

Technical data sheet – Spiral staircases

Spiral staircases – LG Standard

Lichtgitter spiral staircases, type "LG Standard" in galvanized finish are produced in a building-block system with a diameter of 1600, 1800 and 2000 mm (max. diameter of staircases).

Stairs and handrailing elements of different stair angles (stairs/spiral) can be used with this type of construction.

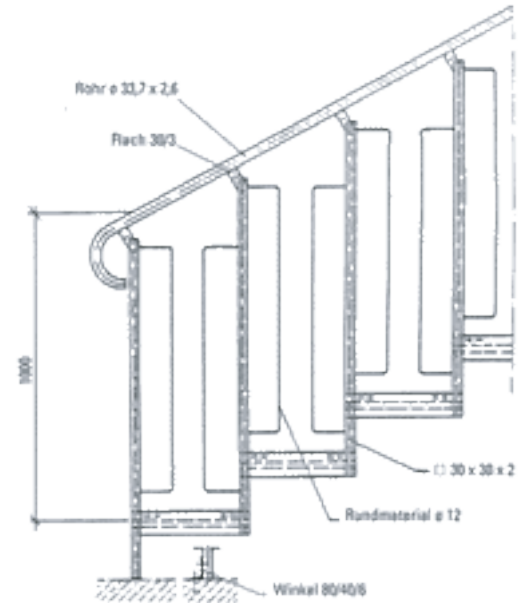
We can offer these staircases at reasonable prices and with short delivery terms due to the availability of standard sizes.

Calculations are carried out to determine the design requirements for staircases, by considering a uniformly distributed load of 3,5 kN/sq.m, or a concentrated load of 1,5 kN

applied over an area of 100 x 100 mm from the leading edge of the nosing, at a distance of 100 mm from the outside line of the stair.

Spiral staircase systems provided by Lichtgitter have been inspected by the appropriate

department of the German Ministry (see test report II B 6-543-206 dated 09.11.1995). Tread widths are supplied in accordance with the German Standard DIN 18065



Spiral staircases – LG Special

Spiral staircases, type "LG Special" in galvanized finish are developed in modular system for self-assembly. They are functional and reliable and suitable for many types of application. Spiral staircases, type "LG Special" are produced with a maximum diameter of 2700 mm.

For areas accessible to the general public, guarding systems are fabricated with the maximum clear space distance between rail stanchions of 120 mm, whereas for industrial areas the maximum clear space distance is 180 mm.

The height of the handrail measured from the leading edge of the tread to the top of the handrail, should not be less than 1000 mm, except where the total height of the stair exceeds 12m and then this distance should not be less than 1100 mm.

Calculations are carried out to determine the design requirements for staircases, by considering a uniformly distributed load of either 3,5 kN/sq.m, or a concentrated load of 1,5

kN applied over an area of 100 x 100 mm from the leading edge of the nosing, at a distance of 100 mm from the outside line of the stair.

Tread widths are supplied in accordance with the German Standard DIN 18065.

