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

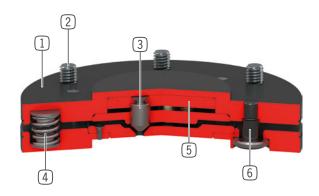
THE BEST PRODUCT FOR YOUR APPLICATION



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 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 Guiding bolts with ball cup

► TECHNICAL DATA

	Connecting flange according EN ISO 9409-1	Deflection hoirontal +/-	Defletion vertical +/-
Installation size		[mm/°]	[mm/°]
AR40P	TK 40	2 / 1	2 / 1
AR50P	TK 50	2 / 1	2 / 1
AR63P	TK 63	2 / 1	2 / 1
AR80P	TK 80	2 / 1	2 / 1
AR100P	TK 100	2 / 1	2 / 1
AR125P	TK 125	2/1	2 / 1
AR160P	TK 160	2/1	2 / 1

► FURTHER INFORMATION IS AVAILABLE ONLINE



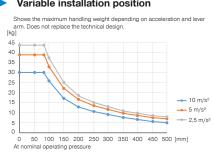
All information just a click away at: www.zimmer-group.com. Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.

AXIS COMPENSATION MODULES INSTALLATION SIZE AR100P

PRODUCT SPECIFICATIONS

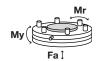


Variable installation position



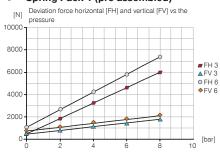
Forces and moments

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

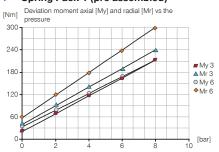


Mr [Nm]	500
My [Nm]	500
Fa [N]	2100

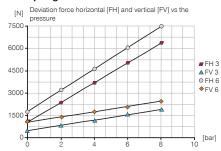
Spring Pack 1 (pre-assembled)



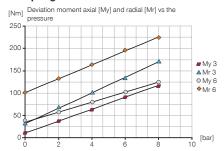
Spring Pack 1 (pre-assembled)



Spring Pack 2



Spring Pack 2



► INCLUDED IN DELIVERY



6 [piece] Cylinder Screw C7984080169



6 [piece] Spring Pack 2 CFED10060



Spring Pack 1 (pre-assembled) CFED10050

RECOMMENDED ACCESSORIES



ENERGY SUPPLY



ENERGY SUPPLY



GVM5 Straight Fittings - Quick Connect Style



Angled Fittings - Quick Connect Style

	► Technical data
Order no.	AR100P
Connecting flange according EN ISO 9409-1	TK 100
Installation Height [mm]	26
Horizontal deviation +/- [mm]	2
Horizontal deviation +/- [°]	1
Vertical deviation +/- [mm]	2
Vertical deviation +/- [°]	1
Centering force when locking [N]	1400
Repetition accuracy Horizontal +/- [mm/°]	0.05
Repetition accuracy Vertical +/- [mm/°]	0.05
Air volume per cycle [cm³]	8.5
Operating pressure [bar]	18
Nominal operating pressure [bar]	6
Operating temperature [°C]	5 +80
Moment of inertia [kgcm ²]	17
Weight [kg]	1.1

