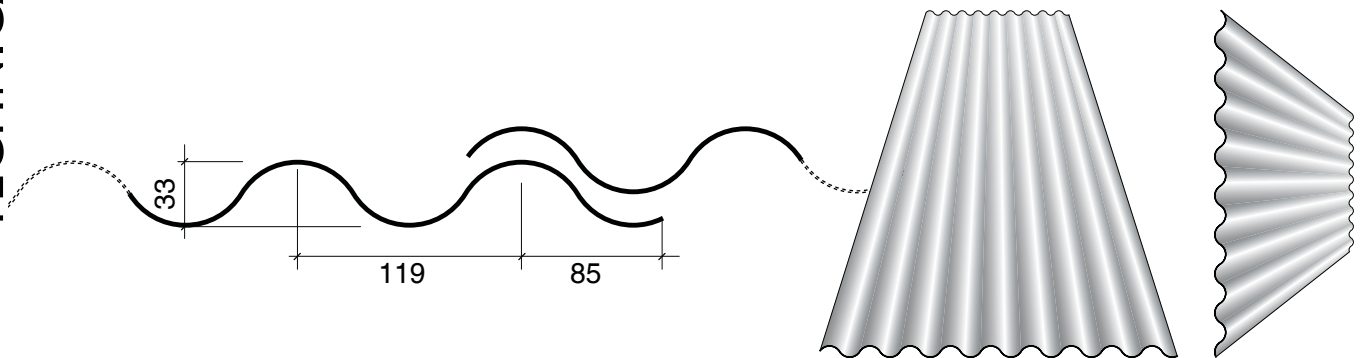
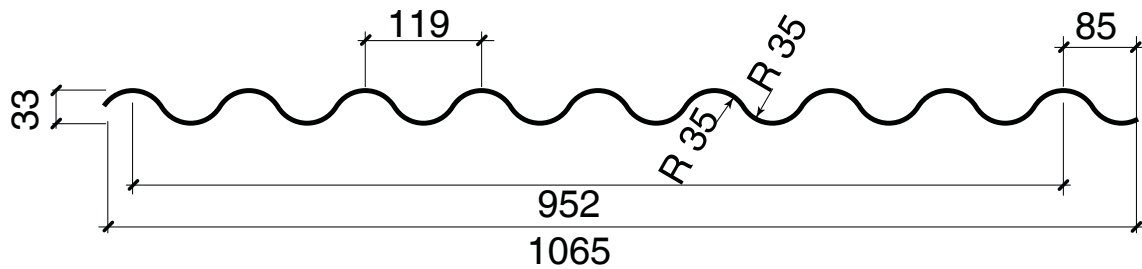


Ond-All33

Ond-all 33 profile

 Made in: **Aluminium**

TECHNICAL DATA SHEET



TECHNICAL SPECIFICATIONS OF THE OND-ALL 33 ALUMINIUM PROFILE

s	p	J	W	EJ	M max	Symbols s = sheet thickness p = unit weight J = moment of inertia W = modulus of bending resistance EJ = bending stiffness M max = permitted bending moment (σ perm. = 6,5 kN/cm ²) i = centre distance between supports σ perm. = unit safety load f perm. = maximum permitted straining
[mm]	[kg/m ²]	[cm ⁴ /m]	[cm ³ /m]	[kN cm ² /m]	[kN cm/m]	
0,6	1,92	7,570	4,59	52.233	29,84	
0,7	2,24	8,837	5,353	60.975	34,80	
0,8	2,56	10,100	6,118	69.690	39,77	
1,0	3,20	12,624	7,658	87.105	49,77	

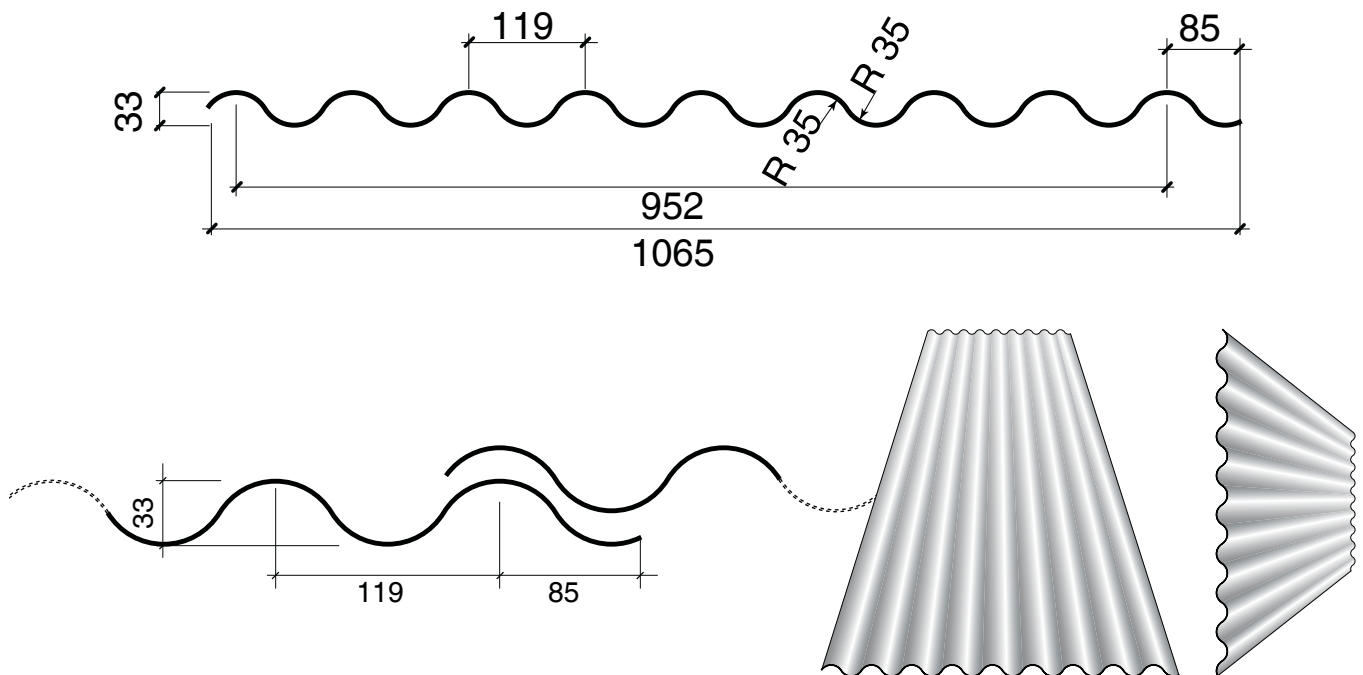
PERMITTED UNIFORM LOAD [kg/m²] ON 4 SUPPORTS*

i [m]	0,80	1,00	1,20	1,40	1,60	1,80
s [mm]						
0,6	400	256	178	130	100	79
0,7	466	298	207	153	117	92
0,8	533	341	237	174	133	105
1,0	667	427	296	218	167	130

*(it is calculated in the hypothesis of f perm. = $i/250$)

The contents of this calculation table are to be considered approximate and purely indicative. The structural calculation is the task of the designer and/or user in each single case that also has to determine the application design specifications for the roofing in question

Ond-all 33 profile

 Made in: **Steel**


TECHNICAL DATA SHEET

TECHNICAL SPECIFICATIONS OF THE OND-ALL 33 STEEL PROFILE

s [mm]	p [kg/m ²]	J [cm ⁴ /m]	W [cm ³ /m]	EJ [kN cm ² /m]	M max [kN cm/m]	Symbols s = sheet thickness p = unit weight J = moment of inertia W = modulus of bending resistance EJ = bending stiffness M max = permitted bending moment ($\sigma_{perm.} = 13,73 \text{ kN/cm}^2$) i = centre distance between supports $\sigma_{perm.}$ = unit safety load f perm. = maximum permitted straining
0,6	5,70	7,570	4,59	158.970	63,06	
0,7	6,65	8,837	5,353	185.577	73,50	
0,8	7,60	10,100	6,118	212.100	84,00	
1,0	9,50	12,624	7,658	265.104	105,14	

PERMITTED UNIFORM LOAD [kg/m²] ON 4 SUPPORTS*

i [m] s [mm]	0,80	1,00	1,20	1,40	1,60	1,80
0,6	861	551	383	281	215	170
0,7	1006	642	446	328	251	198
0,8	1150	734	510	375	287	226
1,0	1439	919	638	469	359	283

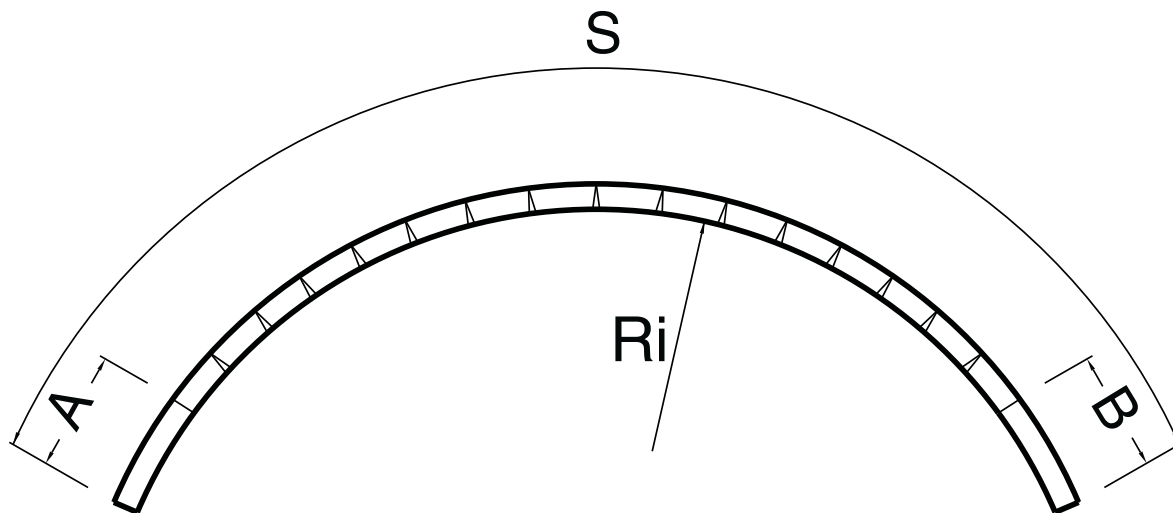
*(it is calculated in the hypothesis of $f_{perm.} = i/250$)

The contents of this calculation table are to be considered approximate and purely indicative. The structural calculation is the task of the designer and/or user in each single case that also has to determine the application design specifications for the roofing in question

Ond-all 33 profile

SHEET TOOLING

UNIFORM CURVATURE BY NOTCHING



UNIFORM CURVATURE BY NOTCHING

Ri	S max sheet length	
	aluminium	other materials
up to 2 m	max 3 m	max 3 m
from 2 to 3 m	max 4 m	max 4 m
from 3 to 4 m	max 5 m	max 5 m
from 4 to 6 m	max 6 m	max 6 m
from 6 to 7 m	max 8 m	max 8 m*

A = min 150 mm

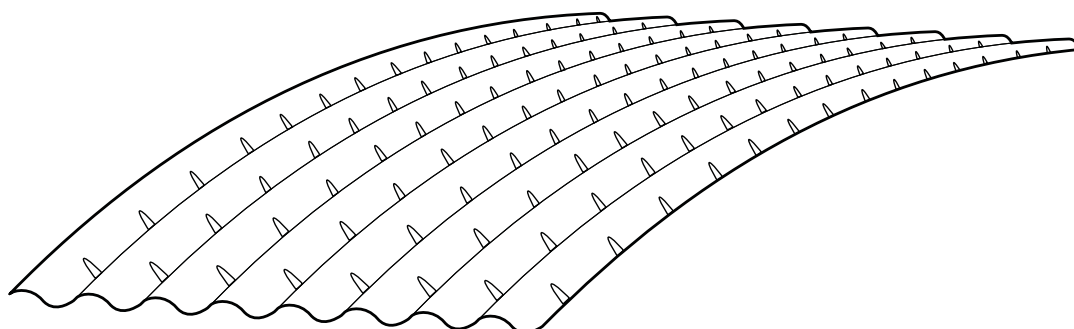
B = min 50 mm

or

A = min 50 mm

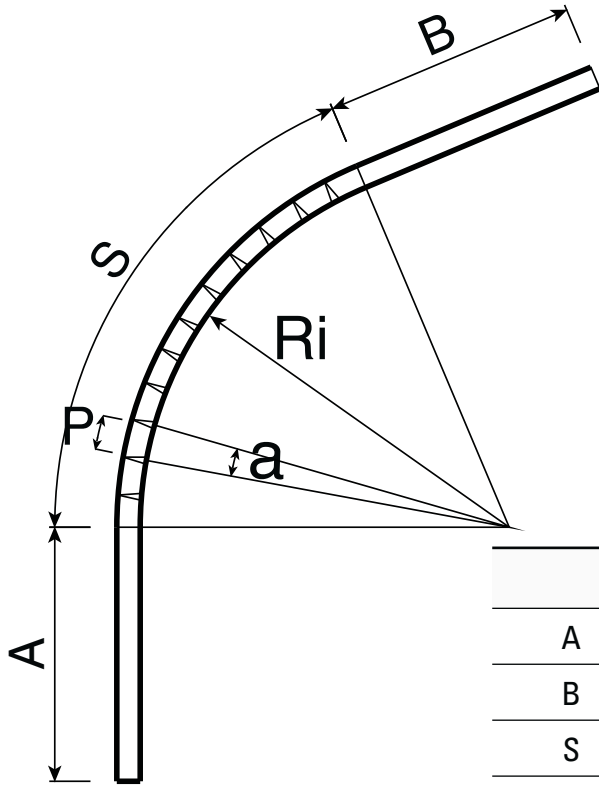
B = min 150 mm

* non standard toolings



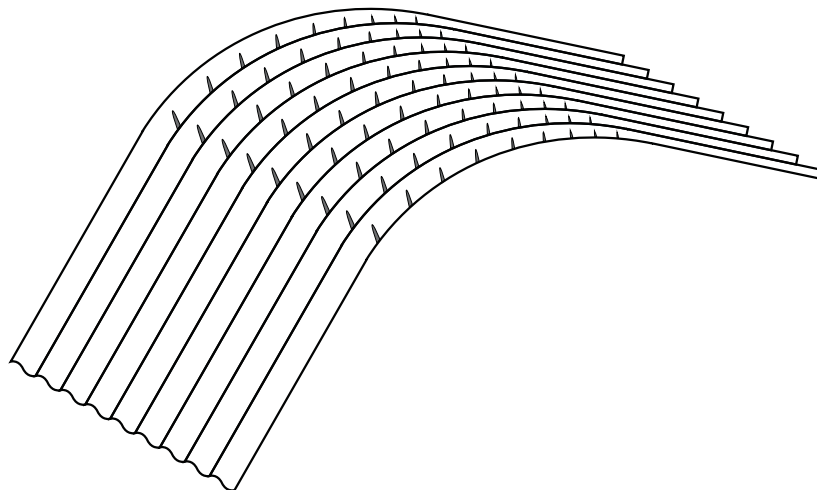
Ond-all 33 profile

PARTIAL CURVATURE BY NOTCHING



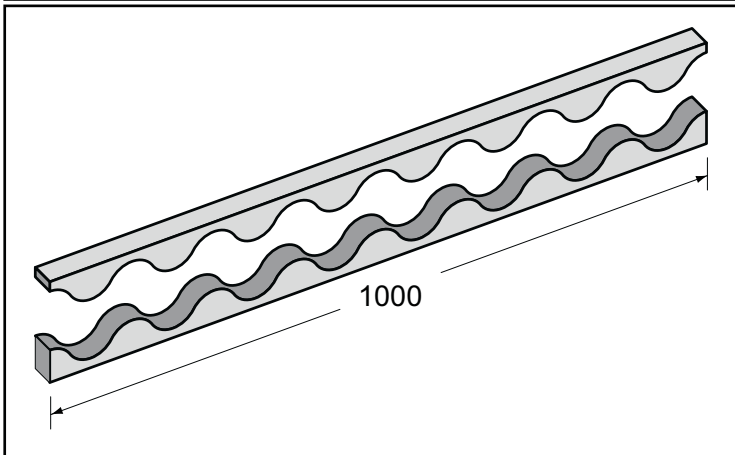
A = min 150 mm
 B = min 50 mm
 or
 A = min 50 mm
 B = min 150 mm

Symbols		
A	initial section	min 150 mm
B	end section	min 150 mm
S	curve development	min 100 mm
A+B+S	total development (aluminium)	max 4000 mm
A+B+S	total development (other mater.)	max 3000 mm
Ri	inside radius	min 280 mm
P	impression distance	min 25 mm
a	deflection angle	min 1° max 4°



Ond-all 33 profile

ACCESSORIES



Over corrugation profile

Under corrugation profile