

Technical data sheet

VERO-S NSE3 mini 90-25(-V1)(-K)

Functional description:

The clamping slides are closed by spring force and clamp the clamping pin in a self-locking manner.

The pull-down force can be increased by up to 300% by actuating of the standardized integrated turbo function, which occurs due to an additional short pressurization of the piston surface.

By pressurization (> 5 bar) of the module the clamping slides open and the clamping pin can be removed.

Integrated clamping pin position sensor for the positions "open" and "closed".

Optional cone seal to protect the interchangeable interface from cooling lubricant, dust and chips.



Drive concept	Pneumatically
Opening pressure	Min. 5 bar / Max. 7 bar
Weight	1.3 kg
Repeat accuracy	< 0.005 mm
Query options	Clamping slide position „open“ and „closed“ via dynamic pressure
Flexible actuation	Actuation of the module can be realized via air connections either on the side or from the bottom.
Turbo function	Increasing of the pull-down force by an additional pressure impulse in the spring chamber
Hermetically sealed	Maintenance-free, IP 67 (DIN EN 60529)

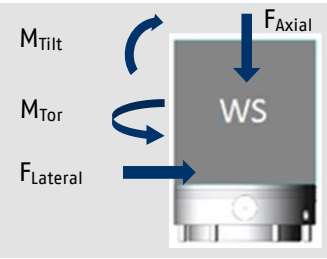
Corrosion-resistant	All functional parts are made of hardened, stainless-steel
Self-locking system	Clamping pin remains in the module in case of a pressure drop
Short temper centering	Precise centering by quick and easy joining via entry radii
Patented dual stroke system	Therefore highest pull-down forces
Temperaturbereich	+5°C bis +60°C
Application of proven and fundamental safety principles in terms of DIN 13849-2: technical attachment A	Is applied for example by using of reliable springs, using of proper materials and manufacturing processes, proper dimensioning, etc.
PL (Performance Level)	Not provided
Elimination of errors	Release of the clamped quick-change pallet system without adjacent unlocking signal

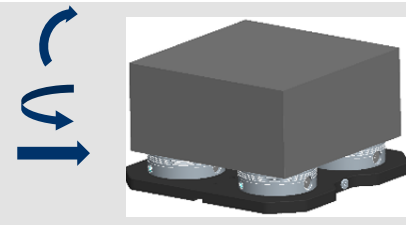
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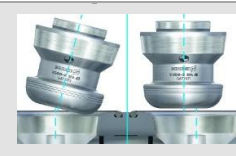
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Hand in hand for tomorrow

Description	ID	Cone seal	Pull-down force	Pull-down force with turbo	Opening pressure	Repeat accuracy	Weight
			[kN]	[kN]	[bar]	[mm]	[kg]
VERO-S NSE3 mini 90-25	1595380		1.5	6	6	< 0.005	1.3
VERO-S NSE3 mini 90-25-K	1595381	●	1.5	6	6	< 0.005	1.3
VERO-S NSE3 mini 90-25-V1	1595383		1.5	6	6	< 0.005	1.3
VERO-S NSE3 mini 90-25-V1-K	1595384	●	1.5	6	6	< 0.005	1.3

	without Turbo	with Turbo	
Axial load: F Axial	40 000 N	40 000 N	
Transferable tilting torque: M Tilt	30 Nm	120 Nm	
Transferable torque: M Tor	6 Nm	27 Nm	
Transferable lateral force: F Lateral	150 N	600 N	

	Pitch 200 x 200 mm	Pitch 300 x 300 mm	
Transferable tilting torque: M Tilt	1380 Nm	1980 Nm	
Transferable torque: M Tor	330 Nm	500 Nm	
Transferable lateral force: F Lateral	2400 N	2400 N	

Max. inlet path	0.1 mm	
Max. loading angle	16°	
Max. loading offset	2 mm	