

- Compact style
- Precise servo technology

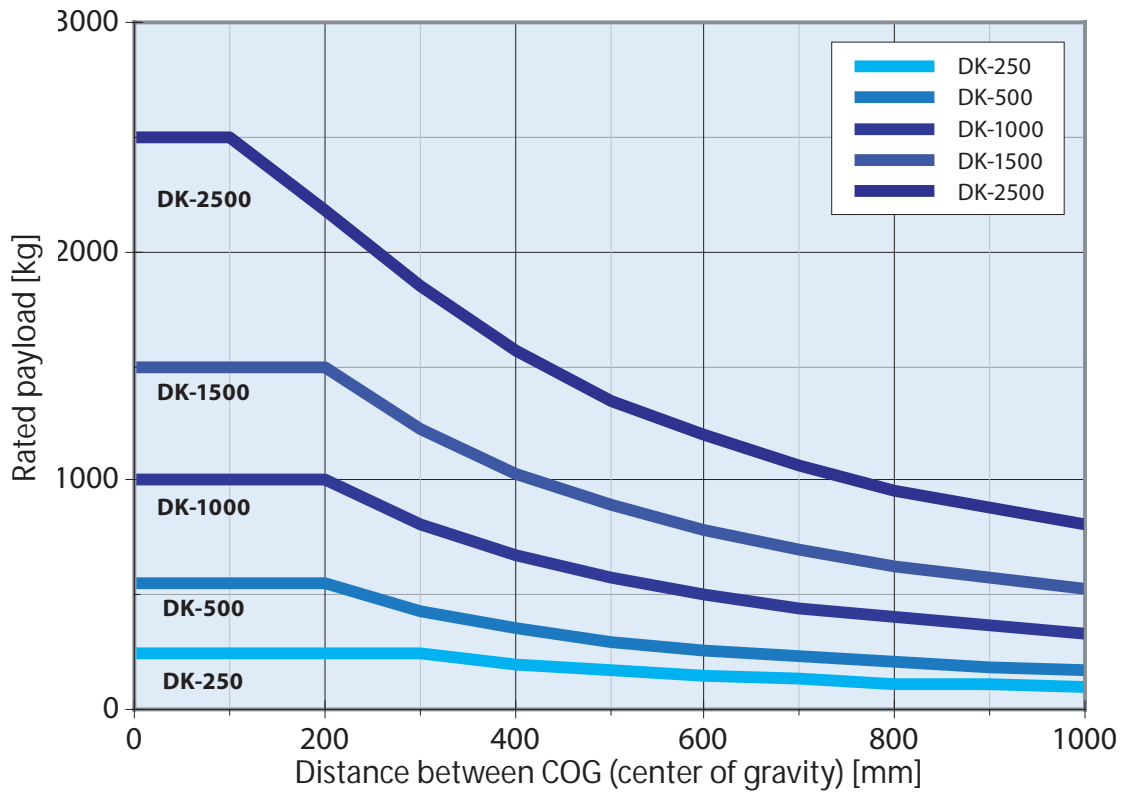
This is a 1-station positioner with a rotary and a tilt axis. The rotary axis can be rotated endlessly and the tilt axis +/- 90°. The DK 250 and DK 500 positioners do not have a thrust bearing. For greater loads the DK 1000 to DK 2500 positioners are used, because the rotary axis is supported by a thrust bearing. The workpiece diameter can be 1200 mm for all DKs. Use the diagram to find the positioner needed for the required application based on the weight and the distance to the faceplate from the centre of gravity.

**Other options are:**

- Electrical feedthroughs (16-pin, ASI bus, Profi bus)
- Feedthroughs for compressed air and hydraulics
- Zero calibration for both axes

Technical data		DK-250	DK-500	DK-1000	DK-1500	DK-2500
Rated payload	kg	250	500	1000	1500	2500
Height of tilt axis	mm	620	620	620	620	620
Diameter workpiece	mm	1200	1200	1200	1200	1200
Tilt drive		DH-750	DH-1000	DG-1500	DG-200	
Type		Hollow shaft drive			Gear drive	
Rated torque	Nm	1290	2050	4700	7720	11750
Maximum torque	Nm	2075	5550	10770	17600	27000
Maximum speed	°/sec	2075	5550	10770	17600	27000
Index time (90°)	sec	0,9	1,1	0,9	1,0	1,2
Rotation drive		DH-250	DH-500	DG-1000	DH-1500	DH-1500
Rated torque	Nm	370	740	2050	3230	3230
Rated offset COG (center of gravity)	mm	148	148	205	215	129
Maximum speed	°/sec	168	163	135	90	90
Index time (180°)	sec	1,7	1,7	2,0	2,7	2,9

Rated payload of tilt - rotation positioner (NX-series)



Technical data may be subject to change without previous notice  
© MOTOMAN robotec GmbH - Reg. No. 1008EN-00 - 2007-09