

CIRCULAR SYSTEM

AXNR^{EVO}



THE SPECIALIST
FOR MOTION
TECHNOLOGY

Description:

The **AXNR^{EVO}** is the evolution of our AXNR Circular Systems, which improves Nadella flexible and customizable complete motion solution by adding more options and by achieving higher loads and dynamics.

This flyer expands Nadella **AXN201EN** catalogue, for more information visit www.nadella.com

What's new

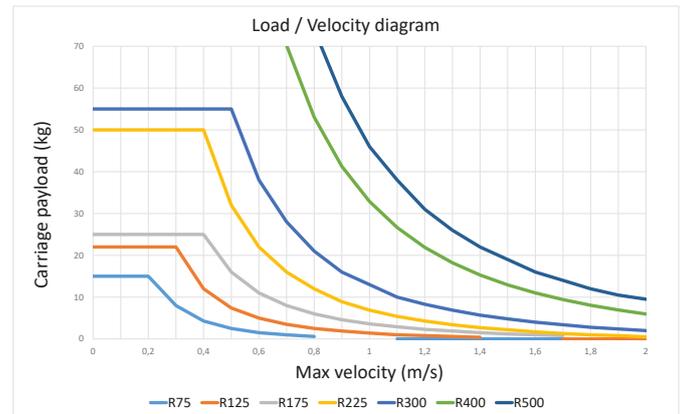
> Load vs speed performances

More info at page 23

The admissible load on the Circular systems **AXNR^{EVO}** depends on guide rollers load capacity and on the retention force of the connector between carriage and belt.

The tables at page 23 of the AXNR Circular System catalogue AXN201EN allow the selection of the module size, based on guide roller load capacity, speed and accelerations involved.

The belt transmission, in fact, is subject to inertia forces due to the duty cycle and due to the acceleration between the straight and curved path.



Moreover, mass position on the carriage and module orientation strongly affect the load on the belt.

For a system mounted in horizontal plane and with the payload mass centred on the carriage with connector B type the graph allows a preliminary evaluation.

Contact our Technical Service to better evaluate your load conditions.

> Operating temperature

More info at page 23

The standard operating temperature of the circular systems **AXNR^{EVO}** is between -10°C and +70°C. Out of this range we recommend contacting Nadella technical support in order to evaluate customized solution.

What's new

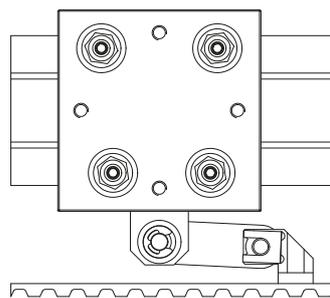
> Floating connection

[More info at page 22](#)

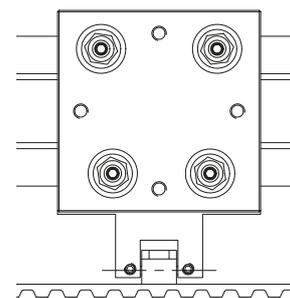
Our new circular systems **AXNR^{EVO}** have two types of connectors:

- **Connector type A** with Durbal tie rod for AXNR radius 125, 175, 225 and 300 mm
- **Connector type B** based on direct engagement and available for all dimensions

AXNR radius	Belt type	Carriage model	
		Connector type A	Connector type B
75	AT10-25		T4R75 FR22EU-B ...
125	AT10-25	T4R125 FR22EU-A ...	T4R125 FR22EU-B ...
175	AT10-25	T4R175 FR22EU-A ...	T4R175 FR22EU-B ...
225	AT10-32	T4R225 FR32EU-A ...	
	AT20-32		T4R225 FR32EU-B ...
300	AT10-32	T4R300 FR32EU-A ...	
	AT20-32		T4R300 FR32EU-B ...
400	AT20-50		T4R400 FR40EU-B ...
500	AT20-50		T4R500 FR40EU-B ...



Connector type A



Connector type B

> Options for **AXNRO** and **AXNRQ** models

[More info at pages 18-21](#)

The new Circular systems **AXNR^{EVO}** versions further expanded the choice for **belt size** for both AXNRO and AXNRQ:

CIRCULAR SYSTEMS AXNRO^{EVO}



Type	Belt type	Number of teeth in pulley
AXNRO 225	AT10-32 / AT20-32	85 / 42
AXNRO 300	AT10-32 / AT20-32	130 / 64

CIRCULAR SYSTEMS AXNRQ^{EVO}



Type	Belt type	Number of teeth in pulley
AXNRQ 225	AT10-32 / AT20-32	85 / 42
AXNRQ 300	AT10-32 / AT20-32	130 / 64

> Online **application form**

nadella.com/service/application-forms/circular-system-axnr

Fill out our **online application form** with the data of your application through the official Nadella website to receive your tailor made quotation directly from our technical team within a very short time.



CIRCULAR SYSTEM AXNR
ONLINE APPLICATION FORM