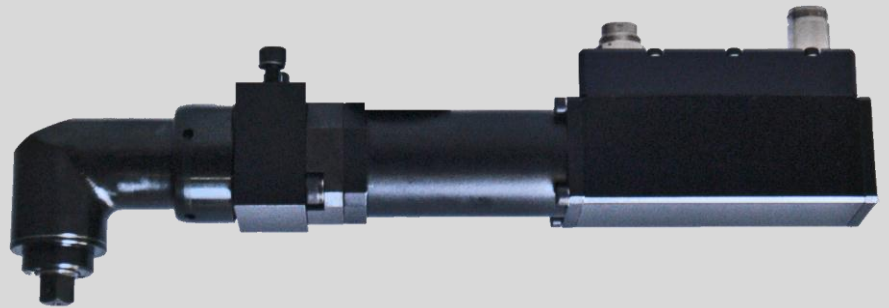


HIGH POWER systems

Compact Nutrunner KCX with Angle Drive



Small, lightweight, powerful

The new built-in nutrunners from the KCX Series are ultra-compact and extremely lightweight. They were developed especially for applications where nutrunner space requirements and weight play a critical role. This is true for all applications where single or multi-channel nutrunner systems are used in very narrow work areas. Examples for this are robotic applications, e.g. the assembly of sunroofs or airbags.

Our new KCX nutrunners are, however, not only compact and lightweight; they are also very fast. With the use of a newly developed, high-dynamic motor, it is possible to increase nutrunner power, compared to previous generations, by up to 35%. This saves fastening time ... you save money.

Robust design

Compact nutrunners in the KCX series from AMT are designed for rugged industrial applications. Both motor and gearbox are configured for long-life operation. This robust design leads to an **increase in lifetime** and, as a result, a **minimum in maintenance costs**.

Integrated data chip

Compact nutrunners in the KCX series also feature an integrated data chip that stores all relevant spindle data. This data can be automatically read on any AMT control, as soon as a new tool is connected to the control. Time consuming and tedious parameter definitions become a thing of the past. The data chip also stores the number of executed fastening cycles. This allows for the development of individualized service intervals, in line with preventive maintenance.

Safeguarding the fastening process

All KCX compact nutrunners have reaction torque sensors, in addition to gathering rotation angle data from the resolver. As a result, fastening processes are performed with maximum precision and consistent quality. While recording the rotation angle, the control monitors whether or not the specified torque is actually being applied to the fastened assembly. In addition, the tool's current consumption, equivalent to the torque, is used as a redundant control variable in all AMT controls. By doing this, all requirements for safe, reliable, and high quality fastened assemblies are met.

High Power Schraubtechnik



Technical Data

General

- Brushless drive motor with a linear Hall sensor for rotary positioning.
- Integrated data chip for
 - spindle identification
 - fastening cycle counter
- Reaction torque sensor
- Minimum speed: 0 rpm
- Angle accuracy: $\pm 3^\circ$, absolute
- Fastening torque tolerance: $\pm 7\%$ Cm/Cmk $\geq 1,67$

HIGH POWER systems

Compact Nutrunner KCX

with Angle Drive

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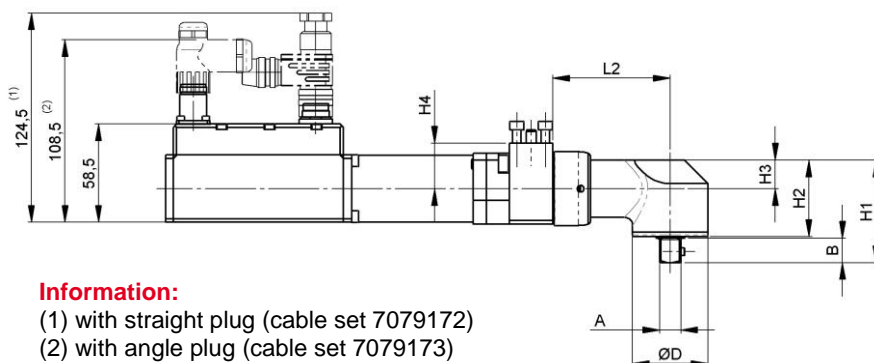
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www.alfing.de

KCX with angle drive

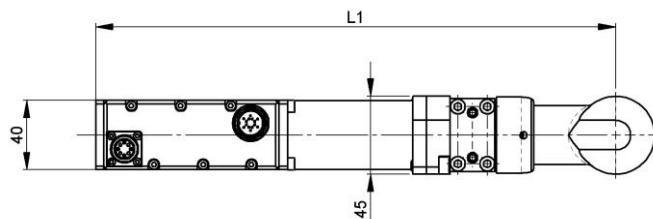
Max. torque capacity in Nm	Type	Max. idle speed rpm	Length mm	Angle head Ø mm	Weight mm	Ident-No.
50	KCX1048WV38	350	294	35	2,00	70034970
83	KCX1083WV12	190	301	45	2,20	70034980



Information:

(1) with straight plug (cable set 7079172)

(2) with angle plug (cable set 7079173)



Mass	KCX1048WV38	KCX1083WV12
A	3/8"	1/2"
B	10,4	14,5
ØD	35	45
H1	68	61
H2	57	45,5
H3	17	17
H4	25	27
L1	294	301
L2	63,5	70

Information:

Please note the duty cycle and the tightening torque tolerance.

If you have any further queries, please do not hesitate to contact our sales department.