

Electro-mechanical applied disc brake

Dellner Brakes model SKDe 50 is an electro-mechanical, direct acting, pliers type of brake. The brake consists of two lever arms with electrically powered engagement and disengagement. The lever arms generate the brake force at a ratio of 1:4,3.

The standard disc thickness is 25 mm. For use with thicker brake discs, the brakes can be supplied with spacers.



Model	Braking force ¹⁾ F_{max} [N]	Engaging time ²⁾ [s]	Friction area per brake [cm ²]	Electrical power [230VAC] [kW]	Weight [kg]
SKD e50	16200	4,5	63,5	0,37	47

1) Calculated with an average frictional coefficient $\mu=0,42$. Consideration has not been taken for external factors.

2) Time to engage the brake to full braking force with air gap 4+4mm and new friction pads.

