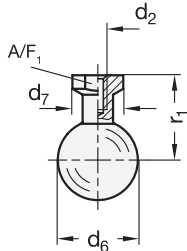
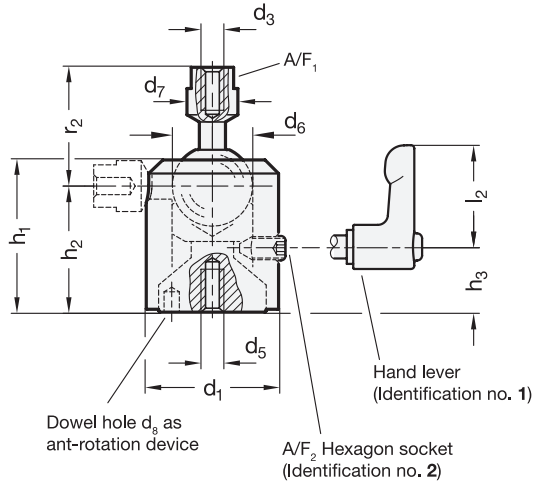
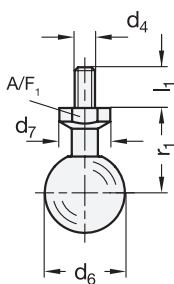


Type A



Type B



3 Type

- A** Ball with female thread
- B** Ball with male thread

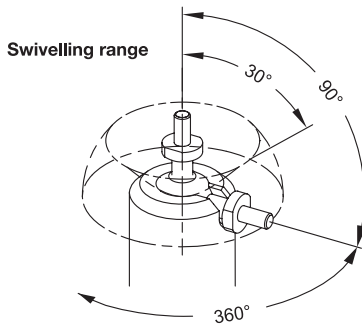
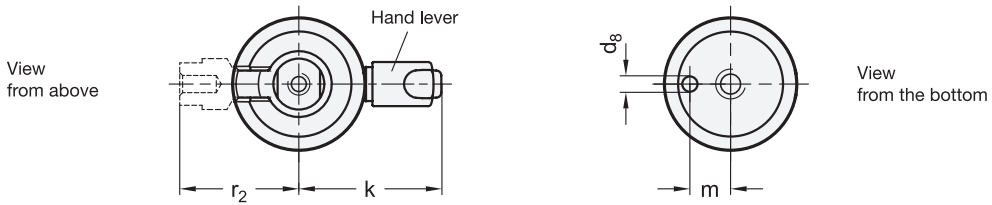
4 Identification no.

- 1 Clamping with adjustable hand lever (only for $d_1 = 39$ and 49)
- 2 Clamping with set screw

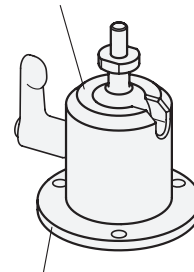
1 d_1	2 d_2^* Type A	r_1	2 d_3^{**} Type A		r_2	2 d_4 Type B		r_1	l_1
				Inch thread			Inch thread		
23	M 4	17,3	M 5	-	24,8	M 5	-	17,3	8
23	-	-	-	1/4 (\cong 1/4-20)	24,8	M 6	1/4 (\cong 1/4-20)	17,3	10
31	M 5	21,5	M 6	1/4 (\cong 1/4-20)	32,5	M 6	1/4 (\cong 1/4-20)	21,5	10
31	-	-	-	-	32,5	M 8	-	21,5	12
39	M 5	25,5	M 6	-	36,2	M 6	-	25,5	10
39	-	-	M 8	3/8 (\cong 3/8-16)	40,5	M 8	3/8 (\cong 3/8-16)	25,5	12
49	M 8	30,8	-	3/8 (\cong 3/8-16)	44,8	M 8	3/8 (\cong 3/8-16)	30,8	12
49	-	-	M 10	-	51,8	M 10	-	30,8	15

1 d_1	d_5^{***}	d_6	d_7	d_8	h_1	h_2	h_3	k	l_2	m	A/F ₁	A/F ₂	recommended tightening torque of the clamping (Identification no.) in Nm \approx	resulting stop torque on the ball in Nm \approx
23	M 5	14	11	2,5	26,6	21,7	10,6	-	-	7	9	2,5	1,5	4,5
31	M 6	18	14	3,5	35,5	29,6	14,9	-	-	9	12	3	2,5	6,5
39	M 8	24	15	4,5	45	37,2	18,9	44	30	12	13	4	4	16
49	M 8	28	19,5	4,5	56	46,1	24	49	30	16	17	4	4	20

* usable depth of thread min. $1,5 \times d_2$ ** usable depth of thread min. $1,5 \times d_3$ *** usable depth of thread min. $1,5 \times d_5$



Swivel ball joint GN 784



Flange 784.1

Specification

- Housing
Aluminum
anodized black
- Base plate, ball
Aluminum, blank
- Adjustable hand lever (Identification no. 1)
- Zinc die casting
plastic coated
silver, RAL 9006, textured finish
- Threaded stud and retaining screw
Stainless Steel AISI 303
- Set screw (Identification no. 2)
Stainless Steel AISI 304
- *Stainless Steel characteristics* → Page 1144
- **RoHS compliant**

5
ELS

Information

GN 784 Swivel ball joints allow precise and variable adjustment of the ball pivot within the rotation range. This is a particular advantage when adjusting scanners, cameras, lighting, monitors, etc.

Thanks to the efficient clamping mechanism, only small amounts of torque on the clamping screw result in comparatively strong clamping pressure on the ball. This force is easily applied by the clamping lever (Identification no. 1).

The ball joint can be mounted from below with the d_5 internal thread or together with the GN 784.1 flange, available as an accessory, using three through-holes from above.

For a permanent high stop torque, the contact surfaces of the balls must be kept free of grease. Exceeding the recommended tightening torque increases the securing of the ball joint in its end position, but may result in increased wear and potential failure of the clamping mechanism.

see also...

- *Flanges GN 784.1* → Page XYZ

On request

- Clamping with star knob DIN 6335

How to order (with female thread) GN 784-39-3/8-A-1-ELS	1	d_1
	2	d_3 (d_2)
	3	Type
	4	Identification no.
	5	Finish

How to order (with male thread) GN 784-49-M8-B-2-ELS	1	d_1
	2	d_4
	3	Type
	4	Identification no.
	5	Finish