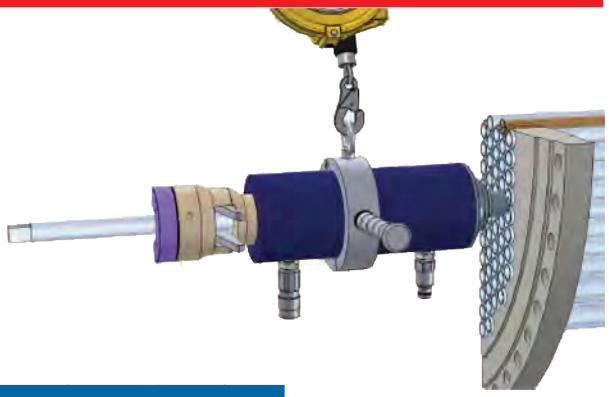
Super Jenny Semi-Continious system

- Super Jenny Semi-Continuous Tube Pulling Ram allows continuous pulling of tubes up to 1-1/4" O.D. (31.75 mm).
- Tubes over 1-1/4" O.D. have a maximum pulling length of 7" (177mm).

To order: Select the desired RAV III Tube Puller Kit, Spear, and Collar The universal design of this system allows the user to easily change to a different size tube with minimal additional cost



Our "Super Jenny" series of hydraulic semi-automatic Tube pullers, allow the user to continuously pull tubes through heat exchangers and condensers without the use of hammers or winches etc. The key to our system is the O.D. gripping jaw that will pull the tube as the operator actuates the ram. To release the jaw, the operator simply inserts the jaw release tool and the tube becomes free to be pulled off by hand, or the ram is returned against the tube sheet to take another stroke. All of our pulling heads work in conjunction with our specially designed high flow electric or pneumatic power packs (see page 9 for details). The three different pulling rams allow for the right tool for the job. Pulling capacities range from 10-60 tons making tube removal of 3/8" – 2" O.D. through the ram a snap. Stubs up to 4" O.D. can be removed using our chair style tooling. Our smallest ram, the "Mini-Jenny", has been specifically designed for chiller and condenser work.

Weighing in at just 18 lbs. (6 kg), this 10-ton capacity ram can pull up to 1" O.D. tubes. With a 3" stroke, this unit is exceptionally quick, and is ideal for tight access applications. Our 30-ton "Super-Jenny" is the workhorse. Available with either a 3" or 6" stroke, this tool is capable of pulling 5/8" – 1-1/4" tubes continuously. It can even pull up to 3" stubs in specific applications. Our 60-ton "Mega-Jenny" has been designed to pull tubes in the toughest applications. As standard, the unit can thru-pull 1-1/2"– 2" tubes. A special adapter is offered as well which will allow the operator to pull smaller diameter tubes with up to 60 tons of pulling force. For example, a tube extraction of 1-1/4" x 10 BWG with a 7" tube sheet was noted to pull at 52 tons of pulling force.

"MINI-JENNY" SPECIFICATIONS (10 ton ram)	Imperial	Metric
TUBE OD RANGE (for standard tooling)	5/8" - 1"	12.7mm - 25.4 mm
PULLING FORCE	10 Tons	
OVERALL LENGTH (w/ nose piece)	15"	380 mm
DIAMETER	3-1/4"	83 mm
WEIGHT	18 lbs.	8 kg
STROKE	3"	76 mm
REQUIRED OIL TYPE	ISO 32 Grade	

"SUPER JENNY" SPECIFICATIONS (30 ton ram)	Imperial	Metric
TUBE OD RANGE (for standard tooling)	5/8" - 1-1/4"	12.7mm - 31.75 mm
PULLING FORCE	30 Tons	
OVERALL LENGTH (w/ nose piece)	17"	430 mm
DIAMETER	5-1/2"	140 mm
WEIGHT	40 lbs	18 kg
STROKE	6"	152 mm
REQUIRED OIL TYPE	ISO 32 Grade	

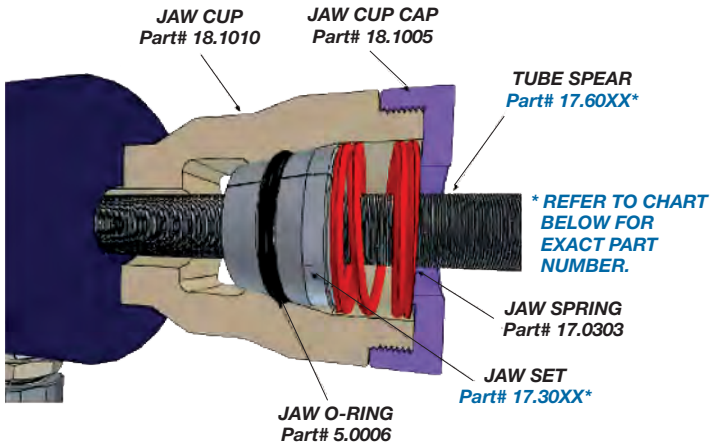
"MEGA-JENNY" SPECIFICATIONS (60 ton ram)	Imperial	Metric
TUBE OD RANGE (for standard tooling)	5/8" - 2"	12.7mm - 50.8 mm
PULLING FORCE	60 Tons	
OVERALL LENGTH (w/ nose piece)	17"	430 mm
DIAMETER	7 1/2"	191 mm
WEIGHT	75 lbs	34 kg
STROKE	6"	152 mm
REQUIRED OIL TYPE	ISO 32 Grade	

PUMP SPECIFICATIONS

PART#	POWER TYPE	HP	MAX PRESSURE		POWER REQUIREMENTS	WEIGHT	
			PSI	Bar		Lbs	Kg
G5773R	Pneumatic	3HP	10,000	700	50 CFM @ 90 PSI	52	23.6
G5173R	Electric	1.5HP	10,000	700	115V/18 amp Single Phase	81	36.7

Super Jenny Consumables

"SUPER JENNY" Tooling is selected based on two variables the tube outside diameter and the tube wall thickness (or Tube ID).



"Super Jenny" Tooling & Consumables Chart			Minimum Spear Diameter		Maximum Spear Diameter		Male Square Size	Nose Collar	Jaw Sets w/ O-Ring
Tube Diameter	*Wall Thickness*	*Spear Part #*	*INCH*	*MM*	*INCH*	*MM*			
1/2" O.D. (12.7 mm)	10-12 bwg	17.6000	0.217	5.5	0.319	8.1	1/2"	17.0500	17.3022
	13-16 bwg	17.6001	0.299	7.6	0.402	10.2			
	18-24 bwg	17.6002	0.398	10.1	0.457	11.6			
5/8" O.D. (51.9 mm)	10-12 bwg	17.6010	0.335	8.5	0.433	11	1/2"	17.6025	17.3032
	13-16 bwg	17.6011	0.433	11	0.535	13.6			
	18-24 bwg	17.6012	0.514	13.05	0.616	15.7			
3/4" O.D. (19.05 mm)	10-12 bwg	17.6020	0.480	12.2	0.583	14.8	5/8"	17.0750	17.3042
	13-16 bwg	17.6021	0.555	14.1	0.657	16.7			
	18-24 bwg	17.6012	0.640	16.25	0.740	18.8			
	13-21 bwg	17.6029	0.555	14.1	0.730	18.5			
7/8" O.D. (22.2 mm)	10-12 bwg	17.6030	0.604	15.35	0.709	18.0	5/8"	17.0875	17.6047
	13-16 bwg	17.6031	0.683	17.35	0.787	20.0			
	18-24 bwg	17.6012	0.768	19.5	0.870	22.1			
1" O.D. (25.4 mm)	10-12 bwg	17.6040	0.728	18.5	0.831	21.1	3/4"	17.1000	17.3052
	13-16 bwg	17.6041	0.807	20.5	0.909	23.1			
	18-24 bwg	17.6042	0.890	22.6	0.992	25.2			
	13-21	17.6043	0.807	20.5	0.972	24.7			
1-1/8" O.D. (28.58 mm)	10-12 bwg	17.6050	0.858	21.8	0.961	24.4	3/4"	17.1125	17.3062
	13-16 bwg	17.6051	0.937	23.8	1.039	26.4			
	18-24 bwg	17.6052	1.016	25.8	1.118	28.4			
1-1/4" O.D. (31.75 mm)	10-12 bwg	17.6060	0.980	24.9	1.083	27.5	1"	17.1250	17.3062
	13-16 bwg	17.6061	1.059	26.9	1.161	29.5			
	18-24 bwg	17.6062	1.140	28.95	1.244	31.6			
1-1/2" O.D. (38.1 mm)	10-12 bwg	17.6070	1.232	31.3	1.335	33.9	1"	17.3212	17.3211
	13-16 bwg	17.6071	1.311	33.3	1.413	35.9			
	18-24 bwg	17.6072	1.390	35.3	1.492	37.9			
1-3/4" O.D. (44.45 mm)	10-12 bwg	17.6080	1.484	37.7	1.587	40.3	1"	17.3217	17.3216
	13-16 bwg	17.6081	1.563	39.7	1.665	42.3			
	18-24 bwg	17.6082	1.642	41.7	1.744	44.3			
2" O.D. (50.8 mm)	10-12 bwg	17.6090	1.736	44.1	1.839	46.7	1"	17.3222	17.3221
	13-16 bwg	17.6091	1.815	46.1	1.917	48.7			
	18-24 bwg	17.6092	1.894	483.41	1.996	50.7			