



# WELDED CYLINDERS

## NU SERIES



CROSS NU series cylinders offer precision industrial quality in a standard welded cylinder. The NU features a welded base with a head assembly which permits easy replacement of seals with special tools. O-ring and backup piston seals are standard. For heavy duty applications we offer the NU with a special polyurethane u-cup piston design. (Specify HEAVY DUTY when ordering.)

### FEATURES:

- 2500 psi working pressure (3000 for HEAVY DUTY)
- Close tolerance tubes designed for long cylinder life
- Hardened chrome plated rods resist damage and rust
- Double lipped polyurethane rod seal for less leakage
- Rod wipers clean dirt from rod to give long seal life
- Clevis mounting with 1" pin holes on 2 1/2" thru 4" bore sizes, 1 1/4 on 5" bore
- Ports in line with pins
- 3/8" NPTF ports on 2" bore, 1/2" NPTF on 2 1/2" thru 4" bore, 3/4" NPTF on 5" bore size

\* These cylinders are rated for 2500 psi service but the safe operating pressure is greatly reduced due to rod buckling considerations when cylinders are operated in the push mode. Please contact CROSS Engineering for recommendations.

MODEL NUMBER	BORE DIA. (INCH)	STROKE (INCH)	CL. CENTERS (INCH)	ROD DIA. (INCH)	WEIGHT (LBS.)
208 NU		8	19.50		18
210 NU		10	21.50		20
212 NU		12	23.50		21
216 NU	2	16	27.50	1 1/4	24
220 NU*		20	31.50		27
224 NU*		24	35.50		30
2508 NU		8	19.50		20
2510 NU		10	21.50		22
2512 NU		12	23.50		23
2516 NU	2 1/2	16	27.50	1 1/4	26
2520 NU		20	31.50		29
2524 NU*		24	35.50		32
308 NU		8	19.25		23
310 NU		10	21.25		25
312 NU		12	23.25		27
316 NU	3	16	27.25	1 1/2	31
320 NU		20	31.25		35
324 NU		24	35.25		39
330 NU*		30	41.25		45
336 NU*		36	47.25		51
3508 NU		8	19.25		27
3510 NU		10	21.25		29
3512 NU		12	23.25		31
3516 NU	3 1/2	16	27.25	1 3/4	35
3520 NU		20	31.25		40
3524 NU		24	35.25		44
3530 NU		30	41.25		51
3536 NU*		36	47.25		58
408 NU		8	20.00		39
410 NU		10	22.00		43
412 NU		12	24.00		46
416 NU	4	16	28.00	2	54
418 NU		18	30.00		59
420 NU		20	32.00		61
424 NU		24	36.00		69
430 NU		30	42.00		79
436 NU		36	48.00		89
448 NU*		48	60.00		109
508 NU		8	20.00		68
510 NU		10	22.00		70
512 NU	5	12	24.00	2	74
516 NU		16	28.00		83
520 NU		20	32.00		93



# FILTERS

## SF SERIES



### FEATURES:

- 200 psi pressure rating
- Operating temp: -20 ° to +300 ° F
- Internal bypass pressure: 15 psi for return line applications
- 1A1699 replacement gauge

The CROSS SF series hydraulic filters feature spin-on, throw away type cartridges. SGF models also include the condition indicator. These units provide full flow efficiency up to the cracking pressure of the through-type bypass relief valve. Good filtration with regular element changes is essential to protect hydraulic components from damage due to contamination. Please see HYDRAULIC SAFETY SHEET (Page 18).

MODEL NUMBER	PORT SIZE (NPTF)	FILTRATION (MICRON)	RATED FLOW (GPM)	WEIGHT (LBS.)	REPLACEMENT ELEMENT PART NUMBER
SF1-10	3/4"	10	20	2	1A9021
SF1-25		25			1A9023
SF2-10	1 1/4"	10	60	6	1A9251
SF2-25		25			1A9253
SGF1-10	3/4"	10	20	2	1A9021
SGF1-25		25			1A9023
SGF2-10	1 1/4"	10	60	6	1A9251
SGF2-25		25			1A9253