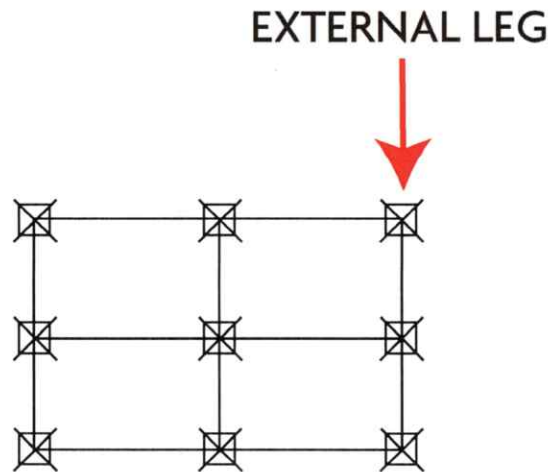


## VERTICALS- EXTERNAL LEG LOADING CHART

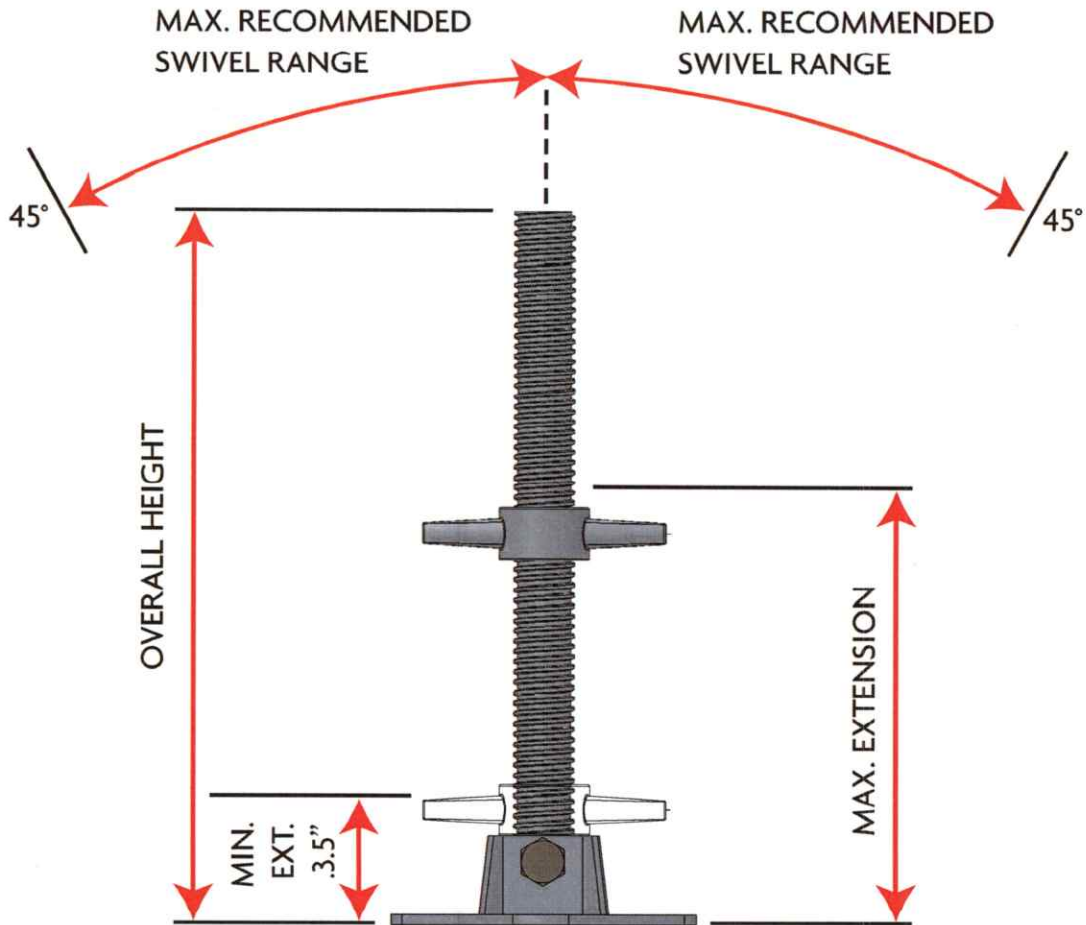


Product Code	External Vertical
	7'-0" Horizontal
RLV	4700 Lbs.

(Safe Working Loads are based on a 4:1 Safety Factor.)

1. Allowable load on each vertical depends on the distance between horizontals and the number of the horizontal members attached at each cup.
  2. Above safe working loads are based on 4:1 Safety Factor.
  3. Allowable safe working load on each Rosette is 3,300 pounds based on 4:1 Safety Factor.
  4. The allowable loads are only valid if each horizontal member is adequately braced to prevent horizontal movement.
- \* Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.

## SWIVEL SYSTEM JACK



**Disclaimer:** Swivel jacks should be anchored to the structural surface or restrained. Anchors, bolts or restraints must hold 4 times the shear force that will be applied on the slope. If the angle will exceed 45° consult a Professional Engineer before erecting your structure. DSS/GSD recommends that you always consult a Professional Engineer before erecting a scaffold structure.

Product Code	Description	Max. Ext.		Overall Hgt.		Weight		Load Rating at Max. Ext.	
		In.	M	In.	M	Lb	Kg	Lb•f	kN
BPSJS	Swivel System Jack 21"	11.57	0.29	20.98	0.53	9.0	4.1	11,240	50
BPSJS69	Swivel System Jack 27"	14.50	0.37	27.34	0.69	10.6	4.8	10,115	45
BPSJC	Swivel Frame (B&C) Jack	17.00	0.43	24.81	0.63	11.5	5.2	14,615	65

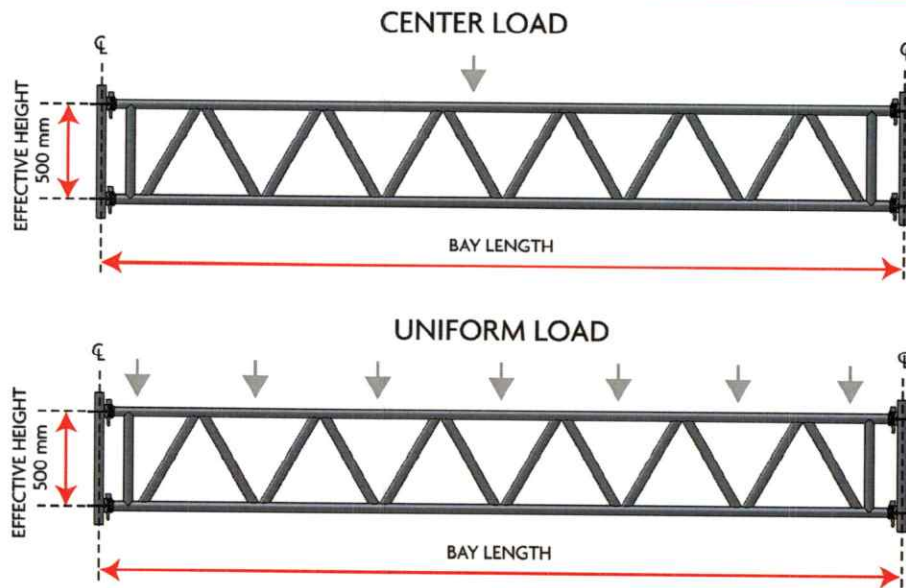
(Safe Working Loads are based on a 4:1 Safety Factor.)



## HORIZONTALS

Product Code	Description	Bay Length		Weight		CPL (Lbs.)	UDL (Lbs./ft)
		Inches	Meters	Lb	Kg		
RLH410	4'-10" Horizontal	58.27	1.48	13.7	6.5	744	336
RLH50	5' Horizontal	59.84	1.52	14	6.3	700	320
RLH52	5'-2" Horizontal	61.81	1.57	14.7	6.7	660	265
RLH60	6' Horizontal	72.05	1.83	16.2	7.3	600	225
RLH69	6'-9" Horizontal	81.50	2.07	18.6	8.4	497	150
RLH70	7' Horizontal	83.86	2.13	18.7	8.5	475	130
RLH80	8' Horizontal	96.06	2.44	21.6	9.8	425	120
RLH86	8'-6" Horizontal	101.87	2.57	23.2	10.5	398	97
RLH90	9' Horizontal	107.39	2.74	25.6	11.6	362	90
RLH100	10' Horizontal	120.08	3.05	26.7	12.1	333	67
RLH101	10'-1" Horizontal	120.87	3.07	28	12.7	250	50

## LATTICE GIRDER

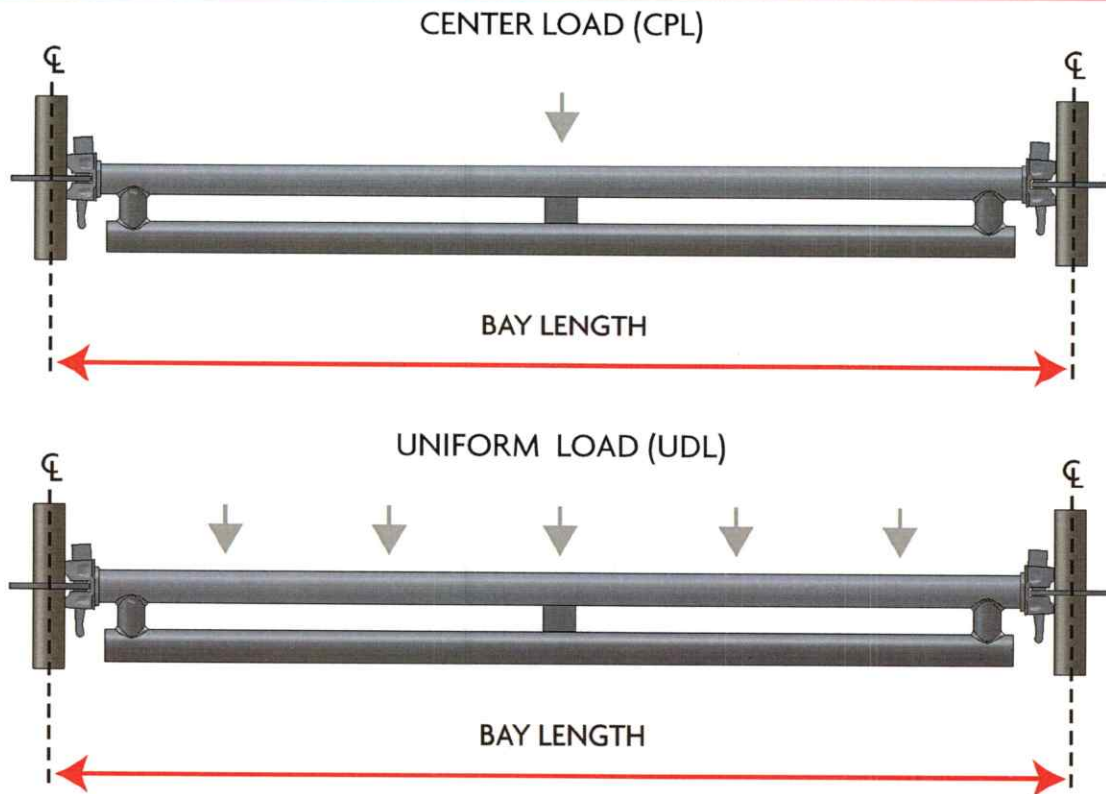


Product Code	Description	Bay Length				CPL (Lbs.)	UDL (Lbs./ft)
		Inches	Meters	Lb	Kg		
RLLG07	7' Lattice Girder	83.86	2.13	50	22.7	2000	425
RLLG086	8'-6" Lattice Girder	101.18	2.57	63	28.4	2000	420
RLLG10	10' Lattice Girder	120.08	3.05	75	34.0	2,000	400
RLLG14	14' Lattice Girder	168.11	4.27	98	44.5	2,000	360
RLLG16	16' Lattice Girder	192.13	4.88	109	49.4	2,000	330
RLLG18	18' Lattice Girder	216.14	5.49	123	55.8	2,000	280
RLLG20	20' Lattice Girder	240.16	6.10	143	64.9	2,000	250
RLLG21	21' Lattice Girder	251.97	6.40	147	66.7	*1,500	240
RLLG253	25'-3" Lattice Girder	303.15	7.70	180	81.6	*1,250	220
RLLG28	28' Lattice Girder	335.83	8.53	200	90.7	**1,000	180

\*The CPL for RLLG21 and RLLG253 has two point loads at 1/3 of the overall length

\*\* The CPL for the RLLG28 has 3 point loads at 1/4 of the overall length

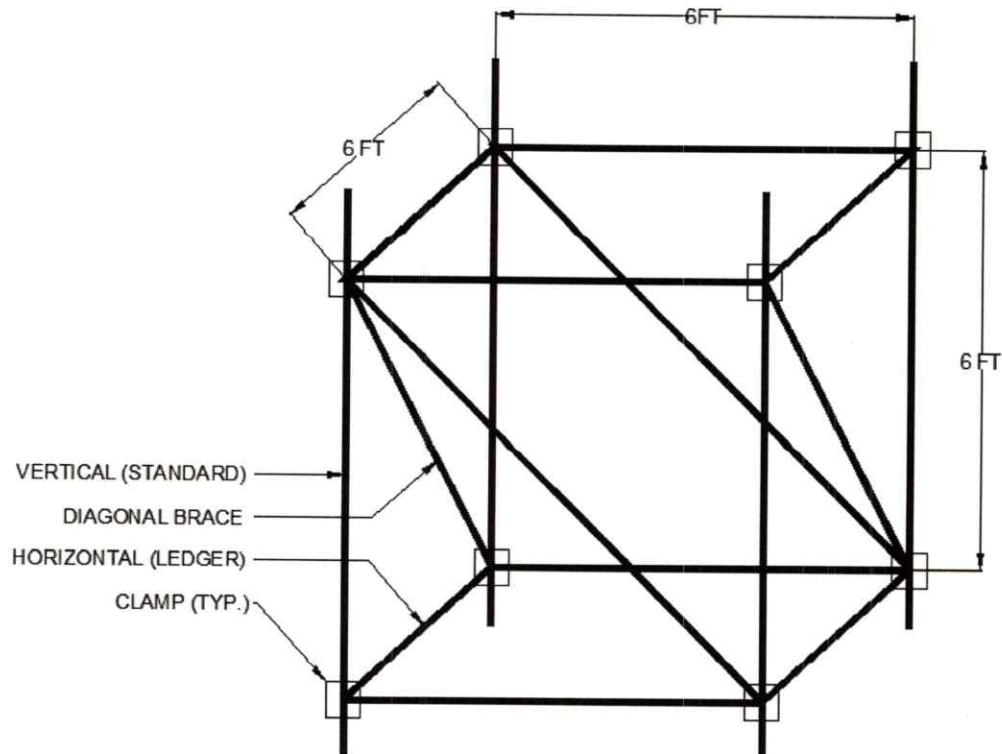
## DOUBLE LEDGERS



Product Code	Description	Bay Length		Weight		CPL (Lbs.)	UDL (Lbs./ft)
		Inches	Meters	Lb	Kg		
RLDL52	5'-2" Double Ledger	61.81	1.57	27.3	12.4	2,100	925
RLDL60	6' Double Ledger	72.00	1.83	31.1	14.1	2,075	875
RLDL69	6'-9" Double Ledger	81.50	2.07	34.4	15.6	2,000	820
RLDL70	7' Double Ledger	83.86	2.13	34.4	15.6	2,000	715
RLDL80	8' Double Ledger	96.06	2.44	40.7	18.5	1,875	615
RLDL86	8'-6" Double Ledger	101.18	2.57	41.0	18.6	1,750	540
RLDL90	9' Double Ledger	107.87	2.74	45.5	20.7	1,625	487
RLDL100	10' Double Ledger	120.08	3.05	51.7	23.5	1,455	365

(Safe Working Loads are based on a 4:1 Safety Factor.)

## ALUMINUM TUBE AND CLAMP SCAFFOLD



### System Components

DSS aluminum tube and clamp scaffold uses:

- Aluminum tube **TUA4840xx** (different lengths available)
- Scaffold clamps as applicable

### System Load Capacity

- Aluminum tube and clamp scaffold is light duty rated at 25 psf on 6 ft x 6 ft bays
- Aluminum ledgers can support 600 lbs. CPL on 6ft spans. Each horizontal member shall be adequately braced to prevent horizontal movement
- Aluminum standards can support 5,000 lbs. per leg at a maximum of 6 ft of unbraced length
- Load capacities described above are based on a 4:1 Safety Factor

### **Note:**

The information provided is for reference only. Seek professional engineering guidance when designing tube and clamp scaffold.