

SAFETY FLANGE TOOLS ARE BEST TOOLS



FLANGE SPREADING TOOLS & KIT ATEX

- 9.0T MECHANICAL FLANGE SPREADER
- 15.5T HYDRAULIC FLANGE SPREADER
- 14.5T HYDRAULIC FLANGE SPREADER

NUT CUTTING

- SW13-SW105 HYDRAULIC NUT CUTTER

FLANGE ALIGNMENT TOOLS & KITS

- 4.0T MECHANICAL FLANGE ALIGNMENT TOOL
- 9.0T HYDRAULIC FLANGE ALIGNMENT TOOL

PRECISION LIFTING & LOWERING TOOLS

- 18.0T HYDRAULIC LIFTING WEDGES

SEALED HAND-PUMP ATEX & KITS

- HAND PUMP SINGLE PORT
 - HAND PUMP TWIN PORT
- HAND PUMP KIT WITH HOSE
- HAND PUMP KIT WITH HOSE ATEX

HSW15TEX Single & Twin Kit

HYDRAULIC FLANGE SPREADER WEDGE ATEX SINGLE & TWIN KIT

This is a general-purpose spreading wedge for a flange joint with a minimum access gap of 6mm. It is actuated by an external hand pump (P350AEX or P350BEX) and is ATEX certified for use in the hazardous areas in zones 1 and 2.



TOOL CAPABILITIES

SPREADING FORCE

with 700bar hydraulic pressure applied:

- 15.5T (155kN)

SPREADING DISTANCE

- 6.0mm - 31.0mm using only 1st step
- 6.0mm - 62.0mm using 4 steps (without stepped blocks)
- 31.0mm - 81.0mm using optional stepped blocks kit

TOOL WEIGHT: 7.0kg

| Product Code | Tool | Pump kit | incl. hose | In Case |
|--------------------------|--------------|----------|-------------|---------|
| HSW15TEX single kit | 1 x HSW15TEX | - | - | Yes |
| HSW15TEX twin kit | 2 x HSW15TEX | - | - | Yes |
| HSW15TEXHPA single kit | 1 x HSW15TEX | HP350A | 1 x HH180 | Yes |
| HSW15TEXHPB twin kit | 2 x HSW15TEX | HP350B | 2 x HH180 | Yes |
| HSW15TEXHPAEX single kit | 1 x HSW15TEX | HP350AEX | 1 x HHEX180 | Yes |
| HSW15TEXHPBEX twin kit | 2 x HSW15TEX | HP350BEX | 2 x HHEX180 | Yes |

HSW15TSCEX

INTEGRAL HYDRAULIC FLANGE SPREADER WEDGE ATEX

This general-purpose, self-contained spreading wedge for a flange joint with a minimum access gap of 6mm is actuated by an integral hydraulic hand-pump; therefore, no hoses or external pumps are required. It is ATEX certified for use in the hazardous areas in zones 1 and 2.



TOOL CAPABILITIES

SPREADING FORCE

with 700bar hydraulic pressure applied:

- 14.5T (145kN)

SPREADING DISTANCE

- 6.0mm - 31.0mm using only 1st step
- 6.0mm - 62.0mm using 4 steps (without stepped blocks)
- 31.0mm - 81.0mm using optional stepped blocks kit

TOOL WEIGHT: 9.0kg

| Product Code | Tool with Integral Pump | In Case |
|--------------|-------------------------|---------|
| HSW15TSCEX | HSW15TSCEX | Yes |

MSW9TEX Single & Twin Kit

MECHANICAL FLANGE SPREADER WEDGE ATEX

The general-purpose, entry level spreading wedge for a flange joint with a minimum access gap of 6mm is mechanically operated using the supplied torque wrench. It is ATEX certified for use in the hazardous areas in zones 1 and 2.



TOOL CAPABILITIES

SPREADING FORCE

with 203N.m (150ft.lb) torque applied:

- 9.0T (90kN)

SPREADING DISTANCE

- 6.0mm - 31.0mm using only 1st step
- 6.0mm - 62.0mm using 4 steps (without stepped blocks)
- 31.0mm - 81.0mm using optional stepped blocks kit

TOOL WEIGHT: 5.5kg



| Product Code | Tool | In Case |
|--------------------|-------------|---------|
| MSW9TEX single kit | 1 x MSW9TEX | Yes |
| MSW9TEX twin kit | 2 x MSW9TEX | Yes |

HMSP

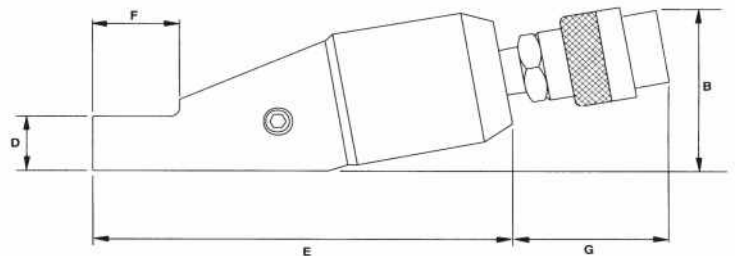
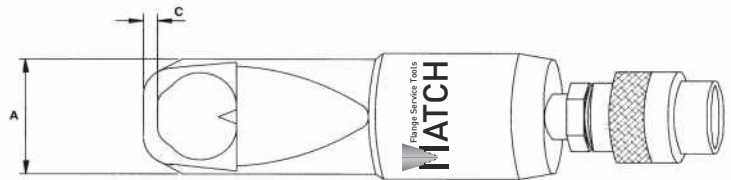
Hydraulic Nut Cutter

The compact design is optimal in a confined space with enough force to split the rusted nuts with Max Hardness HRC44. The Nut Cutter is operated by an external hydraulic hand-pump (P350AEX, P550AEX or P1000AEX).

TOOL CAPABILITIES

Hexagon Nut Range (mm) SW13-105
Bolt Range M6-M72

| Product Code | Hexagon Nut Range (mm) | Bolt Range (mm) |
|--------------|------------------------|-----------------|
| HMSP 1319 | 13-19 | M6-M12 |
| HMSP 1924 | 19-14 | M12-M16 |
| HMSP 2432 | 24-32 | M16-M22 |
| HMSP 3241 | 32-41 | M22-M27 |
| HMSP 4150 | 41-50 | M27-M33 |
| HMSP 5060 | 50-60 | M33-M39 |
| HMSP 6075 | 60-75 | M39-M48 |
| HMSP 7590 | 75-90 | M48-M60 |
| HMSP 90105 | 90-105 | M60-M72 |



MFA4T

MECHANICAL FLANGE ALIGNMENT TOOL

The tool is designed to lift, lower and re-alignment of misaligned flanges. It is mechanically operated using the supplied torque wrench.

TOOL CAPABILITIES

ALIGNING (LIFTING) FORCE

from 67,8 Nm of torque
 • 4.0T (40 kN)

WING EXTENSION

• 45mm - 158mm

MINIMUM APPLICABLE BOLT HOLE DIAMETER

• 25mm (1.0")

TOOL WEIGHT: 8.6kg



| Product Code | Tool | In Case |
|--------------|-------|---------|
| MFA4T | MFA4T | Yes |

HFA9T

HYDRAULIC FLANGE ALIGNMENT TOOL

The tools is designed to lift, lower and re-alignment of misaligned flanges. It is actuated by an external hydraulic hand-pump, P350AEX.

TOOL CAPABILITIES

ALIGNING (LIFTING) FORCE

with 700bar hydraulic pressure applied:
 • 9.0T (90 kN)

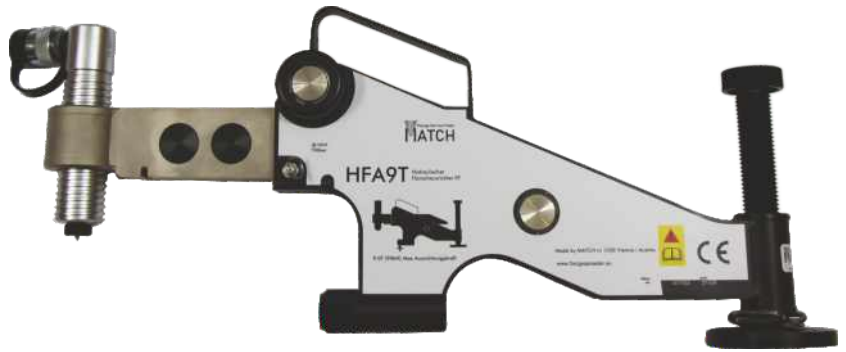
WING EXTENSION

• 105mm - 240mm

MINIMUM APPLICABLE BOLT HOLE DIAMETER

• 35,5mm (1.4")

TOOL WEIGHT: 14.5kg



| Product Code | Tool | Pump kit | incl. hose | In Case |
|--------------|-------|----------|------------|---------|
| HFA9T | HFA9T | - | - | Yes |
| HFA9THP kit | HFA9T | HP350AEX | 1 x HH180 | Yes |

HPLW18T Single und Twin Kit

HYDRAULIC PRECISION LIFTING WEDGE SINGLE & TWIN KIT

This kit is designed to lift or lower objects in a controlled manner. The HPLW range will give a safe, smooth, secure hold when lifting or lowering heavy equipment. This tool will lift an object in a stable movement from an access gap of only 9.5mm. It is actuated by an external hydraulic hand-pump (P350AEX or P350BEX).

TOOL CAPABILITIES

LIFTING FORCE

with 700bar hydraulic pressure applied:

- 18.0T (180 kN)

LIFTING DISTANCE

- 0.95mm - 29,50mm using only 1st step
- 0.95mm - 51,50mm using 4 steps (without stepped blocks)
- 0.95mm - 67.5mm using optional stepped block kit

TOOL WEIGHT: 8.5kg



| Product Code | Tool | Pump kit | incl. hose | In Case |
|-----------------------|-------------|----------|------------|---------|
| HPLW18T0 | 1 x HPLW18T | - | - | No |
| HPLW18T single kit | 1 x HPLW18T | - | - | Yes |
| HPLW18T twin kit | 2 x HPLW18T | - | - | Yes |
| HPLW18THPA single kit | 1 x HPLW18T | HP350A | 1 x HH180 | Yes |
| HPLW18THPB twin kit | 2 x HPLW18T | HP350B | 2 x HH180 | Yes |

HPLW18TC Integral Kit

HYDRAULIC PRECISION LIFTING WEDGE INTEGRAL KIT

This kit is designed to lift or lower objects in a controlled manner. The HPLW range will give a safe, smooth, secure hold when lifting or lowering heavy equipment. This tool will lift an object in a stable movement from an access gap of only 9.5mm. It is actuated by an integral hydraulic hand-pump, therefore, no hoses or external pumps are required.

TOOL CAPABILITIES

LIFTING FORCE

with 700bar (10,000psi) hydraulic pressure applied:

- 18.0T (180 kN)

LIFTING DISTANCE

- 0.95mm - 29,50mm using only 1st step
- 0.95mm - 51,50mm using 4 steps (without stepped blocks)
- 0.95mm - 67.5mm using optional stepped block kit

TOOL WEIGHT: 12.0kg



| Product Code | Tool with Integral Pump | In Case |
|--------------|-------------------------|---------|
| HPLW18TC | HPLW18TC | Yes |

HAND PUMP SINGLE PORT

HYDRAULIC SINGLE PORT SEALED HAND PUMP ATEX 700 bar

This pump is specially designed to operate in ALL directions. It may be used with any 700 bar tools within their oil capacity specification, for example with HSW15TEX Single Kit, HFA9T, HPLW18T Single Kit, HMSP. Each pump Kit includes a Gauge, an Adaptor and a Coupler. It is ATEX certified for use in the hazardous areas in zones 1 and 2.

TOOL CAPABILITIES

MAX PRESSURE RATING

1st Stage : 13,8 bar
2nd Stage : 700 bar

OIL CAPACITY

350cc ; 550cc ; 1000cc



| Product Code | Pump kit incl. Gauge, Adapter and Coupler |
|--------------|---|
| P350AEX | Yes |
| P550AEX | Yes |
| P1000AEX | Yes |

HAND PUMP TWIN PORT

HYDRAULIC TWIN PORT SEALED HAND PUMP ATEX 700 bar

This pump is specially designed to operate in ALL directions. It may be used with any 700 bar tools within their oil capacity specification, for example with HSW15TEX Twin Kit, HPLW18T Twin Kit. Each pump Kit includes a Gauge, an Adaptor and a Coupler. It is ATEX certified for use in the hazardous areas in zones 1 and 2.

TOOL CAPABILITIES

MAX PRESSURE RATING

1st Stage : 13,8 bar
2nd Stage : 700 bar

OIL CAPACITY

350cc ; 550cc ; 1000cc



| Product Code | Pump kit incl. Gauge, Adapter and Coupler |
|--------------|---|
| P350BEX | Yes |
| P550BEX | Yes |
| P1000BEX | Yes |

HAND PUMP KIT WITH HOSE

HYDRAULIC SINGLE OR TWIN PORT SEALED HAND PUMP KIT WITH HOSE 700 bar

This kit is specially designed to operate in ALL directions. Can be used with any 700 bar tools within their oil capacity specification, for example with HSW15TEX, HFA9T, HPLW18T, HMSP. Each pump Kit includes a Gauge, an Adaptor, a Coupler and 1,80m Hose.

TOOL CAPABILITIES

MAX PRESSURE RATING

1st Stage : 13,8 bar
2nd Stage : 700 bar

OIL CAPACITY

350cc



| Product Code | Pump kit incl. Gauge(s), Adapter(s) and Coupler(s) | incl. hose | In Case |
|--------------|--|------------|---------|
| HP350A | P350AEX | 1 x HH180 | Yes |
| HP350B | P350BEX | 2 x HH180 | Yes |

HAND PUMP KIT WITH HOSE ATEX

HYDRAULIC SINGLE OR TWIN PORT SEALED HAND PUMP KIT WITH HOSE ATEX 700 bar

This kit is specially designed to operate in ALL directions. It may be used with any 700 bar tools within their oil capacity specification, for example with HSW15TEX, HFA9T, HPLW18T, HMSP. Each pump Kit includes a Gauge, an Adaptor, a Coupler and 1,80m Hose. It is ATEX certified for use in the hazardous areas in zones 1 and 2.



TOOL CAPABILITIES

MAX PRESSURE RATING

1st Stage : 13,8 bar
2nd Stage : 700 bar

OIL CAPACITY

350cc ; 550cc ; 1000cc

| Product Code | Pump kit incl. Gauge(s), Adapter(s) and Coupler(s) | incl. hose | In Case |
|--------------|--|-------------|---------|
| HP350AEX | P350AEX | 1 x HHEX180 | Yes |
| HP350BEX | P350BEX | 2 x HHEX180 | Yes |

Our Services

MATCH Flange Service Tools offer specially developed hydraulic tools for various industries including- oil/gas (on and offshore), refineries, petrochemical, power plants and any other additional industries that require flange spreading, flange alignment, bolting and flange services.

Our MATCH mechanical and hydraulic Flange Spreader tools and Hand Pump Kits are approved and certificated by Notified Body for use in a potentially explosive atmosphere and marked as ATEX Group II and in conformity with Machinery Directive 2006/42EC and 2014/34/UE.

Our offer ranges from maintenance and repair work to grazing recovery tests in accordance with the applicable regulations. With well-maintained tools, you will achieve maximum availability and the lowest production costs.

At MATCH Flange Service Tools, we guarantee high-quality, safe tools with fast delivery and optimal framework contracts, as well complete service for your mechanical and hydraulic Flange Spreader, Torques wrenches, hydraulic pumps, and on all 700 Bar hydraulic tools.



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