

BW-Fixatoren® Series T

... for the Levelling,
Adjustment and Fixation
of Machinery with great
horizontal oscillating
and impact forces

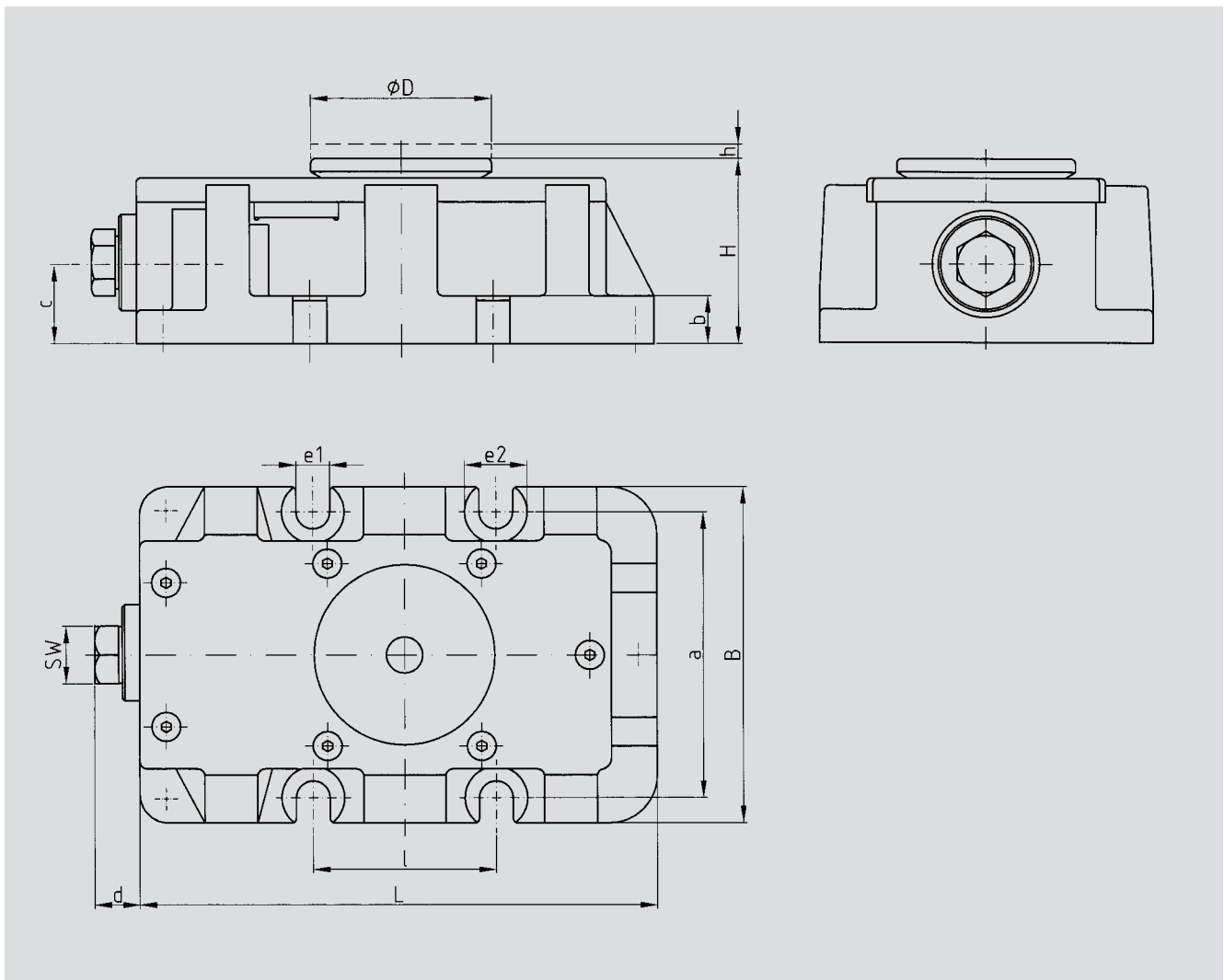
Installation Varieties and
Technical Information



BWF
...the best for accuracy.

Dimensions of Series T

GA Basic unit



Size	L	B	H	ϕD	SW	d	c	h	a	l	b	e1	e2
T20	190	115	65	60	19	23	28	4	102	70	14	10	20
T24	220	140	80	75	24	27	36	5	120	80	16	14	26
T36	280	185	110	95	30	32	50	6	160	110	20	18	31
T60	330	225	125	110	36	35	57	7	195	150	28	24	38

Technical Data of Series T

Size	Dim	T20	T24	T36	T60	
Permissible maximum load ¹⁾	N	150 000	240 000	360 000	600 000	
Recommended machine dead weight ²⁾	N	20 000	40 000	60 000	100 000	
Spring constant in operation range (static) ³⁾	N/μm	4 000	5 000	6 000	9 000	
Torque at adjusting screw	Specific	$\frac{N \cdot m}{10^3 \text{ kg}}$	2,5	3	3,5	4
	Maximum	N·m	37	72	126	240
	Security	N·m	2,5-5	3,5-7	4-8	5-10
Vertical Adjustment per screw turn	mm	0,18	0,21	0,26	0,32	
Max. horizontal load	N	50 000	75 000	100 000	170 000	
Weight of basic unit	kg	6,5	13	26	37	

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

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

³⁾ The dynamic spring constant is 2 x higher than the static one.

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

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

Note:

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

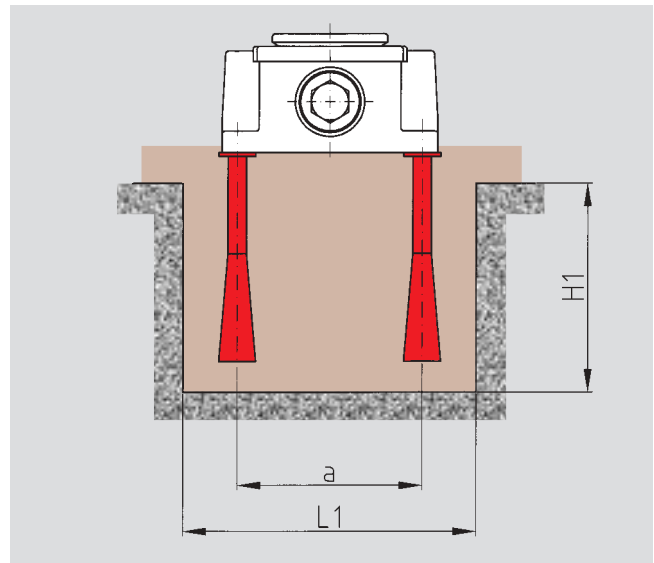
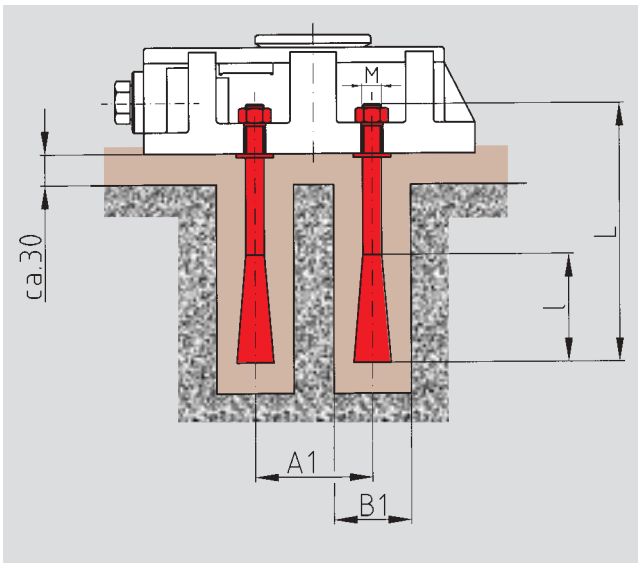
- a) Proportional machine load
- b) Tensile force exerted by anchor bolt
- c) Dynamic forces
- d) Changing loads (moving machine parts or workpieces)
- e) Forces counteracting moments

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.

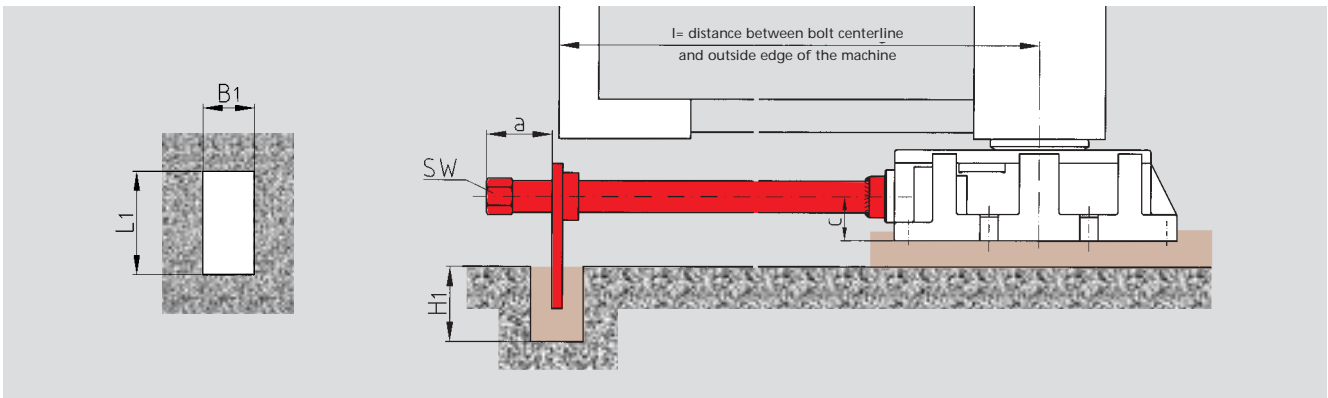
Anchor Bolts



T	M	L	l	a	Foundations				Clamping Force max. N
					L1	B1	H1	A1	
20	M8	125	55	102	150	50	120	70	50 000
24	M12	150	70	120	200	60	140	80	130 000
36	M16	250	90	160	250	70	240	110	240 000
60	M20	300	100	195	300	80	290	150	380 000

C
4 side anchor bolts
for connecting the
BW-Fixator® to the
foundation

Other Applications



T	a	c	SW	Minimum length l	Tube	Foundations		
						L1	B1	H1
20	50	28	22	150	24 x 4	80	40	70
24	50	36	22	180	24 x 4	80	40	70
36	50	50	32	220	38 x 5	100	50	100
60	50	57	32	250	38 x 5	100	50	110

le
Extended set screw on
BW-Fixator® arranged
inwards of the machine
side

Subject to modification without notice

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