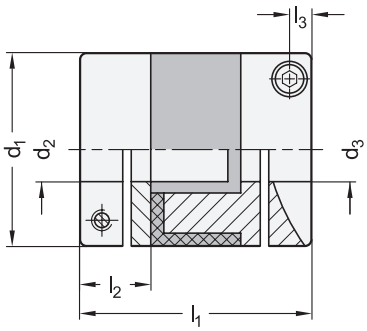
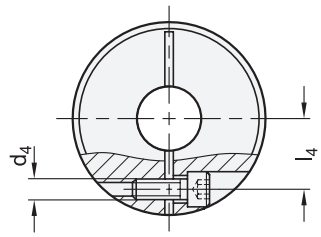
High Response Couplings

Aluminum, Vulcanized, Vibration-Damping, with Clamping Hub





2 Bore code

B Without keyway

1 d1	3 d2 - d3 H8 Recommended shaft tolerance h7						d4	l1	l2 Max. shaft insertion depth	l3	l4
15	4-4	4-5	5-5	-	-	-	M 1,6	23	6,5	2,15	5
19	5-5	5-6	5-8	6-6	6-8	8-8	M 2	26	7,7	2,65	6,5
25	6-6	6-8	6-10	8-8	8-10	10-10	M 2,5	32	9,5	3,25	9
30	8-8	8-10	8-12	10-10	10-12	12-12	M 3	36	11	4	11
39	12-12	12-14	12-16	14-14	14-16	16-16	M 4	48	15,5	4,5	14,5
56	20-20	20-25	25-25	-	-	-	M 5	60	19,5	5,5	20

d1	Tightening torque of the screws in Nm ≈	Rated torque in Nm	Max. rotational speed (min-1)	Moment of inertia in kgm2	Static torsional stiffness in Nm/rad	Max. shaft offset		
						Lateral in mm	Axial in mm	Angular in °
15	0,25	1,1	42000	$2{,}3 \times 10^{-7}$	43	0,15	± 0,2	1,5
19	0,5	2,1	33000	$6{,}9 \times 10^{-7}$	88	0,15	± 0,2	1,5
25	1	4	25000	$2{,}5 \times 10^{-6}$	140	0,15	± 0,2	1,5
30	1,5	6,3	21000	6×10^{-6}	220	0,2	± 0,3	1,5
39	2,5	13,5	16000	$2{,}3 \times 10^{-5}$	520	0,2	± 0,3	1,5
56	7	35	11000	$1{,}2 \times 10^{-4}$	1500	0,2	± 0,3	1,5

Specification

4 5

Hub

Aluminum — **AL**

Elastomer element

Hydrogenated acrylonitrile butadiene rubber (HNBR) — **H**

- Black
- Hardness 75 ±5 Shore A

Operating temperature -20 °C to +80 °C

Socket cap screws ISO 4762

Steel, blackened

RoHS

Technical Information	ganternorm.com
Overview of Couplings	
General Information for Couplings	
Mounting Information for Couplings	
Technical Information for Couplings	
ISO Fundamental Tolerances	
Plastic Characteristics	

High response couplings GN 2248 transmit angular positions and torques with high precision and zero backlash. The elastomer element bonds the clamping hubs together, compensating for shaft misalignments and runout tolerances. The clamping hubs ensure easy installation.

High response couplings GN 2248 are primarily used in applications where precise position and motion transmission is required, e.g., in drive technology on test benches or similar applications.

see also...	ganternorm.com
GN 2244 Bellows Couplings (Aluminum)	
GN 2250 Double Loop Couplings (Steel / Stainless Steel)	
GN 2262 Rigid Couplings (Aluminum)	

How to order

1 2 3 4 5

GN 2248 - 30 - B 10 - 10 - AL - H

1	d_1
2	Bore code
3	d_2 - d_3
4	Material (Hub)
5	Material (Elastomer element)