



VKJ-650
Hydraulic Disc
Brake

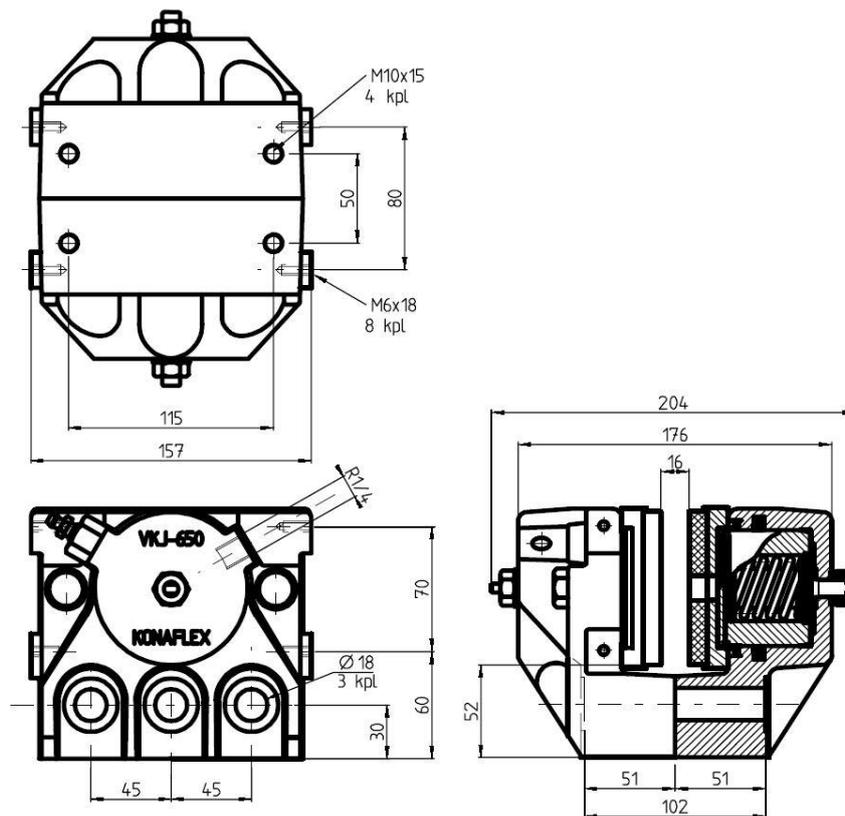
MASINO-KONAFLEX VKJ-650 DISC BRAKE

VKJ-650 disc brake is activated directly with hydraulic pressure. The brake consists of two identical brake halves and the achieved brake torque is directly relevant to the hydraulic pressure used. The basic brake is designed for a brake disc not thinner than 12 mm, but it can be used with thicker discs by using distance plates between the brake halves.

Wear of the asbestos free linings will be automatically compensated by the increased piston stroke. Due to a return spring assembled inside the piston, the brake can also be mounted horizontally. The spring force has been chosen so, that it allows a small pipe pressure (<2 bar), when friction pads are in a retracted position.

Maximum operating pressure is 100 bar. Each brake is tested at a pressure of 150 bar before delivery to the customer. The brake is surface treated and can be used in normal industrial environments with no further treating. The VKJ-650 can be installed either with four M10 screws or with three M16 bolts, if the brake disc is thicker than 12 mm and the design of machine body allows it.

Also available side mounting model, where one caliper half is replaced by side mounting body.



TECHNICAL SPECIFICATION

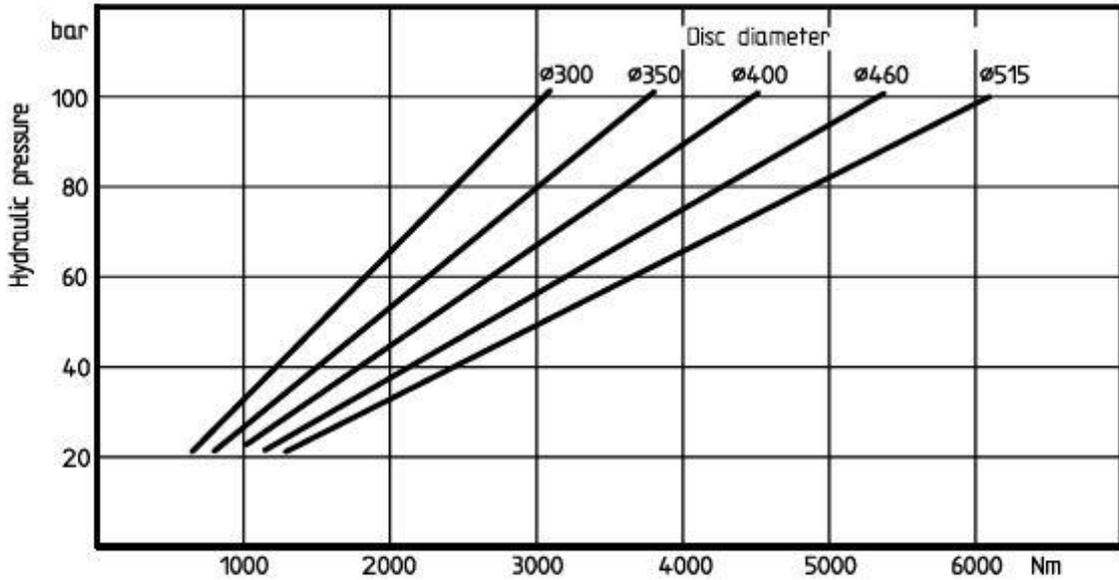
<i>Piston area per brake half</i>	<i>Friction pad area per brake half</i>	<i>Friction pad volume per brake half</i>	<i>Friction coefficient</i>	<i>Max hydraulic pressure</i>	<i>Braking force</i>	<i>Weight</i>
33 cm ²	110 cm ²	110 cm ³	0,42	100 bar	280 N/bar 28000 N max	15 kg

BRAKING CALCULATIONS:

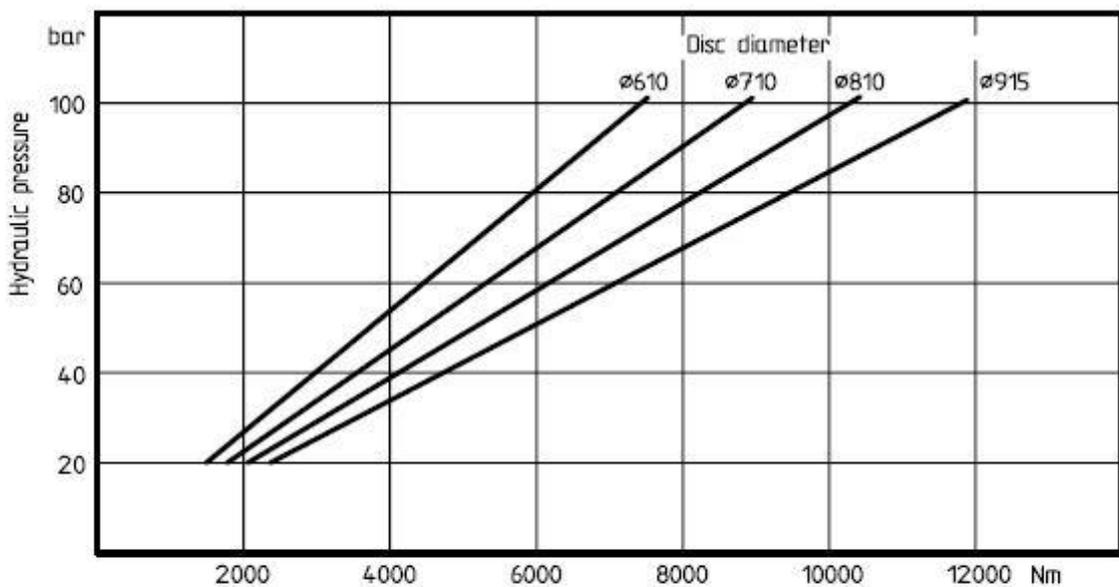
Mj=braking torque (Nm)
 $Mj = a \times F \times (D - 0,084) / 2$

F=braking force (N)
 D=brake disc's diameter (m)
 a=number of brakes

VKJ-650 DISC BRAKE



NOTE: For holding duty the above torque values to be reduced by 50 %



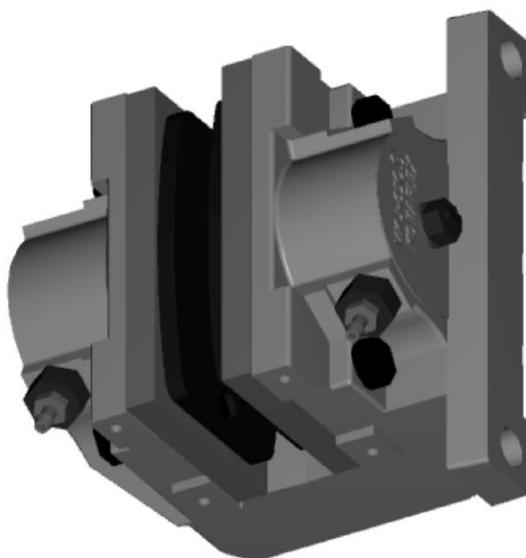
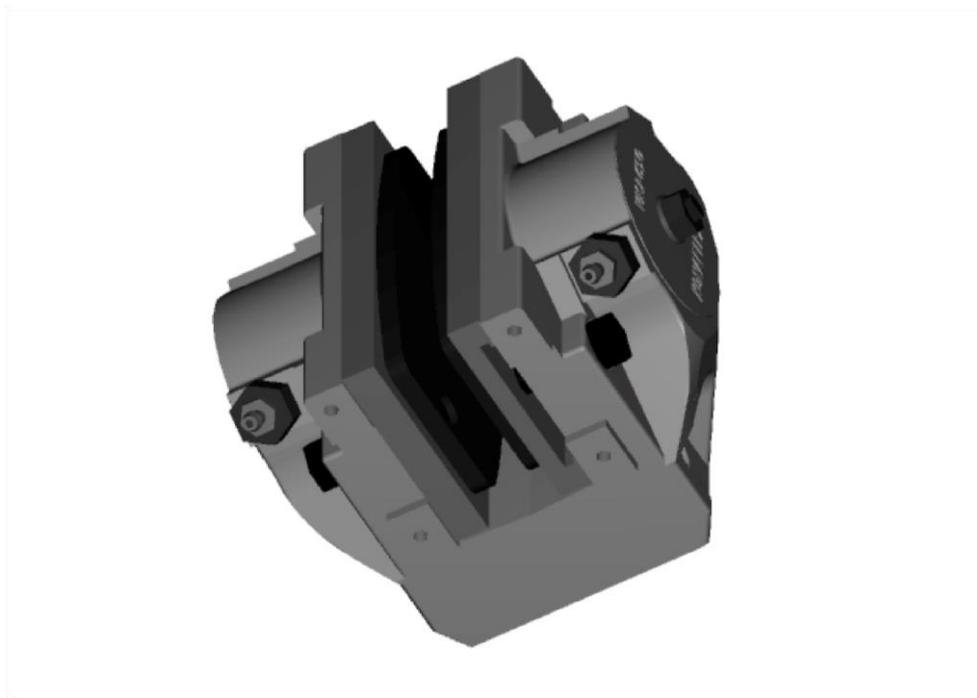
NOTE: For holding duty the above torque values to be reduced by 50 %

VKJ-650 is suitable for stopping and holding duties, tension control and emergency braking systems.

Available also:

-CAD-drawings dwg- and dxf-format

-3d-drawings in iges-format.





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Masino-Konaflex on osa Masino Groupia. Masino Group on suomalainen yritysryhmä, joka palvelee muun muassa metalli-, kaivos- ja rakennusteollisuuden tarpeita laajalla asiantuntemuksella ja monipuolisella tuote- ja palveluvalikoimalla. Edustustuotteiden lisäksi on omaa tuotantoa, loppukokoonpanoa sekä sopimusvalmistajilla valmistettavia tuotteita. Palveluita ovat mm. teollisuushuolto sekä hyllytys- ja varastointipalvelut. Liikevaihto on noin 80 M€ ja henkilöstön määrä 180. Toimipisteet sijaitsevat Suomessa ja Virossa.