

NORMACONNECT® VPP i-Flex



High-performing and cost-efficient clamp for high temperature applications

In the ongoing transformation towards E-Mobility, the ICE market is consolidating as OEMs reduce their engine portfolio to fewer platforms with extended lifetimes. However, ICE efficiency technology remains crucial in the transition phase. The VPP i-Flex clamp is designed to secure robust connections in high-temperature V flange applications, meeting the increased heat load and demanding space constraints of today's competitive market.



This is what you will love!

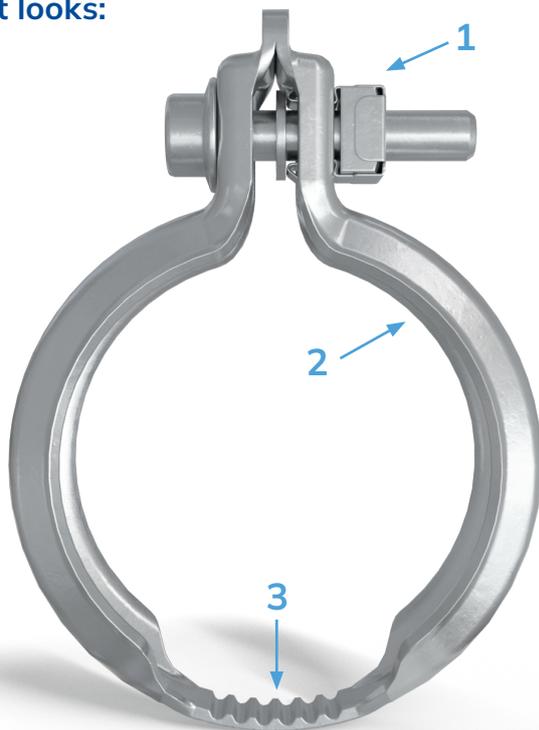
- ✓ Cost-efficient: utilizes standard caged nut versus fully machined swivel nut, eliminating the need for a bridge component and welding.
- ✓ Safe: meets 100% of customer technical requirements, validated for up to 1050 °C gas temperatures.
- ✓ Easy to assemble: same assembly strategy and packaging requirements as the NORMACONNECT® VPP Bridge.
- ✓ Flexible: offers greater flexibility compared to equivalent single-piece pressed profile V-clamps.
- ✓ Fit-for-purpose: designed to compress Mica gasket and withstand high bending moments (up to 200 Nm).
- ✓ Optimized: for use of EN1.4541 (AISI 321) profile band materials.
- ✓ Varied: available in multiple sizes, ranging from \varnothing 79 mm to \varnothing 186 mm.

NORMACONNECT® VPP i-Flex Clamp for high-temperature applications

Where you can use it:

✓ Turbocharger outlet or manifold outlet

How it looks:



- 1 Standard square nut, held in place by pressed steel cage
- 2 V Profile
- 3 Flexible element

Technical features at a glance:

| | |
|-----------------------|---|
| Diameter range: | ø 79 to ø 186 mm |
| Maximum temperature: | +1050 °C (gas) |
| Tightening torque: | 15 Nm +/- 10% |
| Axial load: | 15 kN (nominal and maximal flange conditions) |
| Leakage rate: | less than 250 ml/min @ 0.5 bar |
| Recommended material: | EN1.4541 (AISI 321) |

You might also be interested in these products:

NORMACONNECT® V-QRC



- Quick Release Closure (QRC) for rapid, single-handed clamp
- Adaptable to flanges with wider tolerances compared to VPP Clamps
- Available up to diameter 300 mm

NORMACONNECT® VPP Bridge



- Standard version of high-performance profile clamp
- Quick and easy installation due to spring bridge

Why V-Clamps from NORMA Group?

In contrast to bolted flange connections, our V-Clamps can be installed and removed quickly. Only one screw needs to be tightened for a secure flange connection, saving time and money with every installation. In addition to this, every NORMA stainless steel profile clamp is resistant to corrosion and extreme temperatures. All NORMA connections are perfectly adapted to the flange and tested against OEM specifications for tightness and durability.



Do you have questions or require a personal consultation?

Feel free to contact us: info@normagroup.com

Or visit our website for more information about our solutions: www.normagroup.com

