

**SIZES AND ULTIMATE LOADS FOR UNSTAYED POLES OF REDWOOD (PINUS SYLVESTRIS)**

Nominal length	Assumed depth of planting*	LIGHT POLES					MEDIUM POLES					STOUT POLES				
		Diameter at top		Minimum diameter at 1.5 m from butt end	Ultimate load at 0.6 from top of pole	Load per millimetre of deflection at point of application of load	Diameter at top		Minimum diameter at 1.5 m from butt end	Ultimate load at 0.6 from top of pole	Load per millimetre of deflection at point of application of load	Diameter at top		Minimum diameter at 1.5 m from butt end	Ultimate load at 0.6 from top of pole	Load per millimetre of deflection at point of application of load
		min.	max.				min.	max.				min.	max.			
m	m	mm	mm	mm	kN	N	mm	mm	mm	kN	N	mm	mm	mm	kN	N
<b>6</b>	<b>1,2</b>	125	150	150	4,39	9,3										
<b>7</b>	<b>1,2</b>	125	150	160	4,31	6	140	170	200	8,53	13,53					
<b>8</b>	<b>1,5</b>	125	150	170	4,4	4,8	145	180	210	8,29	10,5					
<b>8,5</b>	<b>1,5</b>	125	150	180	4,81	4,5	150	180	215	8,2	9,1	190	240	265	15,35	21,5
<b>9</b>	<b>1,5</b>	125	150	180	4,46	3,6	150	180	220	8,15	7,8	190	240	275	15,91	19,2
<b>9,5</b>	<b>1,5</b>	125	160	185	4,52	3,1	150	180	225	8,13	6,8	190	245	280	15,66	16,4
<b>10</b>	<b>1,5</b>	125	160	185	4,23	2,6	150	185	230	8,13	5,9	190	245	285	15,47	14,3
<b>10,5</b>	<b>1,5</b>	125	160	190	4,31	2,3	150	190	235	8,16	5,3	190	250	290	15,33	12,5
<b>11</b>	<b>1,8</b>	125	160	195	4,4	2,3	150	190	240	8,18	5	190	250	295	15,24	11,8
<b>11,5</b>	<b>1,8</b>	125	165	200	4,48	2,1	150	190	245	8,21	4,5	190	250	300	15,15	10,5
<b>12</b>	<b>1,8</b>	125	165	200	4,26	1,7	150	190	250	8,23	4,1	190	250	305	15,08	9,4
<b>13</b>	<b>1,8</b>	130	170	210	4,46	1,6	160	200	260	8,46	3,7	195	255	320	15,73	8,3
<b>14</b>	<b>1,8</b>						160	205	275	8,98	3,3	195	255	335	16,24	7,3