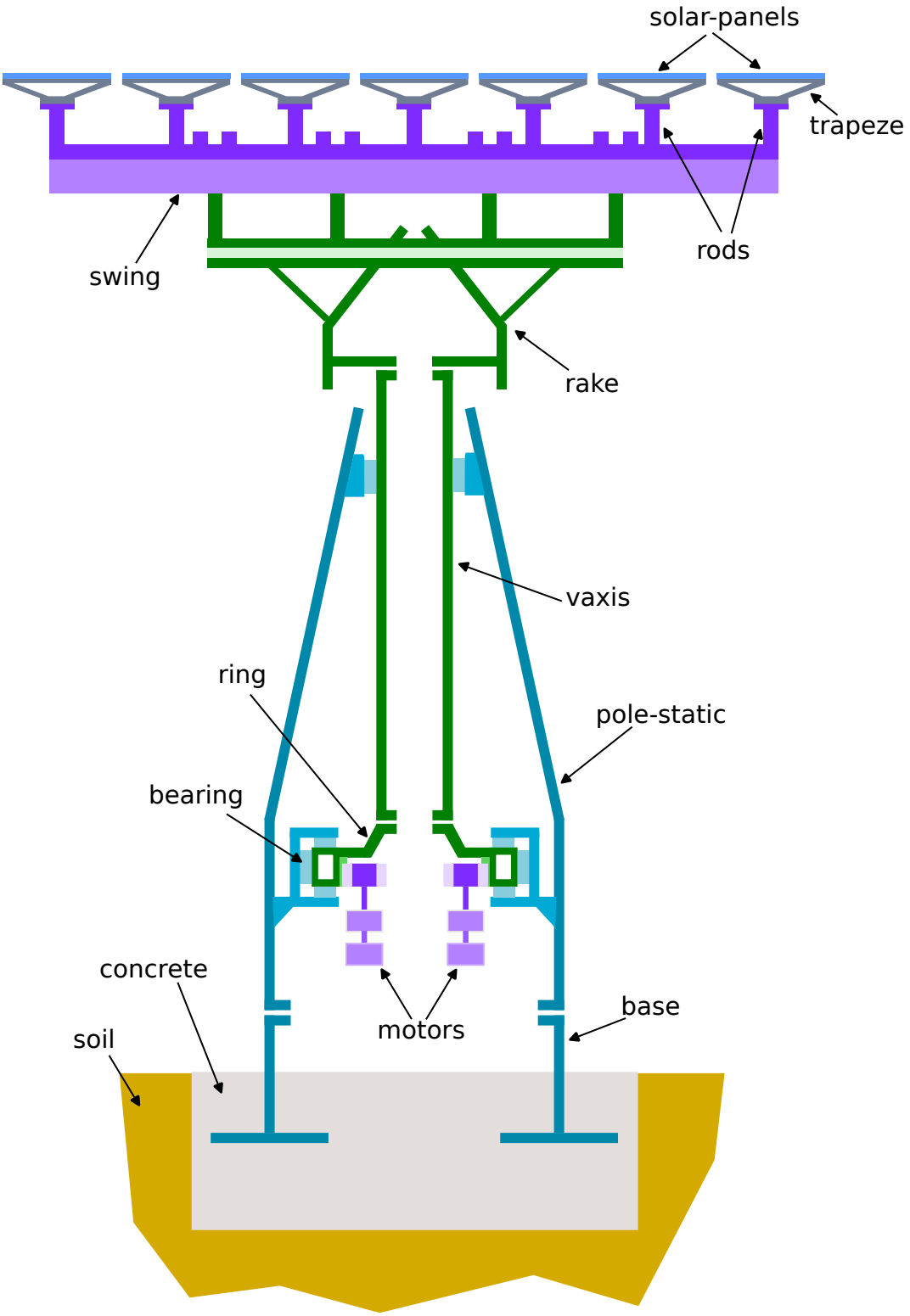
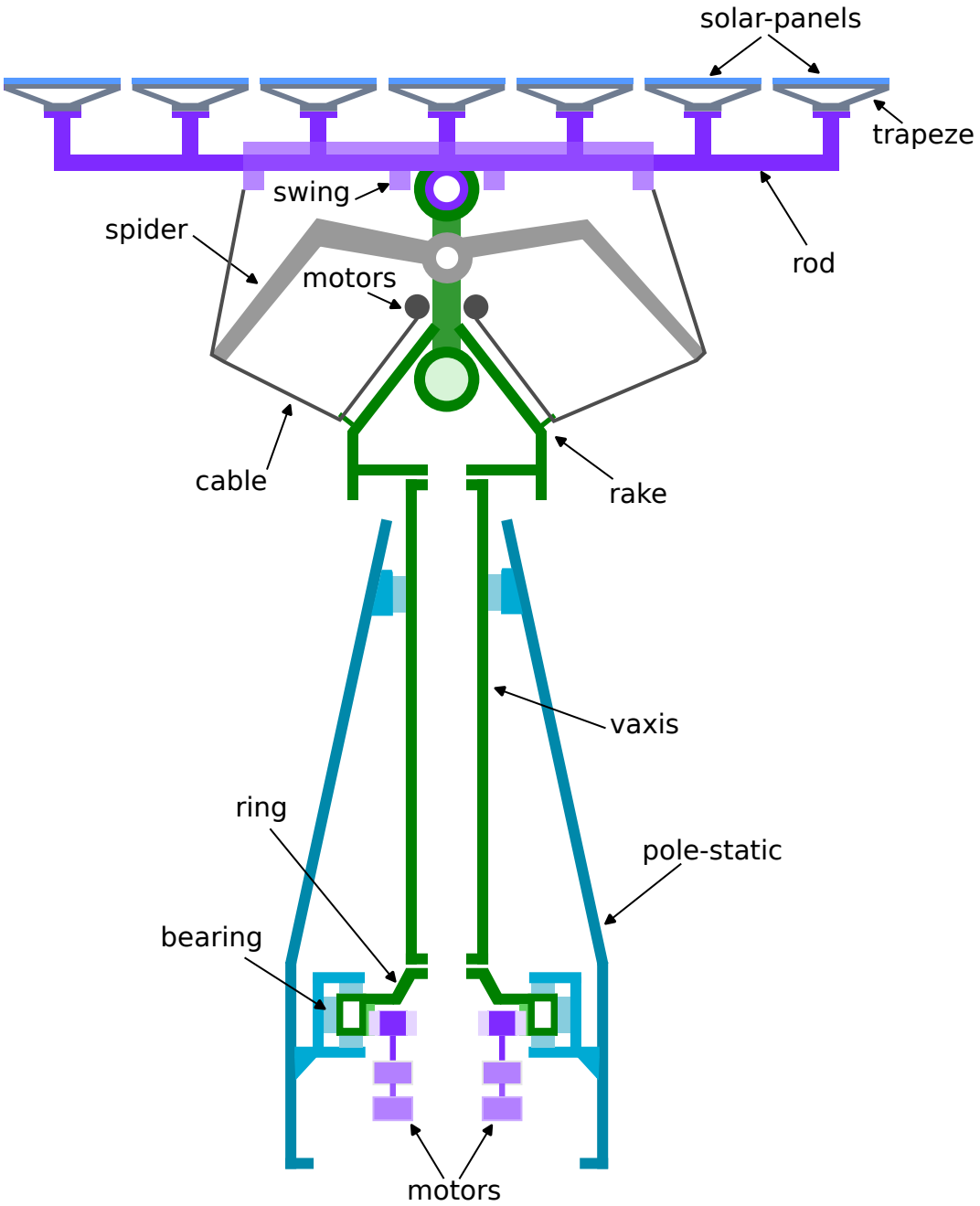
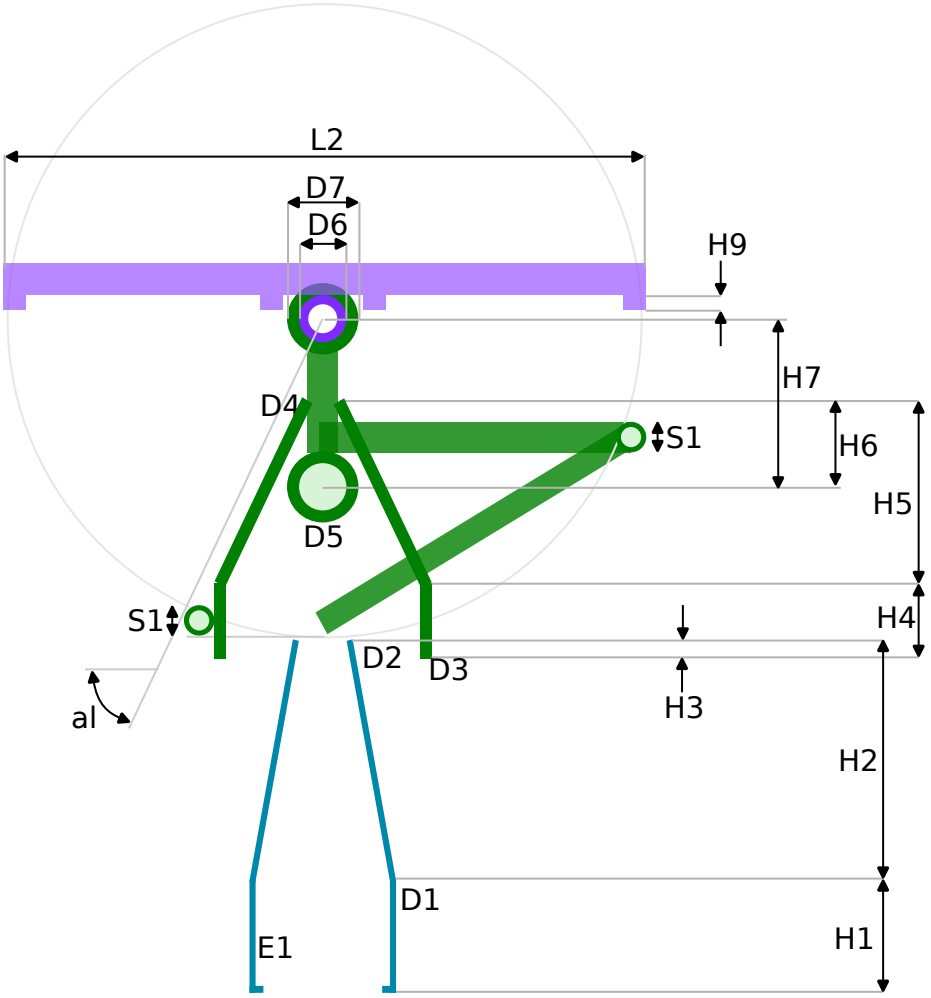
heliostat_model_50cm_parameters.svg

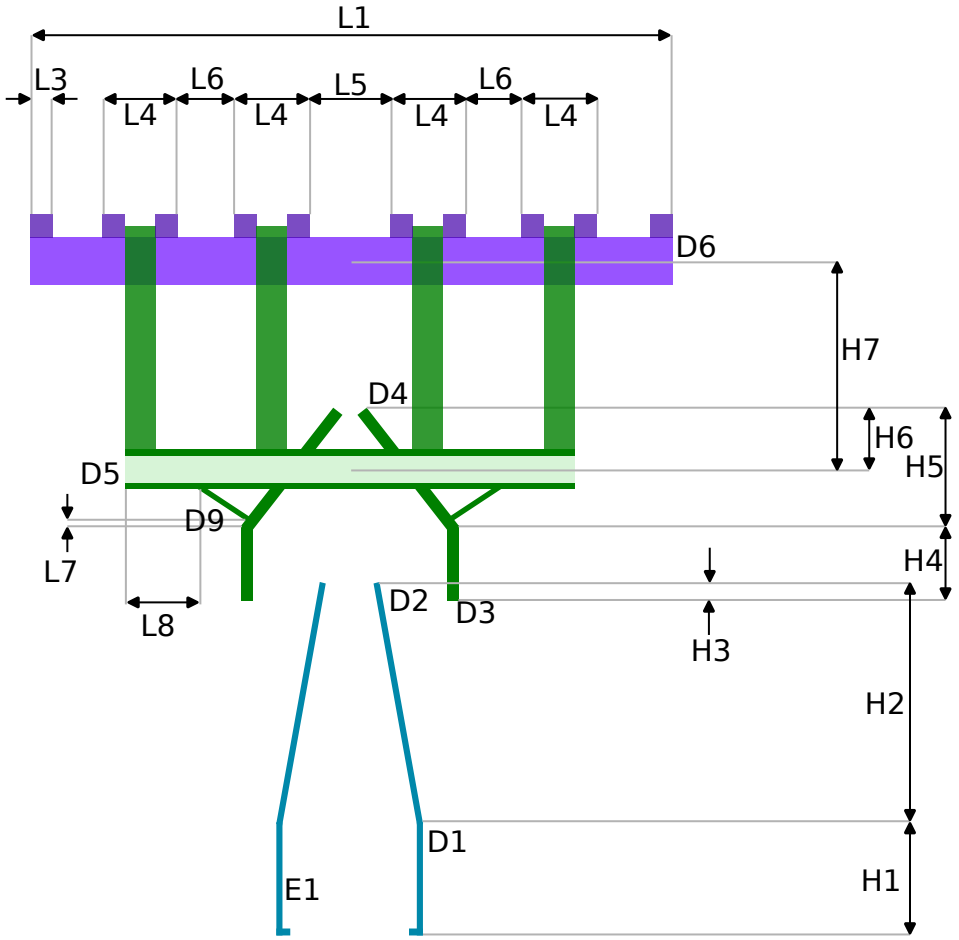
Heliostat_2



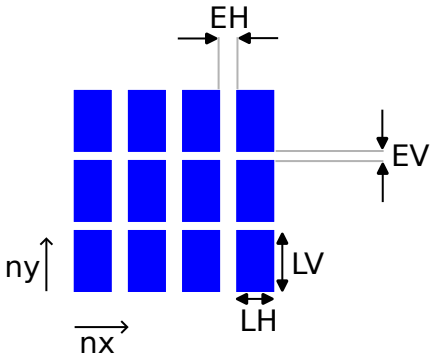

solar-panels
trapeze
swing
spider
motors
rod
cable
rake
vaxis
ring
pole-static
bearing
motors

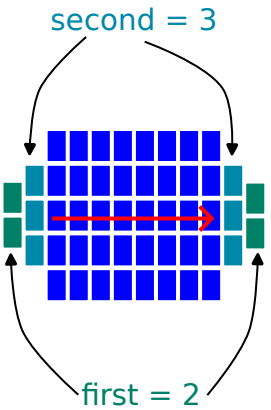
...Heliostat_2


L2
D7
D6
H9
H7
D4
S1
H6
H5
D5
S1
H4
D2
D3
H3
al
H2
D1
E1
H1

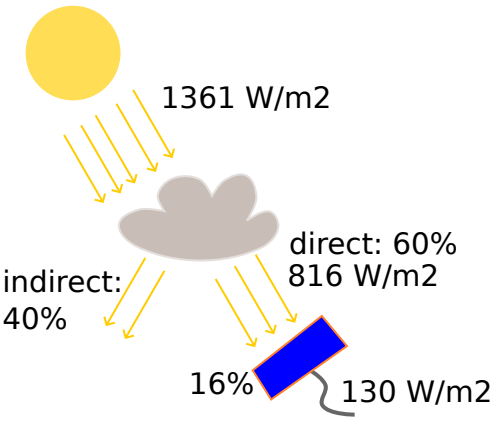

L1
L3
L6
L5
L6
L4
L4
L4
L4
D6
H7
D4
H6
H5
D5
D9
L7
L8
H4
D2
D3
H3
H2
D1
E1
H1

surface

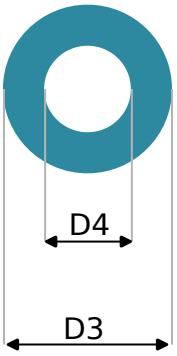


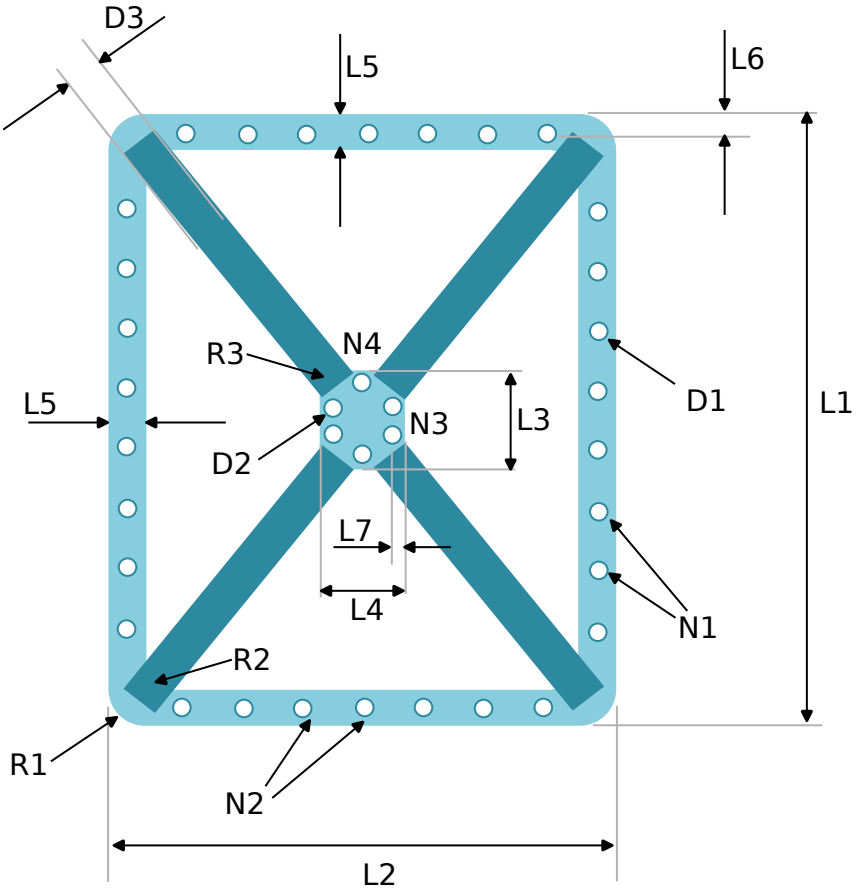


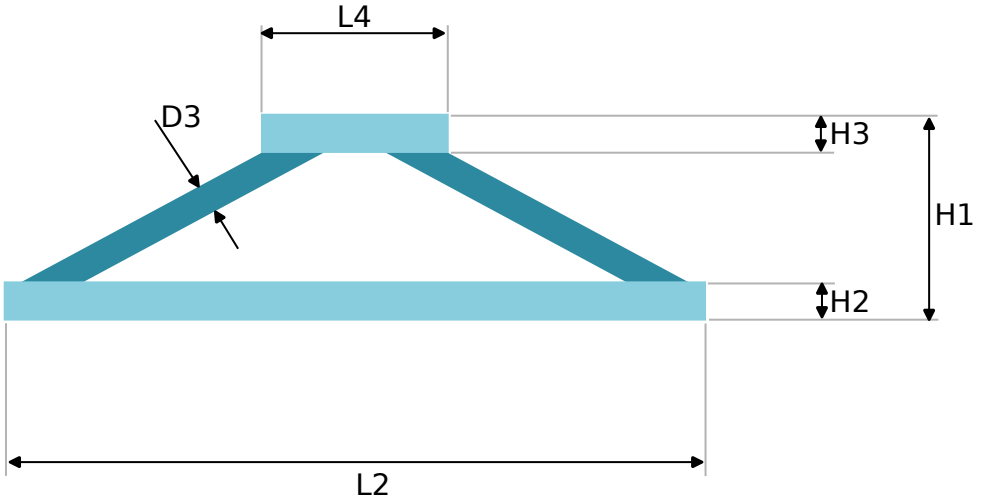
nx = 12
ny = 5



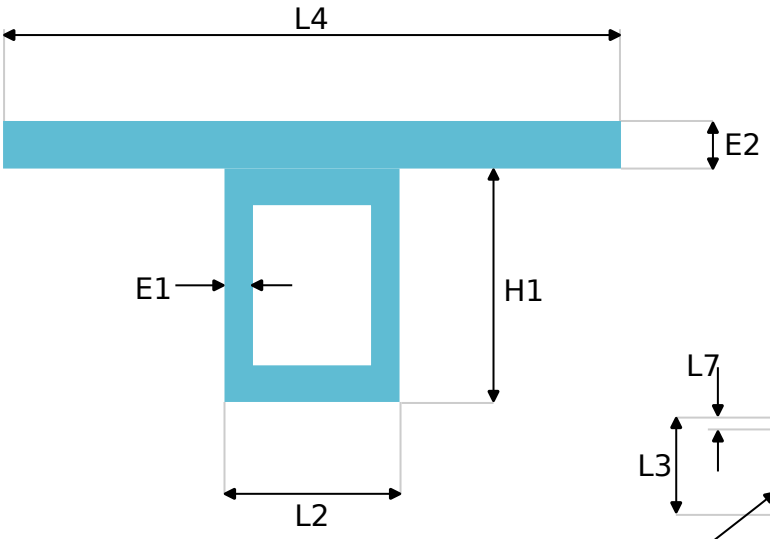
trapeze

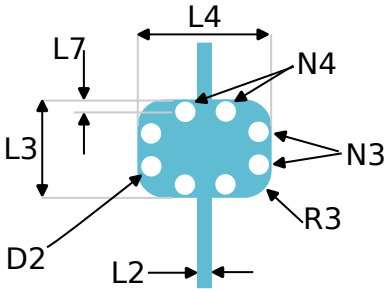


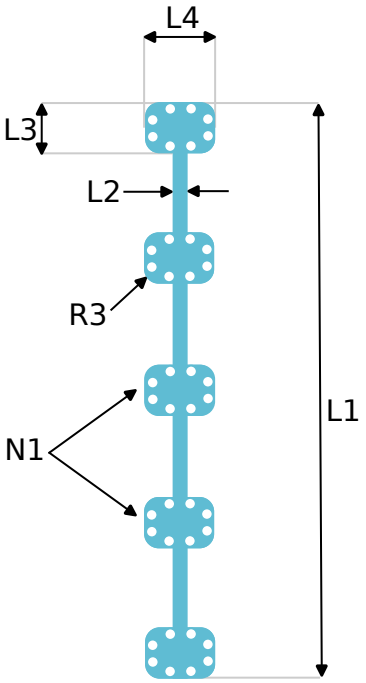




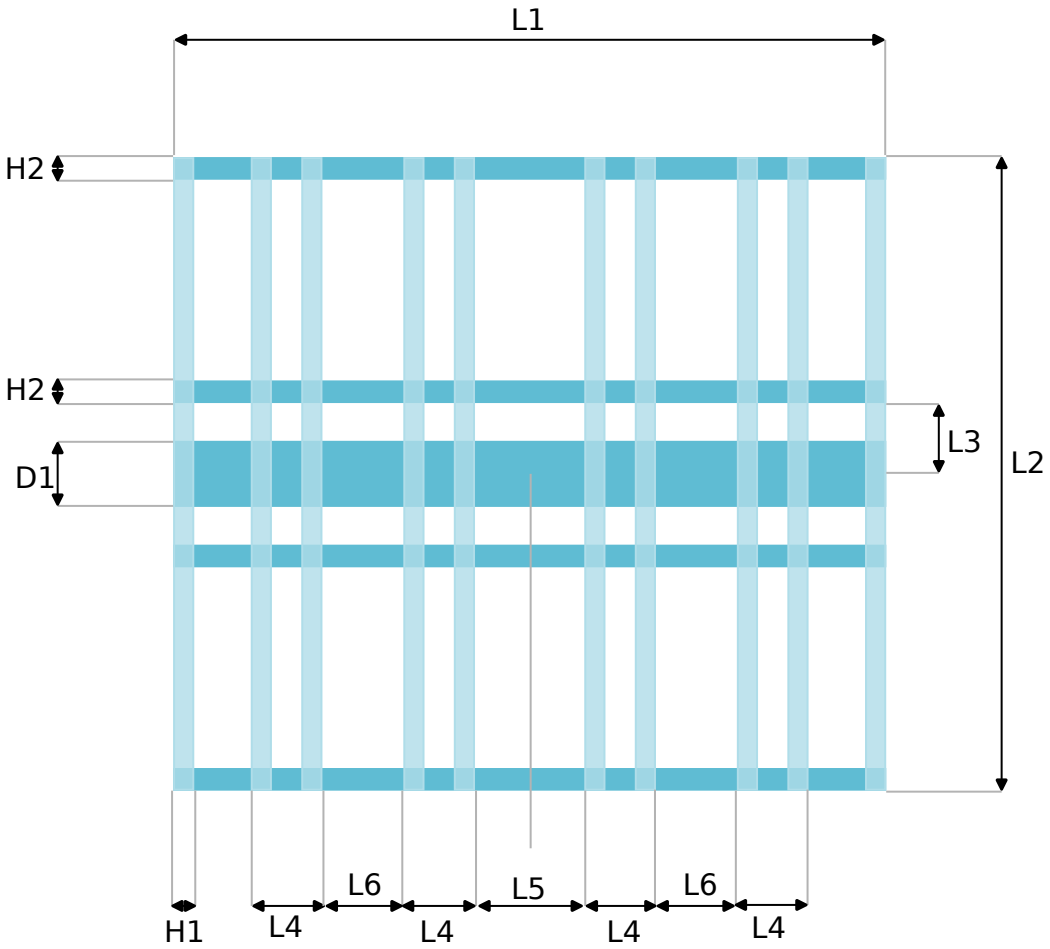
rod


L4
E2
E1
H1
L2

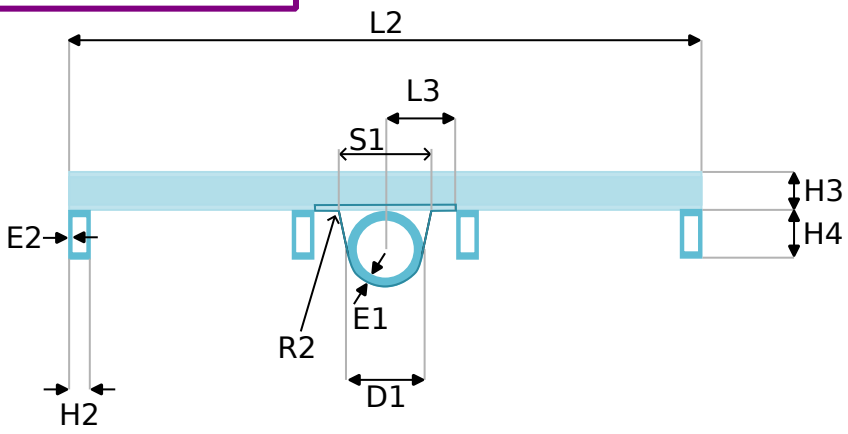

L4
L7
N4
L3
N3
R3
D2
L2

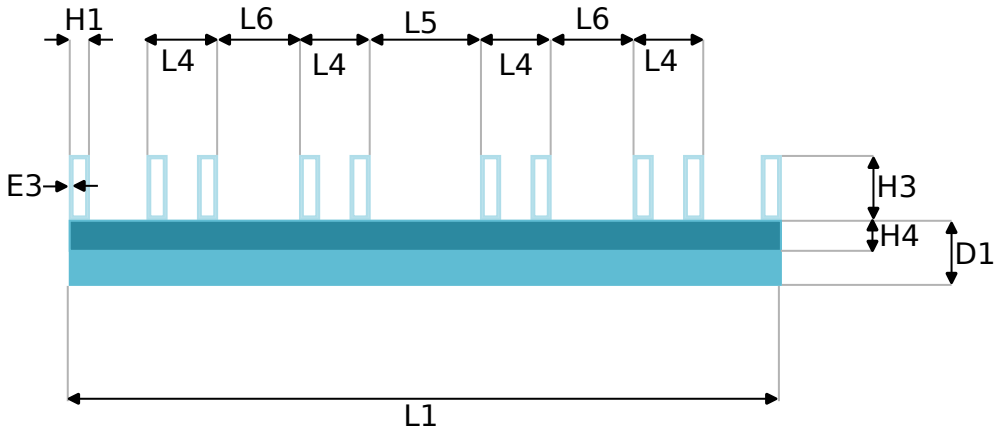

L4
L3
L2
R3
N1
L1

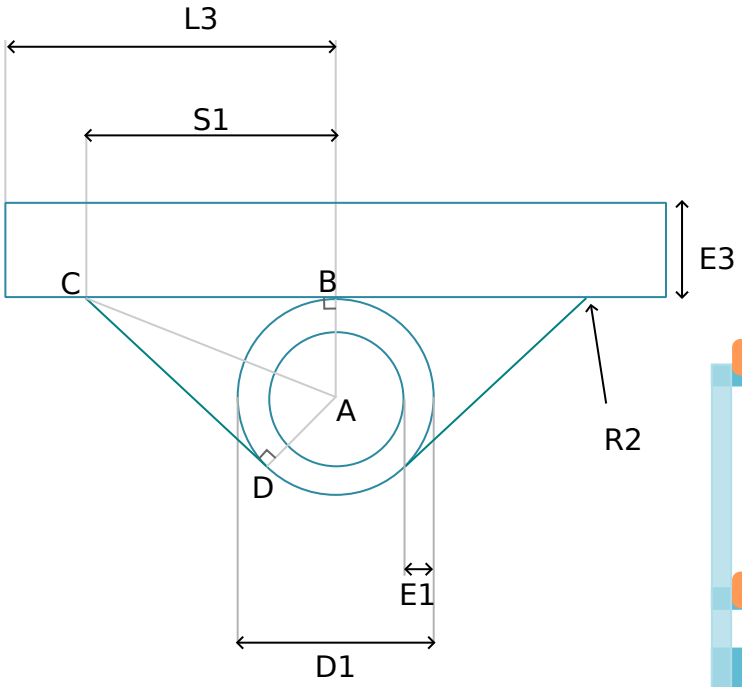
swing

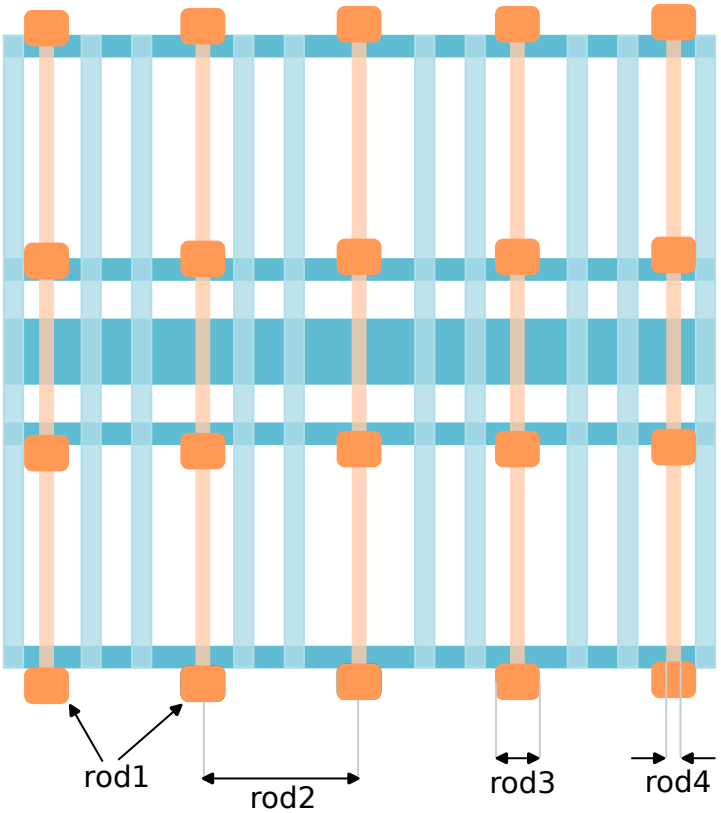

L1
H2
H2
D1
L3
L2
H1
L4
L6
L4
L5
L4
L6
L4

...swing

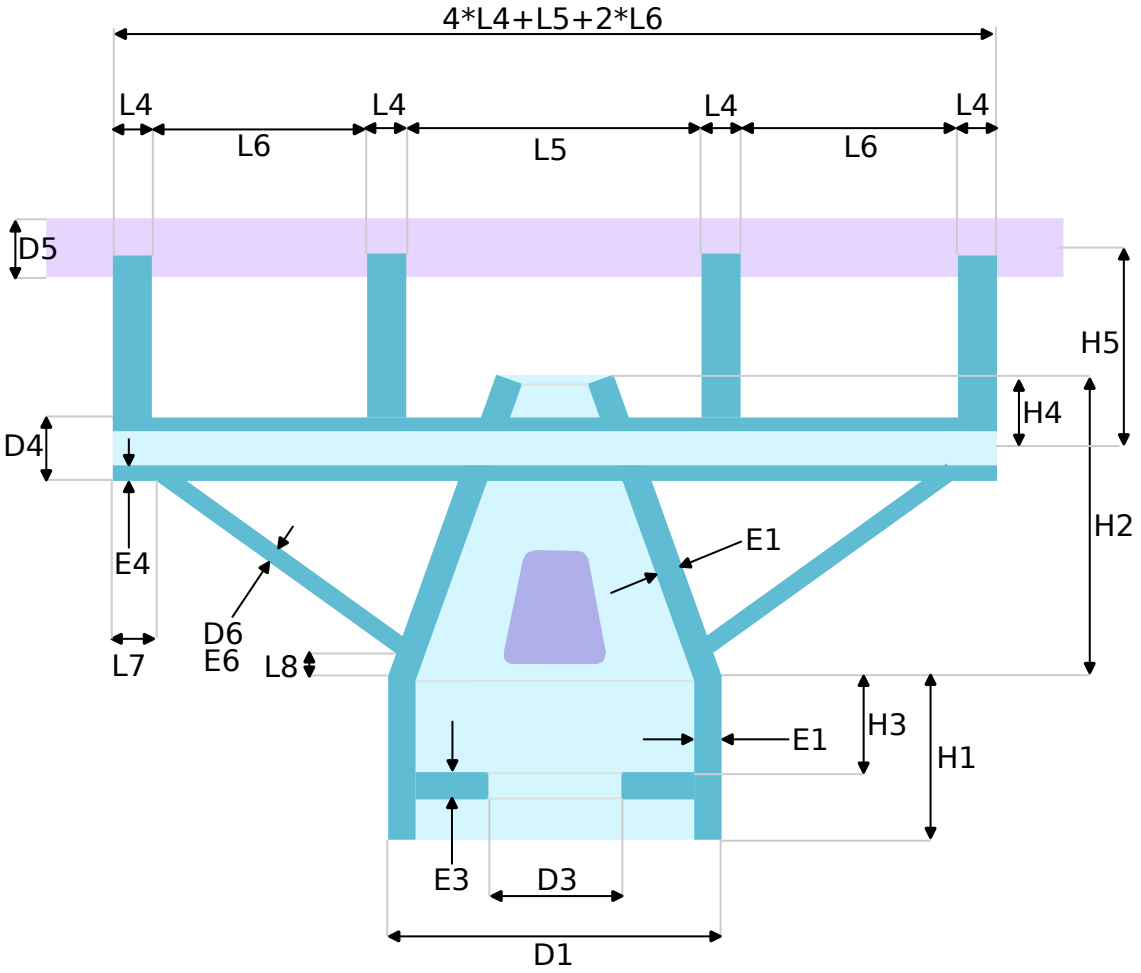

L2
L3
S1
H3
H4
E2
R2
E1
H2
D1

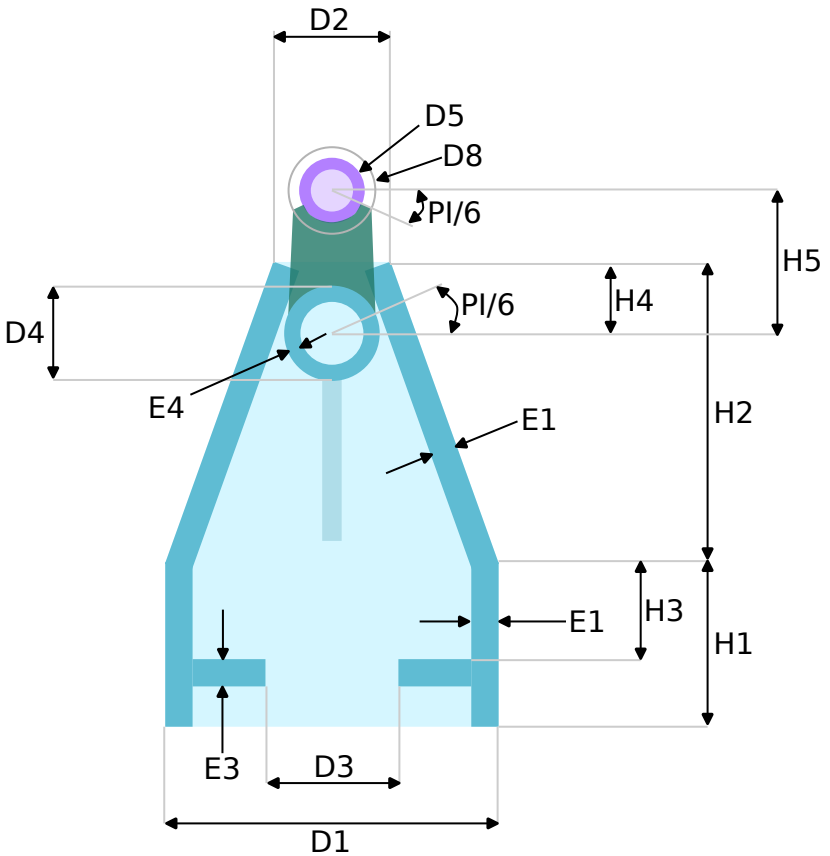

H1
L6
L5
L6
L4
L4
L4
L4
E3
H3
H4
D1
L1


L3
S1
E3
C
B
A
R2
D
E1
D1

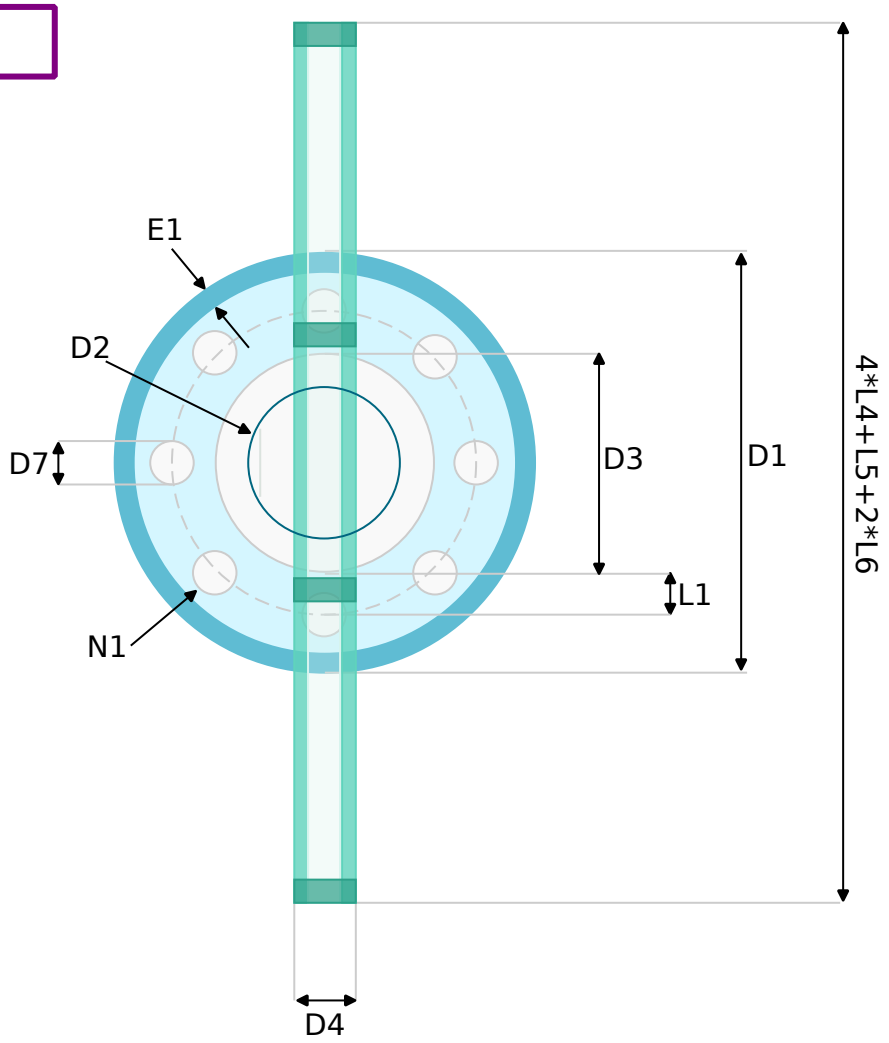

rod1
rod2
rod3
rod4

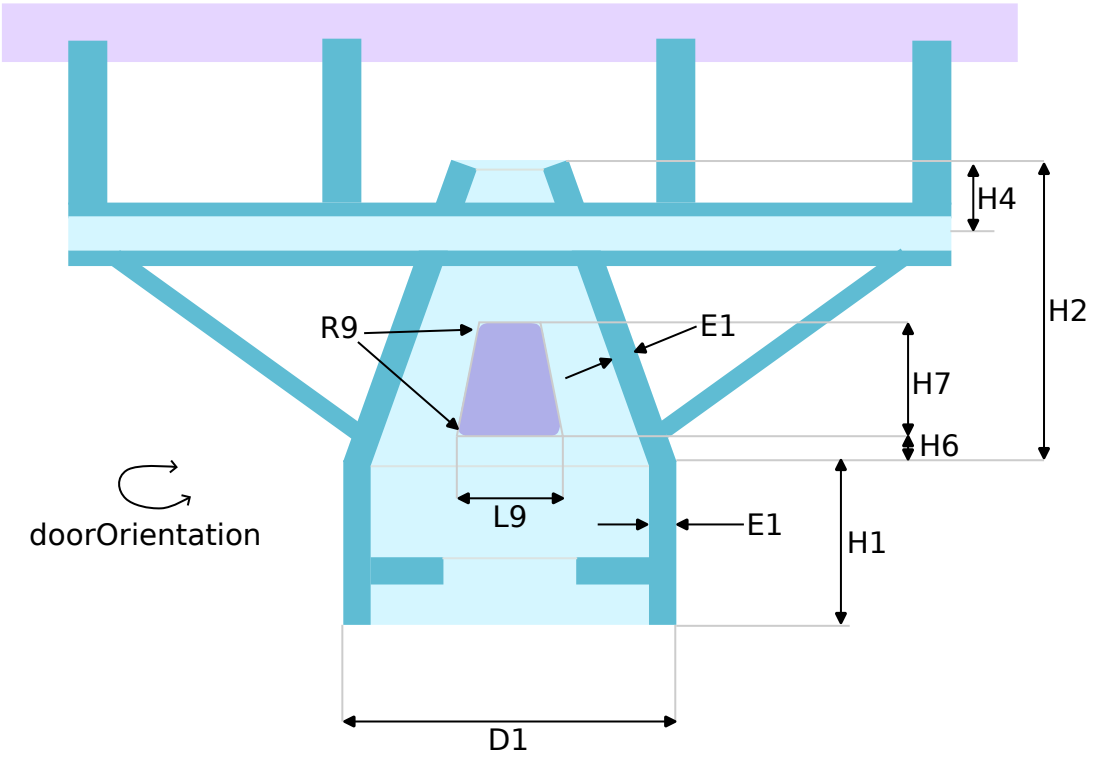
rake_stopper





...rake_stopper





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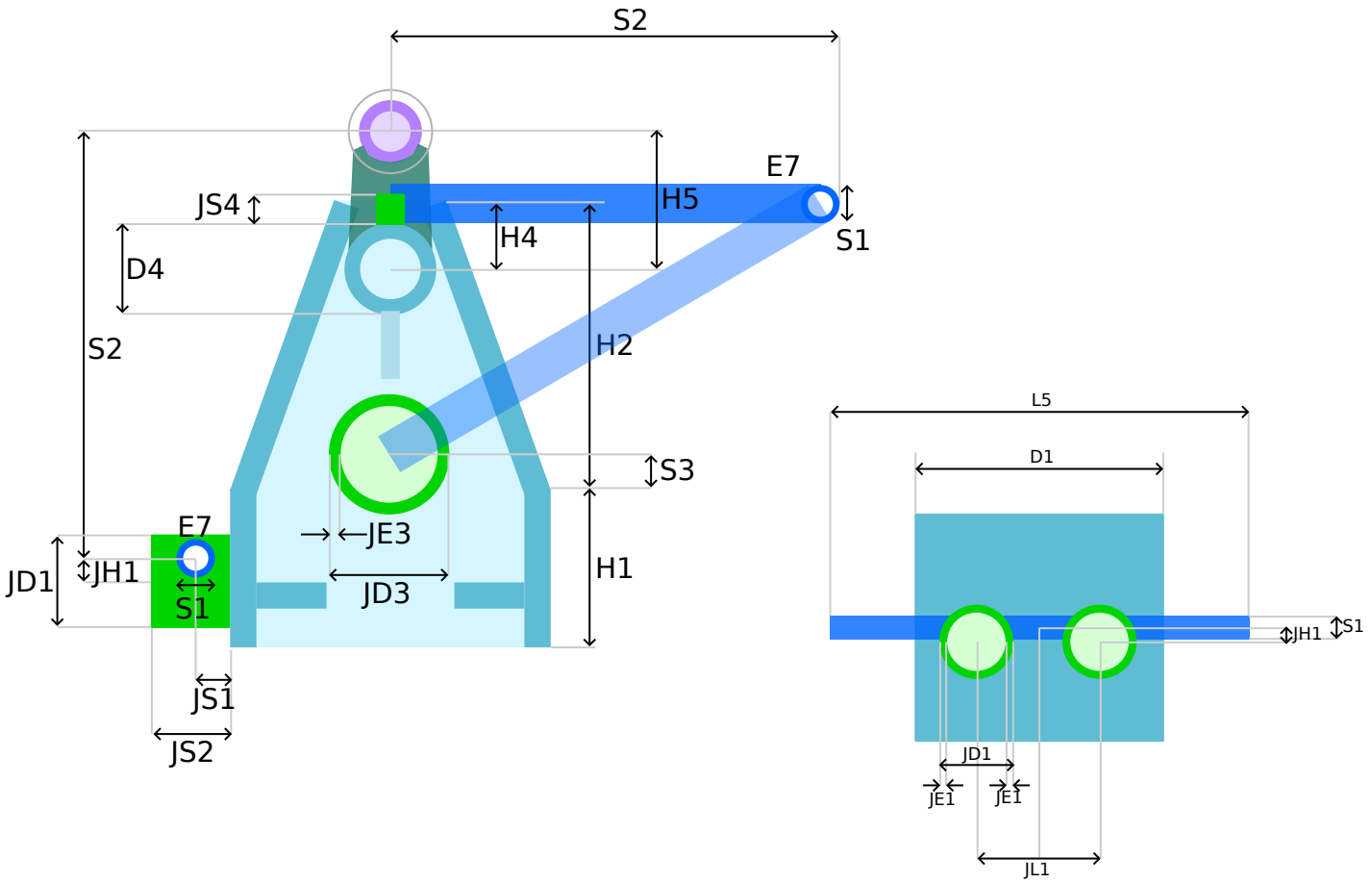
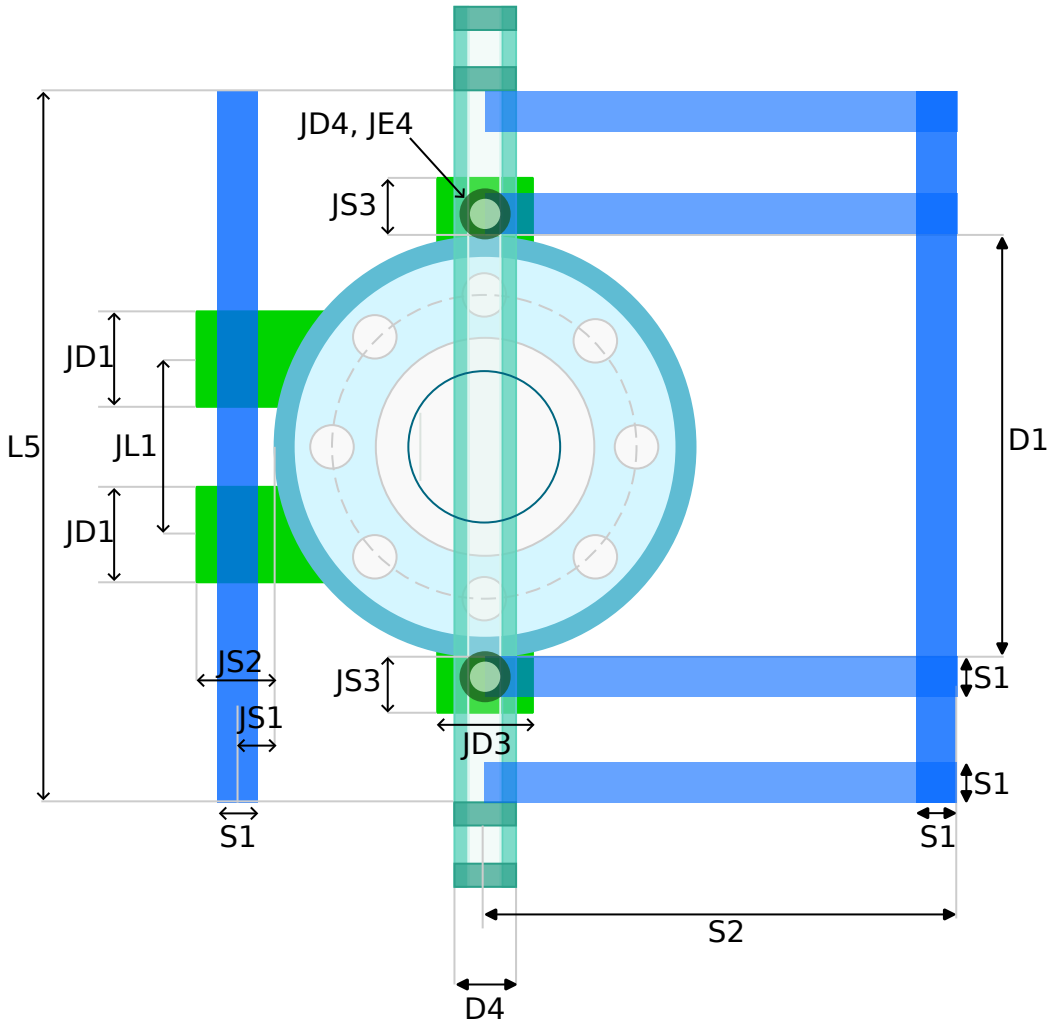
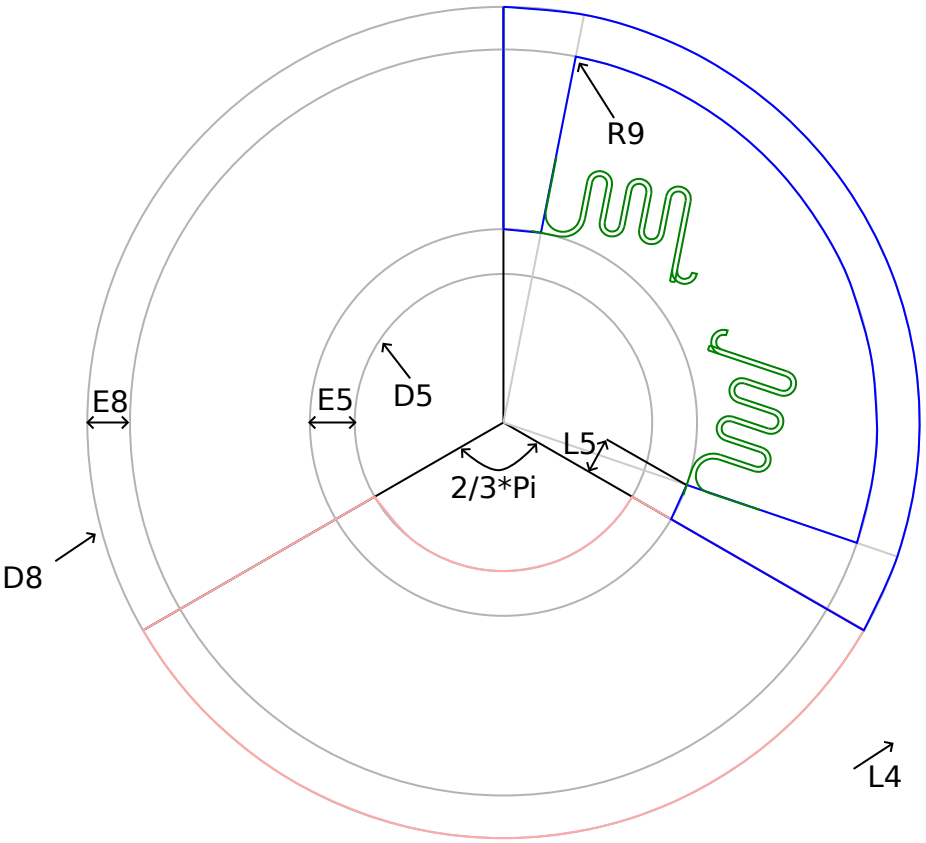
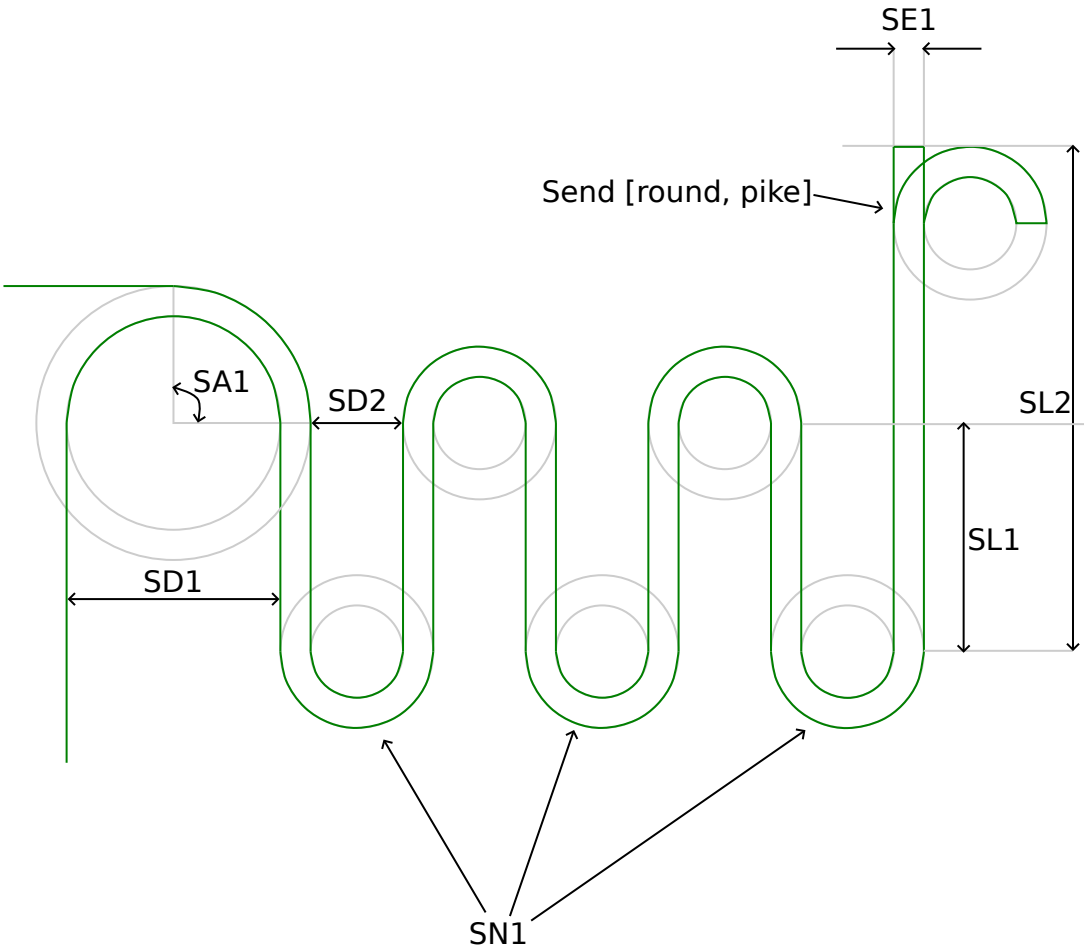


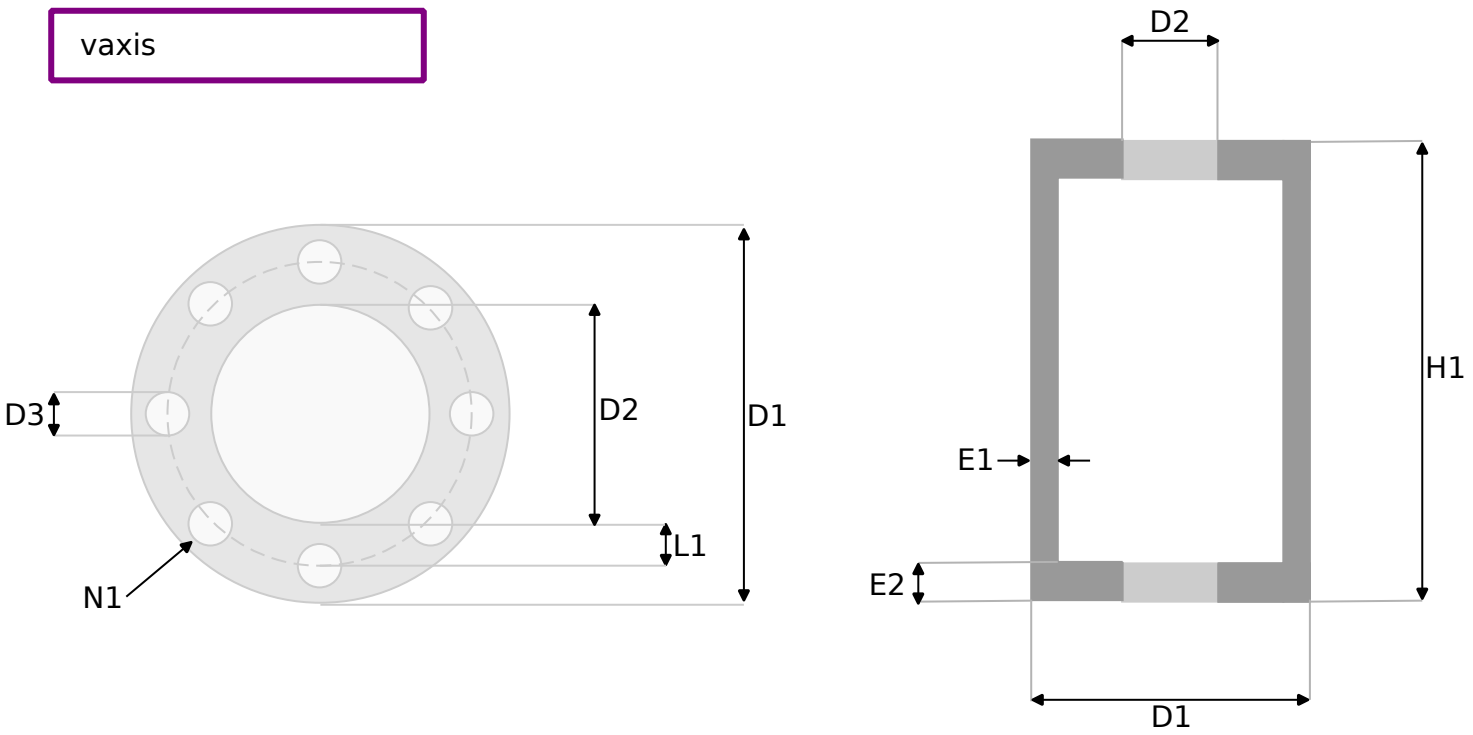


haxis_guidance

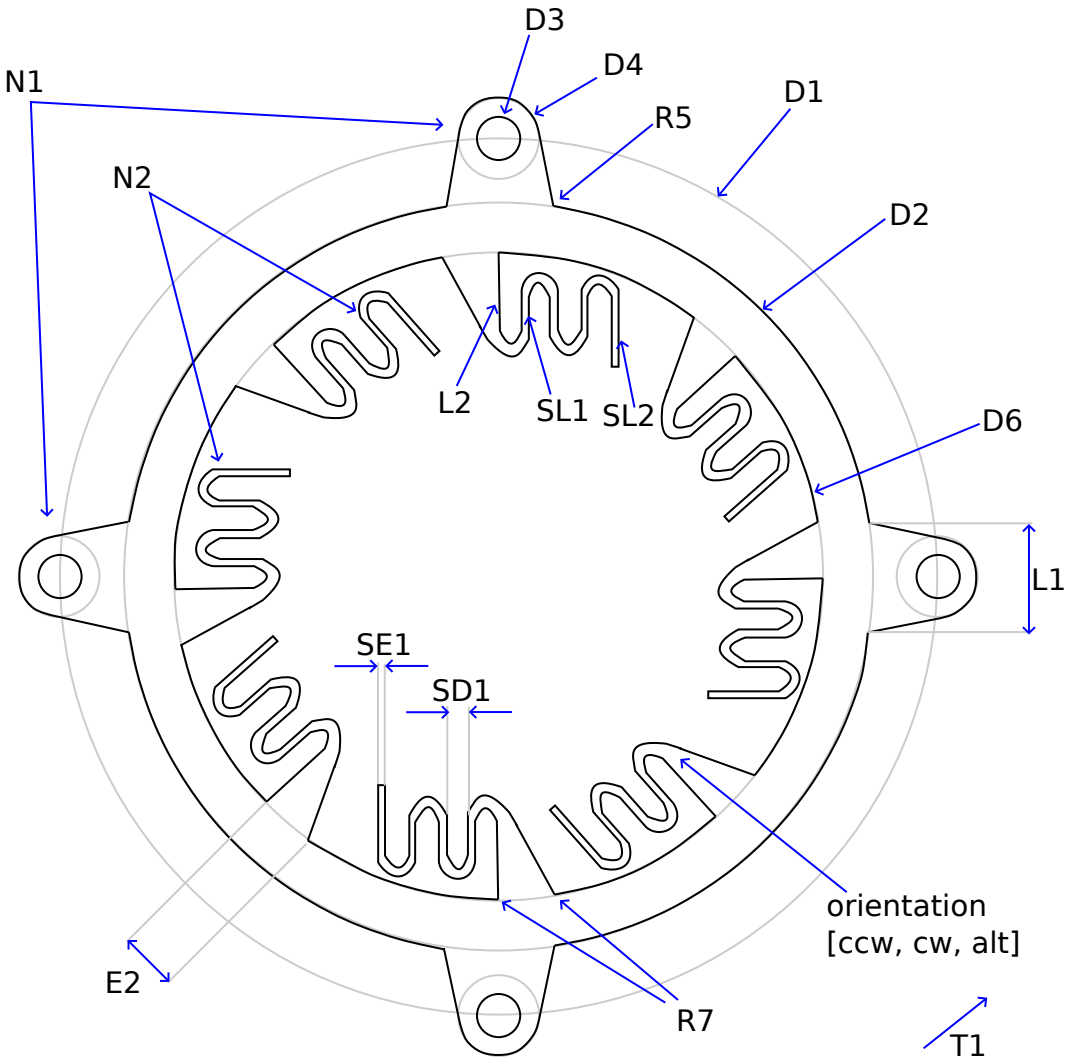




vaxis



vaxis_guidance



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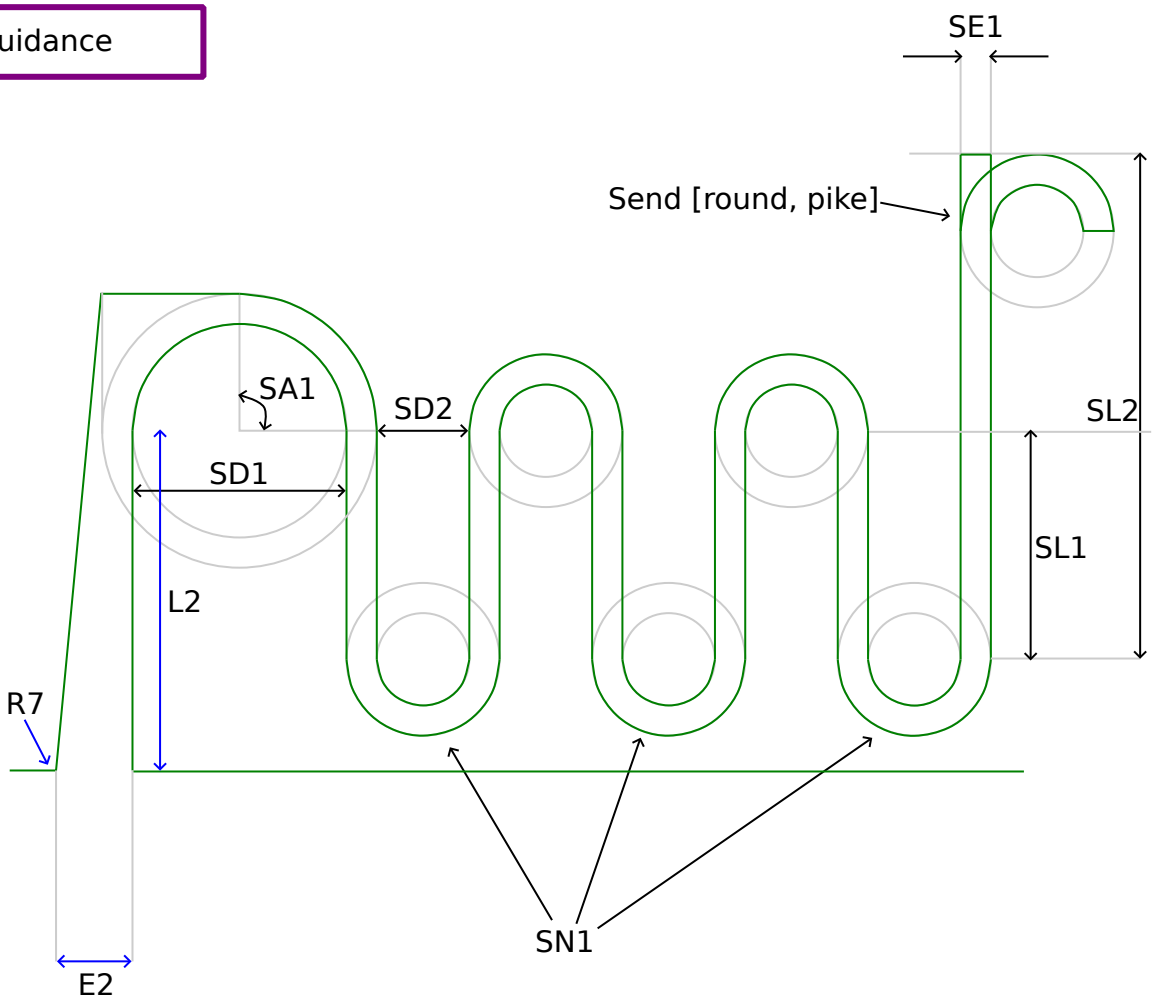
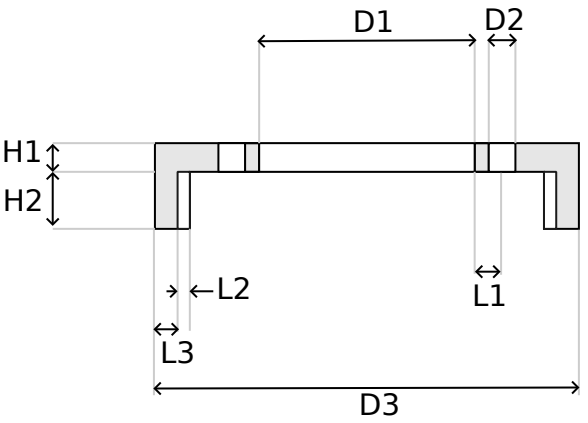
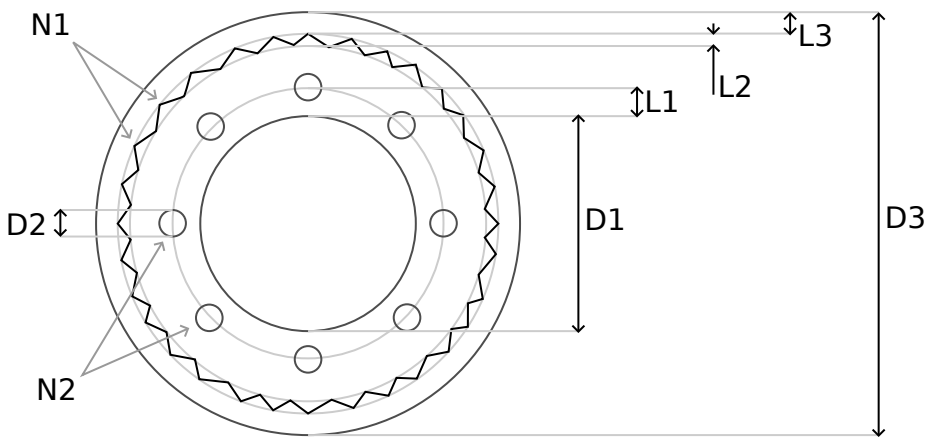
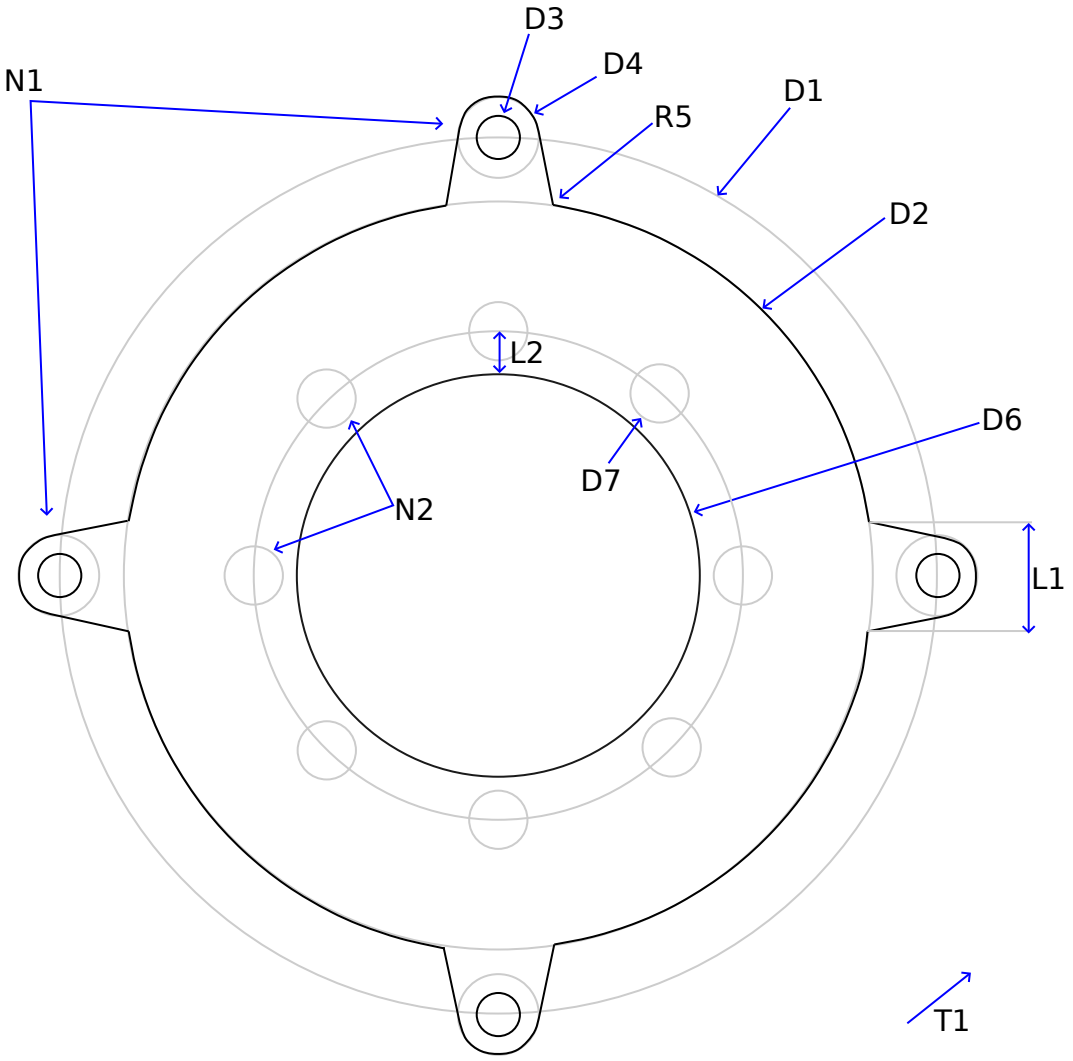


ring

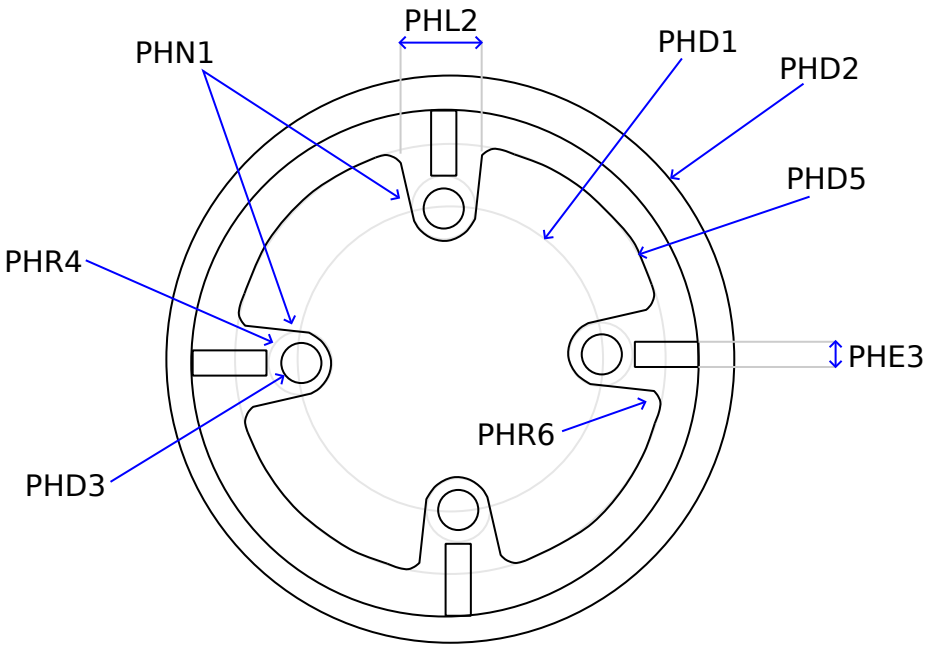


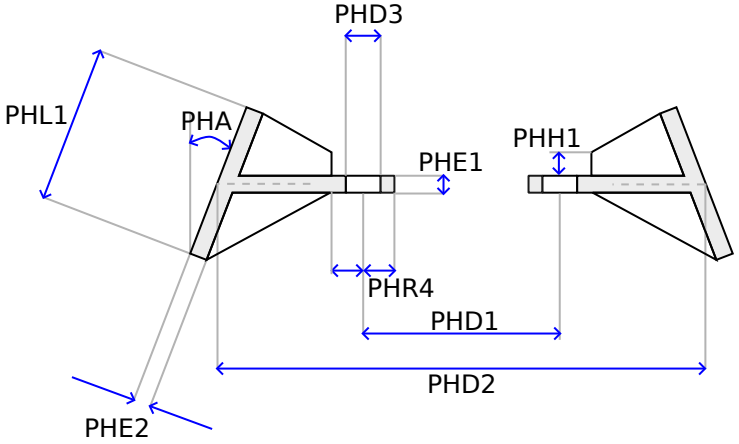


ring_guidance

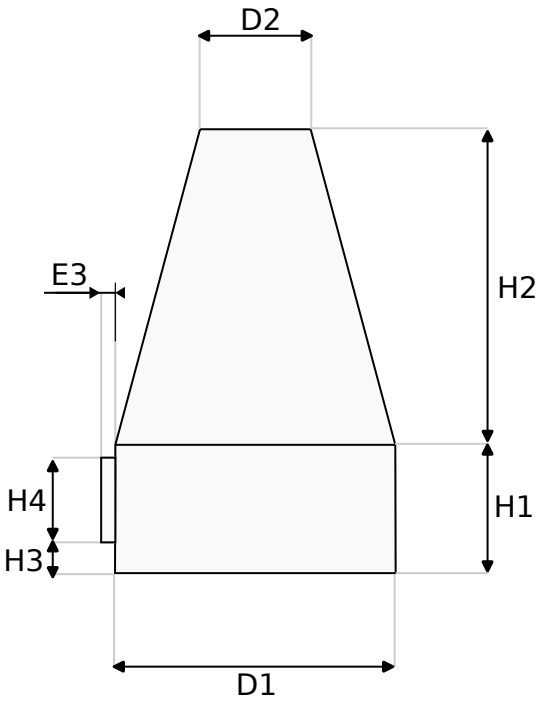


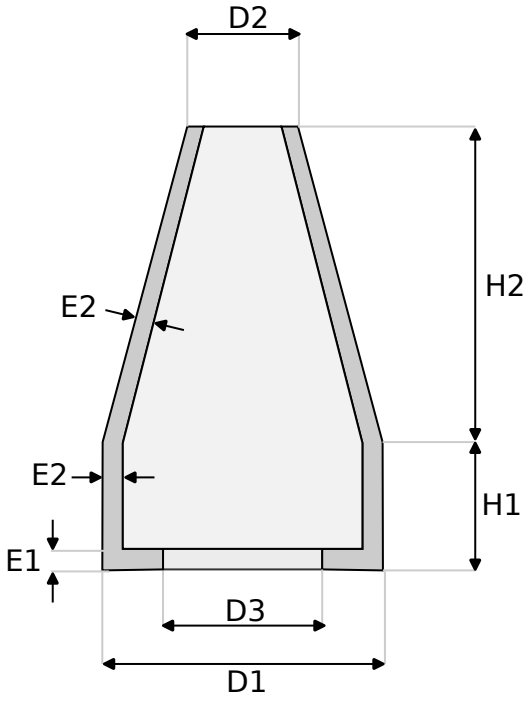
vaxis_holder

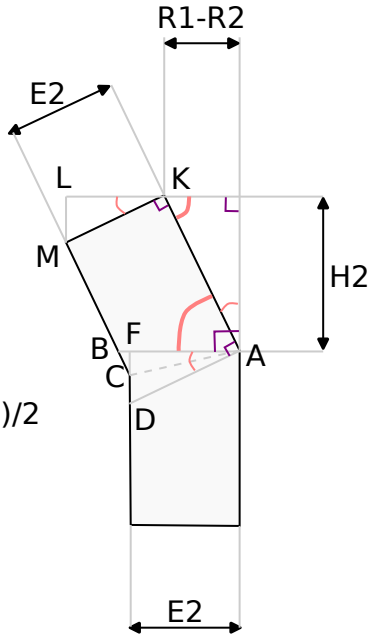




pole_static



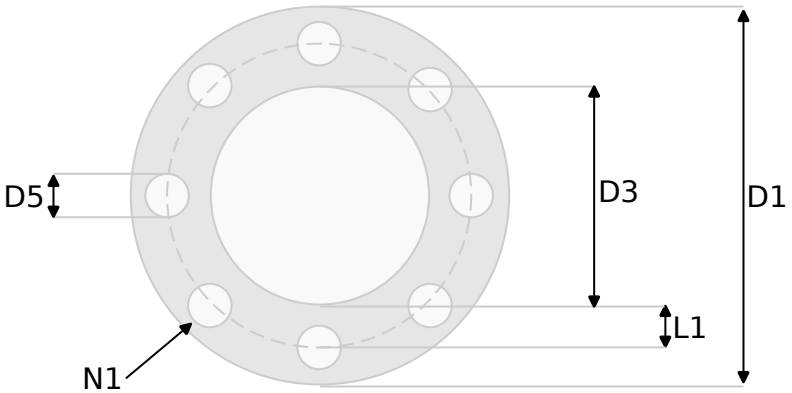


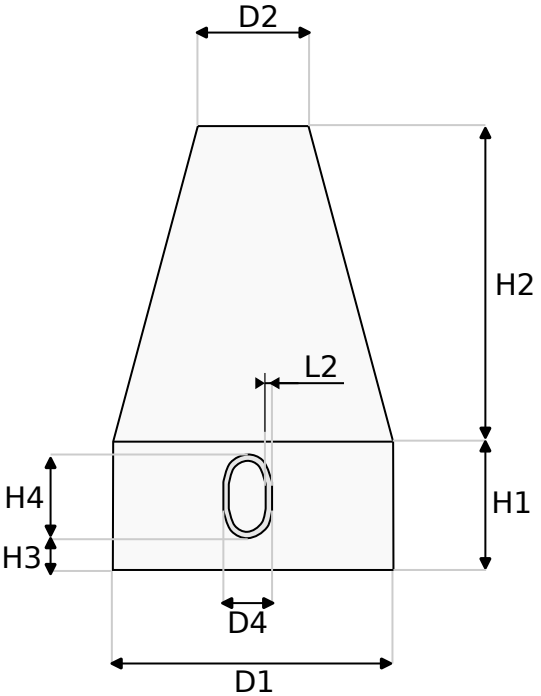


BAC=BAD/2
=atan((R1-R2)/H2)/2

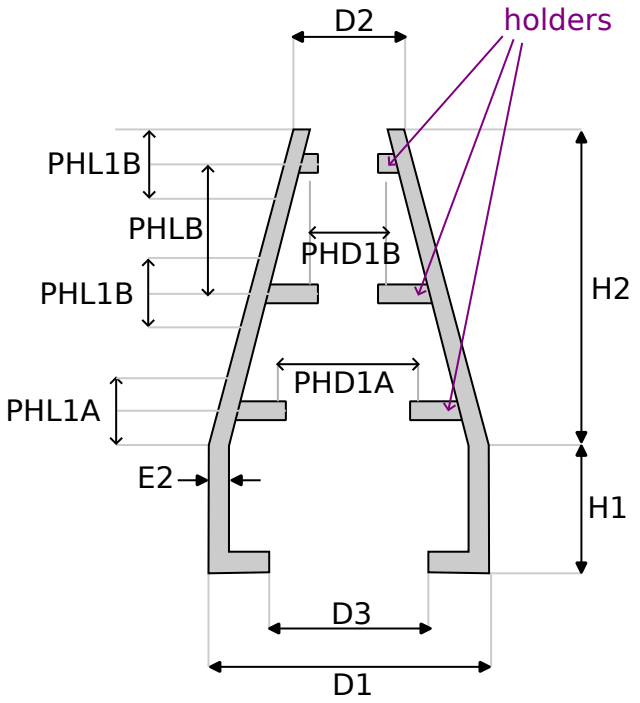
FC=E2*tan(BAC)

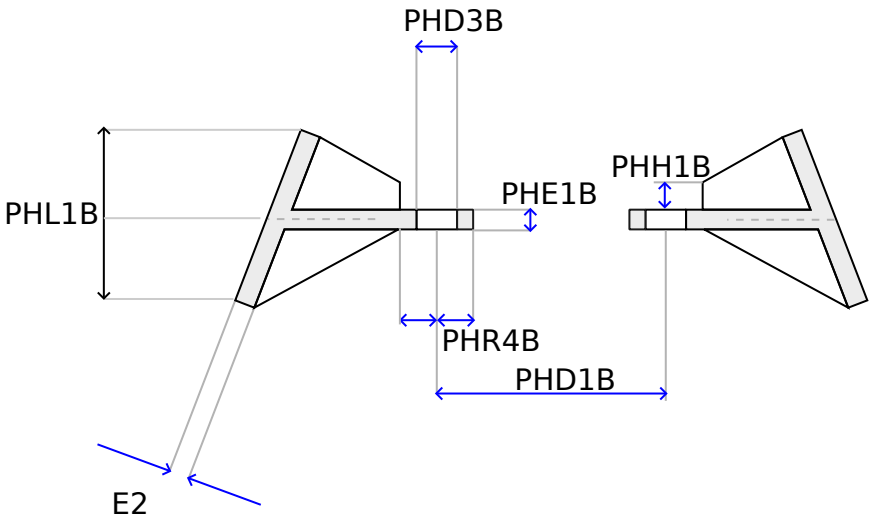
LK=E2*cos(BAC)
LM=E2*sin(BAC)

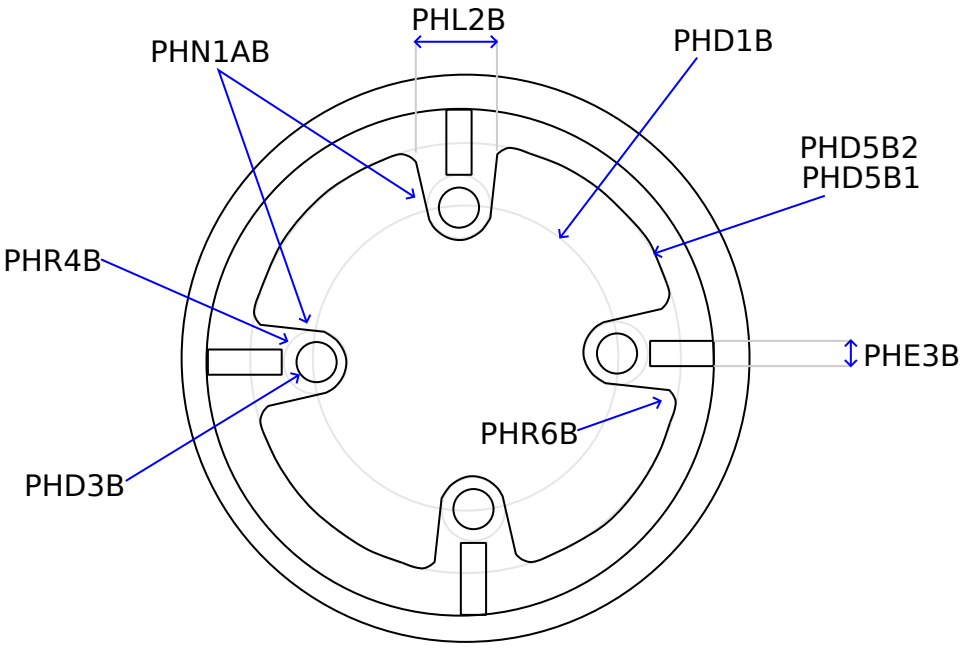
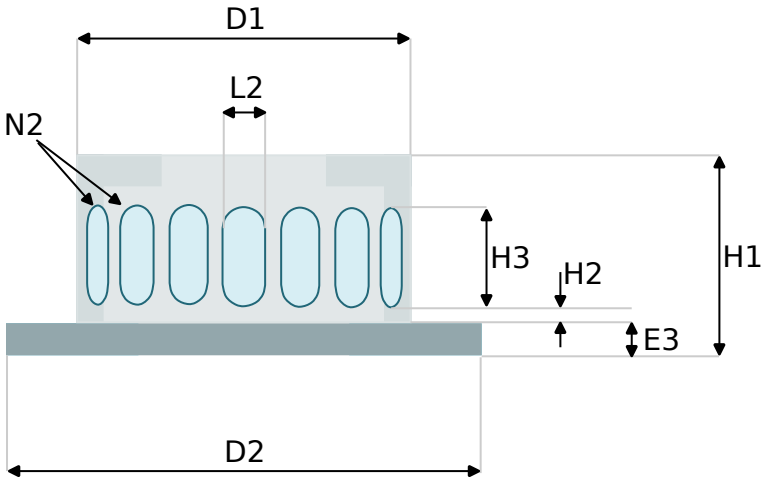
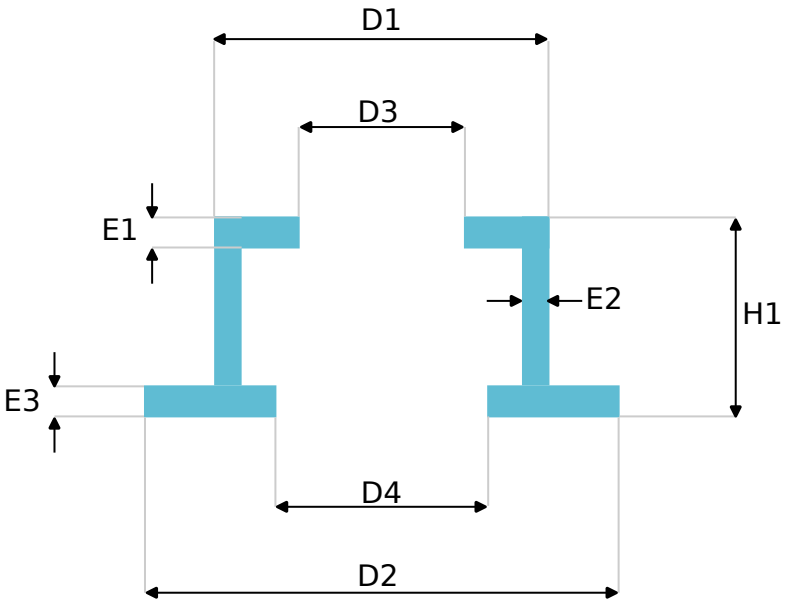
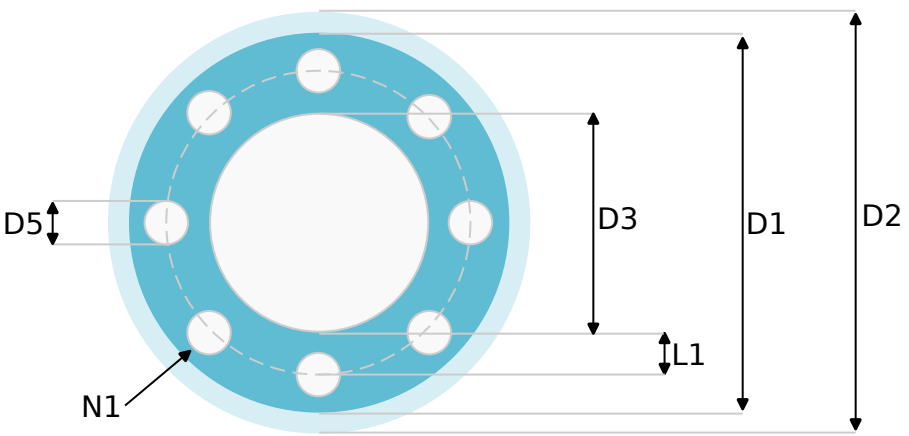




...pole_static


D2
holders
PHL1B
PHLB
PHL1B
PHD1B
H2
PHD1A
PHL1A
E2
H1
D3
D1


PHD3B
PHL1B
PHE1B
PHH1B
PHR4B
PHD1B
E2


PHL2B
PHN1AB
PHD1B
PHD5B2
PHD5B1
PHR4B
PHE3B
PHR6B
PHD3B

base