

RATHMANN®

PRESSURE VESSEL CLAMPING TECHNOLOGY

DEFINED SEALING FORCE. RELIABLE CONNECTIONS.

Engineered screw-clamp
solutions for demanding
pressure equipment, process
vessels and special applications.

GERMAN ENGINEERING

APPLICATION FOCUS

TECHNICAL SUPPORT

70+ YEARS OF DEVELOPMENT and APPLICATION EXPERIENCE

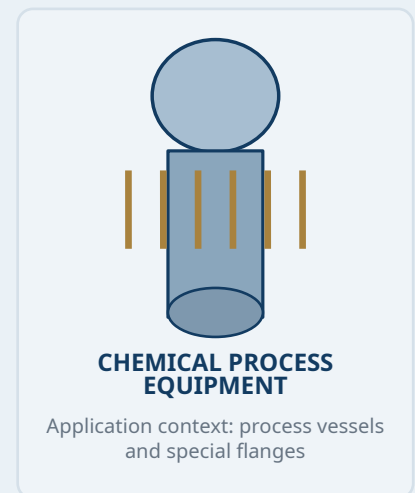
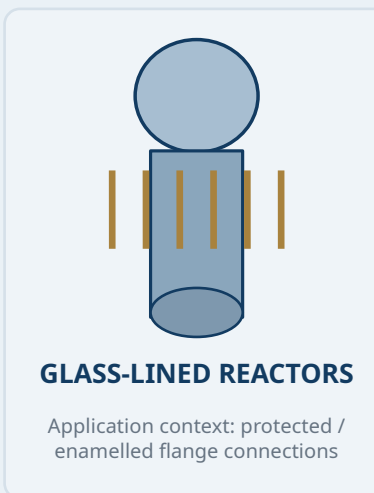
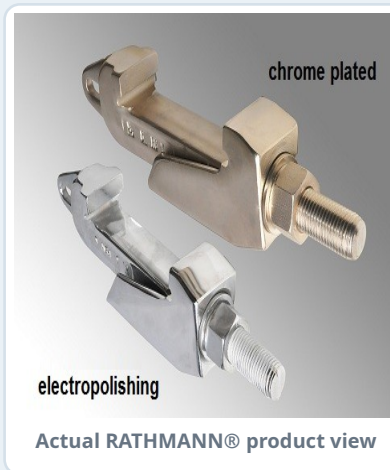
Established in 1952 • worldwide
distribution since 1968

Product families

Segment • Wulst • DIN 28152 • Special /
custom clamps

Presented in India by

**HAFLINGER
TECHNOLOGIES PVT. LTD.**



WHY RATHMANN®?

- **Controlled / defined sealing force** Suitable clamp geometry for the intended flange design
- **Material options** AD 2000 and ASME material configurations
- **Application engineering** Standard and special designs according to requirements
- **Quality & documentation** Third inspection and material documentation options

YOUR APPLICATION. OUR ENGINEERING CONNECTION.

Send your flange drawing, existing clamp or equipment
details for selection support.

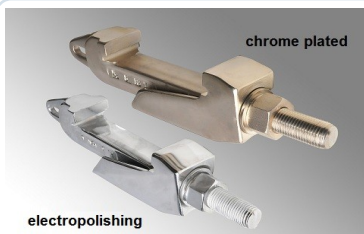
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Three Clamp Families. One Engineering Principle.

The decisive design variable is the clamp contact surface and its geometry — matched to the intended flange connection.

ENGINEERED CLAMPING

Rathmann screw clamps are designed to create defined or application-specific sealing forces for connecting parts. The appropriate family depends on contact geometry, protected surfaces, dimensions and operating conditions.



Exact product photograph

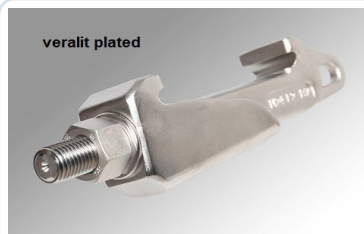
SEGMENT SCREW CLAMPS

Produce defined sealing forces for connecting parts. The contact surface and geometry distinguish the segment design from the Wulst design.

APPLICATION FOCUS

Pressure equipment • process vessels
• engineered flange connections

Defined sealing force



Exact product photograph

WULST SCREW CLAMPS

Create custom sealing forces with surface-protected connected parts, e.g. enamelled flanges.

APPLICATION FOCUS

Protected / enamelled flanges •
process equipment

Protected surfaces



Exact product photograph

DIN 28152 SCREW CLAMPS

Create custom sealing forces with surface-protected connected parts. Rathmann states the DIN 28152 design is mainly used in the chemical sector.

APPLICATION FOCUS

Chemical equipment • glass-lined
vessel applications

DIN 28152

PRODUCT & CONFIGURATION OPTIONS

Materials

AD 2000: 42CrMo4, X6CrNiMoTi17-12-2, C35E • ASME: B7, B8M Class 1

Surface treatments

Blue galvanizing • electropolishing • pickling & passivation • chemical nickel • hard chrome • Veralit • other options

Nuts / accessories

Hexagon nuts • cap nuts • wing nuts • toggle nuts / fixtures (as applicable)

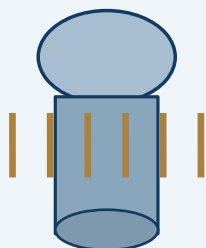
Selection identifiers

Examples in WGR inquiry sheet: M20-L-B7 • WU-M20-L-B7 • DIN-M20-60-85-B7

Selection should always be based on the applicable Rathmann datasheet, clamp family, flange geometry, operating conditions and sealing system.

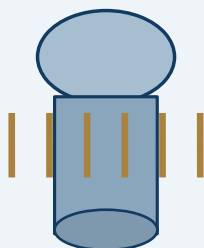
Where Rathmann® Clamping Technology Fits

Use the application story to guide the customer to the correct clamp family — then move into engineering selection.



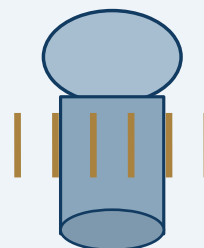
CHEMICAL PROCESSING

Reactors • process vessels • special flange connections



GLASS-LINED EQUIPMENT

Enamelled / protected flange interfaces



PRESSURE VESSELS

Engineered clamping for pressure equipment

APPLICATION → PRODUCT LOGIC

- **Surface-protected / enamelled flange** Consider Wulst or DIN 28152 geometry depending on the connection and specification.
- **General engineered connection** Segment screw clamp offers defined sealing-force characteristics for suitable flange designs.
- **Chemical sector / glass-lined vessel** DIN 28152 is specifically identified by Rathmann for chemical-sector use and protected flange connections.
- **Non-standard geometry / special requirement** Use Rathmann application engineering for special clamp development and customer-specific configurations.

TARGET INDUSTRIES / EQUIPMENT

CHEMICAL

PHARMA*

FINE CHEMICALS

GLASS-LINED REACTORS

PROCESS VESSELS

FILTER / SPECIAL EQUIPMENT

*Application suitability is subject to equipment design, materials, surface finish, sealing system and customer specification.

WHAT TO SHARE WITH HAF LINGER FOR A FAST TECHNICAL RESPONSE

Flange / drawing dimensions

Clamp quantity & required size

Thread / material requirement

Pressure & temperature

Gasket / sealing arrangement

Surface protection / lining

Application context images in this concept are illustrative. For commercial release, replace with WGR-approved or properly licensed customer/application photographs.

Specification, Documentation & India Support

A strong technical proposition needs the right material, documentation, surface treatment and application coordination.

MATERIALS

AD 2000 material options include 42CrMo4, X6CrNiMoTi17-12-2 and C35E. ASME options include Grade B7 and B8M Class 1.

AD 2000 / ASME

TESTING

Rathmann states that impact and tensile testing are carried out together with TÜV Rheinland AG at its plant.

TEST & VERIFY

DOCUMENTATION

Rathmann states that inspection documentation can include DIN EN 10204 certificates; ASME material can be supplied with 3.1 documentation.

TRACEABILITY

SPECIAL DESIGNS

Development and construction are available for special applications and customer-specific clamp requirements.

APPLICATION ENGINEERING

SURFACE TREATMENT OPTIONS

- Blue galvanized
- Electropolished
- Pickled & passivated
- Chemically nickel
- Hard chrome plated
- Veralit plated
- Other / by requirement



Supplied product view



Supplied product view

HAFLINGER TECHNOLOGIES — YOUR INDIA ENGINEERING INTERFACE

APPLICATION ENGINEERING

Reviewing flange geometry, service conditions and selection requirements

PRODUCT SELECTION

Supporting clamp family, material, size and configuration identification

TECHNICAL COORDINATION

Liaising with WGR Rathmann for standard and special requirements

LOCAL SUPPORT

Commercial and technical interface for Indian OEMs, EPCs and end users

NEED THE RIGHT CLAMP FOR YOUR APPLICATION?

[PHONE] [EMAIL] [WEBSITE] | [QR CODE]

PRODUCTION NOTE: Verify current 2026 certificate scope / validity with WGR before adding certificate badges or certificate numbers to the final printed brochure.