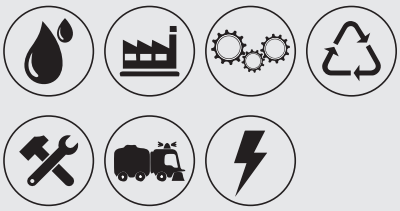
Materials
Standard Materials

Depending on the media, application and requirement, **LÜDECKE** uses various types of materials.

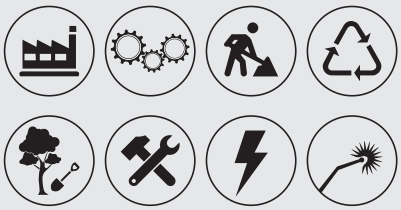
Material	**Malleable Iron**	**Brass**
Specification	White according to DIN 1562	Brass MS 58 (CuZn39Pb3) Material CW614N
Description	• Steel carbon material, gets its mechanical characteristics from a special heat treatment • Allows to manufacture complex forms made of casting → die cast hardening by thermo treatment • Best resilience characteristics: material composition prevents brittle fracturing in heavy duty applications	• Most used alloy for machining • High durability • Perfectly suited for galvanisation (nickel) • Very good for producing turned parts
Pressure Resistance	300 - 420 N/mm²	Min. 430 N/mm²
Industries		

Machining Steel

11 S Mn Pb 30K
Material 1.0718 acc. to DIN EN 10087

- Best possible characteristics for an economic production of turned parts with utmost precision
- High durability
- Best surface quality
- Excellent weldability

380 - 570 N/mm²

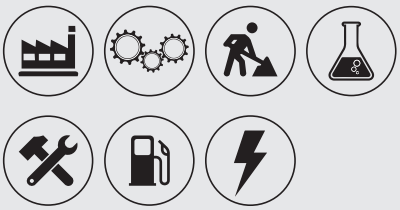


Aluminium

Al Mg Si 1 F 31
Material according to EN AW-6082

- Wrought alloy Al Mg Si 1 F 31 can be hardened up to a medium firmness
- Good corrosion resistance
- Polishable, chemical resistant
- Perfect for machining

Min. 310 N/mm²



High Resistant Special Brass (ECOBRASS)

UNS C 69300

- New, innovative material
- Combines processing characteristics of brass and hardness of stainless steel
- Contains no toxic additives nor lead (according to automotive standards)
- Durable shiny colour

Min. 600 N/mm²