



Cross sectional data - Areco TP131 - 350 MPa

Table 1

Sheet thickness, nominal	t_{nom}	mm	0,70	0,80	0,90	1,00	1,20	1,50
Sheet thickness, in calculation	t_{ber}	mm	0,665	0,760	0,866	0,955	1,144	1,42
Yield point	f_{ty}	N/mm ²	350	350	350	350	350	350
Mass	m	kg/m	8,40	9,60	10,80	12,00	14,40	18,00
Bearing narrow resistance $l_s=100$ mm	R_d	kN/m	22,20	28,70	36,80	44,20	61,90	91,90
Narrow flange under pressure	M_d	kNm/m	11,93	14,04	16,42	18,85	25,08	34,27
2:nd moment of area	I_{def}	mm ⁴ /mm	2478	2832	3227	3558	4262	5291
Bearing wide resistance $l_s=100$ mm	R_d	kN/m	20,60	27,20	36,10	44,20	61,90	91,90
Wide flange under pressure	M_d	kNm/m	9,68	11,85	14,38	16,58	21,39	26,88
2:nd moment of area	I_{def}	mm ⁴ /mm	2456	2832	3227	3558	4262	5291

Cross sectional data - Areco TP131 - 420 MPa

Table 2

Sheet thickness, nominal	t_{nom}	mm	0,70	0,80	0,90	1,00	1,20	1,50
Sheet thickness, in calculation	t_{ber}	mm	0,665	0,760	0,866	0,955	1,144	1,42
Yield point	f_{ty}	N/mm ²	420	420	420	420	420	420
Mass	m	kg/m	8,40	9,60	10,80	12,00	14,40	18,00
Bearing narrow resistance $l_s=100$ mm	R_d	kN/m	24,30	31,50	40,30	48,50	67,80	100,70
Narrow flange under pressure	M_d	kNm/m	13,75	16,32	19,16	21,56	27,85	38,9
2:nd moment of area	I_{def}	mm ⁴ /mm	2478	2832	3227	3558	4262	5291
Bearing wide resistance $l_s=100$ mm	R_d	kN/m	22,60	29,80	39,60	48,50	67,80	100,70
Wide flange under pressure	M_d	kNm/m	10,75	13,24	16,15	18,70	24,33	32,07
2:nd moment of area	I_{def}	mm ⁴ /mm	2419	2827	3227	3558	4262	5291