

HYDRAULIC NUT SPLITTER SERIES

5-90 Ton Capacity | Hex Nut Range 10-75 mm | Maximum Operating Pressure 700 bar

Single-Acting Hydraulic Nut Splitters for Controlled Removal of Seized or Damaged Nuts



PRODUCT OVERVIEW

Oceanic Supply hydraulic nut splitters provide a controlled method of splitting seized, corroded or damaged nuts where conventional removal methods are impractical. The range covers seven models from 5 to 90 ton capacity and is intended for use with compatible hydraulic pumps, hoses, couplers and pressure gauges.

FEATURES

- Seven models covering hex nut sizes from 10 mm to 75 mm
- Capacity range from 5 ton to 90 ton
- Single-acting, spring-return hydraulic operation
- Designed for hydraulic systems up to 700 bar (10,000 psi)
- Suitable for use with hand pumps, electric pumps or air-powered hydraulic pumps
- Replaceable cutting blade and serviceable internal components
- Compact head profile for controlled nut splitting in maintenance applications

MODEL RANGE & DIMENSIONS

Model	Capacity (ton)	Hex Nut Range (mm)	Bolt Range	Nut Hardness	A	B	C	D	F	H	Weight (kg)
NC-1319	5	10-19	M6-M12	<=HRC30	40	190	7	19	30	48	1.2
NC-1924	10	19-24	M12-M16	<=HRC30	53	215	10	25	42	62	2.0
NC-2432	15	24-32	M16-M22	<=HRC30	66	245	13	30	54	80	3.2
NC-3241	20	32-41	M22-M27	<=HRC30	75	285	16	36	66	92	4.5
NC-4150	35	41-50	M27-M33	<=HRC38	93	340	19	43	80	110	8.3
NC-5060	50	50-60	M33-M39	<=HRC38	106	370	23	52	98	128	13.9
NC-6075	90	60-75	M39-M48	<=HRC38	156	450	26	70	117	190	35.0

TECHNICAL SPECIFICATIONS

Operating Pressure	Max. 700 bar / 10,000 psi
Operation	Single-acting, spring return
Capacity Range	5-90 ton
Hex Nut Range	10-75 mm
Bolt Range	M6-M48
Nut Hardness	Up to HRC 38 (model dependent)
Working Temperature	-20 C to 50 C
Power Source	Hydraulic hand, electric or air pump

DOCUMENT CONTROL

Document No.	OSP-DS-HYD-0001
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Prepared By	Oceanic Supply
Product Family	Hydraulic Tools & Equipment

IMPORTANT SAFETY LIMITS

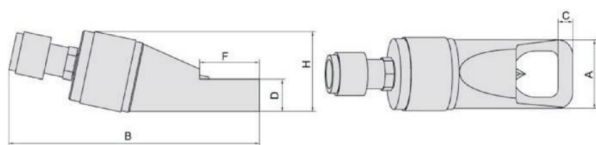
Do not exceed 700 bar. Never split a nut beyond the rated capacity of the selected model. Keep fingers clear of the cutting blade and wear suitable PPE during operation.



HYDRAULIC NUT SPLITTER - OPERATION & SAFETY SUMMARY

Selection, connection, operation and maintenance guidance derived from the supplied user manual.

02 SPECIFICATION



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SYSTEM CONFIGURATION

- A. Pump
- B. Gauge adaptor
- C. Pressure gauge
- D. Hose
- E. Coupler
- F. Hydraulic nut splitter

Pressure limit: 700 bar / 10,000 psi maximum.

BEFORE USE

- Visually inspect the nut splitter and all hydraulic equipment for damage, oil leakage or missing parts.
- Confirm the selected model is suitable for the nut size, bolt range and required capacity.
- Clean hose ends, couplers and hydraulic ports before connection.
- Install a pressure gauge with the same pressure rating as the pump and nut splitter.
- Bleed air from the nut splitter, hose and pump by fully extending and retracting the blade several times.

BASIC OPERATION

1. Fully connect the pump and nut splitter.
2. Place the splitter head correctly over the nut and hold the tool in an appropriate position.
3. Operate the pump and extend the blade until the nut is cracked.
4. Open the pump release valve to retract the blade.
5. Reposition the splitter on the opposite side of the nut, approximately 180 degrees from the first cut, and repeat as required.
6. After the second cut, return the blade and remove the nut splitter.

SAFETY REQUIREMENTS

- Hydraulic equipment must be operated by trained personnel familiar with correct hydraulic working practices.
- Do not modify hydraulic equipment without approval.
- Never exceed the rated capacity of the nut splitter or the 700 bar system pressure limit.
- Keep fingers away from the cutting blade during operation.
- Wear safety glasses, helmet and other necessary personal protective equipment.
- Nut splitters are intended for cutting nuts only. Do not use them to cut bolts, chain, steel bar, glass, plastic, wood or other materials.
- Release hydraulic pressure before removing or tightening hoses or couplers.

CARE & STORAGE

- Keep the nut splitter clean. When not in use, fully retract the blade, remove the hose and protect the coupler with a cap.
- Do not lift or carry hydraulic equipment by hoses or couplers.
- Use within the recommended temperature range of -20 C to 50 C.
- If damaged, remove the tool from service and arrange inspection or replacement.

TROUBLESHOOTING

Problem	Possible Cause	Recommended Action
Nut splitter cannot extend or extends slower than normal	Release valve open; leaky connection; pump malfunction	Close release valve; clean and reseal connection; repair or use another pump.
Nut splitter leaks hydraulic oil	Leaky connection; worn or damaged seals	Clean and reseal thread, tighten connection; contact an authorised service centre.
Nut splitter will not retract or retracts slowly	Pump release valve closed; pump reservoir overfilled; hose blocked; return spring damaged	Open release valve; drain hydraulic oil to correct level; clean or change hose; contact an authorised service centre.

Note: This datasheet is a product summary and does not replace the full operating instructions. Read and follow the supplied user manual before operating hydraulic nut splitters.