

GROUP 10 – DRIER

	REG#:C0046 DESC:Drier (general)
	REG#:X8083 DESC:Drying oven, drying chamber, shelf drier
	REG#:X8040 DESC:Turbo drier, disc drier, moving shelf drier
	REG#:X8041 DESC:Fluidized bed drier
	REG#:X8042 DESC:Spray drier
	REG#:X8043 DESC:Belt drier, roller-conveyer type driver
	REG#:X8044 DESC:Rotary drum drier, rotary drier, tumbling drier
	REG#:C0016 DESC:Heat consumer

GROUP 11 – CRUSHING/GRINDING MACHINES

	REG#:X8084 DESC:Crushing/grinding machine (general)
	REG#:X8085 DESC:Crusher (general)
	REG#:X8045 DESC:Crusher, hammer type
	REG#:X8046 DESC:Crusher, impact type
	REG#:X8047 DESC:Crusher, jaw type
	REG#:X8048 DESC:Crusher, roller type
	REG#:X8049 DESC:Crusher, cone type
	REG#:X8086 DESC:Mill, pulverizer (general)
	REG#:X8050 DESC:Mill, pulverizer hammer type
	REG#:X8051 DESC:Mill, impact type
	REG#:X8053 DESC:Mill, horizontal rotation roller type
	REG#:X8054 DESC:Mill, vibration type

**GROUP 14 – SHAPING MACHINES
PROCESSING IN HORIZONTAL DIRECTION**

	REG#:XC0053 DESC:Shaping machine, horizontal type (general)
	REG#:X8058 DESC:Extruder, screw type
	REG#:X8059 DESC:Extruder, piston type

**GROUP 13 – SHAPING MACHINES
PROCESSING IN VERTICAL DIRECTION**

	REG#:C0052 DESC:Shaping machine, vertical type (general)
	REG#:X8055 DESC:Press, roller type
	REG#:X8056 DESC:Press, piston type
	REG#:X8057 DESC:Pelletizing disc

GROUP 12 – MIXERS, KNEADERS

	REG#:X2672 DESC:In-line rotary mixer
	REG#:X2673 DESC:In-line static mixer
	REG#:X8184 DESC:Mixing path
	REG#:X8134 DESC:Kneader

GROUP 16 – COMPRESSORS, VACUUM PUMPS

	REG#:2302 DESC:Compressor, vacuum pump (general)
	REG#:X8179 DESC:Compressor, centrifugal type
	REG#:X8097 DESC:Compressor, vacuum pump, reciprocating piston type
	REG#:X8099 DESC:Compressor, vacuum pump diaphragm type
	REG#:X8102 DESC:Compressor, vacuum pump, turbo type
	REG#:X8104 DESC:Compressor, vacuum pump, roller vane type
	REG#:X8105 DESC:Compressor rotary type, vacuum pump, rotary piston type
	REG#:X8161 DESC:Compressor, screw type
	REG#:X8162 DESC:Compressor, vacuum pump liquid ring type
	REG#:X8163 DESC:Compressor, ejector type, vacuum pump jet type

GROUP 17 – BLOWERS, FANS

	REG#:X8164 DESC:Blower, fan (general)
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GROUP 15 – LIQUID PUMPS

	REG#:2301 DESC:Pump, liquid type (general)
	REG#:2322 DESC:Pump, centrifugal type
	REG#:8091 DESC:Pump, gear type
	REG#:8092 DESC:Pump, screw type
	REG#:8093 DESC:Pump, progressive cavity type
	REG#:X8094 DESC:Pump, reciprocating piston type
	REG#:X8095 DESC:Pump, diaphragm type
	REG#:X8096 DESC:Jet pump, liquid type ejector pump

LEGEND

- ① Graphical symbol
- ② Registration number
 - nnn ISO 14617 graphical symbol
 - Cnnn ISO 14617 graphical symbol (prelim.)
 - X2nnn ISO 14617 symbol example
 - X8nnn ISO 10628-2 symbol example
- ③ ISO 10628-2 description
- ④ Preferred connection locations

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