzle
8314	Coexblock for thermoforming films
8320	Round nozzles
8321	Squill blown film die
8322	Pane blown film die
8323	Filament nozzle
8330	Slot die tools RF
8331	Sheet die-nozzles
8332	Sheet die-nozzles
8333	Meltblown nozzles
8334	Bico distribution systems
8335	Assecory for nozzles (filtration plates and perforated plates)
8390	Other extrusion tools
8399	Other extrusion tools
8400	Testing and measuring
8410	Thickness gauges
8411	Infrared thickness gauges
8412	Ultrasound thickness gauges

8413	radioactive thickness gauges
8414	dynamic pressure thickness gauges
8419	other thickness gauges
8420	Inspection systems
8421	Surface inspections
8422	Endoscopy systems
8423	Camera systems
8490	Other gauges
8491	Testing and measuring systems
8492	Basis weight measurement systems
8493	Moisture measuring systems
8494	Laboratory measuring systems
8500	Cooling, drying, tempering, air supply
8510	Tempering
8511	Water temperature controllers
8512	Oil temperature controllers
8513	Air temperature controllers
8514	Compression - hot air systems
8515	Annealing units
8519	Other tempering devices
8520	Drying
8521	Perforated drum dryers
8522	Infra red dryers
8523	Band dryers
8524	Cylinder dryers
8525	Tenters
8526	Suction and drying equipment
8529	Other drying units
8530	Cooling
8531	Vacuum calibration
8532	Cooling devices
8533	Water baths
8534	Compression - cold air systems
8535	Cooling units
8536	Cold air ring
8539	Other cooling units
8540	Air supply/ventilation systems
8541	Ventilators and blowers
8542	Compressors
8543	Compressed air systems
8544	Fleece blowers
8545	MB-secondary air adaption
8549	Other technical air systems
8550	Piping systems
8551	Pipes
8600	Manipulating
8610	Cutting, seperating
8611	Guillotines
8612	Rotary jars
8613	Separating devices

8614	Cross cutting units
8620	Leading and folding
8621	Calibration
8622	Turning bars
8623	Side folding units
8624	Web guiding systems
8625	Collapsing boards
8630	Cleaning
8631	Ultrasound cleaners
8632	Pyrolysis installation
8633	High pressure cleaners
8640	Recycling
8641	Edge trim treatment
8642	Edge trim shredders
8643	Edge trim extraction
8644	Infeeds
8645	Hybrid systems
8646	Recycling equipment
8650	Roll handling
8651	Roll transport carriage
8652	Roller tables
8653	Winding shaft extractors
8654	Handling systems (robots)
8659	Other transport and lifting systems
8660	Moisturing, coating, treating
8661	Kiss roller application
8662	Foulard systems
8663	Liquid dispensing systems
8664	Antistatic baths
8665	Laminators
8666	Pretreatment systems
8669	Other coating systems
8670	Stretching
8671	Stretching units
8680	Printing and signing
8681	Printing machines
8682	Marking devices
8690	Other manipulation
8700	Consolidating
8710	Calendering
8711	Thermobonding calender
8712	Ultrasound calender
8713	Smoothing calenders
8714	Calender rolls
8720	Embossing
8721	Embossing units
8722	Embossing rolls
8790	Other consolidating systems
8791	Hydroentanglement systems
8792	Needling machine

8793	Hot air consolidation systems
8794	Double-belt press
8800	Winding / hauling-off
8810	Haul-off units
8811	Film haul-offs
8812	Vlies haul-offs
8819	Other haul-offs
8820	Winder systems
8821	Sheet winders
8822	Cast winders
8823	Winders for coats
8824	Vlies winders
8825	Slitter rewriter
8826	Inline slitting vlies winder
8827	Edge trim winders
8828	Winders for blownfilm
8829	Winders for monofilaments
8830	Unwinder
8831	Unwinder
8900	Other third party machines
8990	Others
8991	Spare parts for third party machines
8992	Documents on foreign/third party machines
8999	Other third party machines
9000	Investments
9100	Machinery and equipment
9110	Machine tools
9111	Machining centres
9112	Milling machine
9113	Turning machine
9114	Grinding machine
9115	Eroding machine
9116	Honing machine
9117	Straightening presses
9119	Other machine tools
9120	Equipment
9121	Cooling equipment
9122	Filtration equipment
9123	Heating Equipment
9124	Switching system
9129	Other equipment
9200	Buildings and outdoor facilities
9210	Electrotechnology
9211	Lighting / power supply
9212	Lightning protection
9213	High / low voltage systems
9214	Substations
9215	Building controll systems
9219	Other electrotechnology
9220	Building

9221	Floors
9222	Roofs
9223	Windows and doors
9224	Painters
9225	Locksmiths
9226	Carpenters
9227	Dry construction / walls
9228	Curtains
9229	Other building devices
9230	Sanitary equipment
9231	Lifting gear
9232	Freshwater
9233	Waste water
9234	Tiles
9239	Other sanitary equipment
9240	Fire protection measures
9241	Fire protection
9242	Fire alarm systems
9243	Fire extinguishing equipment
9249	Extinguishing systems
9250	Construction measures
9251	Civil engineering
9252	Structural engineering
9253	Outdoor facilities
9254	Scaffolds
9259	Other construction measures
9260	Plant security
9261	Gates
9262	Seperation systems
9263	Video monitoring
9264	Electronic locking system
9265	Fences / external security
9269	Other plant security
9270	Climate / air conditioning / energy
9271	Heating
9272	Air conditioning
9273	climate control
9274	Cogeneration units
9275	Compresses air
9279	Other climates / air conditionings
9290	Other investments buidings and facilities
9299	Other investments buidings and facilities
9300	Transportation and lifting equipment
9310	Transportation and lifting equipment, general
9311	Industrial trucks (lift trucks, internal transports)
9312	High lift pallete trucks
9319	Industrial trucks
9500	Motor vehicles
9510	Motor vehicles
9600	IT hardware and software

9610	IT hardware, in general
9611	Network technology / backbone
9612	Server & memory systems
9613	Terminals
9614	Periphery
9615	Telephone system
9619	Other hardware

9620	IT software
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9621	System software, licence
9622	application software licence

9700	Office and shop equipment
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9710	Office and shop equipment
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9711	Office furniture
9712	Shelving systems
9713	Tool systems and cabinet systems
9719	Other office and shop equipment

9800	Other capital goods
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9810	Other capital goods, general
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