

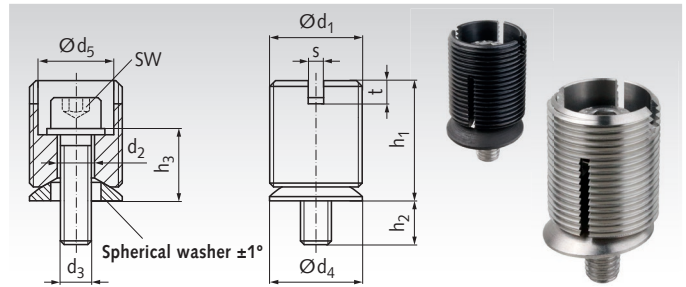
Precision Levelling Elements, Steel and Stainless Steel

Material: Steel, black oxidized, spherical washer case-hardened.
 Stainless steel 1.4305 (AISI 303),
 spherical washer 1.4305 (AISI 303).
 Screw DIN 912 stainless steel A2-70.
 Washer DIN 433 Stainless Steel 1.4301 (AISI 304).



For levelling and aligning in machines and systems. Consisting of levelling screw, hexagon socket head cap screw with washer and spherical washer. After alignment, the screw is tightened firmly with the assembly tool, whereby the levelling screw is spread by the ball washer underneath and thus secured against twisting.

Temperature range: -40°C to +175°C.



Ordering Details: e.g. Product No. 68654012, Levelling Element M12x1, Steel

Product No. Steel	Product No. Stainless Steel	d ₁ mm	d ₂ mm	d ₃ mm	d ₄ mm	d ₅ mm	h ₁ mm	h ₂ mm	h ₃ mm	s mm	SW mm	t mm	w _{max.} mm	x _{min.} mm	F** kN	Weight g
686 540 12	686 540 12A2	M12x1	4,5	M4	12	9,1	19,1	10,9	9,1	2	3	3	8	8	4,4	10
686 540 18	686 540 18A2	M18x1	7	M6	17	12,6	26,8	10,1	14,9	2	5	3	13	12	10	40
686 540 24	686 540 24A2	M24x1,5	9	M8	24	19,6	31,1	11,3	18,7	4	6	6	16	16	27	70
686 540 30	686 540 30A2	M30x1,5	13	M12	30	25,6	32,6	20,4	19,6	4	10	6	17	20	40	130
686 540 36	686 540 36A2	M36x1,5	18	M16	36	31,6	45,7	15,8	24,2	4	14	6	19	24	70	240

* See application example below. ** Static load capacity.

Precision Levelling Elements with captive Spherical Washer, Stainless Steel

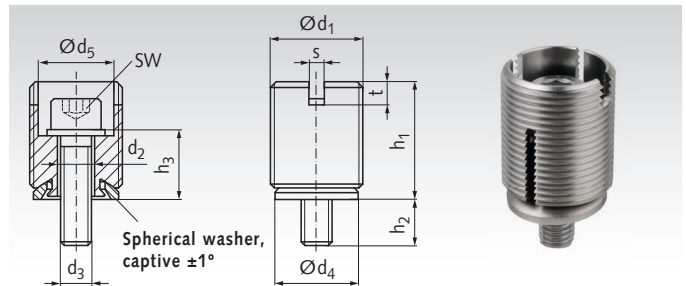
Material: Stainless Steel 1.4305 (AISI 303).
 Screw DIN 912 Stainless Steel A2-70.
 Washer DIN 433 Stainless Steel 1.4301 (AISI 304).



For levelling and aligning in machines and systems. Consisting of levelling screw, hexagon socket head cap screw with washer and spherical washer. The levelling screw and spherical washer are captively connected to each other. After alignment, the screw is tightened firmly with the assembly tool, whereby the levelling screw is spread by the ball washer underneath and thus secured against twisting.

Temperature range: -40°C to +175°C.

Ordering Details: e.g. Product No. 68654112, Levelling Element M12x1, Stainless Steel



Product No.	d ₁ mm	d ₂ mm	d ₃ mm	d ₄ mm	d ₅ mm	h ₁ mm	h ₂ mm	h ₃ mm	s mm	SW mm	t mm	w _{max.} mm	x _{min.} mm	F** kN	Weight g
686 541 12	M12x1	4,5	M4	10,5	9,1	19,4	10,6	9,4	2	3	3	8	8	4,4	10
686 541 18	M18x1	7	M6	16	12,6	27,3	9,6	15,4	2	5	3	13	12	10	40
686 541 24	M24x1,5	9	M8	21,5	19,6	30,1	12,3	17,7	4	6	6	16	16	27	70

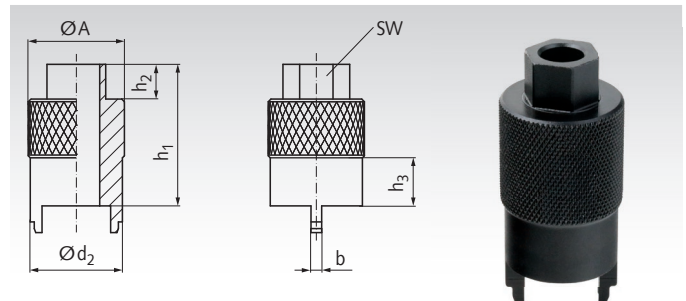
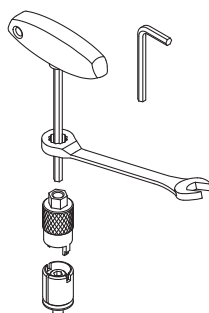
* See application example below. ** Static load capacity.

Assembly Tools for Precision Levelling Elements

Material: Steel, black oxide finish, surface hardened.

For adjusting the levelling elements. The mounting tool has an external hexagon at the upper end, which is used with a ring spanner to turn the levelling screw. The levelling screw is turned to the desired position with the assembly tool and held in place. The hexagon socket locking screw is then tightened with a hexagon spanner to fix the setting.

Assembly example:



Ordering Details: e.g. Product No. 68654012M, Assembly Tool

Product No.	A mm	b mm	d ₂ mm	h ₁ mm	h ₂ mm	h ₃ mm	SW mm	usable for d ₁ mm	Torque max. Nm	Weight g
686 540 12M	12	2	11	35	7	6	8	M12x1	20	20
686 540 18M	18	2	17	39	8	9	11	M18x1	50	60
686 540 24M	24	4	22,5	43	9	12	13	M24x1,5	75	110
686 540 30M	30	4	28,5	48	11	15	17	M30x1,5	100	160
686 540 36M	36	4	34,5	53	13	18	22	M36x1,5	150	260

Application example:

