

	Technical drawings – General principles of presentation Part 50: Basic conventions for representing areas on cuts and sections (ISO 128-50 : 2001)	DIN ISO 128-50
--	---	---------------------------------

ICS 01.100.01

Technische Zeichnungen – Allgemeine Grundlagen
der Darstellung – Teil 50: Grundregeln für Flächen
in Schnitten und Schnittansichten (ISO 128-50 : 2001)

This standard supersedes DIN 201, May 1990 edition, and DIN ISO 4069, August 1984 edition, and, together with DIN ISO 128-40 and DIN ISO 128-44, May 2002 editions, supersedes DIN 6-2, December 1986 edition.

This standard incorporates International Standard
ISO 128-50 Technical drawings – General principles of presentation – Part 50: Basic conventions for representing areas on cuts and sections.

The English version of DIN ISO 128-50:2002-05 has been corrected as follows:

The informative **National Annex NB** has been incorporated.

National foreword

This standard has been prepared by ISO/TC 10 'Technical product documentation', SC 1 'Basic conventions'.

The responsible German body involved in its preparation was the *Normenausschuss Technische Grundlagen* (Fundamentals in Technology Standards Committee), Technical Committee *Technisches Zeichnen*.

The DIN Standards corresponding to the International Standards referred to in clause 2 of the ISO Standard are as follows:

ISO Standard	DIN Standard
ISO 128-20	DIN ISO 128-20
ISO 128-24	DIN ISO 128-24
ISO 5456-2	DIN ISO 5456-2
ISO 6428	DIN ISO 6428
ISO 10209-1	DIN 199-1
ISO 10209-2	DIN ISO 10209-2

Amendments

DIN 201, May 1990 edition, and DIN ISO 4069, August 1984 edition, have been superseded by the specifications of DIN ISO 128-50, and DIN 6-2, December 1986 edition, has been superseded by the specifications of DIN ISO 128-40, DIN ISO 128-44, and DIN ISO 128-50.

Previous editions

DIN 36: 1922-10; DIN 6: 1922x-11, 1956-10, 1968-03; DIN 6-2: 1986-12; DIN 201: 1990-05; DIN ISO 4069: 1984-08.

Continued on page 2 to 5
ISO Standard comprises 6 pages.

National Annex NA

Standards referred to

(and not included in **Normative references** and **Bibliography**)

DIN 199-1	Terminology associated with drawings and item lists – Drawings
DIN ISO 128-20	Technical drawings – General principles of presentation – Part 20: Basic conventions for lines (ISO 128-20 : 1996)
DIN ISO 128-24	Technical drawings – General principles of presentation – Part 24: Lines on mechanical engineering drawings (ISO 128-24 : 1999)
DIN ISO 5456-2	Technical drawings – Projection methods – Part 2: Orthographic representations (ISO 5456-2 : 1996)
DIN ISO 6428	Technical drawings – Requirements for microcopying (ISO 6428 : 1982)

National Annex NB (Informative)

Hatching of areas on cuts and sections and for the purpose of identifying materials

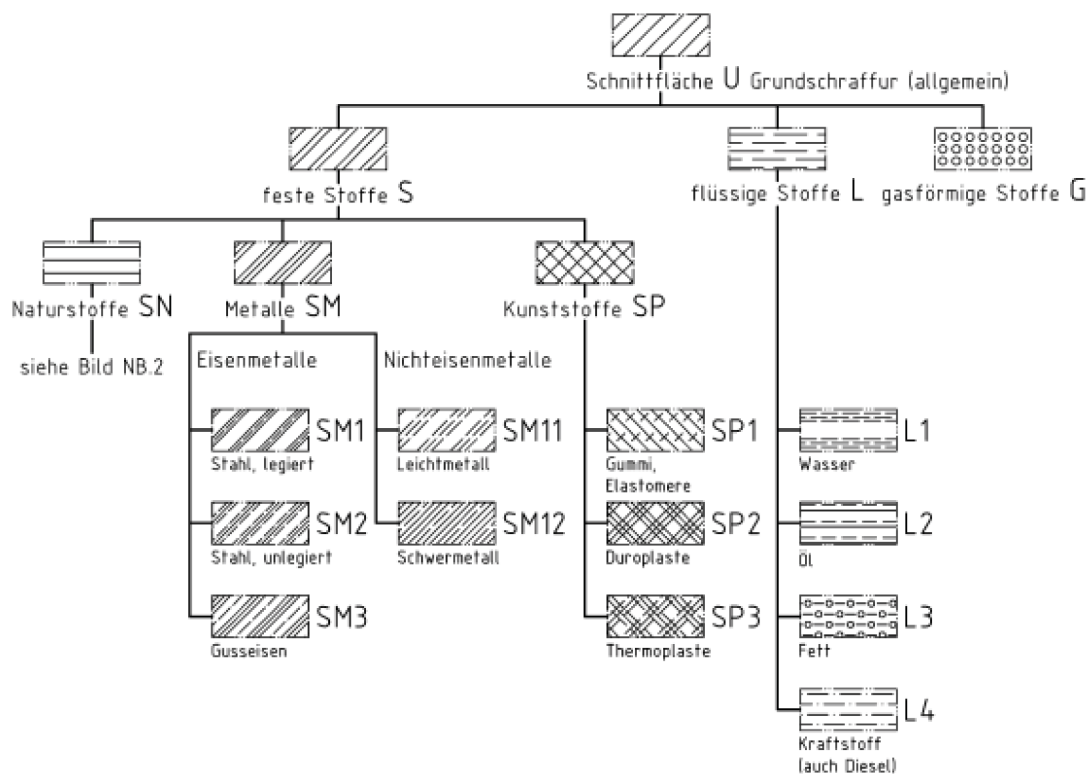


Figure NB.1 – Hatching of areas on cuts and sections and for the purpose of identifying solids, liquids and gaseous materials

Key to Figure NB.1

feste Stoffe Solids	Schnittfläche U Grundschräffur (allgemein) Area U Basic hatching (general)	gasförmige Stoffe Gaseous substances	
Naturstoffe Natural materials	flüssige Stoffe Fluids	Kunststoffe Plastics	
Siehe Bild NB.2 See Figure NB.2	Metalle Metals		
Eisenmetalle Ferrous metals	Nichteisenmetalle Non-ferrous metals		
Stahl, legiert Alloyed steel	Leichtmetall Light metal	Gummi, Elastomere Rubber, elastomers	Wasser Water
Stahl, unlegiert Non-alloyed steel	Schwermetall Heavy metal	Duroplaste Thermoset	Öl Oil
Gusseisen Cast iron		Thermoplaste Thermoplastics	Fett Grease
			Kraftstoff (auch Diesel) Fuel (incl. diesel)

Key to Figure NB.2

Siehe Bild NB.1
See Fig. NB 1

mineralisch mineral	pflanzlich vegetable	sonstige Naturstoffe Other natural materials	Glas Glass
gewachsener Boden Natural soil	Vollholz, quer zur Faser Solid timber across grain	Mauerwerk, Ziegel Brick masonry	
geschütteter Boden Fill	Vollholz in Faserrichtung Solid timber parallel to grain	Mauerwerk mit erhöhter Festigkeit High-strength masonry	Faser Fibre
Fels Rock	Holzwerkstoff Wood-based panels	Mauerwerk, Leichtziegel Lightweight masonry	Keramik Ceramic
Kies Gravel	Bitumen Bitumen	Mauerwerk, Bimsbaustoffe Pumice masonry	Porzellan Porcelain
Sand Sand	Teer Tar	Gipsplatte Gypsum plasterboard	Dämmstoff Insulating material
Schluff Silt		Beton, bewehrt Reinforced concrete	Füllstoff Filler material
Ton Clay		Beton, unbewehrt Unreinforced concrete	Schamotte Fireclay
Torf, Humus Peat, humus		Leichtbeton Lightweight concrete	Isolierstoff Insulating (isolating) material
Mudde Limnic mud		Bimsbeton Pumice concrete	Dichtstoff Sealant
Kohle Coal		Beton, wasserundurchlässig Waterproof concrete	
Sandstein Sandstone			