



Moment $\text{[redacted]} = F L/4$

Resisting moment = $(\phi)(m_p)(\text{width of panel})$

$m_p = \frac{N \cdot mm}{mm}$ (specific bending capacity)

$m_p = 930 \frac{N \cdot mm}{mm}$

Δ

Table 9.3A
Specified strength, stiffness, and rigidity capacities for
standard constructions of regular grades of
unsanded Douglas fir plywood (DFP)

Nominal thickness, mm	No. of plies	Bending, m_p , N•mm/mm		Axial tension, t_p , N/mm		Axial compression, p_p , N/mm		Shear through-thickness, v_p , N/mm	Planar shear			
									Bending, v_{psb} , N/mm		Shear in-plane, v_{pf} , MPa	
		Orientation of applied force relative to face grain										
		0°	90°	0°	90°	0°	90°	0° and 90°	0°	90°	0°	90°
7.5	3	180	38	97	23	130	40	20	3.7	1.2	0.72	0.72
9.5	3*	270	51	97	27	130	46	24	3.9	1.3	0.55	0.72
12.5	3	520	110	170	38	210	66	34	6.3	1.9	0.72	0.72
	4*	420	130	97	55	130	96	30	5.5	2.8	0.55	0.72
	5	560	200	130	71	170	79	30	7.3	3.7	0.72	0.72
15.5	4	610	230	110	72	140	130	37	6.6	3.6	0.55	0.72
	5*	770	280	130	71	170	79	36	9.4	4.9	0.72	0.72
	6	730	310	130	71	170	79	36	6.9	4.1	0.55	0.55
18.5	5	980	460	150	100	190	120	43	9.0	5.0	0.55	0.55
	6*	930	430	130	71	170	79	43	8.5	5.1	0.55	0.55
	7	1100	450	160	110	210	120	43	9.7	7.1	0.72	0.72
20.5	5	1200	740	180	130	230	150	47	10.0	5.7	0.55	0.55
	6	1100	550	130	71	170	79	47	9.5	5.8	0.55	0.55
	7	1200	560	160	110	210	120	47	11.0	8.5	0.72	0.72
22.5	8	1100	560	160	110	210	120	47	8.3	6.4	0.55	0.55
	6	1500	790	230	110	300	130	52	15.0	7.0	0.72	0.55
	7*	1300	640	170	110	210	130	51	12.0	9.8	0.72	0.72
25.5	8	1400	580	160	110	210	120	51	9.3	7.2	0.55	0.55
	9	1500	730	200	140	250	160	51	12.0	8.8	0.72	0.72
	7	1700	950	210	160	270	180	57	13.0	11.0	0.72	0.72
28.5	8*	1600	730	160	110	210	120	57	11.0	8.8	0.55	0.55
	9	1700	860	200	140	250	160	57	14.0	10.0	0.72	0.72
	10	1700	800	200	140	250	160	57	11.0	7.8	0.55	0.55
31.5	8	2000	1100	190	140	250	160	63	11.0	10.0	0.55	0.55
	9*	2000	1000	200	140	250	160	63	16.0	12.0	0.72	0.72
	10	2000	940	200	140	250	160	63	12.0	9.2	0.55	0.55
31.5	11	2100	1200	230	180	300	200	63	15.0	12.0	0.72	0.72
	8	2700	1600	240	190	320	210	71	13.0	11.0	0.55	0.55
	9	2400	1500	230	190	300	210	69	17.0	13.0	0.72	0.72
	10*	2200	1100	200	140	250	160	69	13.0	10.0	0.55	0.55
31.5	11	2400	1400	230	180	300	200	69	16.0	14.0	0.72	0.72
	12	2400	1200	230	180	300	200	69	13.0	10.0	0.55	0.55

(Continued)