

# INKOMA /ALBERT

Great ideas need drive.

## INKOCROSS COUPLINGS

The INKOMA KWK is a machine component which uniformly transmits torque between input and output. The INKOMA-Inkocross coupling can tolerate a parallel offset and an angular deflection of the shafts. In addition it may be loaded axially in both tension and compression.





**THE INKOMA-INKOCROSS-COUPLING IS AVAILABLE IN THE FOLLOWING VERSIONS**

**A1 = Flange version (See fig. 1)**

Both outer discs have fixing holes for socket head cap screws for connecting components.

**A2 = Hub version (See fig. 2)**

Both outer discs have finished bores in outward facing hubs and keyways to BS 4235 (DIN 6885).

**A3 = Tension hub version (See fig. 3)**

Flange version with additional shrink disc. The shrink disc allows keyless fitting to the shaft.

**A7 = Split hub version (See fig. 4)**

This hub version has two components - a fixed and a removable part allowing radial clamping to the shaft, it also has a keyway to BS 4235 (DIN 6885). This version requires no axial displacement of the shaft for assembly and disassembly.

**Combinations**

Each coupling can combine any of these versions. E.g. A1/A2 - one side with flanged version with fixing holes for socket head cap screws and the other side with outward facing bored hub with keyway to BS 4235 (DIN 6885)

**Special versions**

In addition to basic versions, customer specific executions are also possible e.g. incorporating sprocket, gears, shaft, etc. in the outer discs.

**MAIN FEATURES**

- rotationally stiff shaft connection with compensation of radial and angular offset
- provides synchronous transmission whilst radially offset
- extremely high torque transmission
- simple assembly and disassembly
- good fail safe characteristics due to special materials

# TECHNICAL INFORMATION

MODEL	RADIAL OFFSET <sup>1</sup> ±R. [MM]	ANGULAR MISALIGNM. ±α [°]	STATIC TORQUE T <sub>STAT.</sub> [NM]	INERTIA <sup>2</sup> J [KG CM <sup>2</sup> ]
KWK-16.12	1	3	6	0,00072
KWK-20.18	2	3	15	0,0052
KWK-26.25	3	3	19	0,0156
KWK-35.40	3	3	71	0,580
KWK-44.50	3	3	78	1,594
KWK-64.70	3,5	3	104	8,024
KWK-64.90	3,5	3	586	26,629
KWK-64.120	4	3	910	82,980
KWK-64.150	4	3	1183	205,59
KWK-80.100	5	3	624	54,375
KWK-80.120	5	3	910	110,34
KWK-80.140	5	3	1183	205,80
KWK-80.160	6	3	1560	338,24
KWK-95.140	5	3	1183	244,51
KWK-95.160	6	3	1560	52,08
KWK-110.160	6	3	1560	480,00
KWK-110.180	7	3	2730	765,86
KWK-110.200	8	3	2730	1163,00
KWK-120.200	8	3	2730	1224,00
KWK-120.250	10	3	6630	2951,60
KWK-120.310	15	3	13000	6944,43

fig. 1



fig. 2

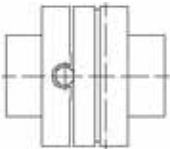


fig. 3

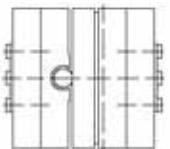
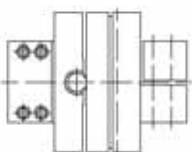


fig. 3



<sup>1)</sup> depends on the speed, valid for up to 500 1/min

<sup>2)</sup> for version A1 - A1

Request our complete catalogue or visit us on the Internet.  
You can obtain a free download of our brochure or the product  
drawing of the selected item using the CADENAS facility.

# INKOMA /ALBERT

Great ideas need drive.

© Maschinenfabrik INKOMA 2014  
Photography, layout, concept: www.fbwk.at



INKOMA Maschinenbau GmbH  
Lange Göhren 14  
D- 39171 Osterweddingen  
T: +49 (0) 39205 453-0  
F: +49 (0) 39205 453-433  
info@inkoma.de  
[www.inkoma.de](http://www.inkoma.de)