

Single-Acting Hydraulic Nut Splitters

▼ Shown from left to right: NC-3241, NC-1319, NC-1924



NC, STN Series



Capacity:

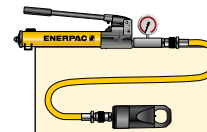
49 - 882 kN (5-90 ton)

Bolt Range:

M6 - M48

Maximum Operating Pressure:

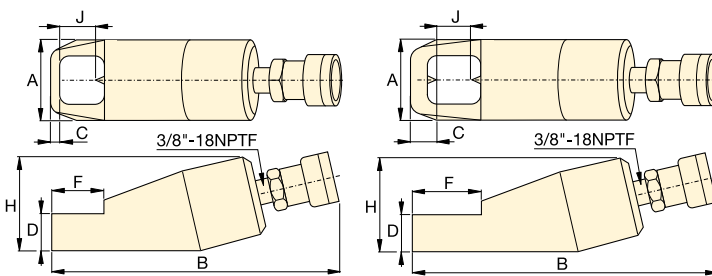
700 bar



Tool-Pump Sets

Hydraulic Nut Splitters are available as sets (pump, tool, gauge, gauge adaptor, couplers and hose) for your ordering convenience.

- Compact and ergonomic design, easy to use
- Unique angled head design
- Two blade design (NC-D models) for time saving operation – nuts are split from two sides in one action
- Single-acting, spring return cylinder
- Heavy duty chisels can be reground
- Nut Splitters include spare chisel, spare set screw and wrench used to secure the chisel. A CR-400 coupler is standard.






Single Blade Models (NC)

Double Blade Models (NC-D)

| Nut Splitter Model Nr. | Hand Pump Model Nr. | Set Model Nr |
|------------------------|---------------------|--------------|
| NC-1924 | P-392 | STN-1924H |
| NC-2432 | P-392 | STN-2432H |
| NC-3241 | P-392 | STN-3241H |

| For Nut Splitter Model Nr. | Replacement Chisel Model Numbers | |
|----------------------------|----------------------------------|------------------|
| | Moving | Static |
| NC-1319 | NCB-1319 | - |
| NC-1924 | NCB-1924 | - |
| NC-2432 | NCB-2432 | - |
| NC-3241 | NCB-3241 | - |
| NC-4150 | NCB-4150 | - |
| NC-5060 | NCB-5060 | - |
| NC-6075 | NCB-6075 | - |
| NC-1924D | NCB-1924 | NCB-1924D |
| NC-2432D | NCB-2432 | NCB-2432D |
| NC-3241D | NCB-3241 | NCB-3241D |

| | Bolt Range (mm) | Hexagon Nut Range (mm) | Capacity ton (kN) | Oil Capacity (cm ³) | Model Number | Dimensions (mm) | | | | | | |  (kg) |
|---|--------------------|---------------------------|----------------------|------------------------------------|------------------|-----------------|-----|----|----|-----|-----|----|---|
| | | | | | | A | B | C | D | F | H | J | |
|  | M6 - M12 | 10 - 19 | 5 (49) | 15 | NC-1319 | 40 | 170 | 7 | 19 | 28 | 48 | 21 | 1,2 |
| | M12 - M16 | 19 - 24 | 10 (98) | 20 | NC-1924 * | 54 | 191 | 10 | 26 | 40 | 62 | 25 | 2,0 |
| | M16 - M22 | 24 - 32 | 15 (147) | 60 | NC-2432 * | 64 | 222 | 13 | 29 | 51 | 72 | 33 | 3,0 |
| | M22 - M27 | 32 - 41 | 20 (196) | 80 | NC-3241 * | 75 | 244 | 17 | 36 | 66 | 88 | 43 | 4,4 |
| | M27 - M33 | 41 - 50 | 35 (343) | 155 | NC-4150 | 94 | 288 | 21 | 45 | 74 | 105 | 54 | 8,2 |
| | M33 - M39 | 50 - 60 | 50 (490) | 240 | NC-5060 | 106 | 318 | 23 | 54 | 90 | 128 | 60 | 11,8 |
| | M39 - M48 | 60 - 75 | 90 (882) | 492 | NC-6075 | 156 | 393 | 26 | 72 | 110 | 181 | 80 | 34,1 |
|  | M12 - M16 | 19 - 24 | 10 (98) | 20 | NC-1924D | 54 | 168 | 22 | 25 | 50 | 66 | 26 | 3,8 |
| | M16 - M22 | 24 - 32 | 15 (147) | 60 | NC-2432D | 64 | 275 | 25 | 31 | 65 | 78 | 33 | 5,4 |
| | M22 - M27 | 32 - 41 | 20 (196) | 80 | NC-3241D | 77 | 305 | 31 | 37 | 80 | 90 | 43 | 7,2 |

Ordering Notes: Maximum allowable hardness to split is HRc-44. Not to be used on square nuts or stainless steel.

* Available as Tool-Pump Set, see note on this page.

▼ Shown: NS-Series Hydraulic Nut Splitters



- Specially designed to suit standard ANSI B16.5 / BS1560 flanges
- Single-acting (spring return) cylinder
- Tri-blade technology provides three cutting surfaces on a single blade
- Interchangeable heads provide maximum nut range flexibility
- Preset scale allows controlled blade extension, which avoids damage to bolt threads
- Grip tape and handle included for more secure manoeuvrability
- Nickel-plated cylinder body for excellent corrosion protection and improved durability in harsh environments
- Internal Pressure Relief Valve for overload protection
- CR-400 coupler and dustcap included on all models.



◀ Heavily corroded and weathered nuts are quickly split and removed using a NS-Series Nut Splitter.

Power and Precision High Performance Nut Splitter



Blade Cutting Depth Scale

Adjustable cutting depth scale for controlled blade extension, which avoids damage to bolt threads. The scale indicates the bolt range in metric and imperial values on each cutting head.



NC-Series, Hydraulic Nut Cutters

The NC-Series models are available featuring an angle-head design for 10 - 75 mm hexagon nuts.

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Joint Separation Tools

FS and FSH-Series parallel wedge spreaders provide quick and easy joint separation using hydraulic or mechanical force.

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Flange Alignment Tools

The ATM-Series provide safe and high-precision flange alignment tools that fit most commonly used ANSI, API, BS and DIN flanges.

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Hydraulic Nut Splitters



Nut Splitter Sets

To provide maximum flexibility, NS-Series Nut Splitters can also be ordered in sets (NS-xxxSy). Select Nut Splitter size and pump style from the chart below. To order additional Cutting Heads (NSH-xxxxxx), Cylinders (NSC-xxx) or Replacement Blades (NSB-xxx), see Selection Chart below.

SET SELECTION:

- 1 Select your Nut Splitter
- 2 Select your pump type

NS Series



Capacity:

917 - 1711 kN

Hexagon Nut Size:

70 - 130 mm

Bolt Range:

M45 - M90

Maximum Operating Pressure:

700 bar

TOOL-PUMP SET SELECTION CHART

| Nut Splitter Model Nr. | Tool-Pump Set Model Nr. | Pump Selection | | | | Accessories Included | | | |
|------------------------|----------------------------|---------------------|----------------------|--------------------------------|--------------------------------|--------------------------|-------------------------|--------------------------|------------------------|
| | | Hand Pump Model Nr. | Air Pump Model Nr. | Cordless Pump (230V) Model Nr. | Electric Pump (230V) Model Nr. | Pressure Gauge Model Nr. | Gauge Adaptor Model Nr. | Hydraulic Hose Model Nr. | Storage Case Model Nr. |
| NS-70105 | NS-70105SH | P-392 | - | - | - | GP-10S | GA-2 | HC-7206 | CM-4 |
| | NS-70105SA | - | XA-11G ²⁾ | - | - | ²⁾ | - | HC-7206 | CM-4 |
| | NS-70105SCE ¹⁾ | - | - | XC-1202ME | - | GA45GC ³⁾ | | HC-7206 | CM-4 |
| | NS-70105SEE ¹⁾ | - | - | - | PUD-1100E | GP-10S | GA-2 | HC-7206 | CM-7 |
| NS-110130 | NS-110130SH | P-802 | - | - | - | GP-10S | GA-2 | HC-7206 | CM-4 |
| | NS-110130SA | - | XA-11G ²⁾ | - | - | ²⁾ | - | HC-7206 | CM-4 |
| | NS-110130SCE ¹⁾ | - | - | XC-1202ME | - | GA45GC ³⁾ | | HC-7206 | CM-4 |
| | NS-110130SEE ¹⁾ | - | - | - | PUD-1100E | GP-10S | GA-2 | HC-7206 | CM-7 |

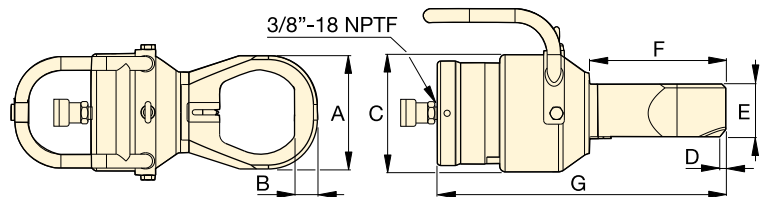
¹⁾ For set with 115 Volt pump application replace last suffix "E" with "B" in model number.

Example : **NS-70105SCB** (set with XC-cordless pump, 115V);

Example: **NS-110130SEB** (set with PU-Series electric pump, 115 V)

²⁾ XA-11G air pump features an integrated pressure gauge.

³⁾ See page 134 for GA45GC details.



NUT SPLITTER SPECIFICATIONS

| Bolt Range | Hexagon Nut Range ¹⁾ | Capacity | Oil Capacity | Model Number ²⁾ | Dimensions (mm) | | | | | | | Cylinder ³⁾ | Cutting Head ³⁾ | Replacement Blade | |
|------------------|---------------------------------|-------------------|--------------------|----------------------------|-----------------|----|-----|-----|-----|-----|-----|------------------------|----------------------------|-------------------|---------|
| | | | | | A | B | C | D | E | F | G | | | | |
| (mm) | (mm) | ton (kN) | (cm ³) | | | | | | | | | (kg) | | | |
| M45 - M52 | 70 - 80 | 103 (917) | 377 | NS-7080 | 132 | 28 | 180 | 8,0 | 81 | 186 | 412 | 37,0 | NSC-70 | NSH-7080 | NSB-70 |
| M45 - M56 | 70 - 85 | 103 (917) | 377 | NS-7085 | 145 | 30 | 180 | 8,0 | 81 | 196 | 422 | 37,0 | NSC-70 | NSH-7085 | NSB-70 |
| M45 - M64 | 70 - 95 | 103 (917) | 377 | NS-7095 | 160 | 32 | 180 | 8,0 | 81 | 201 | 432 | 38,5 | NSC-70 | NSH-7095 | NSB-70 |
| M45 - M72 | 70 - 105 | 103 (917) | 377 | NS-70105 | 174 | 35 | 180 | 9,0 | 81 | 209 | 443 | 39,5 | NSC-70 | NSH-70105 | NSB-70 |
| M76 - M80 | 110 - 115 | 193 (1711) | 819 | NS-110115 | 189 | 36 | 234 | 3,7 | 111 | 234 | 472 | 69,0 | NSC-110 | NSH-110115 | NSB-110 |
| M76 - M90 | 110 - 130 | 193 (1711) | 819 | NS-110130 | 219 | 41 | 234 | 2,5 | 111 | 242 | 493 | 71,5 | NSC-110 | NSH-110130 | NSB-110 |

¹⁾ Maximum allowable hardness to split is HRC-44. See page 275 for hexagon bolt and nut sizes and related thread diameters.

²⁾ NS-Series Nut Splitters ship in two cases: One containing the NSC-Cylinder and one containing the NSH-Cutting Head. Assembly required.

³⁾ Both, the NSH-head and the NSC-cylinder include a cutting blade.