

**NEW  
PRODUCT**

**Nabtesco**

**120%**

Power density

**140%**

Life time

**Same size**



# **Nabtesco Short Gears**

New strain wave gear technology with  
impressive performance improvement

**Made in Germany**

# Nabtesco Short Gears

Our new short gear technology with impressive performance improvement!

The 3 key components were optimized:



Circular spline



Flex spline



Wave generator

By changing the gearbox geometry, the Nabtesco strain wave gears\* have been equipped with new detailed design. This allowed every component to be optimized.

See for yourself **120% power density**, **140% life time (10,000 h, market standard: 7,000 h)** and all this with the **same installation space**. Especially developed for **humanoid robots** and **cobots**.

Size	Rated Torque (Nm)		Max. Acceleration/ Deceleration Torque (Nm)	
	Nabtesco	Market	Nabtesco	Market
35	6.5	5.4	23	19
43	19	16	44.5	37
51	34	28	77	64
63	56.5	47	148	123
81	115	96	314	261

Do you have any questions or need an advice?

Nabtesco Precision Europe GmbH  
Tiefenbroicher Weg 15  
40472 Düsseldorf

+49 211 17379-0  
E-Mail: [info@nabtesco.de](mailto:info@nabtesco.de)  
[www.nabtesco.de](http://www.nabtesco.de)

Nabtesco



\*Production site Ovalo GmbH Limburg (Lahn)