

F.P.T. / TOOLS AND SYSTEMS

PRODUCTION OF CUSTOM HYDRAULIC EQUIPMENT



INDEX

TOOLS AND SYSTEMS

| | Series | | PAGE |
|---|--------|---|------------|
| Nut splitters | TB |  | 150 |
| Hot Bolt & Industrial clamp | HBRC |  | 152 |
| Tightening tool for plate heat exchangers | HEAS |  | 154 |
| Hydraulic presses | PR |  | 155 |



PRODUCT PAGE

To remove your nuts

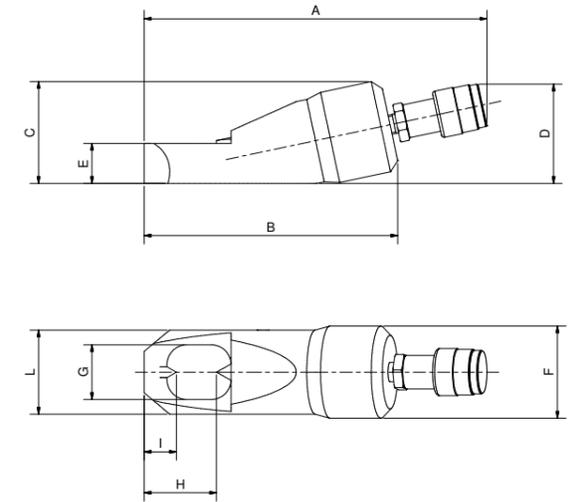
CUSTOM TOOLS ON REQUEST



- Used when nuts are difficult to remove due to rust or wear.
- Equipped with fixed and mobile blades to cut the nut in a single operation: the blades can be sharpened or replaced.
- Used in the petrochemical, railway and nautical sectors.

SAFETY INSTRUCTIONS

- Can be used on hexagonal nuts with hardness under 44 HRC
- During the cutting phase, position the blade to the centre of the surface to cut
- Avoid touching the washer if present



TB

| SCREW DIAMETER | HEX NUT DIAMETER | MODEL | FORCE in ton | DIMENSIONS (mm) | | | | | | | | | | WEIGHT kg | SPARE BLADE MODEL | |
|----------------|------------------|----------|--------------|-----------------|-----|-----|-----|----|-----|-----|-----|----|-----|-----------|-------------------|--------------|
| | | | | A | B | C | D | E | F | G | H | I | L | | FIXED BLADE | MOBILE BLADE |
| M8 - M12 | 13 - 19 | TB 13/19 | 5,5 | 203 | 133 | 48 | 58 | 19 | 43 | 26 | 41 | 21 | 40 | 1,2 | CF-13/19 | CM-13/19 |
| M12 - M16 | 19 - 24 | TB 19/24 | 11 | 233 | 163 | 65 | 68 | 25 | 58 | 34 | 47 | 22 | 55 | 2,3 | CF-19/24 | CM-19/24 |
| M16 - M22 | 24 - 32 | TB 24/32 | 16,5 | 260 | 190 | 75 | 74 | 30 | 69 | 41 | 57 | 24 | 63 | 3,2 | CF-24/32 | CM-24/32 |
| M22 - M27 | 32 - 41 | TB 32/41 | 21,8 | 297 | 230 | 90 | 80 | 35 | 84 | 55 | 77 | 35 | 78 | 5,1 | CF-32/41 | CM-32/41 |
| M27 - M33 | 41 - 50 | TB 41/50 | 35 | 347 | 280 | 112 | 93 | 42 | 103 | 68 | 89 | 38 | 98 | 10,4 | CF-41/50 | CM-41/50 |
| M33 - M39 | 50 - 60 | TB 50/60 | 49,5 | 395 | 330 | 136 | 105 | 52 | 124 | 82 | 103 | 42 | 118 | 17,5 | CF-50/60 | CM-50/60 |
| M39 - M48 | 60-75 | TB 60/75 | 90 | 454 | 400 | 182 | 132 | 75 | 168 | 110 | 113 | 28 | 154 | 38,5 | - | CM-60/75 |



Series **HBRC** | Hot Bolt & Industrial
Clamp



PRODUCT
PAGE

Replacement of damaged nuts –
Industrial Clamping

CUSTOM TOOLS ON REQUEST



- FPT is a producer of Hot Bolt and Industrial Clamping System with applications throughout the industrial sectors, oil & gas as well.

- The system has been designed to remove rusted nuts on pipelines where it is essential to replace the corroded or damaged nuts without interrupting production.

- The standard system consists of 4 FPTs Hot Bolt of 34 kN with a 10 mm stroke and a maximum working pressure of 700 bar, an FPT hand pump model PMSA2, manifold, flex hoses, couplings and accessories. Every Hot Bolt is superficially treated to obtain an excellent resistance against corrosion. Product code: KIT-4HBRC-35

- The tools can be operated through multiple outputs: electric power unit, pneumo-hydraulic pumps and handpumps and the system can be personalized to meet customer's requirements.



Series **HEAS** | Tightening tool for plate heat exchangers



Assembly and disassembly system for plate heat exchangers



PRODUCT PAGE

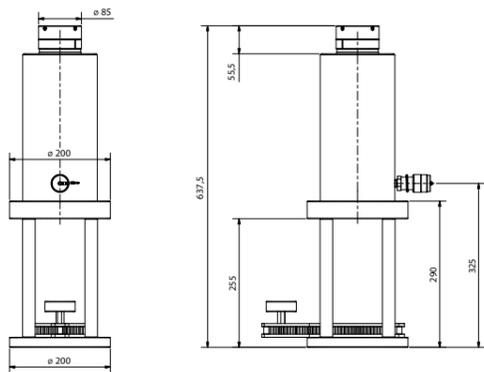
- Tightening tool for plate heat exchangers, FPT code: HEAS is our assembly and disassembly system to perform opening and closing procedure on the exchangers.

- Precise, compact and light weight system for assembly and disassembly plate heat exchangers

- The best solution for customers with a variety of heat exchanger model sizes

- Aluminium hollow cylinders, open bridge and electric hydraulic pump to control 4 cylinders

- Full set of split nut, hex adapter and bushes



| Spare parts list | | | |
|------------------|-----|-------------|---------------------------------------|
| Item | Qty | Part Number | Description |
| A | 1 | 0900119919 | Wrench |
| A,1 | 1 | 0925419910 | Hex adapter ex 75 |
| A,2 | 1 | 0925419911 | Hex adapter ex 70 |
| A,3 | 1 | 0925419912 | Hex adapter ex 65 |
| A,4 | 1 | 0925419913 | Hex adapter ex 60 |
| A,5 | 1 | 0925419914 | Hex adapter ex 55 |
| A,6 | 1 | 0925419909 | Hex adapter ex 80 |
| B | 1 | 0900127052 | Retaining ring |
| B,1 | 1 | 0925427053 | M36 split-nut |
| B,2 | 1 | 0925427054 | M39 split-nut |
| B,3 | 1 | 0925427055 | M42 split-nut |
| B,4 | 1 | 0925427056 | M45 split-nut |
| B,5 | 1 | 0925427057 | M48 split-nut |
| B,6 | 1 | 0925427058 | M52 split-nut |
| C | 1 | 0900127044 | Spacer assembly |
| C,1 | 1 | 0913827046 | D.37 bushing for spacer |
| C,2 | 1 | 0913827047 | D.40 bushing for spacer |
| C,3 | 1 | 0913827048 | D.43 bushing for spacer |
| C,4 | 1 | 0913827049 | D.46 bushing for spacer |
| C,5 | 1 | 0913827050 | D.49 bushing for spacer |
| C,6 | 1 | 0913827051 | D.53 bushing for spacer (not visible) |
| D | 1 | 0900127039 | Hydraulic cylinder |

Hydraulic Presses | Series **PR**



PRODUCT PAGE

- Built according to customer needs and specific operative requirements.

- Equipped with safety guards and systems, fixed or mobile bench, push piston and positioning function on request.

- They can also be equipped with a hand pump or hydraulic pump with electric or air motor.

- Correctly sized structure to guarantee maximum strength and stability during operations.

Multipurpose

CUSTOM TOOLS ON REQUEST

