

NORMACONNECT® – Pipe Connections

NORMACONNECT® SEC Ball zone exhaust gas clamp

The NORMACONNECT® SEC is the ideal problem solver for connection points in the central and rear exhaust gas area. During assembly, in combination with flange connections there is the option to swivel the exhaust silencer.

Short description of technical features



1 Torx screw with integrated washer
= simplified assembly and disassembly

2 Convex-shaped band fitting ball-shaped flanges
= perfectly adapted to the system

3 Chromium VI-free, non-seizing coating
= improved clamping force

4 Solid trunion, Chromium VI-free coating
= high temperature resistance; withstanding high clamping forces

Materials

W1	W2	W3	W4	W5
	x			

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Technical features

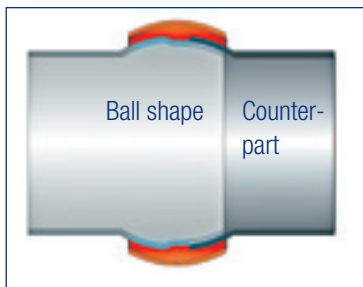
- System tightness* with new part (start of service):
Leakage rate ≤ 2 Ltr./min
- System tightness after temperature ageing (after full load):
8 h $> 400^{\circ}\text{C}$ Leakage rate ≤ 2 Ltr./min
- Bending moment: ≥ 150 Nm
- Torsion moment (twisting) of the joint: ≥ 150 Nm
- Band material: Steel 1.4301
- Screw: Steel, class 10.9
- Solid trunnion: Steel 1.0718/C45

* The tightness of the connection between pipe ends is achieved without an additional seal.

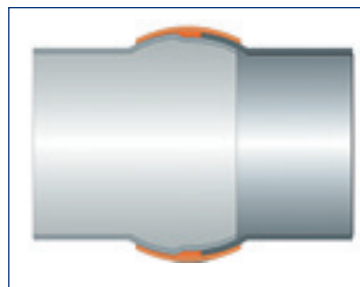
Corrosion resistance

Corrosion resistance in salt spray testing

Min. 144 h



Not tightened



Tightened

Applications

- Connecting pipes in the central and rear exhaust gas area

The advantages at a glance

- Angle compensation in the exhaust gas system
- The silencer can be swiveled during assembly
- Simplified assembly and disassembly owing to the increased system flexibility
- Higher torsion moment as compared to standard ball-type flange connections
- Low leakage rate
- Low weight

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Survey of sizes, band widths & materials NORMACONNECT® SEC

Description	Pipe diameter		Flange radius	Clamp Inside diameter	W2
	in mm	in inch			
SEC	55	2 ³ / ₁₆	32.5	63.5	X
SEC	60	2 ³ / ₈	35	69.85	X
SEC	65	2 ⁹ / ₁₆	37.6	74.93	X
SEC	70	2 ³ / ₄	ca. 40.2	80.01	X
SEC	75	3	ca. 43	85.73	X

Enquiries/ordering:

When making enquiries or placing orders please indicate as follows:

	1. Type	2. Pipe diameter	3. Flange radius
Example	SEC	55	32.5

