

TURBINE GENERATOR APPLICATIONS (& OTHER LIFTING APPLICATIONS)

RK Fixator Technical Specifications

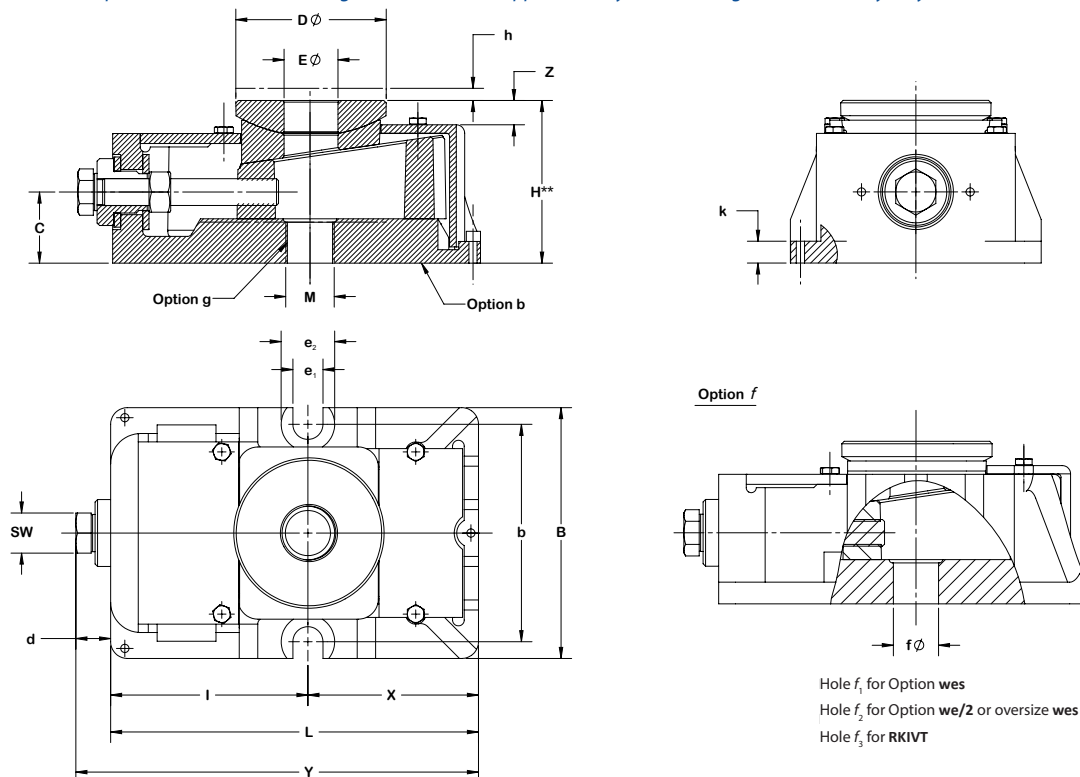
		RKI		RKII		RKIII		RKIV / RKIVT		RKV		RKVI	
Max. Allowable Lift Load/RK	N/lbs	90,000	20,000	120,000	26,500	240,000	53,500	360,000	80,500	700,000	157,000	1,200,000	269,500
Spring constant	N/μm/lbs/in.	2,000	11,420,000	4,500	25,695,000	8,000	45,681,000	10,000	57,101,000	14,000	79,942,000	18,000	102,782,000
Vertical adj. / rev.	mm/in	0.25	0.010	0.25	0.010	0.29	0.012	0.35	0.014	0.43	0.017	0.50	0.020
Max. vertical adj.	mm/in	5	0.20	5	0.20	6	0.24	8*	0.32*	10	0.40	13	0.51
Approx. torque to turn adjusting screw	Nm/1000kg Ft-lb / 1000 lbs load	3	1.0	3	1.0	4	1.3	4.5	1.5	5.5	1.8	7	2.3
Max. allowable torque on adj. screw	Nm / ft lb	27	20	36	27	96	71	160	118	385	284	700	516
Weight of basic unit	kg/lbs	4	8.8	5.5	12.1	11.5	25.3	21	46.2	42	92.4	70	154.3

*6mm with a 50mm dia. bolt. / 0.24" with 2" dia. bolt.

RK Fixator Dimensions* (mm/in)**

RK	M	L	B	H**	D Ø	SW	E Ø	d	c	z	h	l	b	e ₁	e ₂	k	X	Y	f ₁ Ø	f ₂ Ø	f ₃ Ø
I	M12	175/6.89	105/4.13	55/2.17	60/2.36	19mm	20/0.79	16/0.63	21/0.83	13/0.51	5/0.20	92/3.62	90/3.54	14/0.55	26/1.02	12/0.47	83/3.27	191/7.52	17/0.67	19/0.75	----
II	M20	178/7.01	120/4.72	75/2.95	75/2.95	19mm	26/1.02	15/0.59	31/1.22	15/0.59	5/0.20	96/3.78	100/3.94	14/0.55	26/1.02	13/0.51	82/3.23	193/7.60	21/0.83	25/0.98	----
III	M24	220/8.66	150/5.91	95/3.74	90/3.54	24mm	32/1.26	22/0.87	40/1.57	17/0.67	6/0.24	118/4.65	130/5.12	18/0.71	32/1.26	22/0.87	102/4.02	242/9.53	25/0.98	31/1.22	----
IV	M30	275/10.83	180/7.09	115/4.53	110/4.33	30mm	40/1.57	24/0.94	49/1.93	17/0.67	8/0.31	142/5.59	160/6.30	24/0.94	38/1.50	24/0.94	133/5.24	299/11.77	31/1.22	37/1.46	56/2.20
V	M36	345/13.58	230/9.06	135/5.31	150/5.91	36mm	48/1.89	34/1.34	58/2.28	20/0.79	10/0.39	180/7.09	205/8.07	28/1.10	46/1.81	34/1.34	165/6.50	379/14.92	37/1.46	44/1.73	----
VI	M42	420/16.54	270/10.63	165/6.50	200/7.87	46mm	80/3.15	34/1.34	67/2.64	32/1.26	13/0.51	230/9.06	245/9.65	28/1.10	46/1.81	31/1.22	190/7.48	454/17.87	58/2.28	----	----

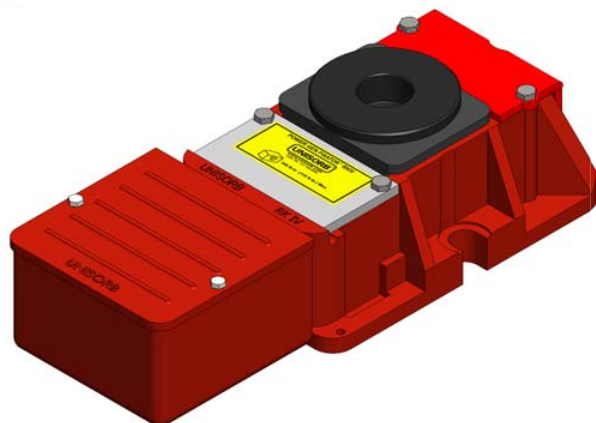
Height with machine base (Option b), for standard casting, add 2mm/0.08" (approximately) *Casting dimensions may vary.





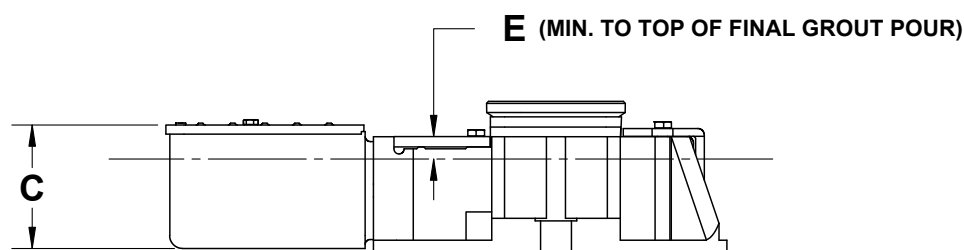
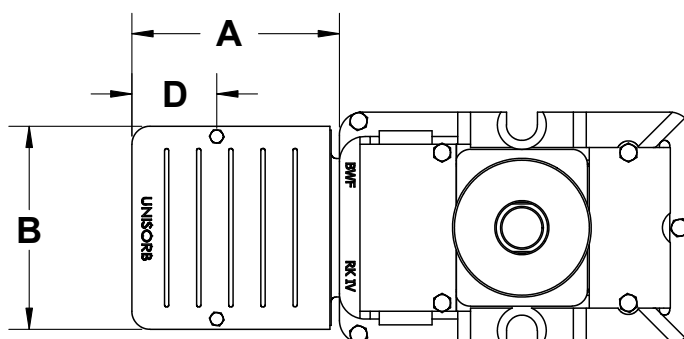
INSTALLATION SOLUTIONS

SB-0024-5, Rev. 13



Dimensions (mm/in)					
RK	A	B	C	D	E (MIN.)
II	155/6.10	158/6.22	80/3.15	66/2.60	13/0.50
III	155/6.10	158/6.22	80/3.15	66/2.60	13/0.50
IV	161.5/6.36	158/6.22	96/3.78	66/2.60	19/0.75
V	161.5/6.36	158/6.22	96/3.78	66/2.60	25/1.00
VI	200.5/7.89	191/7.52	127/5.00	66/2.60	25/1.00

Dimensions shown are nominal.



Adjustment Bolt Hex Wrench Size

	RKI	RKII	RKIII	RKIV	RKV	RKVI
	Wrench* (mm/SAE)	Wrench* (mm/SAE)	Wrench* (mm/SAE)	Wrench* (mm/SAE)	Wrench* (mm/SAE)	Wrench* (mm/SAE)
Adjustment Screw	19 / 3/4	19 / 3/4	24 / 15/16	30 / 1-3/16	36 / 1-7/16	46 / 1-13/16
Lock Nut	19 / 3/4	19 / 3/4	24 / 15/16	30 / 1-3/16	36 / 1-7/16	46 / 1-13/16
Front Cover Bolt	10 / 3/8	10 / 3/8	10 / 3/8	13 / 1/2	13 / 1/2	13 / 1/2
Rear Cover Bolt	10 / 3/8	10 / 3/8	10 / 3/8	13 / 1/2	13 / 1/2	13 / 1/2
Pre-Leveling Screw	10 / 3/8	10 / 3/8	10 / 3/8	13 / 1/2	13 / 1/2	13 / 1/2
MB Attaching Bolt	10 / 3/8	10 / 3/8	10 / 3/8	13 / 1/2	13 / 1/2	13 / 1/2
MB Cover Bolt	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8
Option le / les	19 / 3/4	19 / 3/4	19 / 3/4	19 / 3/4	19 / 3/4	22 / 7/8

*Wrench sizes shown include both metric and SAE equivalents to accommodate the adjustment bolt hex sizes.
ALL ADJUSTMENT BOLTS ARE METRIC, EXCEPT FOR OPTION LE AND LES, WHICH ARE SAE.