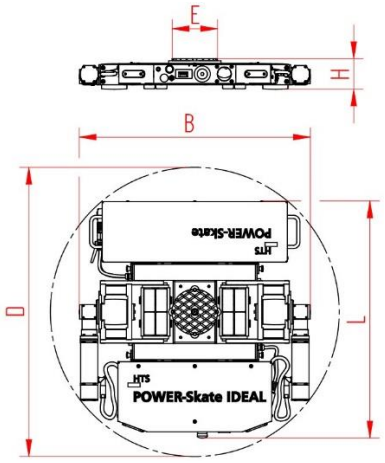
POWER-Skate® IDEAL PSI 5-10 DUO

Load Moving Skate, radio-controlled, 3-/4-point support



Description:

Two interlinked, battery-operated, radio remote-controlled heavy-duty load moving skates for professional, in-house transport of heavy goods on clean and even floor. With the single-joystick remote control every movement is proportionally and exactly executed. Single operation possible at any time. Equipped with LiFePo4 battery, radio control, chargers, turn table with an anti-slip pad, high-quality HTS nylon load wheels and polyurethane traction wheels. They are abrasion-resistant, non-marking and cut-resistant as well as suitable for all smooth floors. Combined with one or two non-bolted ROTOflex skates of the same height these DUO-skates form a safe overall with 3-/4-point load moving system. The capacity of the skates has to correspond to the load of the POWER-Skates.

Technical data skate:

10.054.59.30	**L x B x H** **884 x 869 x 110 mm**	**E** **Ø170 mm**
94 kg (2x)	**5000 daN**	**10000 daN**
D **1080 mm**	**2 h / 3,5 h**	**2,4 GHz**
V_{max} = 0,5 km/h	**≥ 0,3**	**according to DIN 18202 table 3, line 3**

Technical data load wheel:

11.085.11.34	**Ø85 x 43,5 - Ø25 mm**	
8	**6 x 40 = 240 mm²** **▼ 20,8 MPa**	
NY	**19,2 cm²**	

Observe operating instruction, their safety instructions and local conditions!

part no.	dimensions [mm] L x B x H	weight [kg]	capacity of skate [daN]	maximum tensile load [daN] with 2 additional support points
dimensions of loaded area [mm]	turning circle D [mm] single skate	Running time under full load / charge time [h] with HTS-charger. Fast charger on request.	radio frequency (others on request)	
number of wheels	dimensions of wheel, diameter of ball bearing [mm]	area of wheel [mm²] surface pressure ▼ [N/mm²]	loaded area per skate [cm²]	MAT wheel material layer, core: AL aluminium, NY nylon, PU polyurethane, ST steel
maximum speed [km/h]	required friction coefficient drive wheel / floor	floor conditions		

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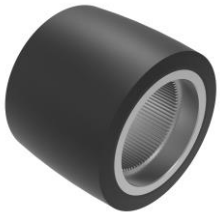
Technical data traction wheel:

#	**93.100.11.00**
#	**2**
MAT	**PU 85 Shore A, ST**
	Ø95 x 95 mm
	11 x 100 = 1100 mm² **▼ 7,7 MPa**
	22 cm²



Possible combination:

1	**PSI 5-10 DUO** (10.054.59.30)	**RFN60** * (10.060.09.41)
		
2	**PSI 5-10 DUO** (10.054.59.30)	**RFN60** (2x) * (10.060.09.41)
		

Fix load at every support point against shift of load when using a 4-point load moving system.
Attention: Do not overload a skate because of an uneven floor!

Single operation:

1	**PSI 5-10 DUO** (only one skate) (10.054.59.30.)	**iN80S** * (10.080.01.20)
		

* Not included in delivery.

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# part no.	dimensions [mm] L x B x H	weight [kg]	capacity of skate [daN]	maximum tensile load [daN] with 2 additional support points
■ Ø dimensions of loaded area [mm]	turning circle D [mm] single skate	Running time under full load / charge time [h] with HTS-charger. Fast charger on request.	radio frequency (others on request)	
# number of wheels	dimensions of wheel, diameter of ball bearing [mm]	area of wheel [mm²] surface pressure ▼ [N/mm²]	loaded area per skate [cm²]	MAT wheel material layer, core: AL aluminium, NY nylon, PU polyurethane, ST steel
0,5 maximum speed [km/h]	μ required friction coefficient drive wheel / floor	floor conditions		

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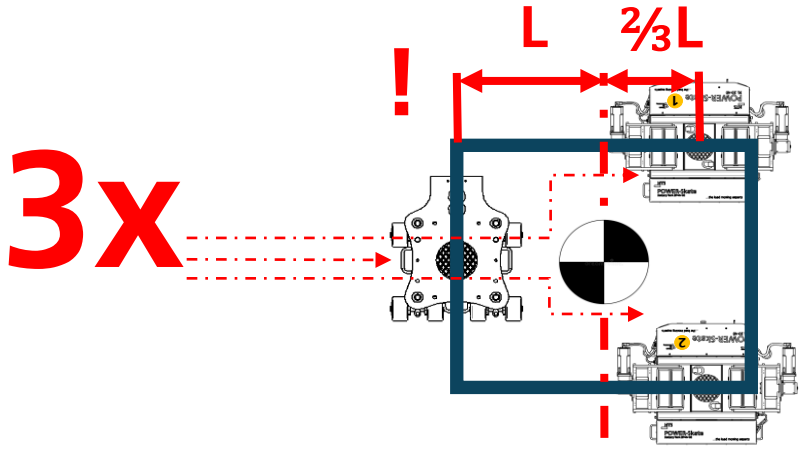
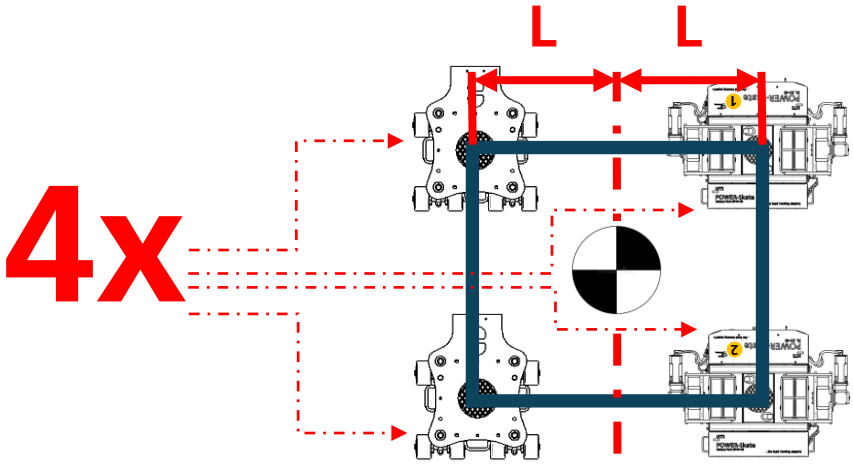
Load distribution:



skates	max. single capacity	max. total capacity
PSI 5-10 DUO + RFN60	5 t + 5t + 6t	16t



skates	max. single capacity	max. total capacity
PSI 5-10 DUO + RFN60 + RFN60	5 t + 5t + 6t + 6t	20t

Fix load at every support point against shift of load when using a 4-point support.
Attention: Do not overload a skate because of an uneven floor!

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ø dimensions of loaded area [mm]	turning circle D [mm] single skate	Running time under full load / charge time [h] with HTS-charger. Fast charger on request.	radio frequency (others on request)	
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0,5 maximum speed [km/h]	μ required friction coefficient drive wheel / floor	floor conditions		