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

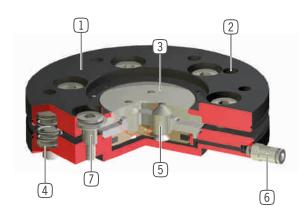
► THE BEST PRODUCT FOR YOUR APPLICATION



Our products welcome the challenge!

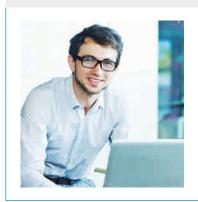
Extreme conditions, all over the world-our tried and tested components and systems give you endless possibilities. Find the best product for your specific use: www.zimmer-group.com

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
 - nitrated 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.



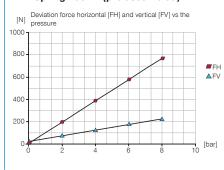
AXIS COMPENSATION MODULES

INSTALLATION SIZE AR40P

PRODUCT SPECIFICATIONS

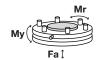


Spring Pack 1 (pre-assembled)



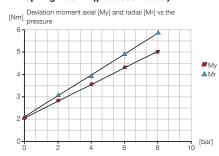
Forces and moments

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



Mr [Nm]	60
My [Nm]	60
Fa [N]	800

Spring Pack 1 (pre-assembled)



► INCLUDED IN DELIVERY



Cylinder Screw

C7984060129



Spring Pack 1 (pre-assembled)

CFED11180

► RECOMMENDED ACCESSORIES



Angled Fittings - Barb Style Connection

WVM3



Straight Fittings - Barb Style Connection

GVM3

	► Technical Data*
Order no.	AR40P
Connecting flange according EN ISO 9409-1	TK40
Installation Height [mm]	21.5
Recommended handling weight [kg]	3
Horizontal deviation +/- [mm]	2
Horizontal deviation +/- [°]	1
Vertical deviation [mm]	2
Vertical deviation [°]	1
Centering force when locking [N]	170
Repetition accuracy Horizontal +/- [mm/°]	0.05
Repetition accuracy Vertical +/- [mm/°]	0.05
Air volume per cycle [cm³]	2
Operating pressure min. [bar]	1
Operating pressure max. [bar]	8
Operating temperature min. [°C]	5
Operating temperature max. [°C]	+80
Moment of inertia [kg/cm²]	0.5
Weight [kg]	0.15

^{*}All data measured at 6 bar

