



DRIVES: PRODUCTION – TECHNICAL ADVISORY – DESIGN ENGINEERING - SERVICE
 Since 1982 KACPEREK has been a reliable Polish producer of drives and transmission parts

SCREW JACKS type MRP

Screw jacks type MRP are mechanical devices used for linear tracking for distance up to 2,5 meters:

- vertical tracking (lifting, dropping) objects of a weight up to 10 tons
- horizontal tracking (pulling, pushing, pressing) objects of a much greater weight than this described for vertical tracking, depending on basis.

Screw jacks enable to obtain different speed of load tracking, not exceeding maximum speed specified for particular size of screw jack.

Sizes of MRP screw jacks:

- MRP-26** with static capacity of **500 kg,**
 - MRP-32** with static capacity of **800 kg,**
 - MRP-40** with static capacity of **1.500 kg,**
 - MRP-63** with static capacity of **3.500 kg,**
 - MRP-80** with static capacity of **5.000 kg,**
 - MRP-100** with static capacity of **10.000 kg;**
- larger actuators available on request.

Types of MRP screw jacks:

- MRP/SP** with a sliding screw
 - MRP/SO** with a rotating screw and brown sliding flange nut.
- The maximum total length of the carrier bolt is 3 meters, and a maximum lifting speed is 2.6m/min (~44 mm/s).

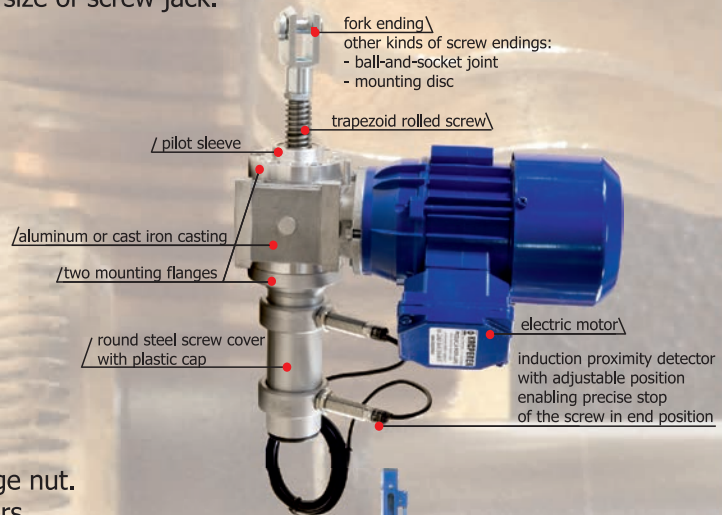
Features of MRP screw jacks:

- possible application with electric motor or for hand drive,
- possible production of special versions according to customer demands e.g. with unusual motor connection, with unusual hand drive shaft, the double-side worm shaft, safety nut, etc.,
- many variants of screw ends;

With MRP screw jacks we offer technical advice to optimize the selection for specified by customer work conditions.

Application:

- lifts with low work intensity e.g. systems of lifting and dropping of podiums, stages and other objects;
- positioning drives for assembling benches, technological equipment units;
- regulators of smoke damper systems;
- drives of slow-moving elevators, trucks.



		MRP-26				MRP-32				MRP-40				MRP-63				MRP-80			
static capacity	Q _s [kN]	5				8				15				35				50			
ratios	i	7,5/10/15/19/25,5/30/38/51/60/78				7,5/10/16/19,5/24,5/32/39/49/66/80/100				7,5/10/15,5/21/25,5/31/42/51/64/86/100				7,5/10/16/19,5/24,5/32/39/49/66/80/100				7,5/10/15,5/21/25,5/31/42/51/64/86/100			
parameters achieved with specified ratio	i	7,5		15		7,5		16		7,5		15,5		7,5		16		7,5	15,5		
screw	d x p	20x4	24x5	20x4	24x5	20x4	24x5	20x4	24x5	24x5	30x6	24x5	30x6	36x6	40x7	36x6	40x7	44x7			
lead [mm] per worm shaft turn		0,53	0,67	0,27	0,33	0,53	0,67	0,25	0,31	0,67	0,8	0,32	0,39	0,8	0,93	0,37	0,44	0,93	0,45		
max. motor power (1400 rpm)	P _{s max} [kW]	0,12		0,06		0,18		0,09		0,12		0,37		0,25		1,1		0,75		2,2	1,1
dynamic capacity for P _{s max}	Q _d [kN]	2,1	1,9	1,9	1,7	3,3	2,8	3,3	3,6	5,8	4,7	7,6	6,1	14,3	11,8	19,4	16	21,9	21,3		

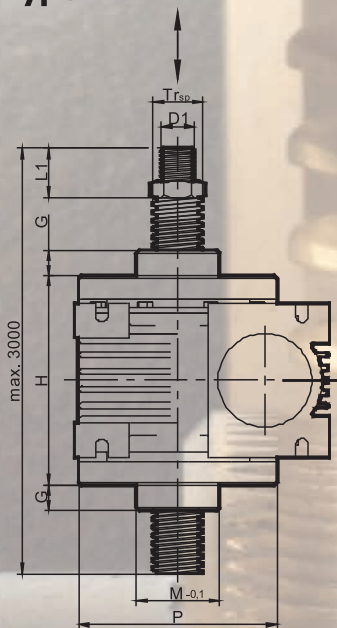
SCREW JACKS type MRP

overall and mounting dimensions

type	A	B	C	D	D1	D2 j7	E	F	G	H	J	K	L	L1	L2	M	N	P	R	S	Tr _{sp}	Tr _{so}	T
MRP-26	26	90	37	9	M12	15	103	66	8	80	15	3	20	24	20	38	60	72,5	91	54	20x4	24x5	10,4
MRP-32	32	116	50	11	M12	15	134	84	7,5	107	18	2,5	23	24	20	38	78	94	117	67	20x4	24x5	12,5
MRP-40	40	130	55	14	M16	20	154	99	14	128	25	2,5	30	30	25	44	87	105	127	72	24x5	30x6	16
MRP-63	63	185	75	24	M24	25	214,5	139,5	18,5	152	40	5	50	46	30	60	125	144	177	102	36x6	40x7	27,5
MRP-80	80	230	95	28	M30	30	270	175	20	190	40	10	60	57	40	75	160	182	217	122	44x7	44x7	31,5

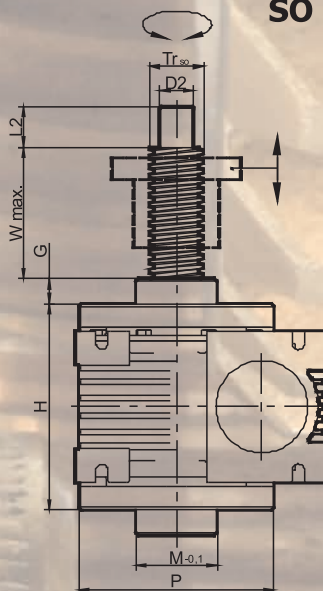
SP type

SP version price-list	
type with sliding screw	price EUR
MRP-26/SP	140 €
MRP-32/SP	180 €
MRP-40/SP	230 €
MRP-63/SP	330 €
MRP-80/SP	440 €
MRP-100/SP	910 €



SO type

SO version price-list	
type with rotating screw	price EUR
MRP-26/SO	120 €
MRP-32/SO	130 €
MRP-40/SO	160 €
MRP-63/SO	220 €
MRP-80/SO	310 €
MRP-100/SO	780 €



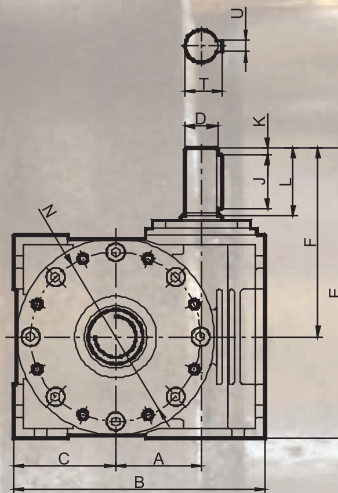
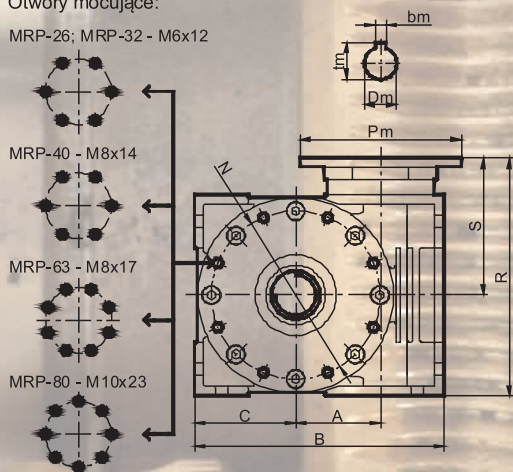
Otwory mocujące:

MRP-26; MRP-32 - M6x12

MRP-40 - M8x14

MRP-63 - M8x17

MRP-80 - M10x23



MRP version to connect with motor

RP version for hand drive

motor flange					MRP-26	MRP-32	MRP-40	MRP-63	MRP-80/100
silnik	Pm	Dm	bm	tm					
56B14	80	9	3	10,4	x				
56B5	120	9	3	10,4		x	x		
63B14	90	11	4	12,8		x			
63B5	140	11	4	12,8		x	x		
71B14	105	14	5	16			x		
71B5	160	14	5	16			x	x	
80B14	120	19	6	21,8				x	
80B5	200	19	6	21,8				x	x
90B14	140	24	8	27,5				x	
90B5	200	24	8	27,5				x	x
100B14	160	28	8	31,5					x
100B5	250	28	8	31,5					x