Type-A Standard

General Principles for Design - Risk Assessment & Risk Reduction

ISO 12100

	Type-B1 Standards Related to Hazards			Type-B2 Standards Related to Safeguards	
ACOUSTICS	SUBSTANCES	ERGONOMICS	LENGTHS & DISTANCES	EQUIPMENT	SAFEGUARDING
Determination of emission sound pressure levels at a workstation ISO 11200 to ISO 11205	Hygiene requirements for design of machinery ISO 14159	Anthropomorphic requirements for workstations ISO 14738	Safety distances to avoid crushing ISO 13854	Electrical equipment IEC 60204-1	Guards ISO 14120
Determination of sound power and energy levels	Reduction of risk to health from hazardous substances	Ergonomic design principles EN 614 series	Distances to prevent hazard zones being reached by upper and lower limbs	Hydraulic equipment ISO 4413 Pneumatic equipment	Interlocking devices ISO 14119
ISO 3741, ISO 3743 series, ISO 3744 to ISO 3747	ISO 14123 series	Ergonomic principles in the	ISO 13857 Permanent means of access	ISO 4414	Two-hand control devices ISO 13851
Determination of sound power levels by sound intensity /SO 9614 series	Evaluation of emission of airborne hazardous substances ISO 29042* series	design of work systems ISO 6385 Access openings	to machinery (stairs, walkways, platforms) ISO 14122 series	Integrated manufacturing systems ISO 11161	Safety distances for sensitive safeguards (light curtains, scanners) /SO 13855
Insulation performences	VIBRATION & SHOCK	ISO 15534* series	ALARMS & WARNINGS	Electromagnetic compatibility IEC 61000 series	Electro-sensitive protective equipment
of enclosures ISO 11546 series	Hand-held & hand-guided machinery ISO 20643	design of displays and control actuators ISO 9355* series	Auditory danger signals ISO 7731	CONTROL SYSTEMS	EN 61496 series Pressure-sensitive
Insulation performences of cabins ISO 11957	Whole body vibration ISO 2631 series	FIRE & EXPLOSION	Visual, auditory and tactile signals ISO 61310 series	Avoidance of unexpected start-up ISO 14118	protective equipment ISO 13856 series
Recommended practice for the design of low-noise machinery and equipment	Hand-arm vibration ISO 13753	Fire prevention and protection ISO 19353 Explosion protection	Registered safety signs ISO 7010	Emergency stop function ISO 13850	Application of sensitive protective equipment IEC 62046
ISO 11688 series	ELECTRICAL	and prevention EN 1127-1 & -2	Design principles for safety signs ISO 3864 series	Safety-related parts of control systems	DOCUMENTATION
Declaration & verification of noise emission /SO 4871	Protection against electric shock IEC 60204-1	THERMAL Human responses to contact with hot or cold surfaces		ISO 13849 series, IEC 62061 series Functional safety of safety-	Instruction handbook - general principles f. design ISO 20607
		ISO 13732 series		related control systems IEC 61508 series	Methodology for risk assessment
		RADIATION Laser and laser-related equipment IEC 60825 series			IEC/ISO 31010 Risk assessment examples ISO TR 14121-2



These standards do not belong to the A/B/C-type standard system under the Machinery Directive.

Note: Most of the ISO standards in this chart are also EN ISO standards in the EU (exeptions marked with *). All of the IEC standards are also EN standards.

Standards bearing the designation EN only are not adopted by ISO or IEC.