TECHNICAL SERIES GUIDE

# Specialty repair sleeves

Six limiting conditions, six separate engineering questions. Select one build against the actual pipe, medium, pressure, temperature and installation conditions.

01 / REFERENCE FITTING

SP / PRESSURE

## High-Pressure Repair Sleeve

Measure each interface. Confirm the finished assembly on its drawing.



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01 PRODUCT RANGE

02 SELECTION MATRIX

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PRODUCT RANGE

# Start with the limiting duty.

A variant name identifies a design question, not a family-wide rating or automatic compatibility with a named medium.



SP / PRESSURE

## High-Pressure Repair Sleeve

Pressure-specific assembly review

BUYER INPUT

Working, design, surge and test pressure; wall and defect assessment.



SP / CHEMICAL

## Acid- and Alkali-Resistant Repair Sleeve

Defined chemical exposure

BUYER INPUT

Exact fluid, concentration, temperature and cleaning cycle.



SP / CORROSION

## Corrosion-Resistant Repair Sleeve

Internal and external exposure differ

BUYER INPUT

Soil / atmosphere, pipe environment, medium and service target.

CONFIGURATION BOUNDARY

Do not combine the highest pressure, widest temperature range or broadest chemical claim from separate variants into one imagined product. Confirm one assembly for the real service.

PRODUCT RANGE

# Start with the limiting duty.

A variant name identifies a design question, not a family-wide rating or automatic compatibility with a named medium.



SP / NBR

## NBR-Sealed Repair Sleeve

Seal compound depends on the fluid

BUYER INPUT

Oil type, additives, temperature range and mixed duty.



SP / TEMPERATURE

## High-Temperature Repair Sleeve

Check the complete assembly

BUYER INPUT

Normal / peak temperature, duration, medium, pressure and cycles.



SP / LOW TEMP

## Ultra-Low-Temperature Repair Sleeve

Minimum service condition is key

BUYER INPUT

Minimum temperature, fluid phase, pressure, cycles and test basis.

CONFIGURATION BOUNDARY

Do not combine the highest pressure, widest temperature range or broadest chemical claim from separate variants into one imagined product. Confirm one assembly for the real service.

SELECTION MATRIX

# Review the full assembly.

A high-pressure inquiry illustrates the method: pressure is one input among pipe integrity, defect geometry, seal chemistry, thermal duty and verification.

| CHECK | BUYER INPUT | CONFIRM ON DRAWING |
|---|---|---|
| **Pipe** | Measured OD, material, thickness, ovality and corrosion. | Fit tolerance, remaining wall and clamping loads. |
| **Pressure** | Working, design, surge and test values; cycle frequency. | Assembly rating and pressure-test acceptance. |
| **Defect** | Type, axial length, position and whether it is growing. | Repair envelope, seal position or replacement decision. |
| **Medium** | Exact fluid, phase, additives and cleaning chemicals. | Seal compound and compatibility at stated conditions. |
| **Temperature** | Normal / peak / minimum, duration and cycling. | Body, seal, fasteners and finished-assembly evidence. |

CONFIGURATION BOUNDARY

| | |
|---|---|
| **Installation** | Isolation, depressurisation and access are site-specific decisions. |
| **Verification** | Agree drawing revision, inspection and test before supply. |
| **Boundary** | Do not infer steam, cryogenic or live-line approval from variant names. |

SEND ONE USEFUL INQUIRY

Provide a pipe / defect sketch, measured OD and remaining wall, medium, all operating / surge / test pressures and temperatures, photos, quantity and destination. Mark unknowns.

RELEASE CHECKLIST

# From inquiry to approved build.

A compact handover checklist. Record unknowns instead of replacing them with assumptions; the approved drawing and agreed test define the supplied configuration.

| | |
|---|---|
| **01 / Geometry** | Identify the exact pipe shape and dimension every interface separately. |
| **02 / Service** | Record medium, pressure transients and normal / extreme temperature. |
| **03 / Integrity** | State defect extent, remaining wall, corrosion and any growth concern. |
| **04 / Assembly** | Confirm body, seal, fastener and contact geometry on one drawing. |
| **05 / Installation** | Agree isolation, access, tightening sequence and site supervision. |
| **06 / Verification** | Agree inspection, pressure test and acceptance documentation. |
| **07 / Commercial** | State quantity, packaging, delivery destination and drawing revision. |

HANDOVER PACKAGE

| | |
|---|---|
| **Approved drawing** | Dimensions, materials, seal, fasteners and revision ID. |
| **Product record** | Selected model and conditions for this exact assembly. |
| **Inspection / test** | Agreed scope, measured result and acceptance record. |
| **Shipping record** | Part marking, quantity, packaging and destination. |

SEND ONE USEFUL INQUIRY

Provide a pipe / defect sketch, measured OD and remaining wall, medium, all operating / surge / test pressures and temperatures, photos, quantity and destination. Mark unknowns.