



KDS Screwdrivers for Automation | Torque range 0.05 – 50 Nm

The KDS CA screwdrivers are part of the K-DUCER series for automated applications. They are the ideal solution for assembly lines with robots or any other machine requiring Industry 4.0 standards. The torque range covers 0.1 - 50 Nm.

Excellent precision and accuracy

KDS transducerized screwdrivers are designed to ensure a high-quality torque and angle-controlled tightening experience. The built-in transducer and torque-angle feature guarantee maximum precision and accuracy.

Perfect for automatic machines

KDS CA transducerized screwdrivers are very easy to install on robots, automatic machines and autofeeding systems. KDS CA/FN models are supplied with flange and telescopic spindle specifically designed for demanding applications. Models with 90° angle heads for hard-to-reach screws are also available.

Designed for Industry 4.0

The K-Ducer series screwdrivers guarantee total traceability, according to Industry 4.0 standards. Their built-in LED signals provide immediate feedback on each tightening process. KDS screwdrivers work in combination with KDU control units to collect and analyse detailed assembly information. Integrating the K-Ducer in your smart factory will be effortless, thanks to the built-in Modbus TCP and Open Protocol connectivity. The built-in transducer continuously reads torque and screw position and sends the collected data to the KDU control unit for analysis (more information on KDU features on page 12).

Available housings

	ALUMINIUM BODY (KDS-PL CA) – Specifically designed for automation. Easy to install on any machine or robot.
	ALUMINIUM BODY WITH FLANGE MOUNT (KDS-PL CA/FN) – Ideal for automated high volume/high duty applications. Flange and telescopic spindle available together or separately.
	ANGLE MODELS (KDS-PL CA/ANG) Models for automation, with angle head attached for hard-to-reach screws.



Aluminium housing KDS Screwdrivers

Code	Model	Torque Nm	RPM min-max	Dimensions mm	Weight kg	Bit Drive
165150	KDS-NT70CA	0.05 - 0.7	20 - 700	221 x 27	0.3	Hex 1/4"
165150/HM	KDS-NT70CA/HM	0.05 - 0.7	20 - 700	221 x 27	0.3	Mezzaluna 4 mm
165151	KDS-NT120CA	0.2 - 1.2	20 - 430	221 x 27	0.3	Hex 1/4"
165151/HM	KDS-NT120CA/HM	0.2 - 1.2	20 - 430	221 x 27	0.3	Mezzaluna 4 mm
175115	KDS-MT1.5CA	0.1 - 1.5	50 - 850	237 x 40	0.9	Hex 1/4"
135103	KDS-PL3CA	0.4 - 3	50 - 1800	248 x 40	0.9	Hex 1/4"
135106	KDS-PL6CA	0.5 - 6	50 - 850	248 x 40	0.9	Hex 1/4"
135110	KDS-PL10CA	0.8 - 10	50 - 600	248 x 40	0.9	Hex 1/4"
135115	KDS-PL15CA	0.5 - 15	50 - 320	248 x 40	0.9	Hex 1/4"
135120	KDS-PL20CA	2 - 20	20 - 210	297 x 48	1.3	Sq 3/8"
135135	KDS-PL35CA	3 - 35	20 - 140	318 x 57	1.8	Sq 3/8"
135150	KDS-PL50CA	5 - 50	20 - 90	322 x 57	1.8	Sq 1/2"

Aluminium housing KDS Screwdrivers with flange mount

Code	Model	Torque Nm	RPM min-max	Dimensions mm	Weight kg	Bit Drive
165151/FN	KDS-NT120CA/FN	0.2 - 1.2	20 - 430	316 x 40	1.1	Hex 1/4"
175115/FN	KDS-MT1.5CA/FN	0.1 - 1.5	50 - 850	316 x 40	1.1	Hex 1/4"
135103/FN-1/4	KDS-PL3CA/FN-1/4	0.4 - 3	50 - 1800	350 x 40	1.1	Hex 1/4"
135106/FN	KDS-PL6CA/FN	0.5 - 6	50 - 850	350 x 40	1.1	Sq 3/8"
135106/FN-1/4	KDS-PL6CA/FN-1/4	0.5 - 6	50 - 850	350 x 40	1.1	Hex 1/4"
135110/FN	KDS-PL10CA/FN	0.8 - 10	50 - 600	350 x 40	1.1	Sq 3/8"
135110/FN-1/4	KDS-PL10CA/FN-1/4	0.8 - 10	50 - 600	350 x 40	1.1	Hex 1/4"
135115/FN	KDS-PL15CA/FN	0.5 - 15	50 - 320	350 x 40	1.1	Sq 3/8"
135115/FN-1/4	KDS-PL15CA/FN-1/4	0.5 - 15	50 - 320	350 x 40	1.1	Hex 1/4"
135120/FN	KDS-PL20CA/FN	2 - 20	20 - 210	383 x 48	1.6	Sq 3/8"
135135/FN	KDS-PL35CA/FN	3 - 35	20 - 140	409 x 57	2.1	Sq 3/8"
135150/FN	KDS-PL50CA/FN	5 - 50	20 - 90	420 x 43	2.3	Sq 1/2"

Aluminium housing KDS Screwdrivers with angle head

Code	Model	Torque Nm	RPM min-max	Dimensions mm	Weight kg	Bit Drive
135103/A	KDS-PL3CA/ANG	0.4 - 3	50 - 1800	280 x 40	0.7	Hex 1/4"
135106/A	KDS-PL6CA/ANG	0.5 - 5.5	50 - 850	280 x 40	0.7	Hex 1/4"
135110/A	KDS-PL10CA/ANG	0.8 - 9	50 - 600	280 x 40	0.7	Hex 1/4"
135115/A	KDS-PL15CA/ANG	0.5 - 12	50 - 320	280 x 40	0.9	Hex 1/4"

Disegni 2D e 3D disponibili su kolver.com // **IMPORTANTE: È sconsigliato l'uso continuo oltre l'80% del campo di coppia.**

Gli avvitatori KDS lavorano in combinazione con le unità di controllo serie KDU. Ulteriori informazioni a pagina 12.