

AXIS COMPENSATION MODULES

SERIES ARP

► PRODUCT ADVANTAGES



► Lockable centre placement

When moving your robot, you can fix the equalizer in place so that uncontrolled movements of the workpiece do not take place

► Extremely flat design

This structure reduces the moment load for your robot to a minimum and makes it possible to use smaller and more affordable sizes

► Variable balancing force and moment

Adjust the equaliser to your handling weight by mounting a spring package based on desired rigidity

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► THE BEST PRODUCT FOR YOUR APPLICATION



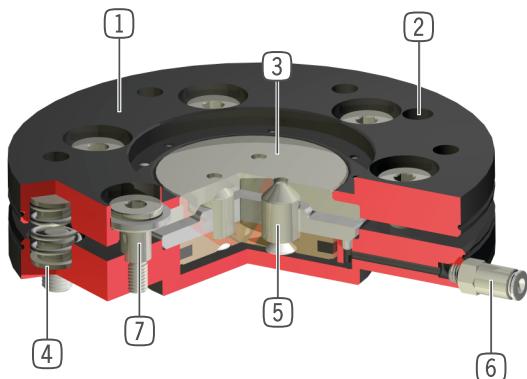
► Our products welcome the challenge!

Extreme conditions, all over the world—our tried and tested components and systems give you endless possibilities.

Find the best product for your specific use:

www.zimmer-group.de

► BENEFITS IN DETAIL



- ① **Robust, lightweight housing**
 - Hard-coated aluminum alloy
- ② **Robot connecting flange**
 - partial mounting circle in accordance with EN ISO 9409-1
- ③ **Locking**
 - 3 locking pistons
 - nitrided steel
- ④ **Spring package**
 - version size 63, stronger one is available
 - version size 100, 3 springs can be removed
- ⑤ **Locking drive**
 - single-acting pneumatic cylinder
- ⑥ **Energy supply**
- ⑦ **Guiding bolts with ball cup**

► FURTHER INFORMATION IS AVAILABLE ONLINE



► Technical Information

All information just a click away at: www.zimmer-group.com

Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product.

Quick, clear and always up-to-date.



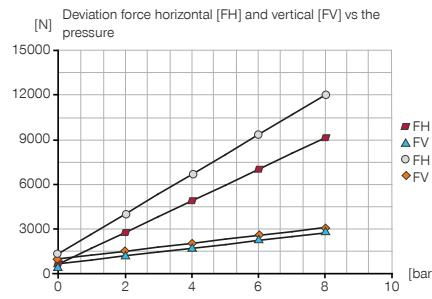
AXIS COMPENSATION MODULES

INSTALLATION SIZE AR160P

► PRODUCT SPECIFICATIONS

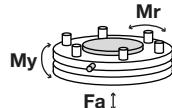


► Spring Pack 1 (pre-assembled)



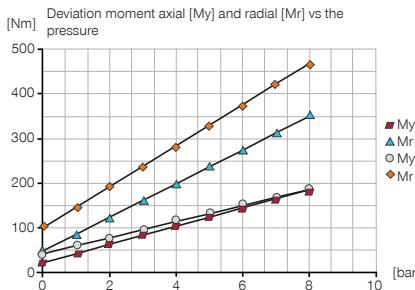
► Forces and moments

Shows static forces and moments which may impact on the axis compensation module.

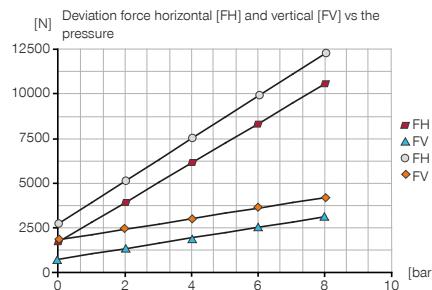


Mr [Nm]	900
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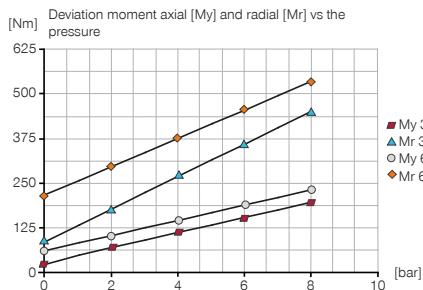
► Spring Pack 1 (pre-assembled)



► Spring Pack 2



► Spring Pack 2



► INCLUDED IN DELIVERY



Cylinder Screw

C7984100209



Spring Pack 1 (pre-assembled)

CFED12500



Spring Pack 2

CFED12510

► RECOMMENDED ACCESSORIES



Straight Fittings - Quick Connect Style

GVM5



Angled Fittings - Quick Connect Style

WVM5

► Technical Data*

Order no.

Connecting flange according EN ISO 9409-1

Installation Height [mm]

Recommended handling weight [kg]

Horizontal deviation +/- [mm]

Horizontal deviation +/- [°]

Vertical deviation [mm]

Vertical deviation [°]

Centering force when locking [N]

Repetition accuracy Horizontal +/- [mm/°]

Repetition accuracy Vertical +/- [mm/°]

Air volume per cycle [cm³]

Operating pressure min. [bar]

Operating pressure max. [bar]

Operating temperature min. [°C]

Operating temperature max. [°C]

Moment of inertia [kg/cm²]

Weight [kg]

AR160P

TK 160

28

60

2

1

2

1

3000

0.05

0.05

14

1

8

5

+80

115

5.6

*All data measured at 6 bar

