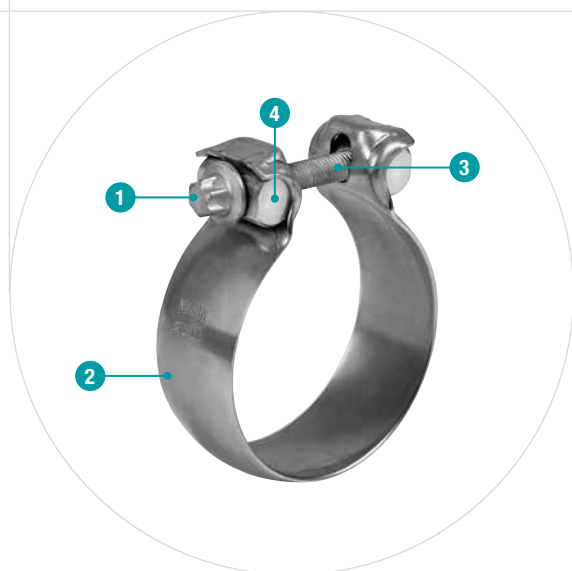


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**SPECS &
INFORMATION**



- 1 Torx screw with integrated washer**
– makes installation and removal easier
- 2 Band adapted to fit ball-shaped flange connections**
– system works in perfect harmony
- 3 Free from chromium(VI); easy-slide coating**
– improved clamping force
- 4 Solid trunnion, chromium(VI)-free coating**
– high temperature resistance, maintains high clamping force levels

Ball zone exhaust gas clamps

NORMACONNECT® SEC ball zone exhaust gas clamps are the ideal solution when it comes to making connections in central and rear exhaust gas areas. When used in conjunction with flange joints, it is possible to swivel silencers during installation.

Advantages at a glance

- Angle compensation in exhaust gas system
- Silencers can be swiveled during installation
- Installation and removal conditions easier to work with thanks to increased flexibility of overall system
- Higher torsion moments than conventional ball-shaped flange connections
- Low leakage rate
- Low weight

Applications

- For low leak joints in rear and centre sections of car and truck exhaust systems with operating clamp surface temperatures of up to 700 °C.

Materials

W1	W2	W3	W4	W5
	x			

Material	Corrosion resistance in salt spray testing
W2	Min. 96 h

Technical data & Ordering information

NORMACONNECT® SEC					
Designation	Pipe diameter Inner		Clamping diameter in mm	Flange radius in mm	W2 Product No.
	in mm	in inches			
SEC 55	55	2 3/16"	65	32.5	0595 6312 055-1
SEC 60	60	2 3/8"	69.5	34.8	0595 5312 060-1
SEC 65	65	2 9/16"	75	37.6	0595 5312 065-1
SEC 70	70	2 3/4"	81.5	40.2	0595 6312 070-1
SEC 75	75	2 20/21"	87	42.5	0595 6342 075

Additional diameters on request

NORMACONNECT® SEC



Ball-flare connection with possible angular adjustment of exhaust pipes

- ✓ Band adapted to fit ball-shaped flange connections results in stronger joint
- ✓ Torx screw with integrated washer – easy installation and removal
- ✓ Silencers can be swivelled during installation
- ✓ Improved clamping force at high temperature levels due to chromium (VI)-free, non-seizing coating



Air Intake & Induction



Exhaust Systems



Cooling Systems



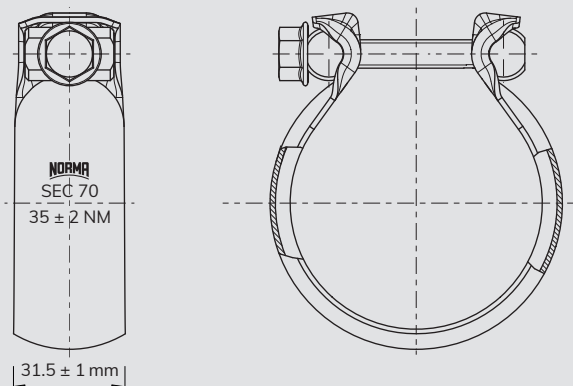
Fuel & Oil Systems



Turbocharger Installations



Fixing & Retaining

NORMACONNECT® SEC**Applications**

For low leak joints in rear and centre sections of car and truck exhaust systems with operating clamp surface temperatures of up to 700°C.

Material

Group	W2
Band	1.4301 (AISI 304)
Trunnions	1.0718 (AISI 12L13)
Screw	Grade 10.9 (Alloy steel, quenched and tempered)

Part number	Description	ØDN* (mm)	Packaging quantity (pcs)
0595 6312 055 – 1	SEC 55	55	50
0595 5312 060 – 1	SEC 60	60	50
0595 5312 065 – 1	SEC 65	65	50
0595 6312 070 – 1	SEC 70	70	50
0595 6342 075	SEC 75	75	50

*ØDN: Pipe diameter

Technical benefits

- ✓ Allows/compensates for angular deflection of pipe up to $\pm 3^\circ$
- ✓ Solid trunnions reduce tensile forces on bolt and mechanical lock
- ✓ High temperature resistance
- ✓ Low weight and low leakage rate

NORMACONNECT® SEC is part of a broad portfolio. Discover more!



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Do you have questions or require a personal consultation?

Feel free to contact our Automotive Aftermarket Team! Hotline +44 1635 574 005

Visit our website for more information about our Automotive Aftermarket products: norma-aftermarket.com



NORMACONNECT® SEC

Ball zone exhaust gas clamps

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Applications

- Agricultural machines
- Building Machines
- Engine manufacturing

NORMACLAMP® SEC

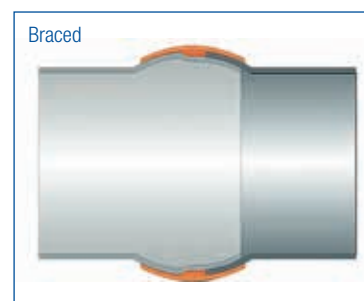
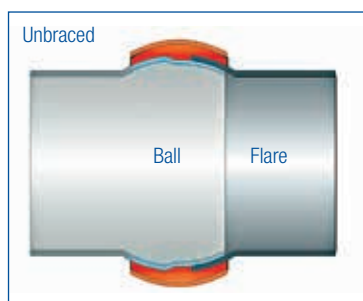
Bolt

The scope of delivery does not include fastening bolts or nuts.
Sizes M8 or M10 are required.

Materials

W1	W2	W3	W4	W5
	x			

Material	Corrosion resistance in salt spray testing
W2	Min. 96 h



Ordering information

When submitting requests and orders, please specify the data in the following way

	1. Type	2. Pipe diameter
Example	SEC	55

Sizes, band widths & materials

NORMACONNECT® SEC					
Designation	Pipe diameter Inner		Clamping diameter	Flange radius	W2
	in mm	in inches	in mm		
SEC	55	23/16	65	32.5	X
SEC	60	23/8	69.5	35	X
SEC	65	29/16	75	37.6	X
SEC	70	23/4	81.5	40.2	X
SEC	75	3	87	42.5	X



iq
parts
IQ-PARTS-SHOP.COM

info@iq-parts.nl
Harsweg 34A
2461 EZ Ter Aar
T +31 252 624 126
The Netherlands