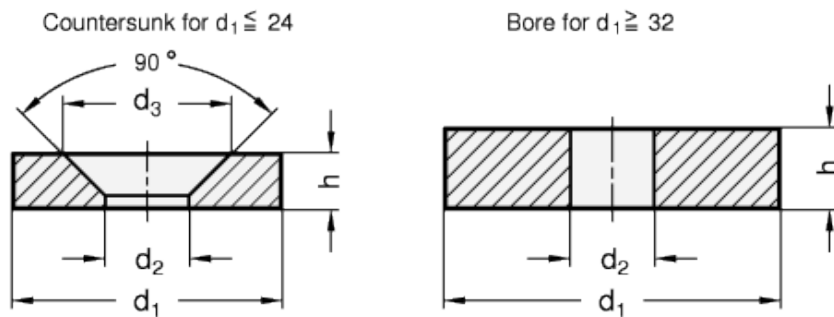


GN 55.1

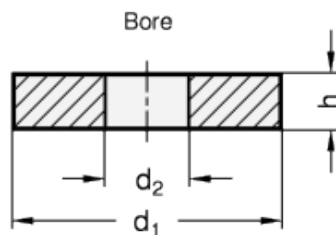
Raw magnets



Version **ND**



Version **SC**



technical informations

Materials of the magnet

- Samarium, cobalt SmCo SC, temperature resistant up to 200°C .
- Neodymium, iron, boron NdFeB ND, temperature resistant up to 80°C .

Specification

Disc-shaped, with bore or countersunk.

Accessories on request

- other dimensions.
- made of hard ferrite (HF).

Features and applications

Raw magnets GN 55.1 are unshielded disc-shaped (annular) magnets.

Owing to their vast range of different magnet materials and sizes, they are suitable for virtually universal use. They are mostly attached by gluing.

When used without air gap, individual raw magnets always have lower adhesive forces than a magnet system in which shielding and magnetic return enormously intensify the force acting at the adhesion surface. Depending on the air gap between magnet and mating component, individual raw magnets - unlike magnet systems - can have substantially higher adhesive forces.

In the event that no suitable retaining magnets / magnet systems are available, raw magnets may be used in combination with appropriate holding constructions to build up highly specific magnet systems.

Standard Elements	Main dimensions				Nominal adhesive forces in N	Packaging units	Weight
	Description	d ₁	d _{2 ±0.1}	d _{3 +0.5}			h _{±0.1}
GN 55.1-SC-15-8-3,5	15 _{±0.1}	8	-	3.5	23	20	4
GN 55.1-SC-18-8-4	18 _{±0.1}	8	-	4	31	10	7
GN 55.1-SC-24-11,5-4	24 _{±0.1}	11.5	-	4	51	10	12
GN 55.1-SC-32-10-4	32 _{±0.1}	10	-	4	67	5	24
GN 55.1-ND-12-3,5-3	12 _{±+0.1}	3.5	6.6	3	18	20	2
GN 55.1-ND-15-4,5-3,5	15 _{±0.1}	4.5	9.3	3.5	29	20	4
GN 55.1-ND-18-4,5-4	18 _{±0.1}	4.5	9.3	4	41	10	7
GN 55.1-ND-24-5,5-4	24 _{±0.1}	5.5	11.5	4	66	10	12
GN 55.1-ND-32-10,5-2	32 _{±0.1}	10.5	-	2	42	5	11
GN 55.1-ND-38-12-4	38 _{±0.1}	12	-	4	110	1	30
GN 55.1-ND-48-15-5	48 _{±0.2}	15	-	5	165	1	61
GN 55.1-ND-56-15-6	56 _{±0.2}	15	-	6	230	1	102



STANDARD MACHINE ELEMENTS WORLDWIDE