STAUFF®

Local Solutions For Individual Customers Worldwide

STAUFF Clamps

STAUFF Test

Filtration Technology

Diagtronics

Hydraulic Accessories

Valves

Flanges

ONE

Product Overview

That´s STAUFF

Originating and located in Werdohl in the German Sauerland region, we have become an internationally leading developer, manufacturer and supplier of pipework components, measuring equipment and hydraulic accessories.

Decades of experience, highly-motivated and qualified staff, state-of-the-art manufacturing technologies and a foresighted management give us the reputation of being a competitive partner.

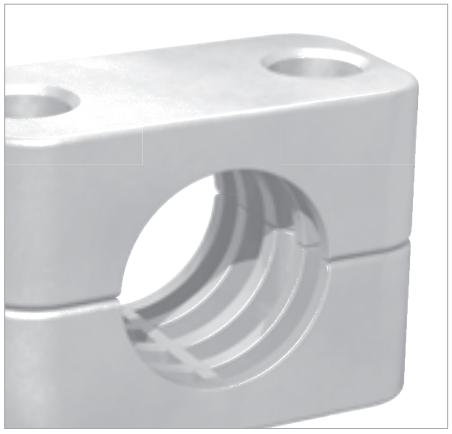
Our in-house laboratories carry out constant tests in line with international standards on all products. Certified in accordance with ISO 9001:2008 (Quality), DIN EN ISO 14001:2004 (Environmental Protection) and OHSAS 18001:2007 (Occupational Health and Safety), our management system continually strives for perfection.

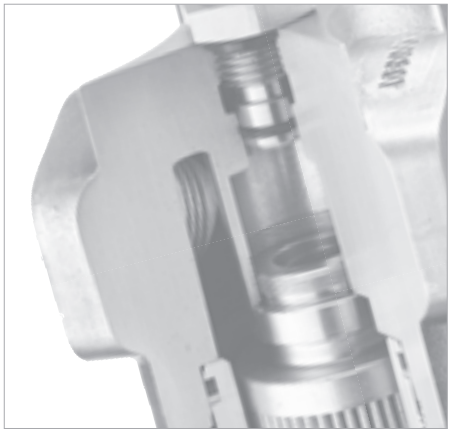
Many of our products have been successfully tested and approved by several international organisations and institutes.

Our well-stocked warehouses and flexible production lines ensure prompt reactions and short delivery times.

Represented by a tight network of distributors and wholly-owned manufacturing facilities, distribution bases and warehouses in 15 countries worldwide, we are also close to you.

Our subsidiaries also supply additional retail products related to the hydraulics industry, thereby offering a near-complete range of industry-specific key products.





STAUFF Clamps

Clamping systems for pipes, tubes, hoses, cables and other components; custom-designed special clamps according to customer`s requirements

Standard Series acc. to DIN 3015-1
- For diameters up to 102 mm
- Clamp bodies made of Plastic or Aluminium
- Installation equipment in Steel or Stainless Steel

Heavy Series acc. to DIN 3015-2
- For diameters up to 450 mm
- Clamp bodies made of Plastic or Aluminium
- Installation equipment in Steel or Stainless Steel

Twin Series acc. to DIN 3015-3
- For diameters up to 42 mm
- Also available for two different diameters
- Clamp bodies made of Plastic
- Installation equipment in Steel or Stainless Steel
- Also available as Heavy or Compact version

Saddle Clamps for Cylinder Supply Lines

Light Series
- Single or Double version available
- For diameters up to 32 mm
- Also available for two different diameters
- Clamp bodies made of Plastic
- Installation equipment in Steel or Stainless Steel

Construction Series
- For diameters up to 1000 mm
- Robust multi-part Steel construction
- For weld or bolt installation

Flat and Round Steel U-Bolts
- For diameters up to 521 mm
- U-Profile and accessories made of Steel or Stainless Steel
- Also available with Plastic Pipe Saddle
- Rubber-Shrouded versions available

Metal Pipe Clamps acc. to DIN 3567-A/B
- For diameters up to 521 mm

Light Saddles acc. to DIN 1592/93
Heavy Saddles acc. to DIN 1596/97
- For diameters up to 115 mm

Cushion Clamp Series

Custom-Designed Clamps
- Custom-designed clamping systems according to customer`s specifications or based on STAUFF developments
- Clamp bodies made of Plastic or Metal
- Machined or injection moulded versions

STAUFF Test

Pressure test systems for monitoring and control of fluid and geasous pressure systems; for venting and sampling in high- and low-pressure systems

Test 20 - Connection Thread M16 x 2
- Available with ball check and piston valve
- Max. working pressure 630 bar / 9137 PSI
- Coupling at working pressure
- Available in Steel, zinc/nickel-plated C6F (CrVI-free) or Stainless Steel

Test 15 - Connection Thread M16 x 1,5
- Available with ball check and piston valve
- Max. working pressure 630 bar / 9137 PSI
- Coupling at working pressure
- Available in Steel, zinc/nickel-plated C6F (CrVI-free) or Stainless Steel

Test 12 - Connection Thread S12,65 x 1,5
- Available with piston valve
- Max. working pressure 630 bar / 9137 PSI
- Coupling at working pressure
- Available in Steel, zinc/nickel-plated C6F (CrVI-free) or Stainless Steel

Test 10 - Plug in System
- Available with ball check
- Max. working pressure 400 bar / 5801 PSI
- Coupling at working pressure
- Available in Steel, zinc/nickel-plated C6F (CrVI-free)

Adaptors
- Thread and Welding Adaptors
- Gauge Adaptor
- Sampling Hose Adaptor
- Hose Connector

Pressure Gauges and Accessories
- Stainless Steel Pressure Gauges
- Pressure Test Kits (consisting of test hoses, pressure gauges, test points, adaptors and accessories)
- Can be assembled accoding to customer's requirements

Test Hoses and Accessories
- Nominal bores DN2 and DN4
- Max. working pressure 630 bar / 9137 PSI
- Comprehensive range of Hose Ends

Filtration Technology

Filter systems for the basic equipment of mobile and industrial hydraulic applications; wide range of replacement filter elements

High Pressure Filters
- Max. working pressure up to 420 bar / 6000 PSI
- Max. flow rate up to 1320 l/min / 300 US GPM
- Available for different installation positions

Medium Pressure Filters
- Max. working pressure up to 160 bar / 2320 PSI
- Max. flow rate up to 1320 l/min / 300 US GPM

In-Line Filters
- Max. working pressure up to 14 bar / 200 PSI
- Max. flow rate up to 7000 l/min / 1850 US GPM

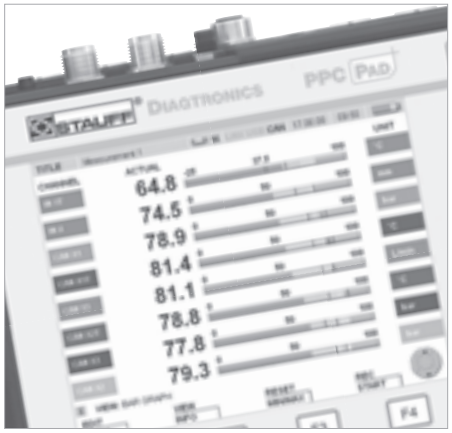
Return Line Filters
- Max. working pressure up to 34,5 bar / 500 PSI
- Max. flow rate up to 1135 l/min / 300 US GPM

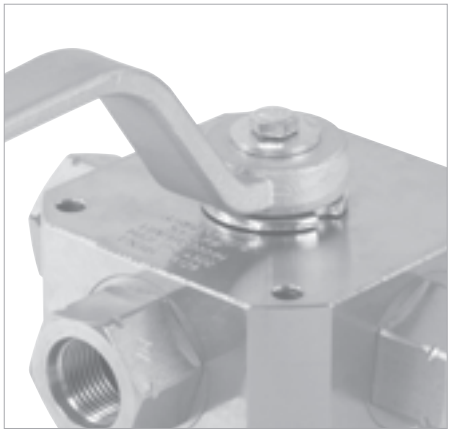
Spin-On Filters
- Spin-On Filter Heads
- Comprehensive range of Spin-On Filter Elements
- Clogging Indicators

Offline / Bypass Filters
- Max. system volume up to 10800 l / 2853 gal
- Available with integrated motor/pump unit
- Several motor types available

Mobile Filter Units
- Nominal flow rate up to 110 l/min / 30 US GPM
- Several types available

Replacement Filter Elements
- Replacements for all major brands available
- More than 10000 different types
- Large stock-availability





Diagtronics

Analog and digital pressure test systems for monitoring and analysis of hydraulic fluids (pressure, temperature, flow rate, rotational speed, contamination)

Pressure Gauges
- Analog and digital pressure measuring of fluid and gaseous media
- Determination and wireless transmission of measured values
- Pressure Test Kits available with comprehensive accessories

Hydraulic Testers PPC-04/2, PPC-06/08-plus
- Digital measuring device for working pressure, temperature, flow rate and rotational speed
- Available with up to 6 sensor interfaces; automatic recognition and identification of connected sensors
- Internal data storage capacity for up to 250000 data points
- Permanent recording of MIN/MAX values

Hydraulic Tester PPC-Pad
- Portable multi-function hand-held measuring instrument
- Pressure, temperature, flow and speed can be measured, monitored and analysed
- Measurement and display of over 50 channels
- Measured value display: numerical, bar graph, pointer, curve graph
- Project templates can be saved and loaded
- Interfaces: CAN, LAN, USB
- Total memory with up to 1 billion measured values

Laser Particle Counters
- 8-channel particle counters for the contamination control of hydraulic fluids
- 3 versions available (portable, mobile, inline)
- Comprehensive range of accessories (e.g. Bottle Sampler)
- 4-channel particle counters for the permanent contamination control of hydraulic fluids

Sensors and Switches
- For continuous monitoring of critical hydraulic systems
- Wide range of STAUFF transmitters and switches are available
- Available in many pressure and temperature ranges

Flow Meters

Hydraulic Accessories

Components for the construction of hydraulic reservoirs and power units for the mobile and industrial hydraulic sectors

Level Gauges
- Visual/electrical level indication
- Also available with thermo sensors / switches for temperature indication

Filler Breathers
- Made of Plastic or Metal
- Different types and accessories

Giant Air Breathers

Desiccant Air Breathers
- Economy version or with check valves available
- Visual Contamination Indicator with adaptor plate

Suction Line Accessories
- Suction Strainers

Return Line Accessories
- Diffusers
- Return Line Bushings

Pipe, Tube and Hose Cleaning System

Valves

Shut-off and throttle valves from DN2 to DN125 for the mobile and industrial hydraulic sectors

Two-Way Ball Valves
- Block, forged or round body design
- Different connection styles and sizes
- Available in Steel, zinc/iron-plated C6F (CrVI-free) or Stainless Steel

Multi-Way Ball Valves
- Block body design
- Three-way or four-way selector
- Available with L-, T- or double L-bore
- Different connection styles and sizes
- Available in Steel, zinc/iron-plated C6F (CrVI-free) or Stainless Steel

Flow Control Valves
- Throttle and shut-off the flow of liquid media in both directions or only in one direction (free flow in reverse direction)
- Also with pressure compensating
- Available in different designs (for in-line, manifold or cartridge assembly)
- Check Valves

Gauge Isolator Valves
- Effective protection of pressure gauges against overload caused by pressure peaks
- Multi station version for pressure measurement on six positions in the hydraulic circuit with only one pressure gauge

Our products are a driving force, whether on land, on water or in the air.

The exceptional quality of the equipment and the machines in which STAUFF products are used form the benchmark for the functionality and precision of the STAUFF product portfolio.

STAUFF products play a crucial role in many key sectors such as mobile and industrial hydraulics.

The complete portfolio is as varied as the sectors in which the products are used.

- **Mobile Applications:** construction, forestry, agricultural and mining equipment; municipal vehicles; lifting and material handling; marine, railroad and automobile transportation; etc.
- **Industrial Applications:** machines, engines and power units (metal-working machinery, iron and steel industry, injection moulding machinery, etc.); production, transportation and processing of oil and gas (on-shore and off-shore); wind power; nuclear plants and reactors; chemical and food processing industries; etc.

Flanges

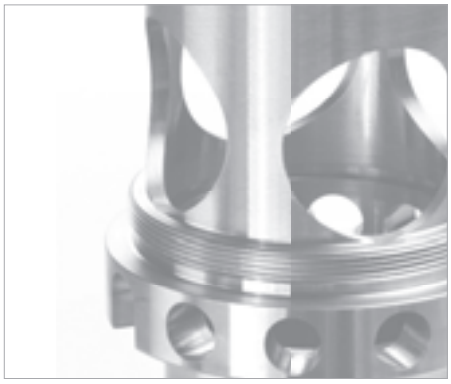
Full range of SAE flanges (standard and high-pressure series) and gear pump flanges

SAE Flanges

- According to DIN ISO 6162-1/2 and SAE J 518C
- Standard and high-pressure series
- Nominal sizes DN13 to DN127
- Split flange halves and flange clamps
- Butt weld and socket weld adapters
- Both straight and 90° version available
- Male threaded adapters with 24° cone connector
- Single-part flanges available in different types (e.g. female threaded flanges, butt weld and socket weld flanges, male threaded flanges), both straight and 90° version available
- Flange blocks

Gear Pump Flanges

- In different types and sizes (e.g. 3- or 4-hole flanges)
- Both straight and 90° version available
- Threaded connections, butt weld and socket weld flanges, fitting and screw-in flanges



System Technology

Turned, milled, punched and bent parts

- All suitable materials such as Steel, Stainless Steel, non-ferrous metals or thermoplastics
- Various surface and heat treatments
- Size of up to 65 mm on automatic bar machines and up to 400 mm on automatic chuck lathes
- Production on modern single and multi-spindle automatic lathes, long turning automatic screw machines and CNC turning centers
- Permanent control of all production processes

Product Applications

Figures: 1. ThyssenKrupp Marine Systems AG; 2. Nordex AG; 3. Voith Paper GmbH & Co. KG

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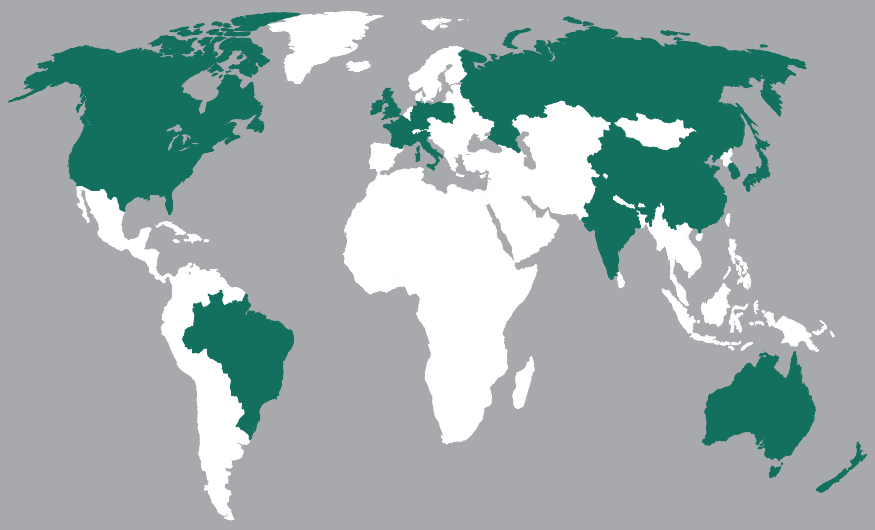

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Globally available through wholly-owned branches and distributors in all industrial countries.

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