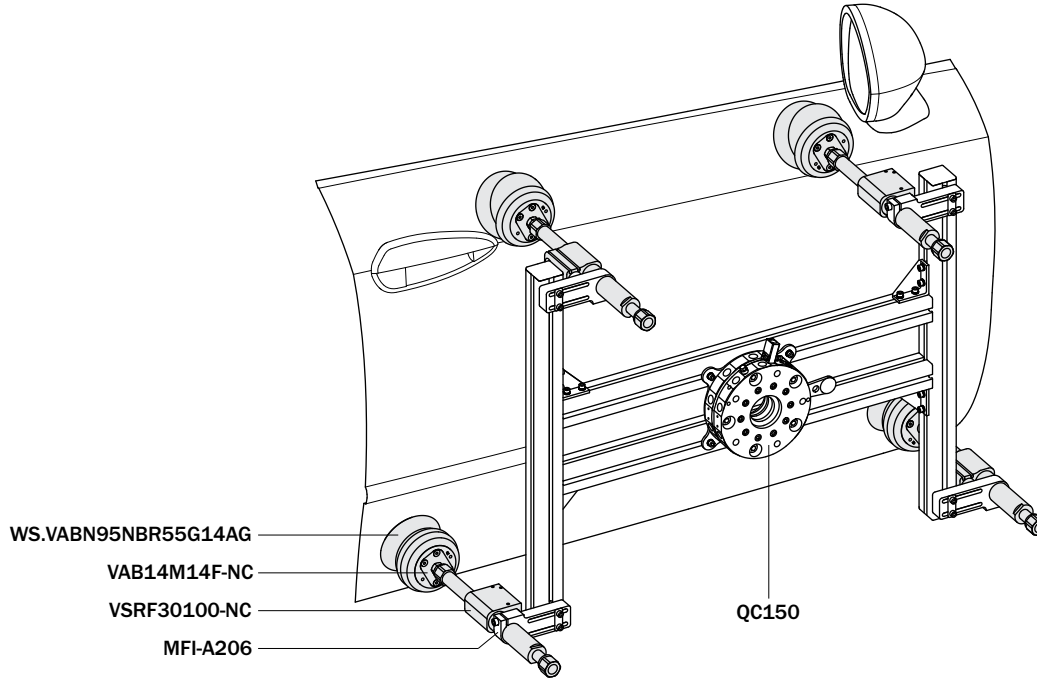


Vacuum suspensions and ball joints with brake

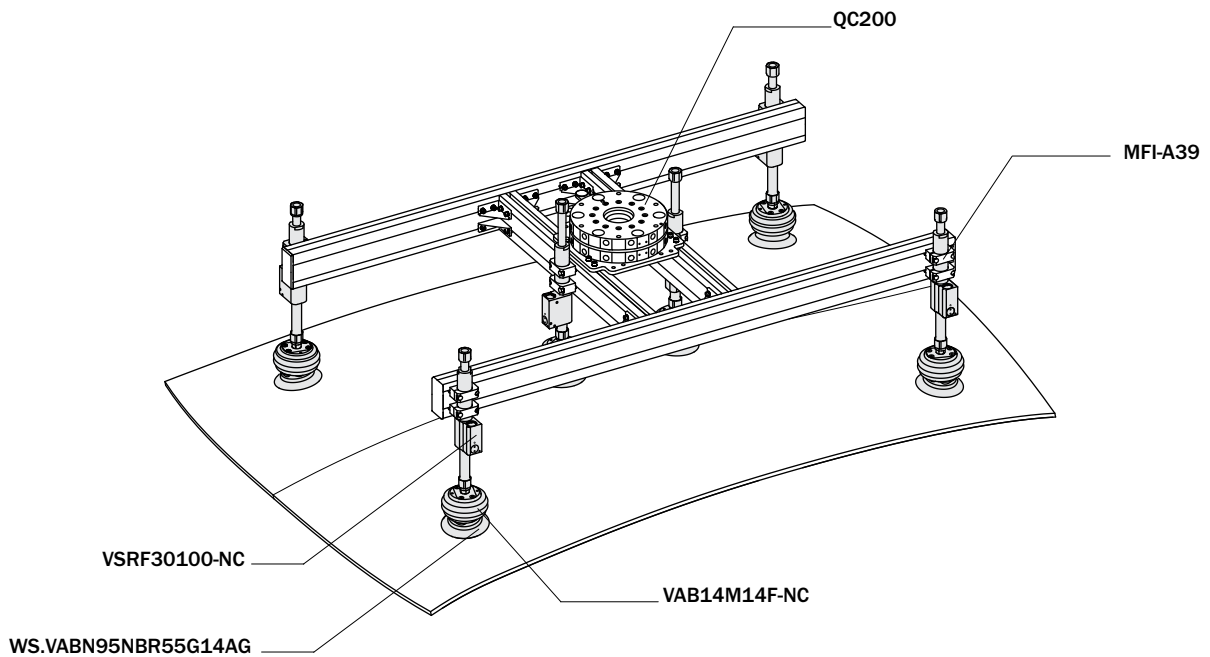
Handling of a car door

The braking of suspensions and ball joints allows high accelerations of the manipulator.



Handling of a car thin roof

The braking of suspensions and ball joints avoids the roof deformations during the handling.

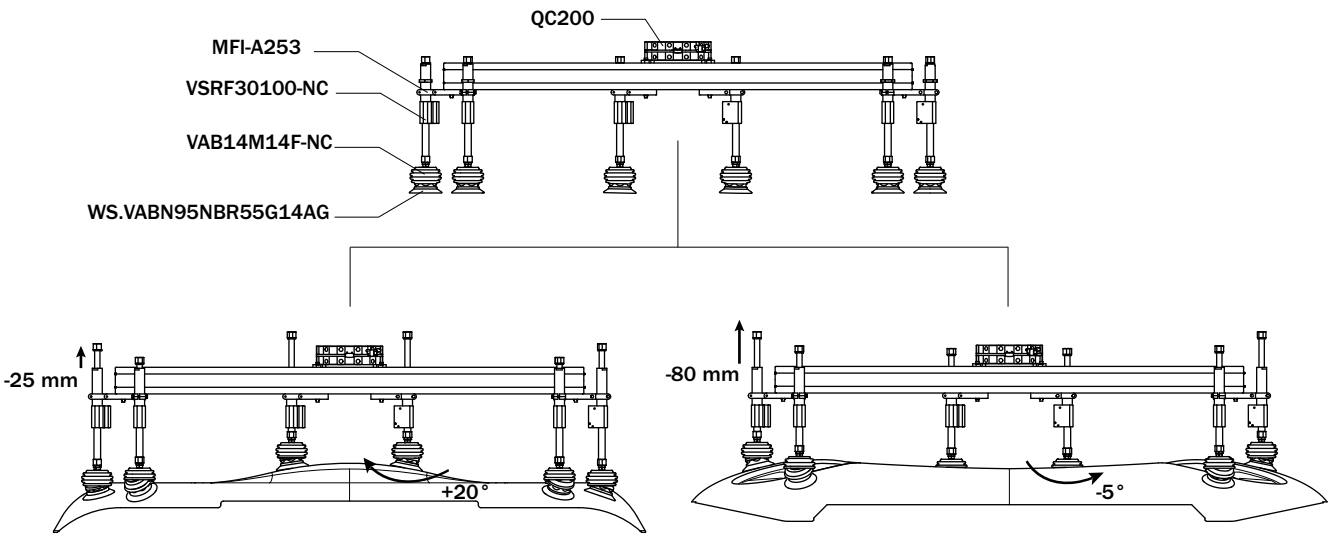
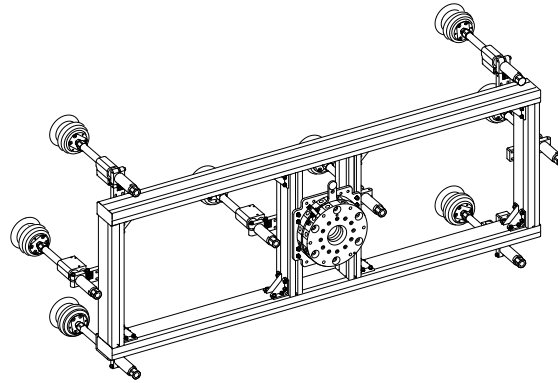


Rotary Units
 Quick Changer
 Profiles and Brackets
 Grippers
 Linear Actuators
 Suspensions
 Nippers
 Robot Kit
 Options
 Sensors

Vacuum suspensions and ball joints with brake

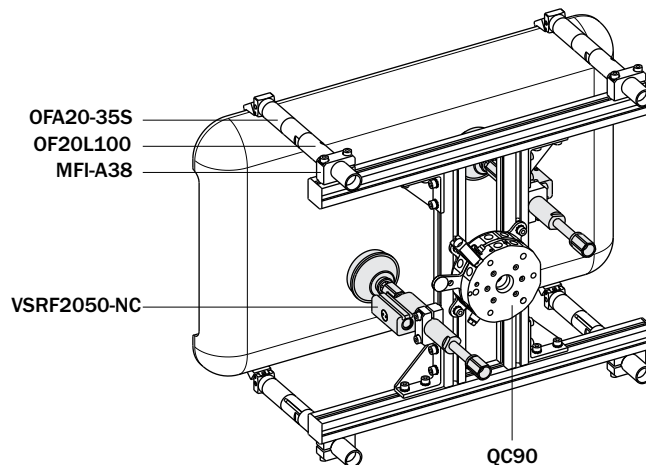
Handling of different parts by the same reconfigurable EOAT

The EOAT can be configured to handle pieces of different size. The configuration can be performed by adjusting the brakes of the actuators when gripping the first piece. After performing the configuration, the EOAT operates as a completely rigid device. The EOAT can be reconfigured whenever necessary.



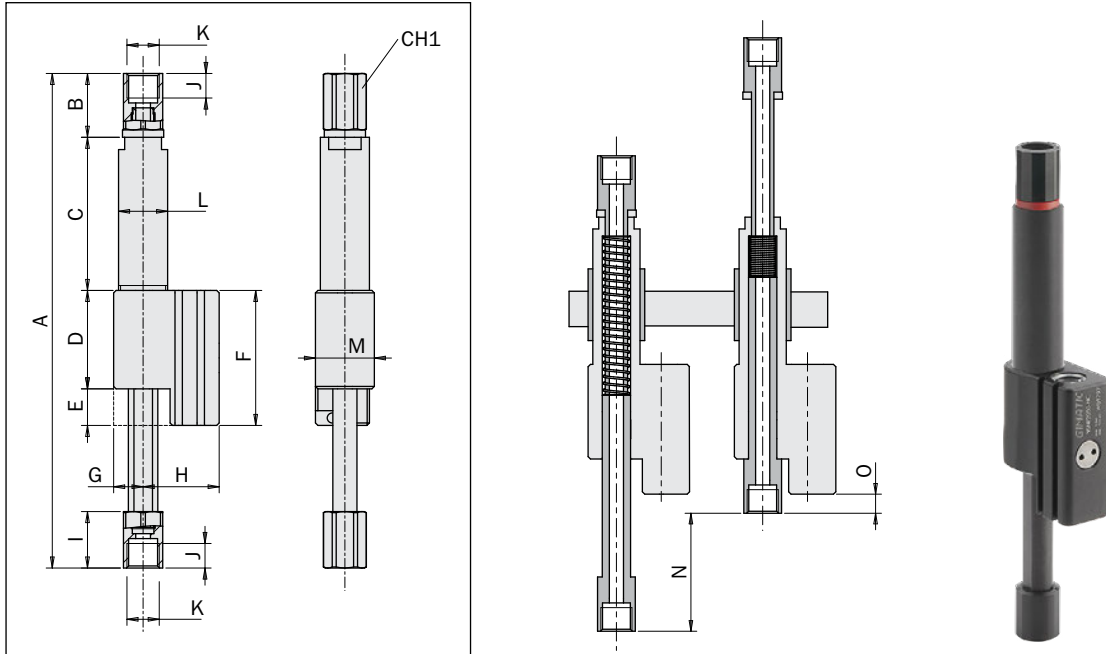
Handling of fragile parts avoiding the elastic spring return

The braking of the suspensions after the level compensation and the gripping, avoids damages due to an uncontrolled elastic return.



Non-rotative suspensions, with smooth body and brake

- Aluminium body and steel rod.
- Pneumatic rod lock (-NO) or unlock (-NC) device.
- Non-rotative rod with high load capability.
- FDA-H1 food-grade grease.
- Pressure range: -1 ÷ 8 bar.
- Optional sensors.

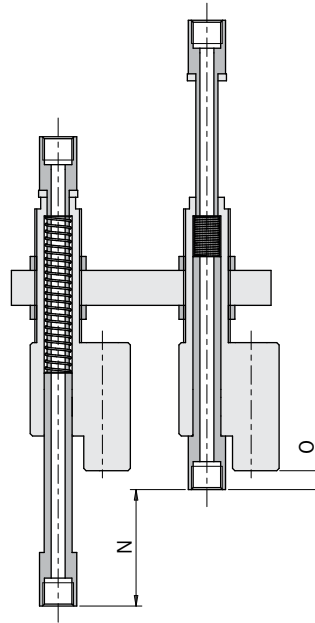
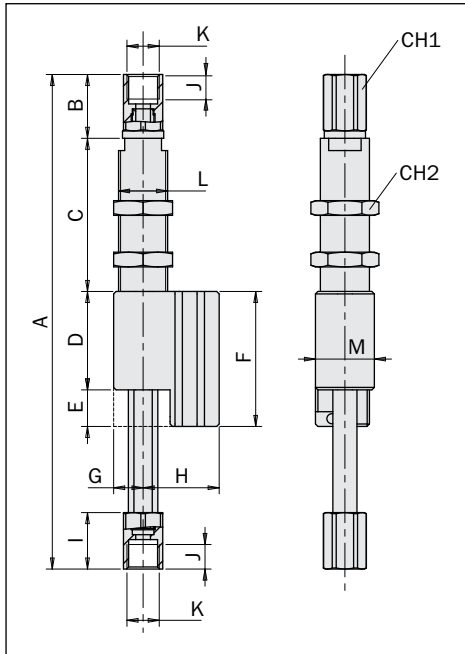


	VSNF2050-NC	VSNF2050-NO	VSNF30100-NC	VSNF30100-NO
A [mm]	201.5		324.5	
B [mm]	26		28	
C [mm]	62.4		113	
D [mm]	40.1		-	
E [mm]	14.9		-	
F [mm]	55		65.5	
G [mm]	12		17	
H [mm]	31		40	
I [mm]	23		18	
J [mm]	10		13	
K	G1/4"		G3/8"	
L [mm]	20		30	
M [mm]	24		35	
N [mm]	50		100	
O [mm]	8.1		18	
CH1 [mm]	16		24	
m [g]	254		820	
Magnetic sensor detection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Operating pressure for locking	P1	4÷8 bar	-	4÷8 bar
Operating pressure for unlocking	P2	4÷8 bar	4÷8 bar	-
Braking force	200 N	50N x P1 - 50N	600 N	150N x P1 - 150N

Rotary Units, Quick Changer, Profiles and Brackets, Grippers, Linear Actuators, Suspensions, Nippers, Robot Kit, Options, Sensors

Non-rotative suspensions, with threaded body and brake

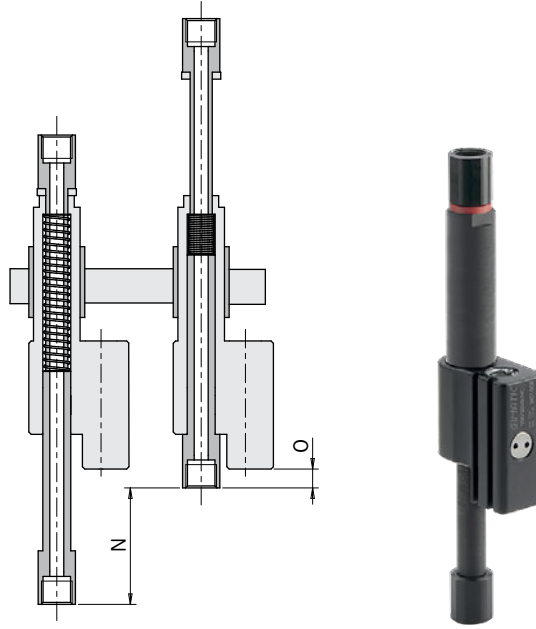
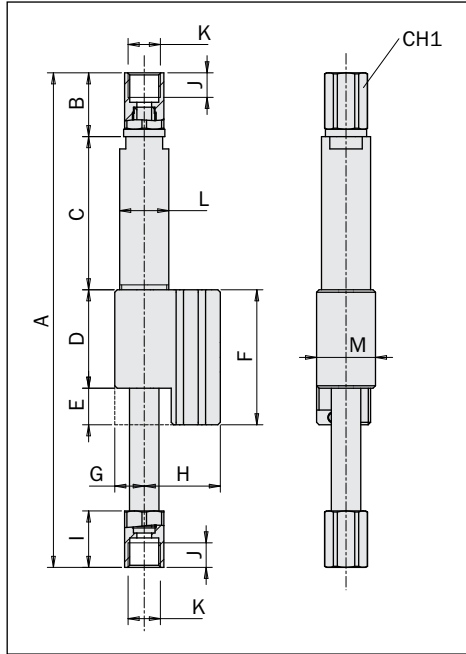
- Aluminium body and steel rod.
- Pneumatic rod lock (-NO) or unlock (-NC) device.
- Non-rotative rod with high load capability.
- FDA-H1 food-grade grease.
- Pressure range: -1 ÷ 8 bar.
- Optional sensors.



	VSNTF2050-NC 9900031	VSNTF2050-NO 9900032	VSNTF30100-NC 9900033	VSNTF30100-NO 9900034
A [mm]	201.5		324.5	
B [mm]	26		28	
C [mm]	62.4		113	
D [mm]	40.1		-	
E [mm]	14.9		-	
F [mm]	55		65.5	
G [mm]	12		17	
H [mm]	31		40	
I [mm]	23		18	
J [mm]	10		13	
K	G1/4"		G3/8"	
L	M20x1.5		M30x1.5	
M [mm]	24		35	
N [mm]	50		100	
O [mm]	8.1		18	
CH1 [mm]	16		24	
CH2 [mm]	24		36	
m [g]	270		890	
Magnetic sensor detection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Operating pressure for locking	P1	-	4÷8 bar	-
Operating pressure for unlocking	P2	4÷8 bar	-	4÷8 bar
Braking force	200 N	50N x P1 - 50N	600 N	150N x P1 - 150N

Rotative suspensions, with smooth body and brake

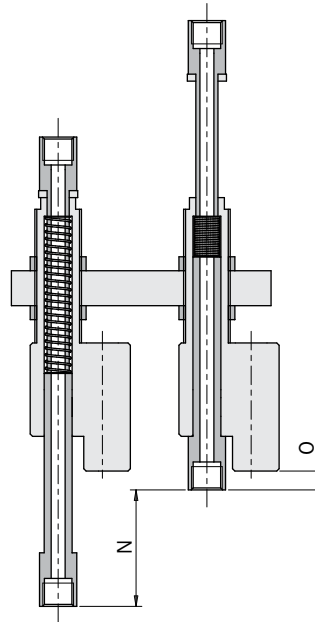
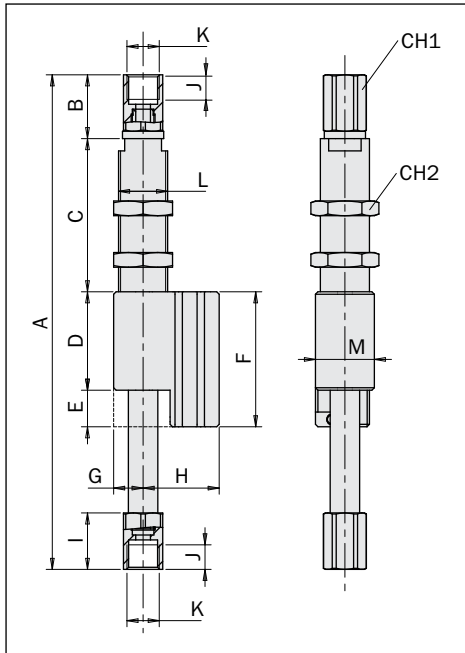
- Aluminium body and steel rod.
- Pneumatic rod lock (-NO) or unlock (-NC) device.
- Rotative rod.
- FDA-H1 food-grade grease.
- Pressure range: -1 ÷ 8 bar.
- Optional sensors.



	VSRF2050-NC	VSRF2050-NO	VSRF30100-NC	VSRF30100-NO
A [mm]	201.5		324.5	
B [mm]	26		28	
C [mm]	62.4		113	
D [mm]	40.1		-	
E [mm]	14.9		-	
F [mm]	55		65.5	
G [mm]	12		17	
H [mm]	31		40	
I [mm]	23		18	
J [mm]	10		13	
K	G1/4"		G3/8"	
L [mm]	20		30	
M [mm]	24		35	
N [mm]	50		100	
O [mm]	8.1		18	
CH1 [mm]	16		24	
m [g]	253		830	
Magnetic sensor detection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Operating pressure for locking	P1	4÷8 bar	-	4÷8 bar
Operating pressure for unlocking	P2	4÷8 bar	4÷8 bar	-
Braking force	200 N	50N x P1 - 50N	600 N	150N x P1 - 150N

Rotative suspensions, with threaded body and brake

- Aluminium body and steel rod.
- Pneumatic rod lock (-NO) or unlock (-NC) device.
- Rotative rod.
- FDA-H1 food-grade grease.
- Pressure range: -1 ÷ 8 bar.
- Optional sensors.



	VSRTF2050-NC 9900035	VSRTF2050-NO 9900036	VSRTF30100-NC 9900037	VSRTF30100-NO 9900038
A [mm]	201.5			324.5
B [mm]	26			28
C [mm]	62.4			113
D [mm]	40.1			-
E [mm]	14.9			-
F [mm]	55			65.5
G [mm]	12			17
H [mm]	31			40
I [mm]	23			18
J [mm]	10			13
K	G1/4"			G3/8"
L	M20x1.5			M30x1.5
M [mm]	24			35
N [mm]	50			100
O [mm]	8.1			18
CH1 [mm]	16			24
CH2 [mm]	24			36
m [g]	270			880
Magnetic sensor detection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Operating pressure for locking	P1	-	4÷8 bar	-
Operating pressure for unlocking	P2	4÷8 bar	-	4÷8 bar
Braking force	200 N	50N x P1 - 50N	600 N	150N x P1 - 150N