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 trunnion, Chromium VI-free coating
 = high temperature resistance; withstanding high clamping
 forces

Materials

W1	W2	W3	W4	W5
	Х			

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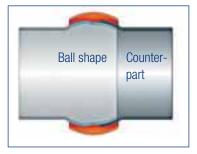
Technical features

- System tightness* with new part (start of service):
 Leakage rate <= 2/Ltr./min
- System tightness after temperature ageing (after full load):
 8 h > 400°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

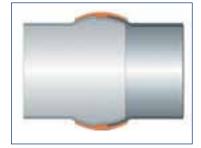
Corrosion resistance

Corrosion resistance in salt spray testing

Min. 144 h







Tightened

Applications in the automotive industry

· 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

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

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Survey of sizes, band widths & materials NORMACONNECT® **SEC**

	Pipe d	iameter		Clamp	
Description	in mm	in inch	Flange radius	Inside diameter	W2
SEC	55	23/16	32.5	63.5	Х
SEC	60	23/8	35	69.85	Х
SEC	65	2 ⁹ /16	37.6	74.93	Х
SEC	70	23/4	ca. 40.2	80.01	Х
SEC	75	3	ca. 43	85.73	Х

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

