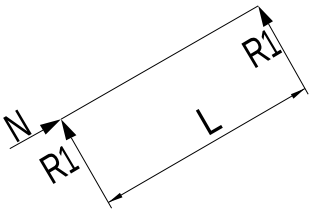
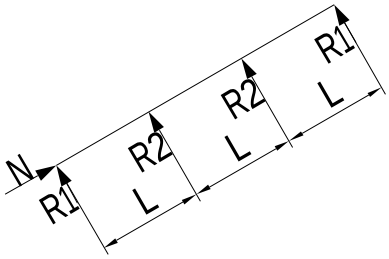
Monopitched roof according to P5050-402,403,404



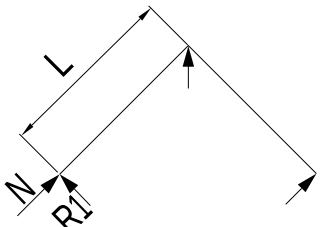
two supports

three supports

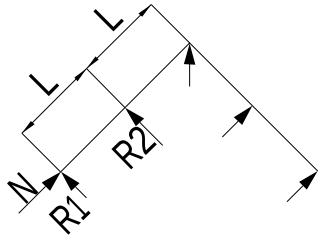


four supports

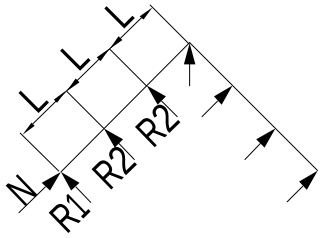
Ridged roof according to P5050-405,406,407



two supports

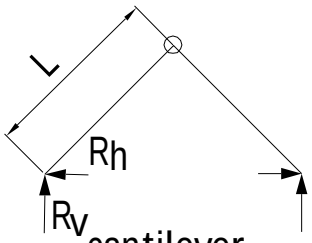


three supports



four supports

Ridged roof according to P5050-408



cantilever

Correction factors:

$L_{max} = K_L \times L$

$R = K_R \times R$

$N = K_N \times N$

L_{max}, R and N given in tables in drawings P5050-402 till -408.

DESIGN BASIS

- c/c-mullions 1200mm.
- c/c-transoms max 2500mm, in position of support.
- Deflection L/300 and limited to 15mm.
- Deflection for one glass limited to 8mm.
- Dead weight of glass 6+4/4mm (DG4), 35 kg/m².
- Characteristic value of wind action 0,6kN/m², q_P (excl. form factor).
- Characteristic value of snow action, Sk, according to Eurocode 1 for the actual country (excl. form factor).
- Calculation including thermal coefficient, Ct, according to ISO 4355, is shown in column "With Ct" and based on glass U-value 1,6W/m²K and room temperature +18°C.
- In countries where the Ct-factor isn't accepted or where the conditions are not fulfilled, could values presented in the column "No Ct" be used.
- N and R reaction forces are related to ultimate limit stress (ULS).
- Influence from load of person is not included. This load is usually not dimensioning.

c/c mullions	K_L	K_N K_R
600	1.3	0.65
700	1.2	0.70
800	1.17	0.78
900	1.10	0.82
1000	1.07	0.89
1100	1.03	0.95
1200	1.00	1.00
1300	0.97	1.05
1400	0.96	1.13
1500	0.93	1.17
1600	0.90	1.20

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Estimated dimensioning basis for monopitched and ridge roofs.

ROOF GLAZING 5050

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