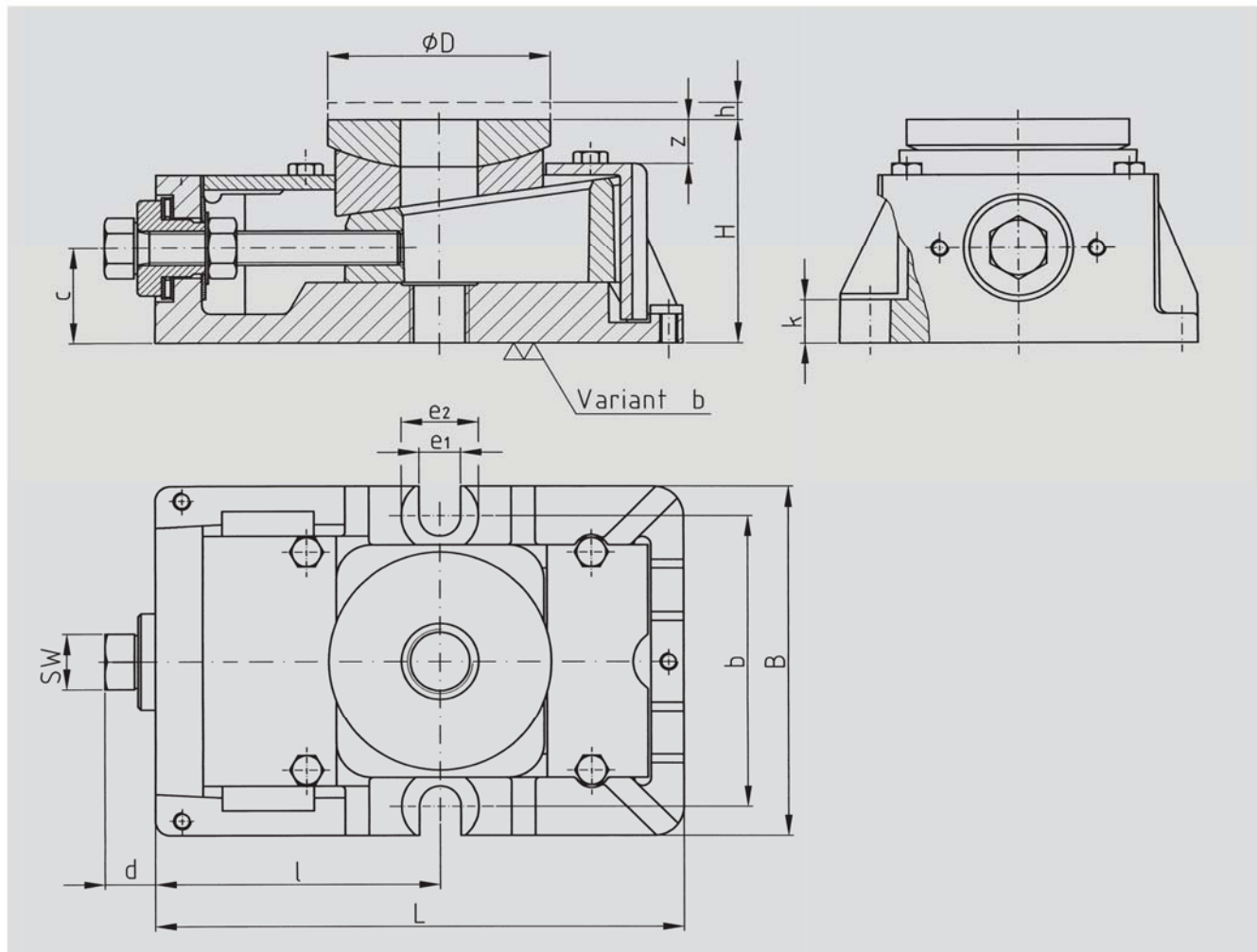


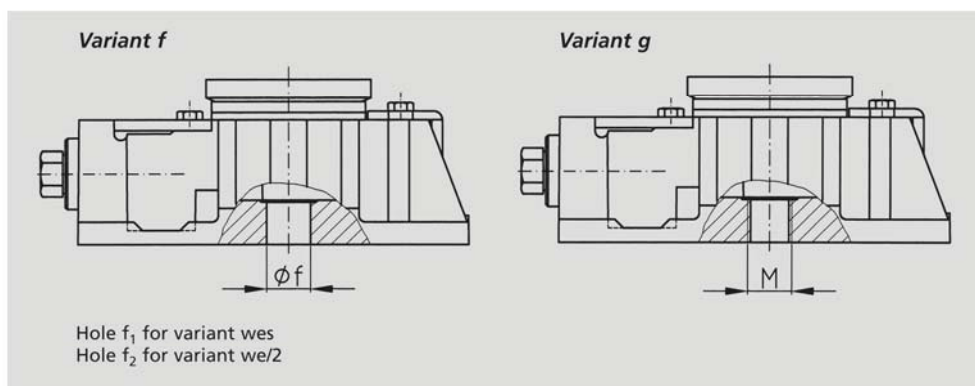
Dimensions of Series RK

GA Basic unit



Size	L	B	H*	ϕD	SW	d	c	z	h	l	b	e1	e2	k
I	175	105	55	60	19	16	21	13	5	92	90	14	26	12
II	178	120	75	75	19	15	31	15	5	96	100	14	26	13
III	220	150	95	90	24	22	40	17	6	118	130	18	32	22
IV	275	180	115	110	30	24	49	17	8	142	160	24	38	24
V	345	230	135	150	36	34	58	20	10	180	205	28	46	34
VI	420	270	165	200	46	34	67	32	13	230	245	28	46	31

*Height with machined bottom (Variant b)



Size	ϕf_1	ϕf_2	g
I	17	19	M12
II	21	25	M20
III	25	31	M24
IV	31	37	M30
V(M36)	37	44	M36
V(M42)	44	-	-
VI	58	-	M42

Technical Datas for Series RK

Size	Dim	RKI	RKII	RKIII	RKIV	RKV	RKVI	
Permissible maximum load ¹⁾	N	90 000	120 000	240 000	360 000	700 000	1 200 000	
Recommended machine dead weight ²⁾	N	10 000	20 000	40 000	60 000	120 000	200 000	
Spring constant in operation range ³⁾	N/ μ m	2 000	4 500	8 000	10 000	14 000	18 000	
Torque at adjusting screw	Specific	$\frac{\text{N}\cdot\text{m}}{10^3 \text{ kg}}$	3	3	4	4,5	5,5	7
	Maximum	N·m	27	36	96	160	385	700
	Security	N·m	2,5-5	2,5-5	3,5-7	4-8	5-10	20
Vertical Adjustment per screw turn	mm	0,25	0,25	0,29	0,35	0,43	0,5	
Weight of basic unit	kg	4	5,5	11,5	21	42	70	

¹⁾ BW-Fixators® are adjustable up to this load.

²⁾ This is the standard factor for the determination of the BW-Fixator® size.

³⁾ Found by applying a changing load equal to the recommended proportional machine load. The operating range will be covered when the machine has been levelled and bound down with the anchor bolts.

Formula for calculating the Resilience of BW-Fixators® Serie RK

$$\Delta f[\mu\text{m}] = \frac{\Delta F}{c} = \frac{\text{Load change N}}{\text{Spring constant N}/\mu\text{m}}$$

Note:

The total of the forces a - e exerted must not exceed the permissible maximum load

- a) Proportional machine load
- b) Tensile force exerted by anchor bolt
- c) Dynamic forces
- d) Changing loads (moving machine parts or workpieces)
- e) Forces counteracting moments

Determination of BW-Fixator® size

The proportional machine load recommended is a function of the net weight of the machine divided by the number of support points (BW-Fixators®).

For machinery with sizable variations in partial weight, it is the heaviest machine load that has to be divided by the number of bearing points and the resulting BW-Fixator® size has to be used everywhere under the machine.