

Load Data

Revision 4.1

LadderLoadData



OV30Ladder (300mmhighx48mmwide)

Span(metres)	3	6	9	12
UDLkg	2460	673	349	217
CPLkg	1230	336	174	108
TPLkg	922	252	131	82
QPLkg	615	168	87	54

OV40Ladder (400mmhighx48mmwide)

Span(metres)	3	6	9	12
UDLkg	2093	894	496	306
CPLkg	1046	447	248	153
TPLkg	785	335	186	115
QPLkg	523	223	124	76

TriangularLoadData



OV30T triangular (300mmhighx270mmwide)

Span(metres)	3	6	9	12	15	Apex Up
UDLkg	2570	979	569	367	183	
CPLkg	1285	489	284	184	92	
TPLkg	964	367	213	138	69	
QPLkg	642	244	142	92	46	
Span(metres)	3	6	9	12	15	Apex Down
UDLkg	2570	979	403	367	245	
CPLkg	1285	489	202	184	122	
TPLkg	964	367	151	138	92	
QPLkg	642	244	100	92	61	

OV40T triangular (400mmhighx353mmwide)

Span(metres)	3	6	9	12	15	18	Apex Up
UDLkg	3598	1370	789	538	367	117	
CPLkg	1799	685	394	269	183	59	
TPLkg	1349	514	296	202	138	44	
QPLkg	890	343	197	135	92	29	
Span(metres)	3	6	9	12	15	18	Apex Down
UDLkg	3598	1370	789	485	330	106	
CPLkg	1799	685	394	242	165	53	
TPLkg	1349	514	296	182	124	39	
QPLkg	890	343	197	121	83	26	

SquareLoadData



OV30 (300mmhighx300mmwide)

Span(metres)		3.0	6.0	9.0	12.0	15.0	18.0
Uniformly distributed	kg	2390	1750	1122	790	572	408
	kN	23.43	17.16	11.00	7.74	5.61	4.00
Central pointload	kg	1195	875	561	395	286	204
	kN	11.71	8.58	5.50	3.87	2.80	2.00
Quarterpointloads ateachpoint	kg	597	437	280	197	143	102
	kN	5.86	4.28	2.75	1.94	1.40	1.00
Thirdpointloads ateachpoint	kg	896	656	420.	296	214	153
	kN	8.78	6.43	4.12	2.90	2.10	1.50

OV40(400mmhighx400mmwide)

span(metres)		3.0	6.0	9.0	12.0	15.0	18.0
Uniformly distributed	kg	3852	2832	1508	1243	947	714
	kN	37.76	27.76	14.78	12.19	9.28	7.00
Central pointload	kg	1926	1416	754	622	474	357
	kN	18.88	13.88	7.39	6.09	4.64	3.50
Quarterpointloads ateachpoint	kg	963	708	377	311	237	179
	kN	9.44	6.94	3.70	3.05	2.32	1.75
Thirdpointloads ateachpoint	kg	1445	1062	566	467	356	268
	kN	14.16	10.41	5.54	4.57	3.49	2.63

