

Security and safety in application – by design

## NORMACLAMP® – Hose Clamps

The NORMACLAMP® range provides the optimum sealing solution for all applications. The range varies from standard products with or without constant tension spring to special usage clips and heavy duty clamps.



# Clamping Force

## NORMACLAMP® – Hose Clamps

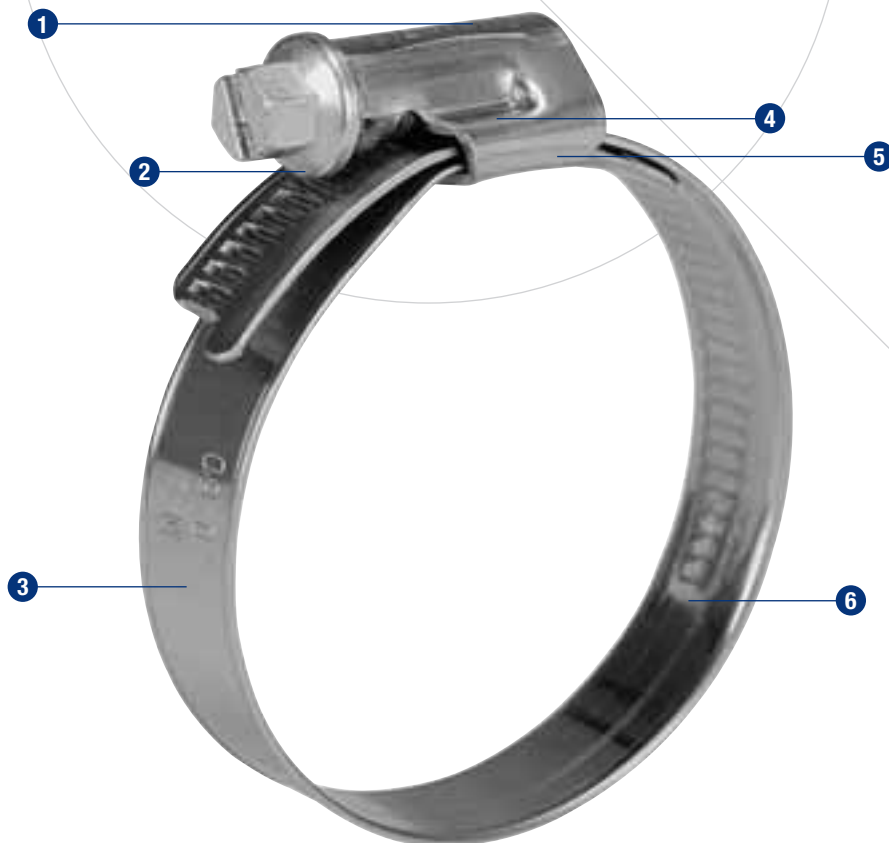
### NORMACLAMP® TORRO® – Worm Drive Hose Clips to DIN 3017

NORMACLAMP® TORRO® hose clips are specially suitable for applications under high mechanical loads. Since we are contin-

uously working to improve its features this clip is still setting standards for modern hose clip design.

The distinguishing feature of the NORMACLAMP® TORRO® is the asymmetrical construction which tells you at first sight whether it is a genuine TORRO® or not.

#### Short description of technical features



**1** Improved asymmetric housing = even distribution of forces and safe assembly

**2** Screw support = Ease of assembly due to the safe guidance of the emerging band end

**3** Material and clamping range stamped on the band = prevention of errors

**4** Asymmetric extension = prevents the housing from tilting over when the clamp is tightened

**5** Short housing saddle = even contact pressure = improved efficiency

**6** Smooth or stamped inside of band = optimal hose protection

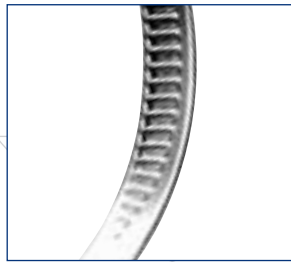
#### Materials

W1*	W2*	W3	W4	W5
X	X	X	X	X

\* No chromium VI used for the coating of the closure components

# NORMACLAMP® – Hose Clamps

## Types of clamp band



Band width 9 mm

- W1 with smooth inside
- W2, W3, W4, W5 with stamped inside

Band width 12 mm

- W1, W2, W3 with smooth inside
- W4, W5 with stamped inside

## Screw



		W1	W2	W3	W4	W5
Phillips head	SW 7*	•	•			
Slotted head	SW 7**			•	•	•

\* Band width 7.5 mm = SW 6      \*\* Band width 16 mm = SW 8

## The advantages at a glance

- Multi-range hose clamp
- Material: W1, W2, W3, W4, W5
- Chromium VI free: compliant with ROHS, WEEE and ELV Environmental Directives
- Clamping ranges to DIN 3017: 8 – 16 mm up to 140 – 160 mm
- Larger diameters on demand