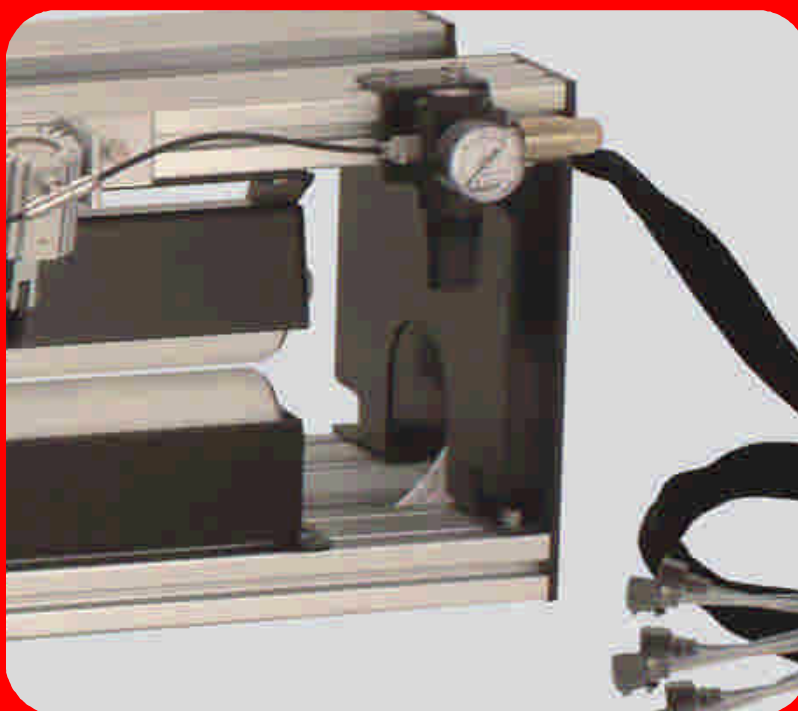
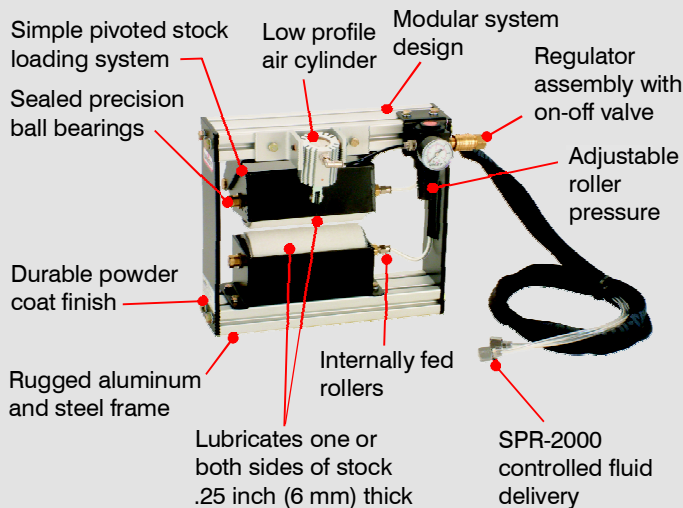


Worldwide 616.949.0853 - USA and Canada 800.253.5462

Uni-Roller Type S



Uni-Roller *Type S*

STANDARD FEATURES


The patented Uni-Roller Type S lubricators are designed to be the ultimate solution in continuous stock lubrication. When combined with an SPR-2000 or SPR-2000-JR programmable fluid controller, the Uni-Roller Type S will apply the correct amount of fluid for your application and do it consistently day after day.

The design of the internally supplied rollers is the key to applying the fluid. As illustrated below, inside each of the rollers there is a dispenser tube with several small holes spaced along its length. Every time fluid is injected into the dispenser tubes from the fluid controller, it is dispensed evenly across the inside of the rollers through these holes.

Best roller system for a broad range of applications

The lubricant is then transferred to the stock through a durable polyester felt or polyurethane foam roller cover. These cover materials apply the lubricant smoothly and evenly across both the top and bottom of the stock. As the system continues to cycle, additional lubricant is injected to replenish the lubricant applied to the stock.

The advantage of the system is its consistent application of the exact amount of lubricant required for any particular operation. This eliminates the mess and waste associated with in-die spray systems and traditional externally lubricated roller systems. By applying the proper amount of lubricant, there is little cleanup required and no recirculating fluid to treat or dispose. This results in not only a cleaner shop, but also significant savings from decreased fluid waste, decreased tool wear, improved part quality and increased production rates. Many customers have reported savings resulting in a return on investment of less than six months!

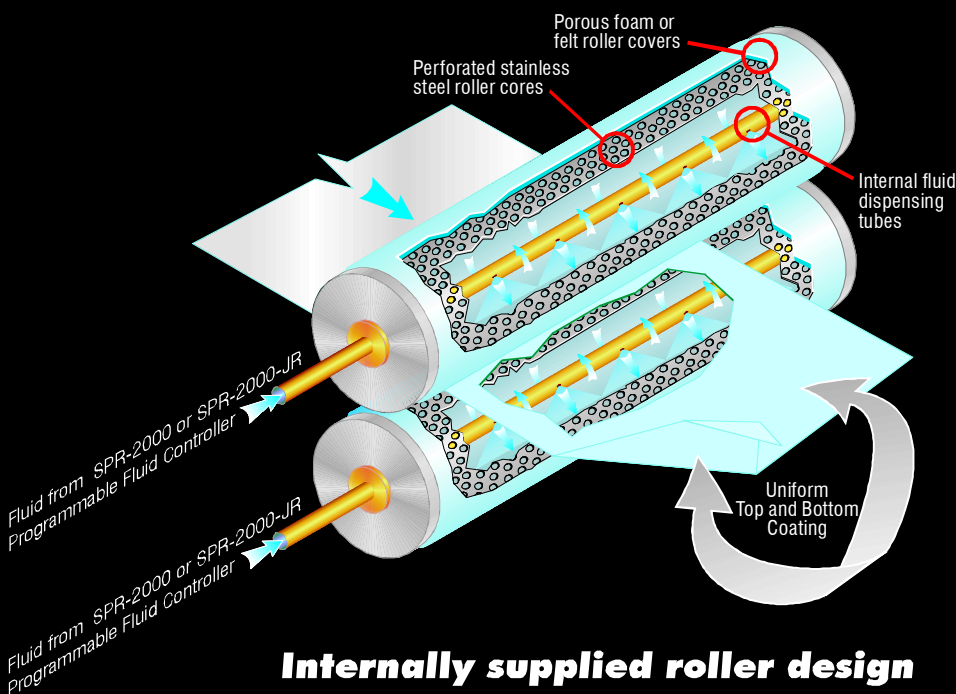
The Uni-Roller Type S systems are modular in design, so there are many similar features between the smallest unit (for up to 3" (76 mm) wide stock) and the largest standard unit (for up to 69" (1752 mm) wide stock). Each of the systems for stock over 18" (457 mm) are constructed with multiple 12" (305 mm) wide roller sets which are staggered and slightly overlapped. This unique design permits the lubricant to be controlled in zones and allows for almost limitless unit size over the standard 69" (1752 mm) width.

Applications:

- Punching
- Stamping
- Roll Forming
- Fine Blanking
- Deep Drawing
- Application of Rust Preventatives and Other Protective Coatings

Benefits:

- Reduced Fluid Consumption
- Improved Part Quality
- Increased Production Rates
- Decreased Part Cleaning
- Cleaner Work Areas
- No Fluid Recycling
- Reduced Fluid Management Concerns



Internally supplied roller design



SRL-3-X-S-X
Spring Latch Roller Pressure
STOCK WIDTH TO 3 INCHES (76mm)



SRL-6-X-S-X
Spring Latch Roller Pressure
STOCK WIDTH TO 6 INCHES (152mm)



SRL-12-X-S-X
Spring Latch Roller Pressure
STOCK WIDTH TO 12 INCHES (305mm)



SRL-3-X-P-X
Pneumatic Roller Pressure
STOCK WIDTH TO 3 INCHES (76mm)



SRL-6-X-P-X
Pneumatic Roller Pressure
STOCK WIDTH TO 6 INCHES (152mm)



SRL-12-X-P-X
Pneumatic Roller Pressure
STOCK WIDTH TO 12 INCHES (305mm)



SRL-18-X-P-X
Pneumatic Roller Pressure
STOCK WIDTH TO 18 INCHES (457mm)



SRL-23-X-P-X
Pneumatic Roller Pressure
STOCK WIDTH TO 23.50 INCHES (597mm)



SRL-35-X-P-X
Pneumatic Roller Pressure
STOCK WIDTH TO 35 INCHES (864mm)



SRL-46-X-P-X
Pneumatic Roller Pressure
STOCK WIDTH TO 46.50 INCHES (1143mm)



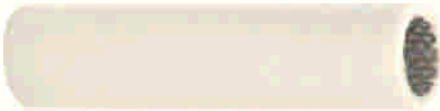
SRL-58-X-P-X
Pneumatic Roller Pressure
STOCK WIDTH TO 58 INCHES (1422mm)



SRL-69-X-P-X
Pneumatic Roller Pressure
STOCK WIDTH TO 69.50 INCHES (1765mm)

STEP
1
Determine Uni-Roller Type S Part Number
SRL - 3 - PF - P - R
Determine the Base System

For Stock Width up to	3"	(76mm)	Use 3
For Stock Width up to	6"	(152mm)	Use 6
For Stock Width up to	12"	(305mm)	Use 12
For Stock Width up to	18"	(457mm)	Use 18
For Stock Width up to	23.5"	(597mm)	Use 23
For Stock Width up to	35"	(889mm)	Use 35
For Stock Width up to	46.5"	(1181mm)	Use 46
For Stock Width up to	58"	(1473mm)	Use 58
For Stock Width up to	69.5"	(1765mm)	Use 69

Determine Roller Cover Material


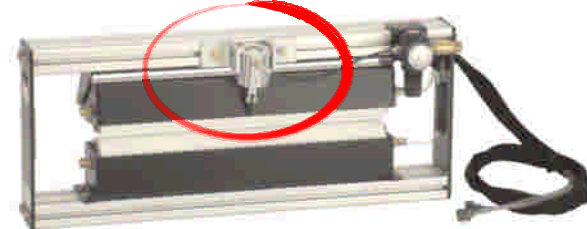
Polyester Felt Cover (Standard)
 Extremely durable and compatible with a broad range of fluids.

Use **PF**



Polyurethane Foam Cover (Optional)
 for use with vanishing oils and with thin stock which is narrow compared to overall roller width. Due to limited fluid compatibility, consult factory prior to selecting this option.

Use **P**

Determine Roller Pressure Method


Pneumatic Cylinder (Standard)
 Preferred method for maintaining pressure on stock and opening the rollers to load a new coil.

Use **P**



Spring Latch (Optional)
 Optional Method for limited space. Available for SRL - 3, 6 and 12 only

Use **S**

Determine Supply Tubing and Regulator Location

(as viewed from the feed side of the Uni-Roller)



Tubing on the left side (Optional)
 Use **L**



Tubing on the right side (Standard)
 Use **R**

STEP 2

Select Options



The **Stock Guide** option facilitates easy loading of the coil into a Uni-Roller system. Not available on Spring Latch units.

ORDER PART NUMBER: **1392**
(Includes 1 upper and 1 lower guide)

Order quantity = Number of roller sets + 1
Example: For RL23 Order (3)
Part Number 1392



The **Double Cylinder** option is required for stock thickness over .25 inches. Double cylinders allow the rollers to float with the stock. Not available on spring latch units.

ORDER PART NUMBER: **1705-KIT-I**
Order quantity = Number of roller sets



The **Proximity Sensor** option is used to provide an input to an SPR-2000 (or SPR-2000-JR) controller based on roller rotation. Select when an intermittent signal from the press is not available.

ORDER PART NUMBER: **PROX SENSOR**
Order one per Uni-Roller system

Ordering Example

Uni-Roller Type S Ordering Example:

To order a Uni-Roller Type S for use with 20" wide stock with polyester felt roller covers, the tubing on the right hand side and the stock guide option installed, the following should be ordered:

Quantity	Part Number	Component Description
1	SRL-23-PF-P-R	23.5" wide Uni-Roller system
3	1392	Stock Guide option

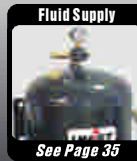
Continue to the appropriate sections to complete system



Choose an appropriate programmable fluid controller

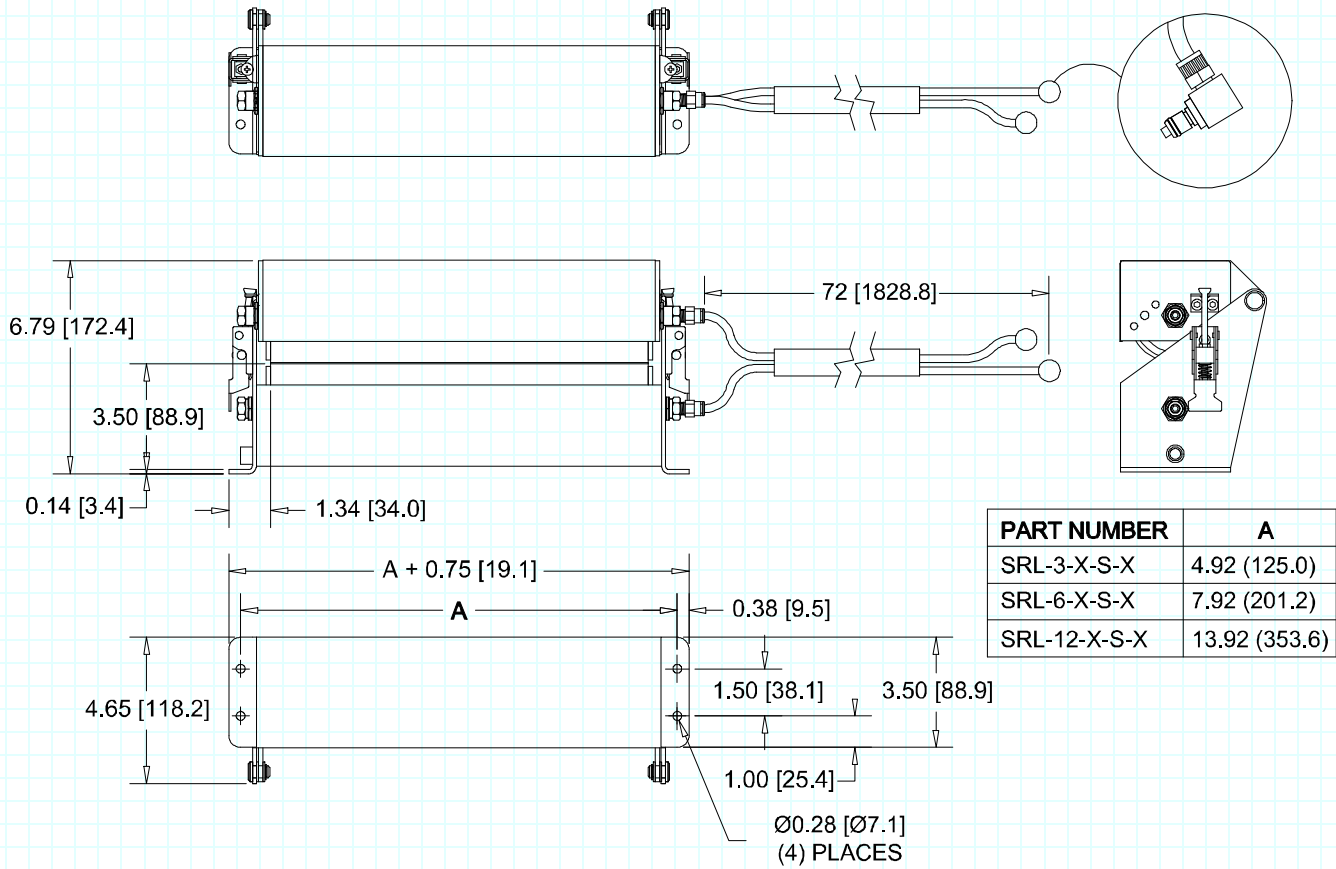


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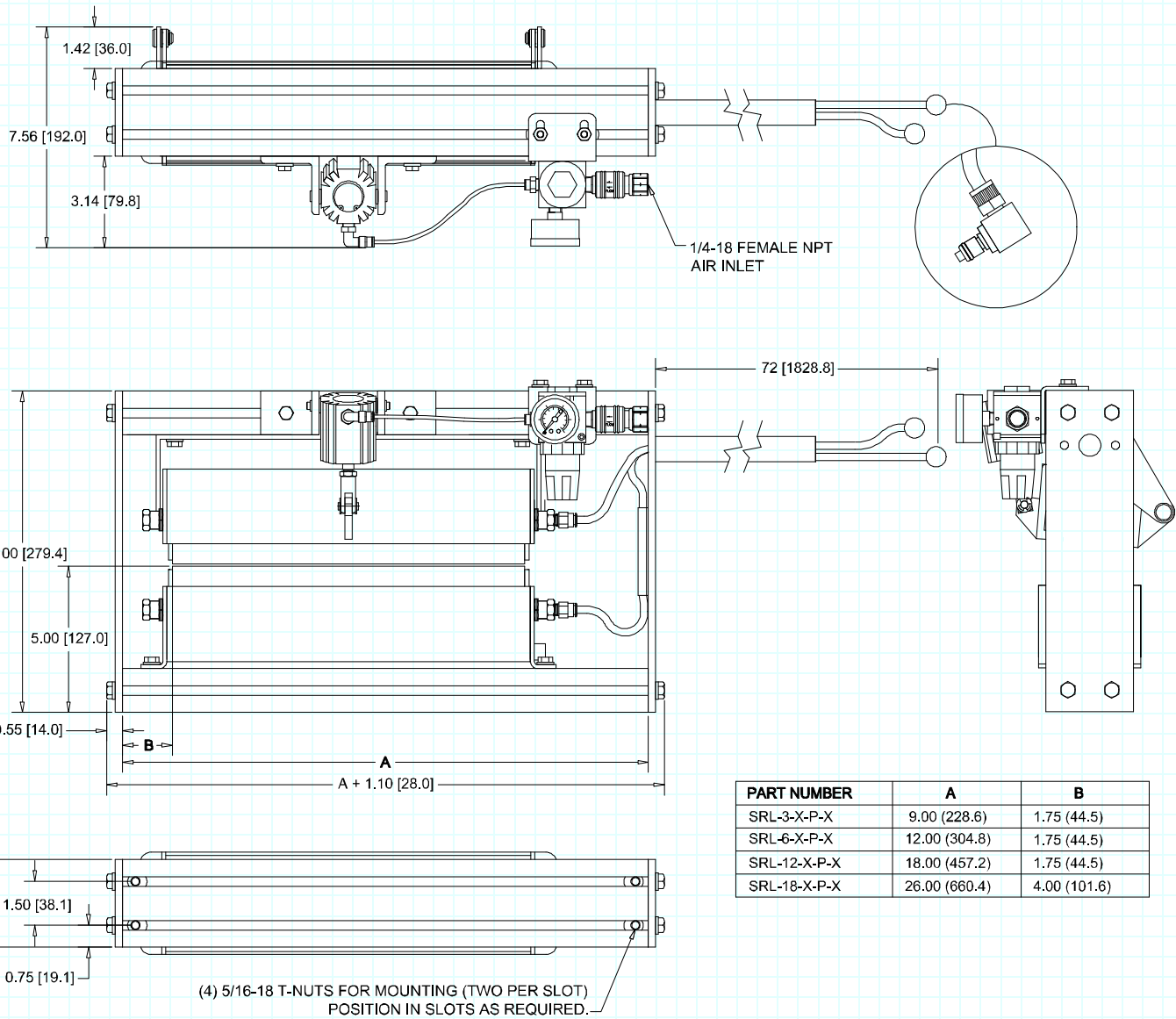


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Choose a fluid supply system

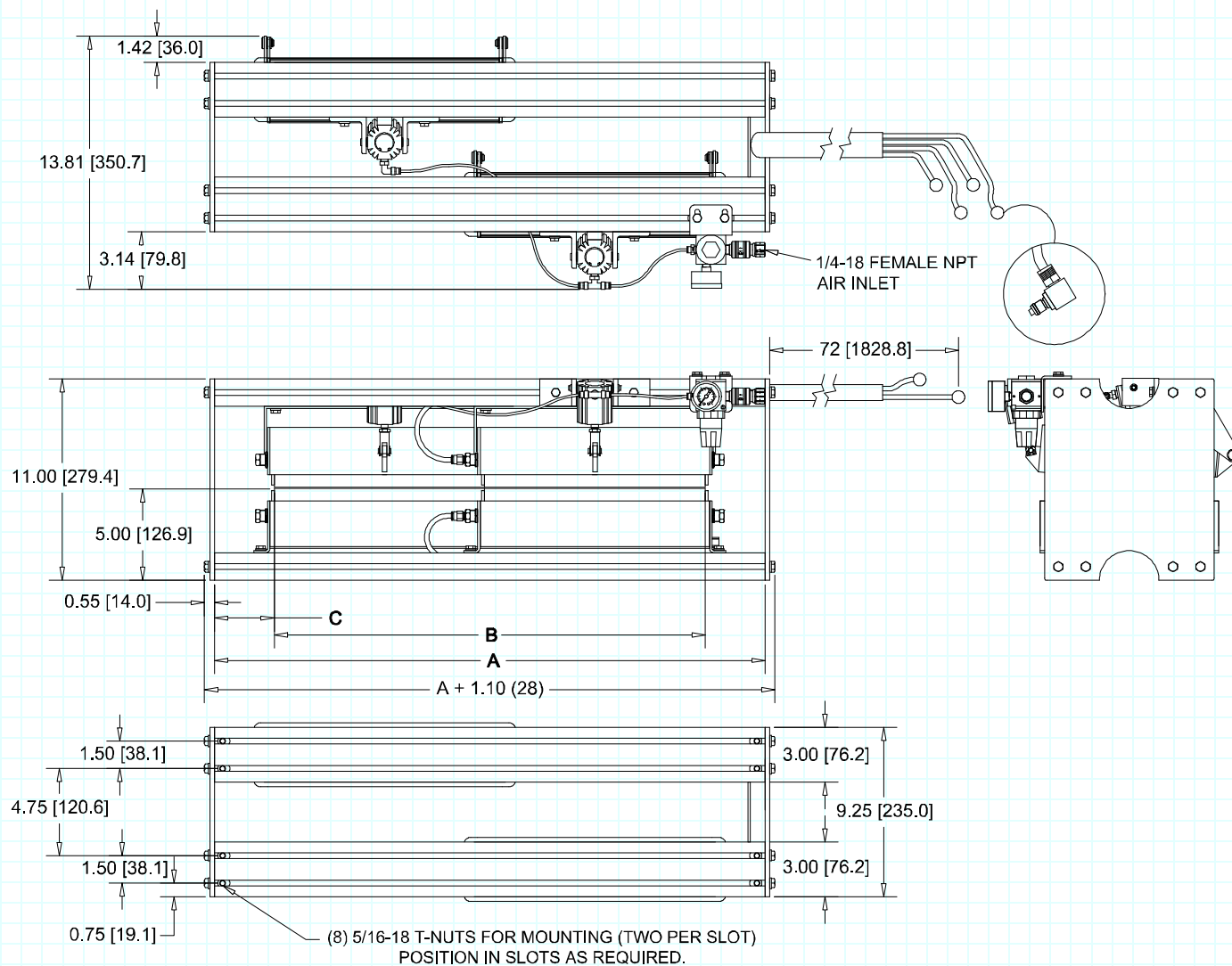


Uni-Roller Type S
 SRL-3/6/12-X-S-X



Uni-Roller Type S
SRL-3/6/12/18-X-P-X

Metalforming Lubrication Systems



PART NUMBER	A	B	C
SRL-23-X-P-X	30.00 (762.0)	23.50 (596.9)	3.25 (82.5)
SRL-35-X-P-X	42.00 (1066.8)	35.00 (889.0)	3.50 (88.9)
SRL-46-X-P-X	54.00 (1371.6)	46.50 (1181.1)	3.75 (95.3)
SRL-58-X-P-X	66.00 (1676.4)	58.00 (1473.2)	4.00 (101.6)
SRL-69-X-P-X	78.00 (1981.2)	69.50 (1765.3)	4.25 (108.0)

Uni-Roller Type S
 SRL-23/35/46/58/69-X-P-X