

# Operation Instructions

## SNC Series Hydraulic Nut Splitter



Please read these instructions carefully before operating. And keep instructions properly for future reference.



**Unpacking Inspection:** Visually inspect all components for shipping damage. Shipping damage is not covered by warranty. If shipping damage is found, notify carrier at once. The carrier is responsible for all repair and replacement costs resulting from damage in shipment.

**Operation Safety:** Please carefully read and understand the operation contents of this manual before use and abide by these operation rules to prevent the personal injuries and equipment damages during operations of the equipment. ASI VS will not be liable for any damage arising from the incorrect operations.

## **I. Overview**

The nuts extensively applied in the industrial production will be rusted and seized in some cases and will be damaged in threads due to collision in some cases in outdoor high-temperature or corrosive environments. In short, it's really difficult to disassemble such damaged nuts. The previous practice is generally to cut the nuts and bolts together by (gas) welding. However, sometimes flame (electric) welding is prohibited in some special working conditions, such as pulverized coal bunker of power plant and high-pressure high-temperature oil pipelines, which makes helpless how to replace these nuts and bolts. Our hydraulic nut splitter can solve the disassembling and replacement difficulty of bolts and nuts in a rapid, convenient, safe, and efficient manner without using flame or electric welding or damaging the bolt threads.

## II. Features

- The compact and agreeable design features convenient operations.
- Unique angular head design.
- Single-acting hydraulic cylinder with spring return.
- Re grindable heavy-duty chisel.
- Applications: Truck service, pipeline industry, slot and tank cleaning, petrochemical industry, steel construction, and mining.

## III. Technical specification

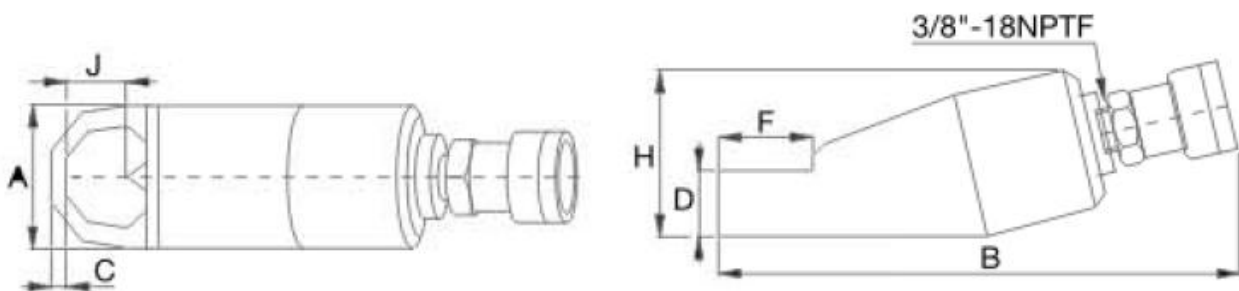


Figure (I)

Screw scope (mm)	Hex nut scope (mm)	Working capacity Ton (KN)	Oil capacity (cm <sup>3</sup> )	Model	Dimension						Weight (kg)	Standby chisel model	
					A	B	C	D	F	H			J
M6-M12	10-19	5(49)	15	SNC-1019	40	170	7	19	28	48	21	1.2	SCNB-1019
M12-M16	19-24	10(98)	20	SNC-1924	54	191	10	26	40	62	25	2.0	SCNB-1924
M16-M22	24-32	15(147)	60	SNC-2432	64	222	13	29	51	72	33	3.0	SCNB-2432
M22-M27	32-41	20(196)	80	SNC-3241	75	244	17	36	66	88	43	4.4	SCNB-3241
M27-M33	41-50	35(343)	155	SNC4150	94	288	21	45	74	105	54	8.2	SCNB-4150
M33-M39	50-60	50(490)	240	SNC5060	106	318	23	54	90	128	60	11.8	SCNB-5060
M39-M48	60-75	90(882)	492	SNC-6075	156	393	26	72	110	181	80	34.1	SCNB-6075



**Notice:** The maximum operating pressure is 70MPa.

## IV. Operation Method

1. Before operations, ensure to check all parts for normal functioning.
2. During operations, strictly abide by the requirements specified in the main specification and eliminate the over-height and overload to prevent accidents.
3. Connect the splitter, oil hoses, and hand pump together by quick couplings, as shown in Figure (II).

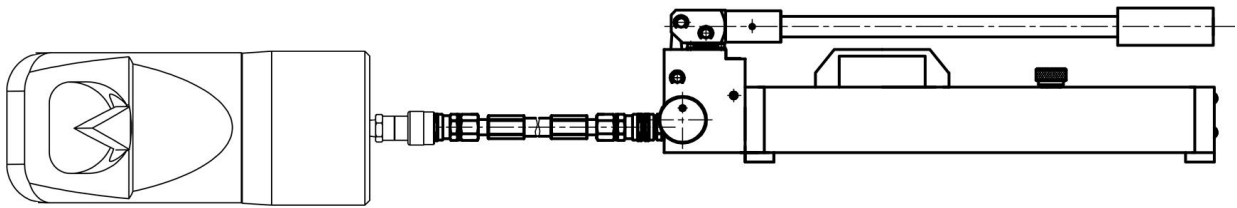


Figure (II)

4. The connection method for quick couplings is shown in figure (III) below:  
Directly connect the male connector with the female connector axially to the end and then tighten the sleeve. To detach the quick coupling, unscrew the sleeve, pull out the female (male) connector axially, and install the dust caps.

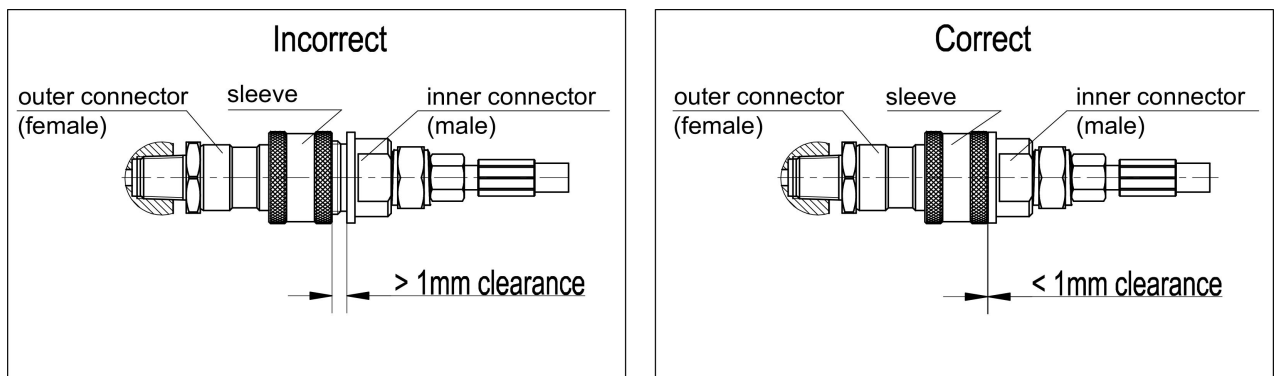


Figure (III)



**Warning:** Ensure the complete engagement while connecting the quick coupling, in order to ensure that the check valve in the connector is opened to prevent oil line blockage. Otherwise, the check valve in the connected

coupling can't open to cause obstructed oil line.



**Notice:** Ensure to apply the force axially during the disassembling and assembling, in order to prevent damaging O-rings or blocking the external hose connectors.



**Notice:** Keep clean the hose connectors against the ingress of impurities into pipeline, otherwise it will lead to pipeline leakage or blockage.



**Notice:** Do not loosen any high pressure oil hose during the running of pump.

5. Attach the head of nut splitter onto the nut to be split and arrange the nut splitter properly and levelly.
6. Tighten the hand wheel clockwise on the unloading valve of the hand pump and lift and depress the handle on the hand pump to extend the cutter onto a nut. When the cutter cuts into the nut by a half, carefully operate the hand pump and avoid applying excessive force to ensure that the cutter rapidly cuts through the nut without damaging the thread of the bolt.
7. When a “flap” sound is heard, it indicates that the nut is already cut through. In such case, stop the operations of the hand pump.
8. Loosen the hand wheel on the unloading valve counter-clockwise to open the unloading valve and retract the cutter to original position, take out the nut splitter, and disassemble the high pressure hoses and install the dust caps.

**Note:**

- 1. Our company reserves the modification right for these operation instructions of this nut splitter without further notice.**
- 2. For more detailed information, please contact our company.**

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