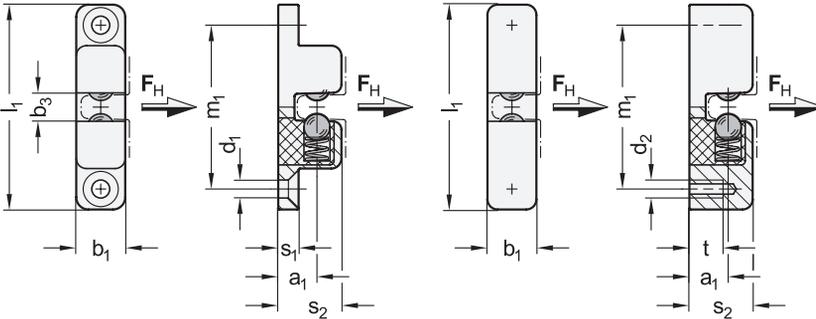


Ball housing

Type A1 / A2

Type B1 / B2



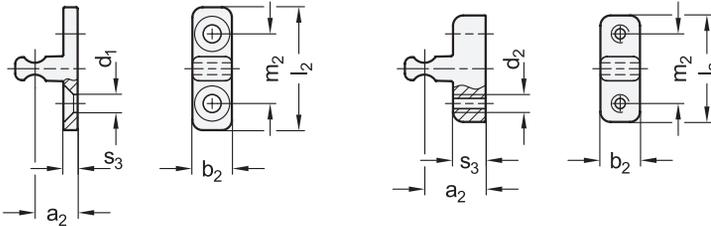
3 Type ball housing

- A1** With countersunk holes, normal holding force
- A2** With countersunk holes, enhanced holding force
- B1** With internal thread, normal holding force
- B2** With internal thread, enhanced holding force

Retaining element

Type AG

Type BG



4 Type retaining element

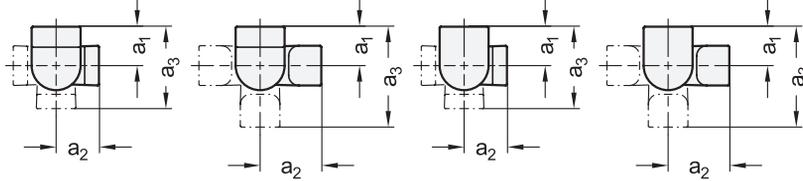
- AG** With countersunk holes, straight
- BG** With internal thread, straight

Type A1 / A2 with type AG

Type A1 / A2 with type BG

Type B1 / B2 with type AG

Type B1 / B2 with type BG

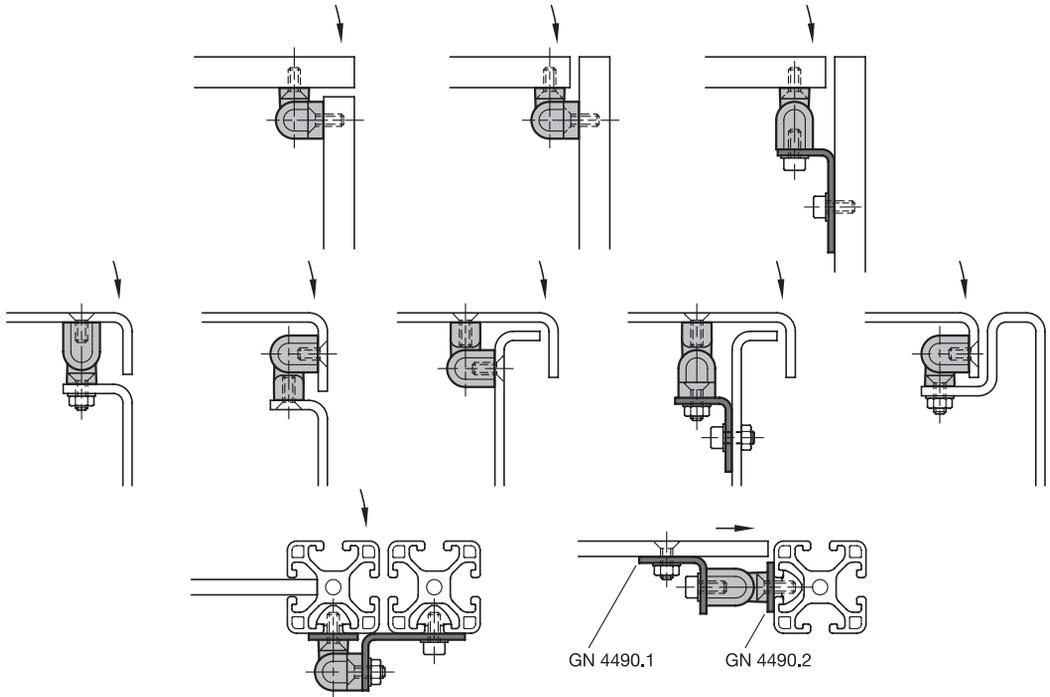


2

l ₁	a ₁	a ₂ Type retaining element		a ₃ Type retaining element		b ₁	b ₂	b ₃	d ₁	d ₂
		AG	BG	AG	BG					
38	7,5	7,5	11	15	18,5	8	7	4,3	3,4	M 3
50	9,5	10,5	15	20	24,5	12	10	6,5	4,4	M 4
68	11	12	16,5	23	27,5	14,5	11	9,5	4,4	M 4
80	13	14	20	27	33	16,5	13	11	5,4	M 5

l ₁	l ₂ Type retaining element		m ₁	m ₂	s ₁	s ₂	s ₃ Type retaining element		t	Holding force F _H in N ≈	
	AG	BG					AG	BG		A1 / B1	A2 / B2
38	21	18	30	12	4	11,5	2,5	6	6	25	35
50	30	26	40	17	5	15,5	3,5	8	9	40	70
68	32,5	28	55	20	5	18,5	3,5	8	12	75	100
80	40	37,5	65	25	6	21,5	4	10	15	125	150

Application Examples



Specification

Ball housing / Retaining element

• Zinc die casting	ZD	
• Powder coated		
- Black, RAL 9005, textured finish		● SW
- Silver, RAL 9006, textured finish		● SR
• Stainless steel AISI 630	NI	
• Matte, shot-blasted		GS

Ball

- Stainless steel AISI 420C for ZD
- Ceramic, silicon nitride, black for NI

Spring

- Stainless steel AISI 301 for ZD
- Stainless steel AISI 316Ti for NI

Ball guide

Plastic, Polyacetal (POM)

RoHS

On request

- Other colors / finishes

Ball catches GN 4490 are used, for example, to hold flaps and doors closed that must be opened and closed frequently and easily.

The ball catches consist of a ball housing and a retaining element that snaps into the ball housing from the side or front.

Depending on the installation situation, the use of mounting plates GN 4490.1 may be required (see application examples). The slotted holes facilitate positioning. Depending on the slot width, mounting plates GN 4490.2 must be used when fastening the mounting blocks to aluminum profiles.

see also...

	Page
GN 450 Ball-Shaped Door Locks (Plastic)	QVX
GN 449 Spring-Bolt Door Latches (Plastic)	QVX
GN 449.1 Spring-Bolt Door Latches (Plastic, Adjustable)	QVX

Technical Information

Plastic Characteristics	QVX
Stainless Steel Characteristics	QVX

Accessory

GN 4490.1 Mounting Plates (for Ball Housings)	QVX
GN 4490.2 Mounting Plates (for Retaining Elements)	QVX

How to order

1	Material
2	I₁
3	Type ball housing
4	Type retaining element
5	Finish

1 2 3 4 5
GN 4490-ZD-50-B1-BG-SW

