

# PURLINS-ULTIMATE LOAD TABLES

## SINGLE SPAN PURLINS

Span		14012	14016	14018	14020	17012	17016	17018	17020	17025	20012	20016	20018	20020	20025	23016	23018	23020	23025	26016	26018	26020	26025	Span
4.50	Gravity kN (ult)	10.757	13.136	16.203	17.907	13.699	17.502	20.617	22.794	28.138	17.034	21.413	25.236	28.946	35.772	27.290	30.025	34.472	42.635	32.399	36.307	40.183	50.366	4.50
	Uplift kN (Ult)	9.358	11.428	14.096	15.579	11.918	15.227	17.937	19.831	24.481	14.819	18.629	21.955	25.183	31.122	21.832	24.020	27.578	34.109	25.919	29.045	32.146	40.293	
	Defln kN (Serv)	4.929	6.245	7.262	8.024	7.750	10.165	11.453	12.741	15.631	11.455	14.932	16.828	18.72	23.134	21.088	23.491	26.136	32.330	28.304	31.717	35.102	42.2	
5.00	Gravity kN (ult)	9.681	11.822	14.583	16.117	12.329	15.752	18.555	20.515	25.324	15.331	19.272	22.712	26.051	32.194	24.561	27.022	31.025	38.372	29.160	32.676	36.165	45.329	5.00
	Uplift kN (Ult)	8.422	10.285	12.686	14.020	10.726	13.704	16.143	17.848	22.032	13.337	16.766	19.760	22.665	28.010	19.649	21.618	24.820	30.698	23.327	26.140	28.931	36.264	
	Defln kN (Serv)	3.992	5.058	5.882	6.499	6.278	8.234	9.277	10.320	12.661	9.279	12.095	13.631	15.163	18.738	15.982	19.028	21.17	26.187	22.918	25.681	28.422	34.182	
5.50	Gravity kN (ult)	8.801	10.748	13.257	14.651	11.208	14.32	16.868	18.650	23.022	13.937	17.52	20.648	23.683	29.268	22.328	24.566	28.204	34.883	26.509	29.705	32.877	41.209	5.50
	Uplift kN (Ult)	7.656	9.35	11.533	12.746	9.751	12.458	14.676	16.226	20.030	12.125	15.242	17.963	20.604	25.463	17.863	19.653	22.564	27.907	21.206	23.764	26.301	32.967	
	Defln kN (Serv)	3.300	4.181	4.861	5.371	5.188	6.805	7.667	8.529	10.464	7.669	9.996	11.265	12.532	15.487	13.208	15.725	17.496	21.642	18.947	21.232	23.498	28.25	
6.00	Gravity kN (ult)	8.068	9.852	12.152	13.430	10.275	13.127	15.463	17.096	21.104	12.776	16.06	18.927	21.710	26.830	20.468	22.519	25.854	31.976	24.299	27.230	30.137	37.775	6.00
	Uplift kN (Ult)	7.019	8.571	10.572	11.684	8.939	11.42	13.453	14.874	18.361	11.115	13.972	16.466	18.887	23.341	16.374	18.015	20.684	25.582	19.440	21.784	24.110	30.22	
	Defln kN (Serv)	2.773	3.513	4.085	4.514	4.360	5.718	6.442	7.166	8.792	6.443	8.399	9.466	10.53	13.013	11.099	13.214	14.702	18.186	15.921	17.841	19.745	23.738	
6.50	Gravity kN (ult)	-	-	-	-	9.484	12.117	14.273	15.780	19.480	11.792	14.824	17.471	20.040	-	18.894	20.787	23.865	29.516	22.430	25.135	27.819	34.669	6.50
	Uplift kN (Ult)	-	-	-	-	8.251	10.542	12.416	13.727	16.945	10.259	12.897	15.200	17.434	21.545	15.114	16.629	19.092	23.613	17.944	20.108	22.255	27.895	
	Defln kN (Serv)	-	-	-	-	3.715	4.872	5.489	6.106	7.491	5.491	7.157	8.065	8.972	11.088	9.457	11.259	12.527	15.496	13.566	15.202	16.824	20.226	
7.00	Gravity kN (ult)	-	-	-	-	8.806	11.251	13.254	14.654	18.089	10.951	13.766	16.223	18.608	22.996	17.544	19.302	22.161	27.409	20.828	23.340	25.832	32.378	7.00
	Uplift kN (Ult)	-	-	-	-	7.662	9.789	11.531	12.749	15.738	9.527	11.976	14.114	16.189	20.007	14.035	15.441	17.729	21.927	16.662	18.671	20.665	25.903	
	Defln kN (Serv)	-	-	-	-	3.203	4.201	4.733	5.265	6.459	4.734	6.171	6.954	7.736	9.560	8.154	9.708	10.801	13.361	11.697	13.107	14.506	17.44	
7.50	Gravity kN (ult)	-	-	-	-	-	-	-	-	-	10.221	12.848	15.142	17.368	21.464	16.374	18.015	20.683	25.581	19.440	21.784	24.110	30.220	7.50
	Uplift kN (Ult)	-	-	-	-	-	-	-	-	-	8.891	11.177	13.173	15.110	18.673	13.099	14.412	16.547	20.465	15.552	17.427	19.288	24.176	
	Defln kN (Serv)	-	-	-	-	-	-	-	-	-	4.124	5.376	6.058	6.739	8.328	7.103	8.457	9.409	11.639	10.190	11.418	12.637	27.447	
8.00	Gravity kN (ult)	-	-	-	-	-	-	-	-	-	9.582	12.045	14.195	16.282	20.122	15.351	16.889	19.391	23.983	18.225	20.423	22.603	28.331	8.00
	Uplift kN (Ult)	-	-	-	-	-	-	-	-	-	8.336	10.479	12.350	14.165	17.505	12.280	13.511	15.513	19.187	14.579	16.338	18.082	22.665	
	Defln kN (Serv)	-	-	-	-	-	-	-	-	-	3.625	4.725	5.324	5.923	7.320	6.243	7.433	8.27	10.230	8.955	10.035	11.106	13.352	
8.50	Gravity kN (ult)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.448	15.896	18.250	22.572	17.152	19.221	21.273	26.664	8.50
	Uplift kN (Ult)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.558	12.716	14.600	18.057	13.722	15.376	17.018	21.332	
	Defln kN (Serv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.530	6.584	7.325	9.061	7.933	8.889	9.838	11.828	
9.00	Gravity kN (ult)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.646	15.013	17.236	21.318	16.200	18.154	20.092	25.183	9.00
	Uplift kN (Ult)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.916	12.010	13.789	17.054	12.960	14.522	16.073	20.147	
	Defln kN (Serv)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.933	5.873	6.534	8.082	7.076	7.930	8.776	10.55	
		14012	14016	14018	14020	17012	17016	17018	17020	17025	20012	20016	20018	20020	20025	23016	23018	23020	23025	26016	26018	26020	26024	