

ISO 9001:2008

ColumbusJACK/Regent

“The Strength of Experience”

PRODUCT DATA SHEET

UNDER AXLE JACKING SYSTEM

Model 9188-014

Under Axle Jacking System

Under Axle Jacking Systems are designed to store, transport, and protect all necessary equipment to perform aircraft weighing on nose, center and main gear jacking points simultaneously.

The Transportation Cart provides a lockable storage and working area for the sensitive electronic weigh kit (i.e., kit storage box, electronic read-out, load cells, cables, etc.). It also houses the Low and High Pressure Manual Pumps, Air Powered Pumping Unit, *Evac-U-Tract™* Centralized/Waist High Control Console and storage for all Hydraulic Cylinders, Hoses, Handles and Adapters.

The Problem

Once an aircraft has been returned to its normal position with the wheels on the ground, more often than not, the jack stops lowering. This prevents the mechanic from being able to zero-out the load cells and/or the removal of the jacks and load cells from under the jacking point. In an effort to lower the jack rams inside the jack, or to allow the mechanic to free up and/or remove the jacks and load cells from under the jacking point, many mechanical methods have been used. Methods have included 2 x 4's, pump handles, crowbars, etc., without much success – except to damage the load cells.

The Solution

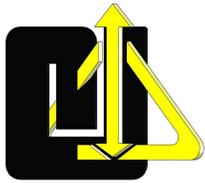
Evac-U-TRACT™ allows the mechanic to fully and positively retract the rams from the operator control console. This is accomplished by redirecting the air flow from the pneudraulic pump to the *Evac-U-TRACT™* orifice on the reservoir. This creates a vacuum within the reservoir, pulling the hydraulic fluid back through the hose and retracting the rams for easy removal of the jacks and load cells.



UNDER AXLE JACKING SYSTEM SPECIFICATIONS								
CART DIMENSIONS			CASTER DIAMETER (Inches/mm)	RESERVOIR CAPACITY (Gal/l)	HOSES 60 Feet/ 18.3 m	Y-HOSE 10 Feet/ 3.1 m	JACKS	
WIDTH (Inches/mm)	LENGTH (Inches/mm)	HEIGHT (Inches/mm)					50 TON	10 TON
30.0	64.0	45.0	10.0	4.5	3	2	5	1
762	1,626	1,143	254	17.0				

SHIPPING INFORMATION			
NET WEIGHT EST. (Lbs/kg)	CRATED WEIGHT EST. (Lbs/kg)	CRATE DIMENSIONS (EST. - L x W x H) (Cu ft/mm)	CU FT CRATED EST. (Cu ft/cu m)
1,600	2,100	84 x 55 x 52	139
726	953	2,134 x 1,397 x 1,321	3.9

Load Cells Not Included



Columbus JACK/Regent

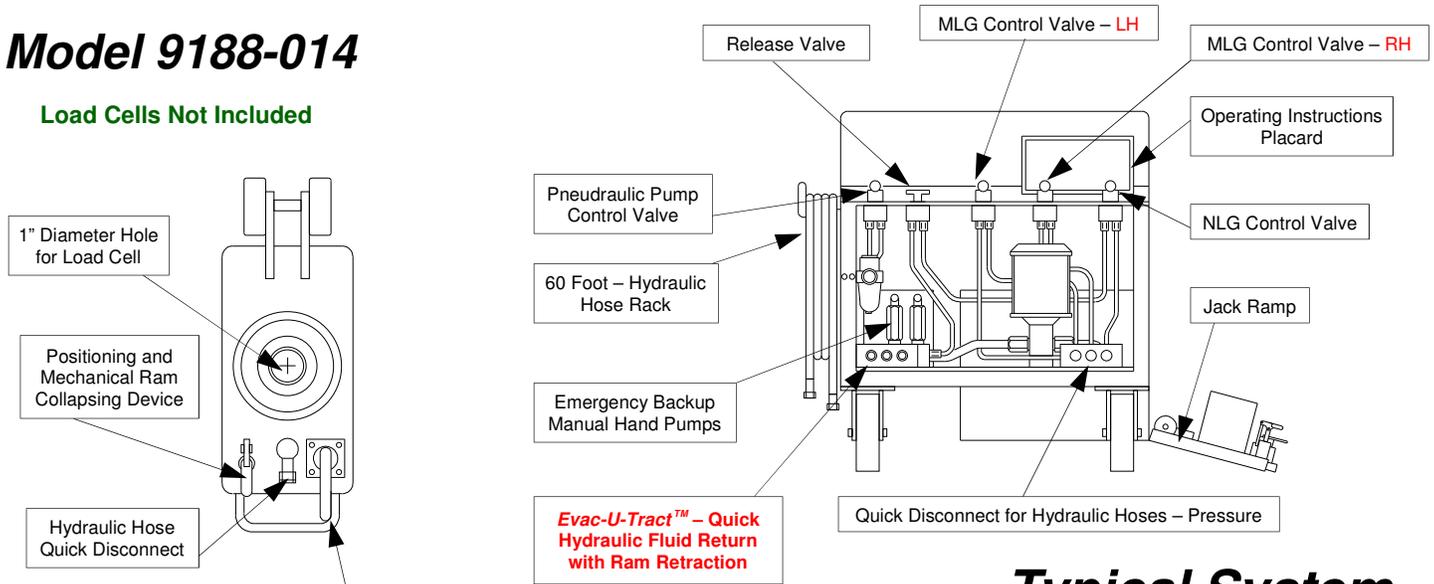
"The Strength of Experience"

ISO 9001:2008

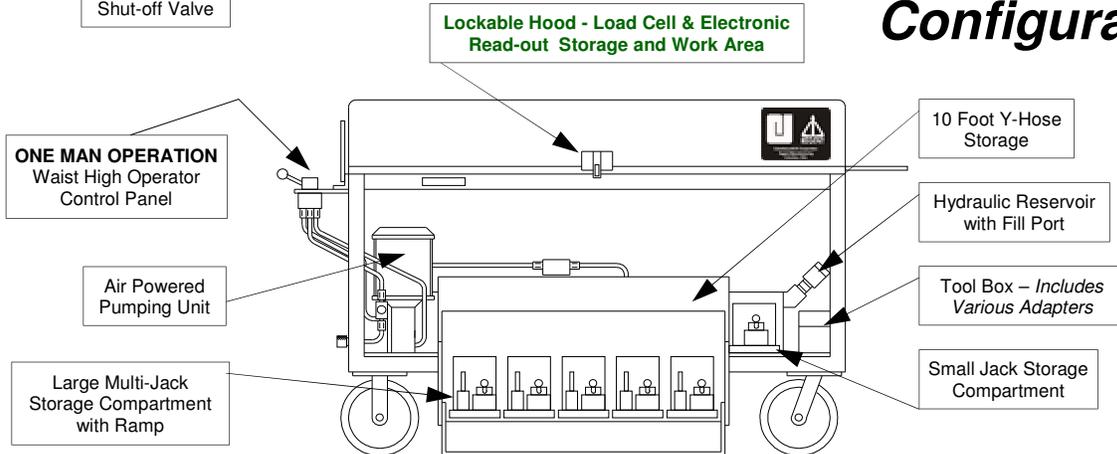
UNDER AXLE JACKING SYSTEM

Model 9188-014

Load Cells Not Included



Typical System Configuration



AXLE JACK SPECIFICATIONS							
VERTICAL CAPACITY (Tons/m tonnes)	MINIMUM CLOSED HEIGHT (Inches/mm)	HYDRAULIC LIFT (Inches/mm)	SCREW EXTENSION (Inches/mm)	MAXIMUM EXTENDED HEIGHT (Inches/mm)	BASE WIDTH (Inches/mm)	BASE LENGTH (Inches/mm)	JACK WEIGHT (Lbs/kg)
10.0	5.50	6.50	N/A	12.00	5.25	18.00	45
9.1	140	165	N/A	305	133	457	20
50.0	7.00	7.75	3.50	18.25	7.00	12.00	195
45.4	178	197	89	464	177.8	305	88