Serrande in alluminio di regolazione ed espulsione aria.

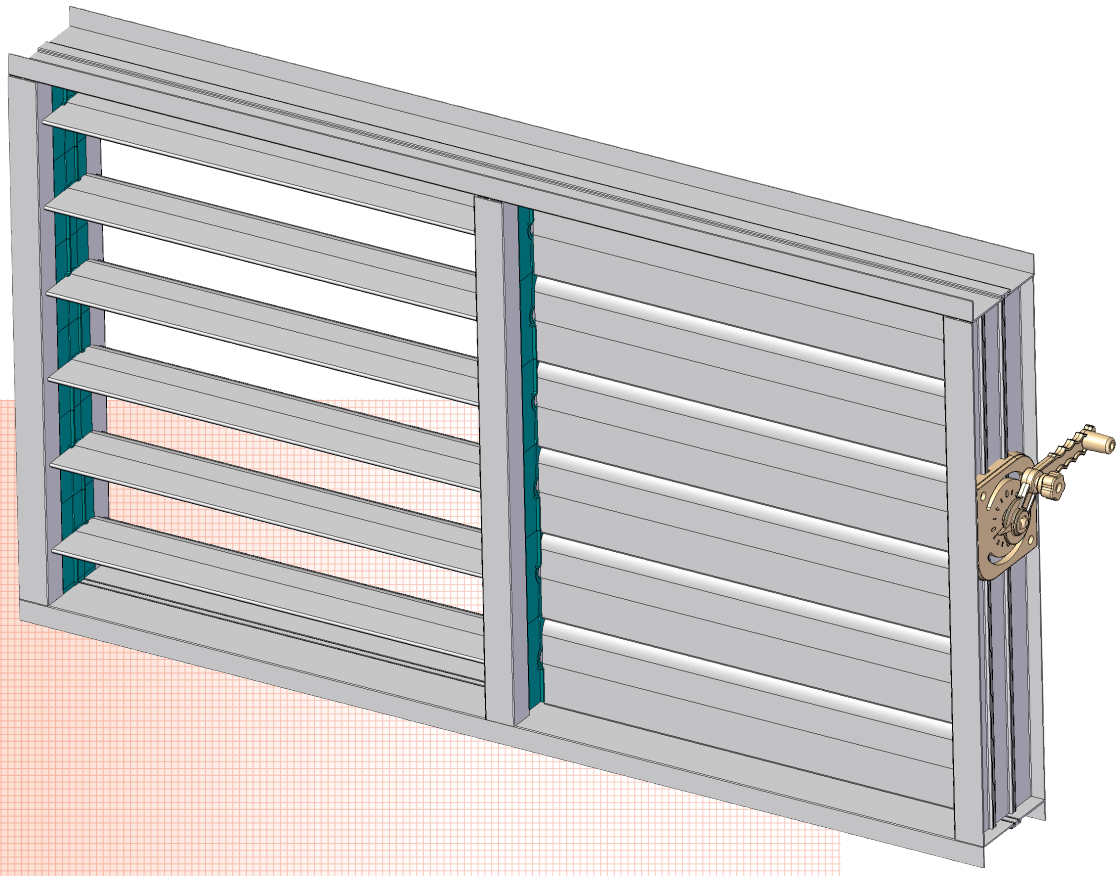
Aluminium overpressure and airflow regulation dampers.

Volets an alu pour la régulation et l'éxpulsion de l'air.

Compuertas de sobrepresión y de regulación de aire en aluminio.

Aluminiumdämpfer.

铝闸。



Sezione
Section
Section
Sección
Teil
第07号

07

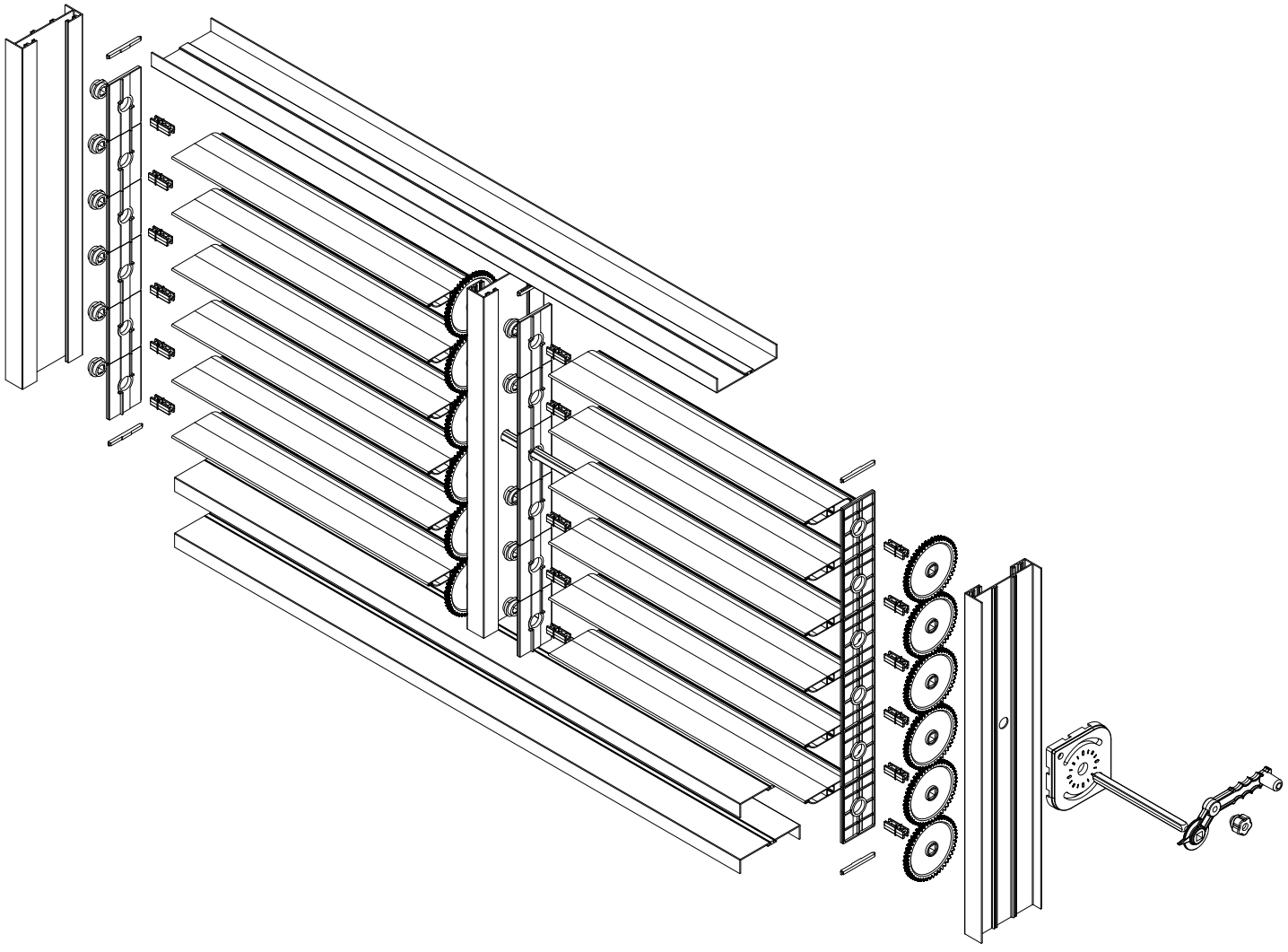
This section deals with positive air pressure dampers and single/double dampers.

The overpressure damper has a solid aluminium frame that it assembled by connecting the profiles to die-cast aluminium corners, meanwhile the nylon spacers determine the blade position. This system is quick to assemble and avoid any kind of drilling thanks to nylon spacers that determine the position of the blades. The blades shape work as a barrier itself that always let the inner side completely separated from the outer one and the water is always kept outside the unit.

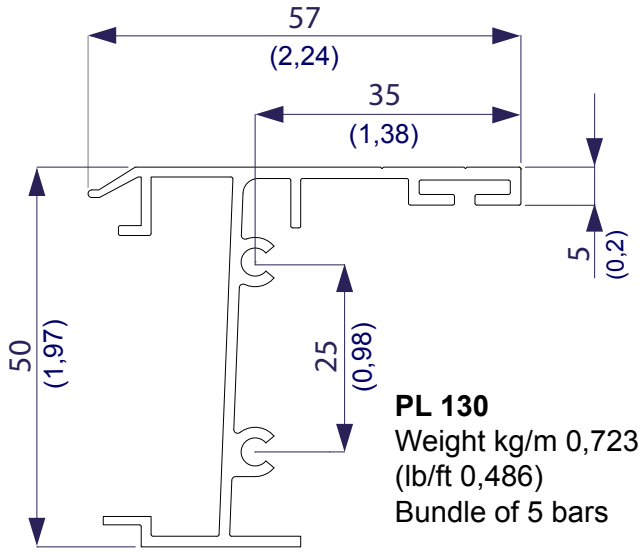
The 100 mm and 50 mm pitch damper is entirely made of aluminium profiles with nylon accessories reinforced in fiberglass.
The predominant characteristic is the assembly method which is extremely simple and fast. The blades of this damper are controlled by nylon gears that are spaced out by a nylon spacer. This means that the damper's frame does not need drilling to make holes for the blades' pins because distance and position are automatically determined by nylon spacers.

This damper is light, as it is made of aluminium, and yet extremely strong because or its carefully-engineered design.
Double dampers can be equipped with intermediate support profiles in order to give more strenght to the whole structure. The dampers can also be assembled with a closed side and an open side when two different airflows are required.
These dampers can be controlled by hand with an aluminium/galvanized steel/nylon handle or by electrical motor with aluminium pin.
The damper's tightness is enhanced by gaskets inserted in the blades and gaskets inserted in the frame.

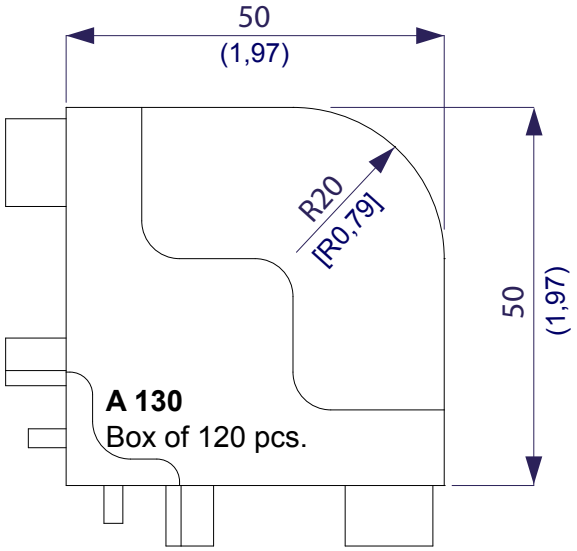
This section contains assembly instruction for the damper together with a table for calculating optimum weight to size ratio for dampers of standard dimensions.



Profiles and accessories for positive air pressure damper



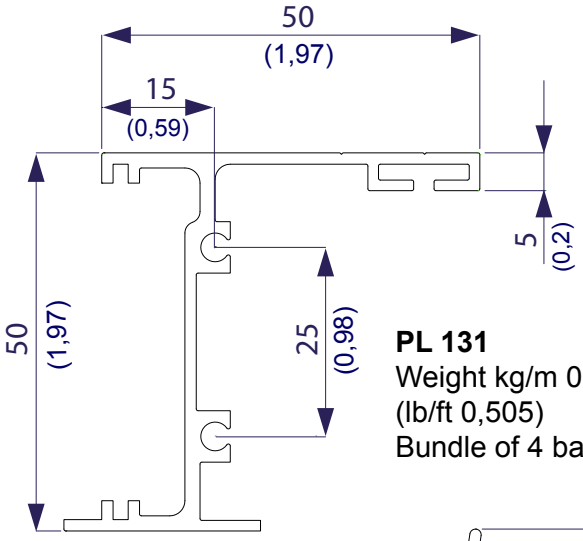
PL 130
Weight kg/m 0,723
(lb/ft 0,486)
Bundle of 5 bars



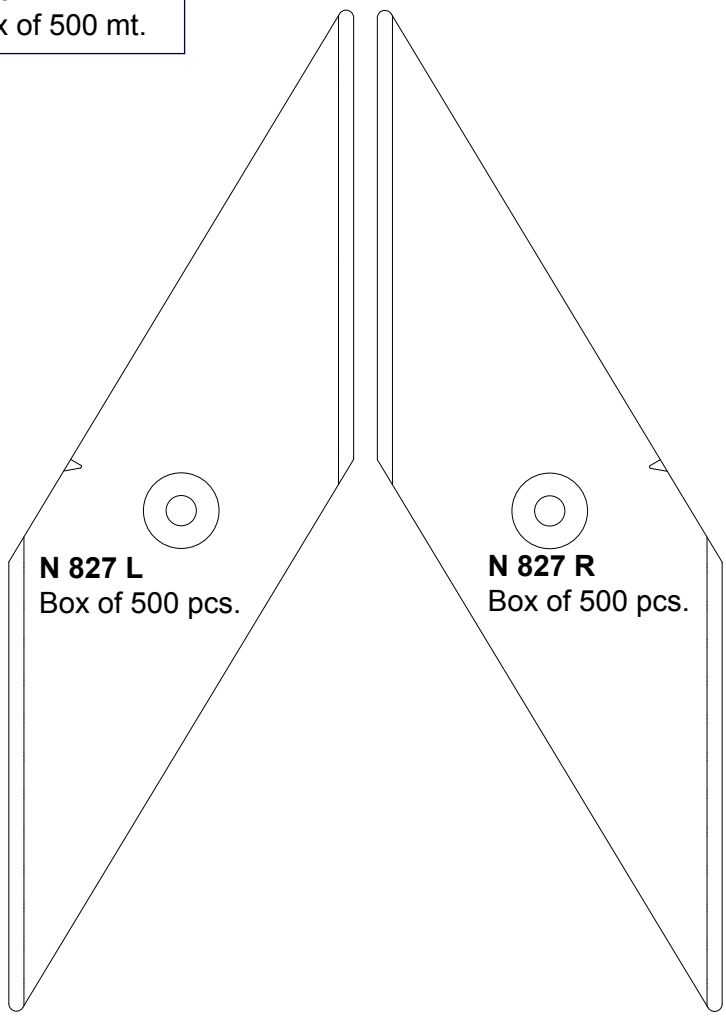
A 130
Box of 120 pcs.

GASKET

G001
Box of 500 mt.

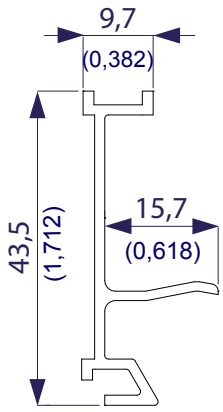


PL 131
Weight kg/m 0,751
(lb/ft 0,505)
Bundle of 4 bars

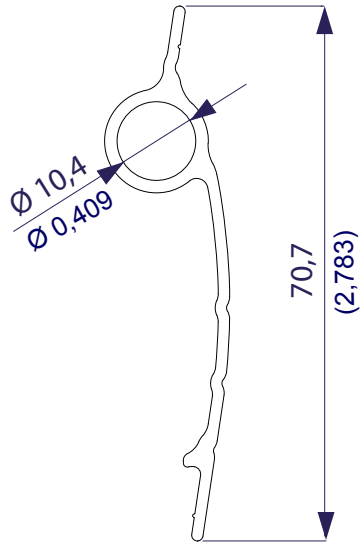


N 827 L
Box of 500 pcs.

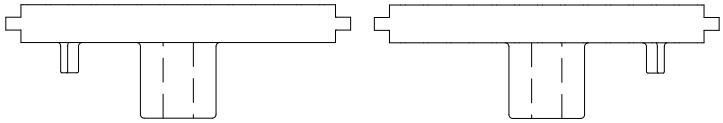
N 827 R
Box of 500 pcs.



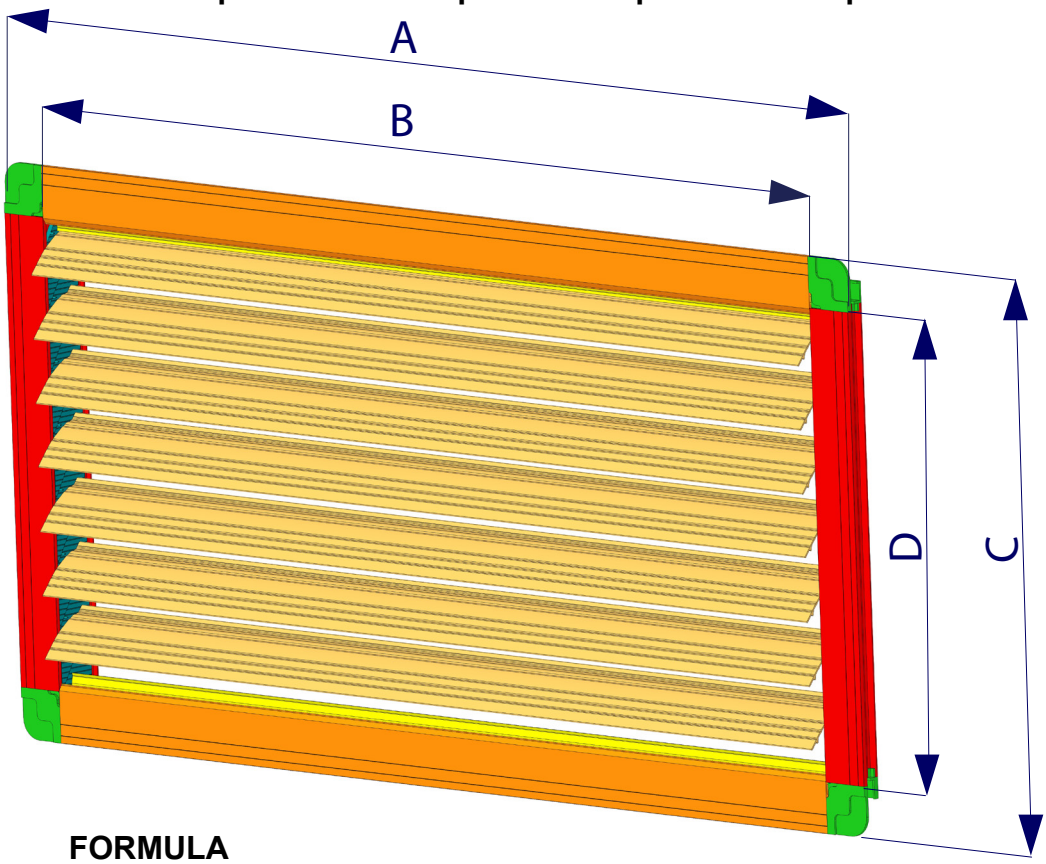
PD 141
Weight kg/m 0,305
(lb/ft 0,205)



PD 140
Weight kg/m 0,465
(lb/ft 0,312)
Bundle of 4 bars



3D representation of positive air pressure damper

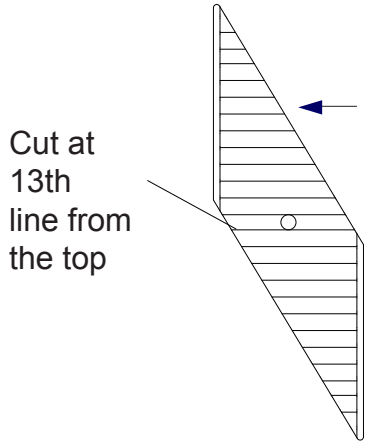


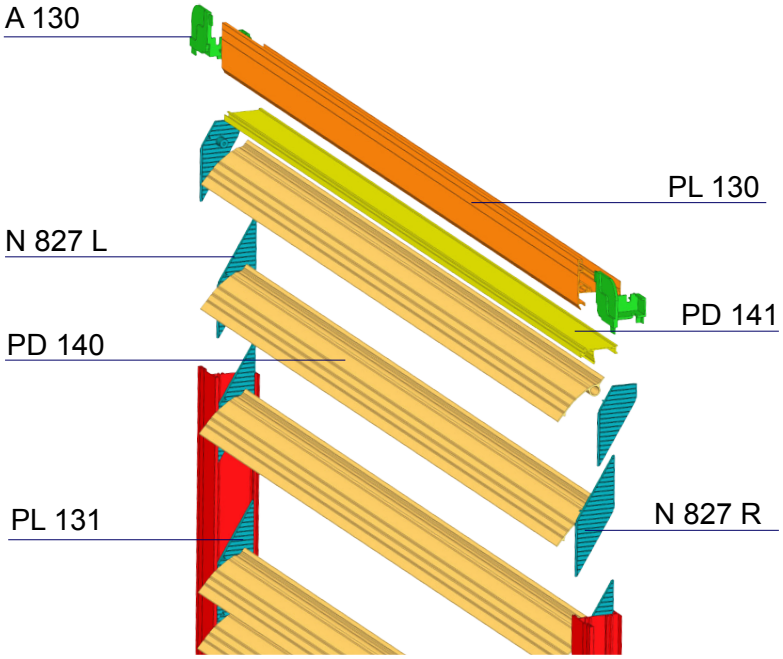
FORMULA

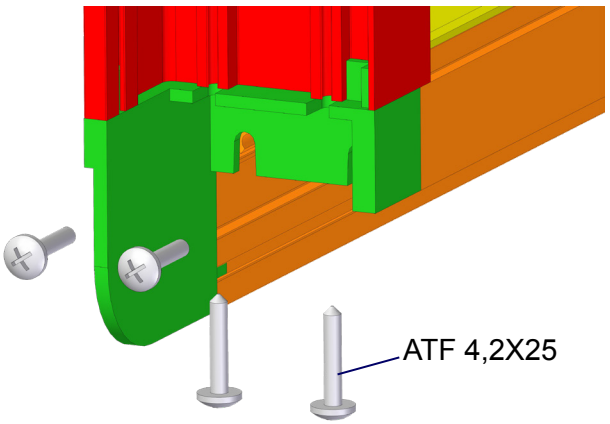
B (PL 130 / PD 141) = A - 100
D (PL 131) = C - 100
Lenght of blades (PD 140) = A - 102
C = [(N° blades - 1) x 62] + 164

DIRECT FORMULA
Lenght of blades = (C - 100) : 62
if decimal result >0,3 add L-profile to avoid clearance

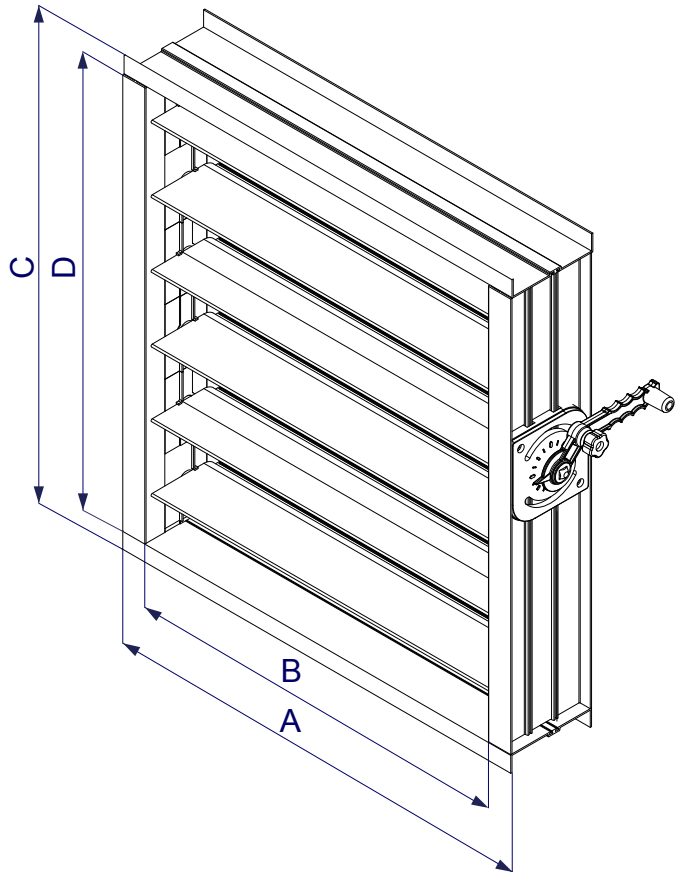
Cut of the spacer N 827 for placing the first blade







3D representation of single damper



FORMULA SINGLE DAMPER

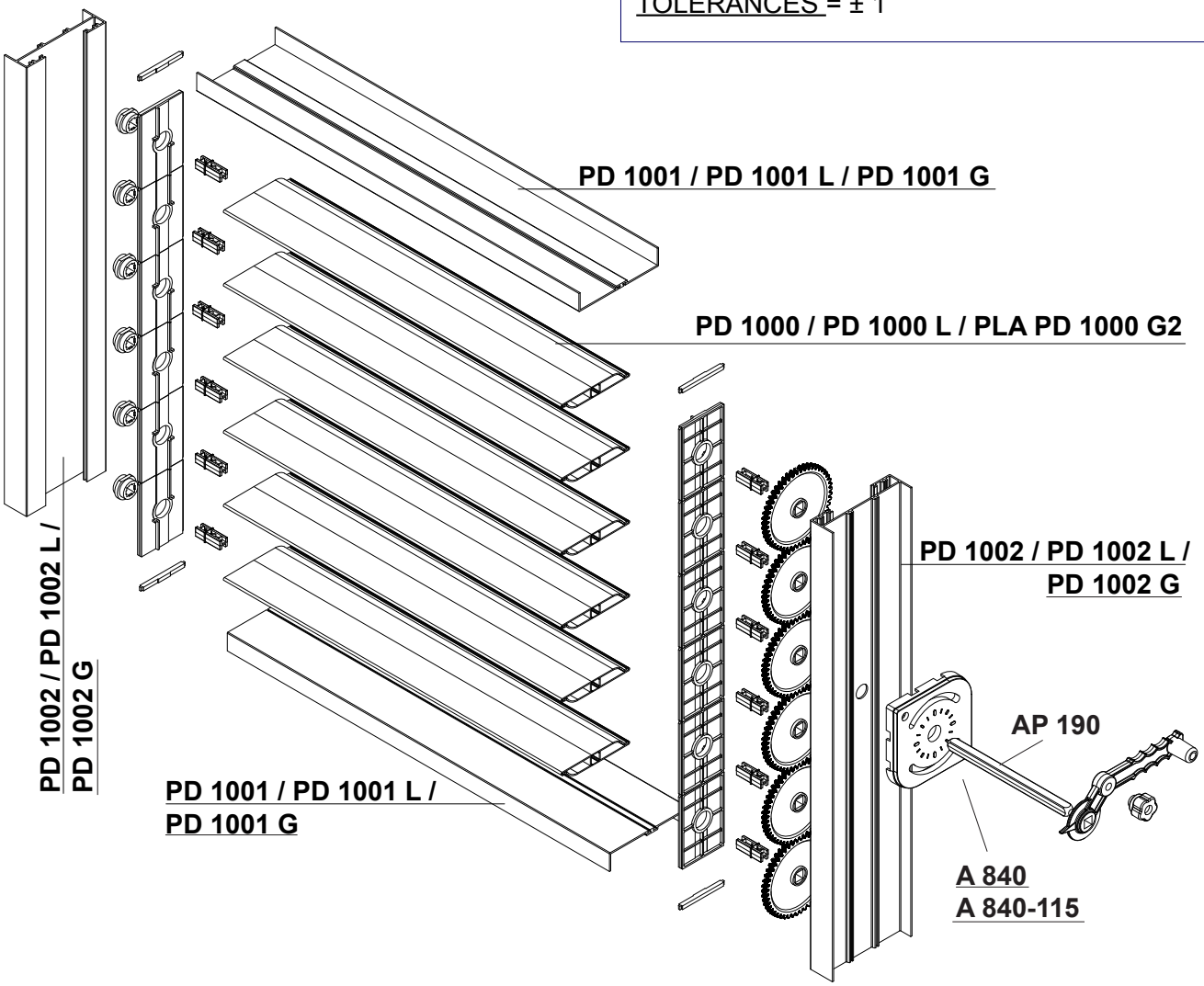
STANDARD
A = B + 70 mm
Lenght of BLADES = B - 3 mm
Lenght of BLADES NG007 A_B = B - 10,5 mm
C = D + 50 mm
D = See table below

LIGHT
A = B + 60 mm
Lenght of BLADES = B - 3 mm
Lenght of BLADES NG007 A_B = B - 10,5 mm
C = D + 40 mm
D = See table below

REINFORCED
A = B + 60 mm
Lenght of BLADES = B - 3 mm
Lenght of BLADES NG007 A_B = B - 10,5 mm
C = D + 30 mm
D = See table below

DIMENSION FOR PROFILE "D"
L = N° blades x 100 mm + 10 mm +TOLERANCES

TOLERANCES = ± 1



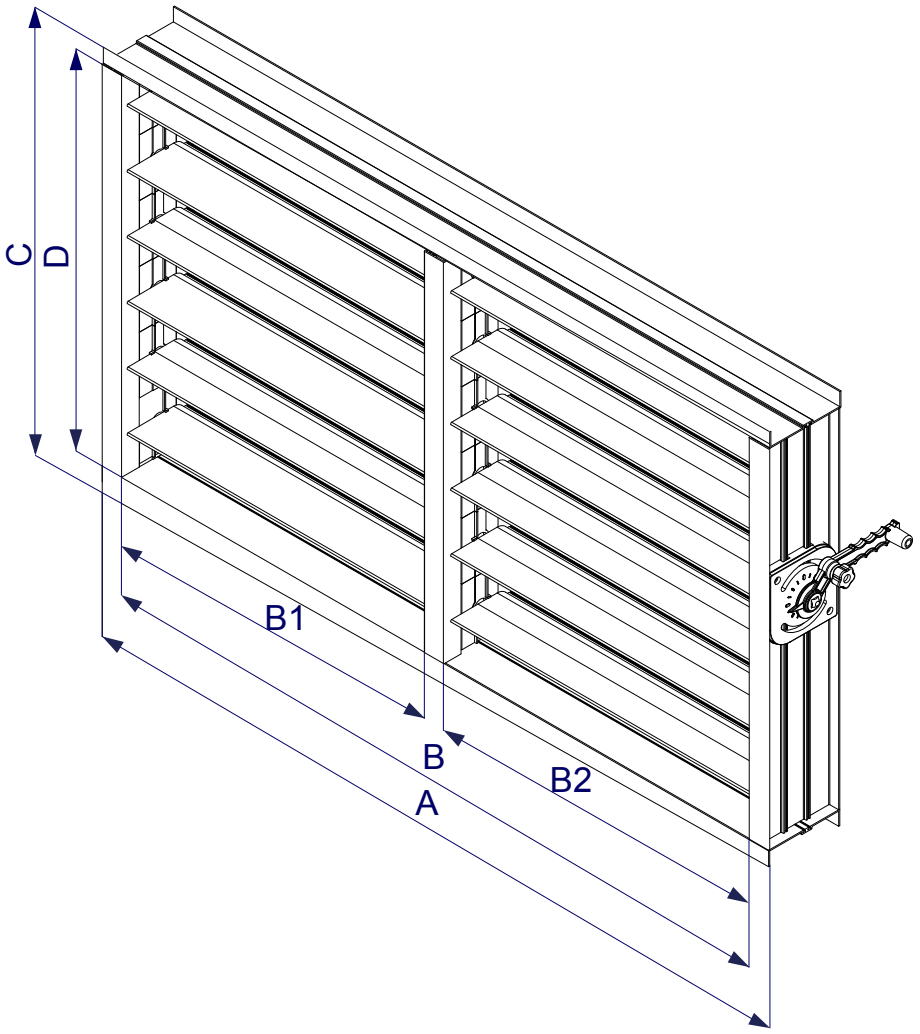
3D representation of double damper

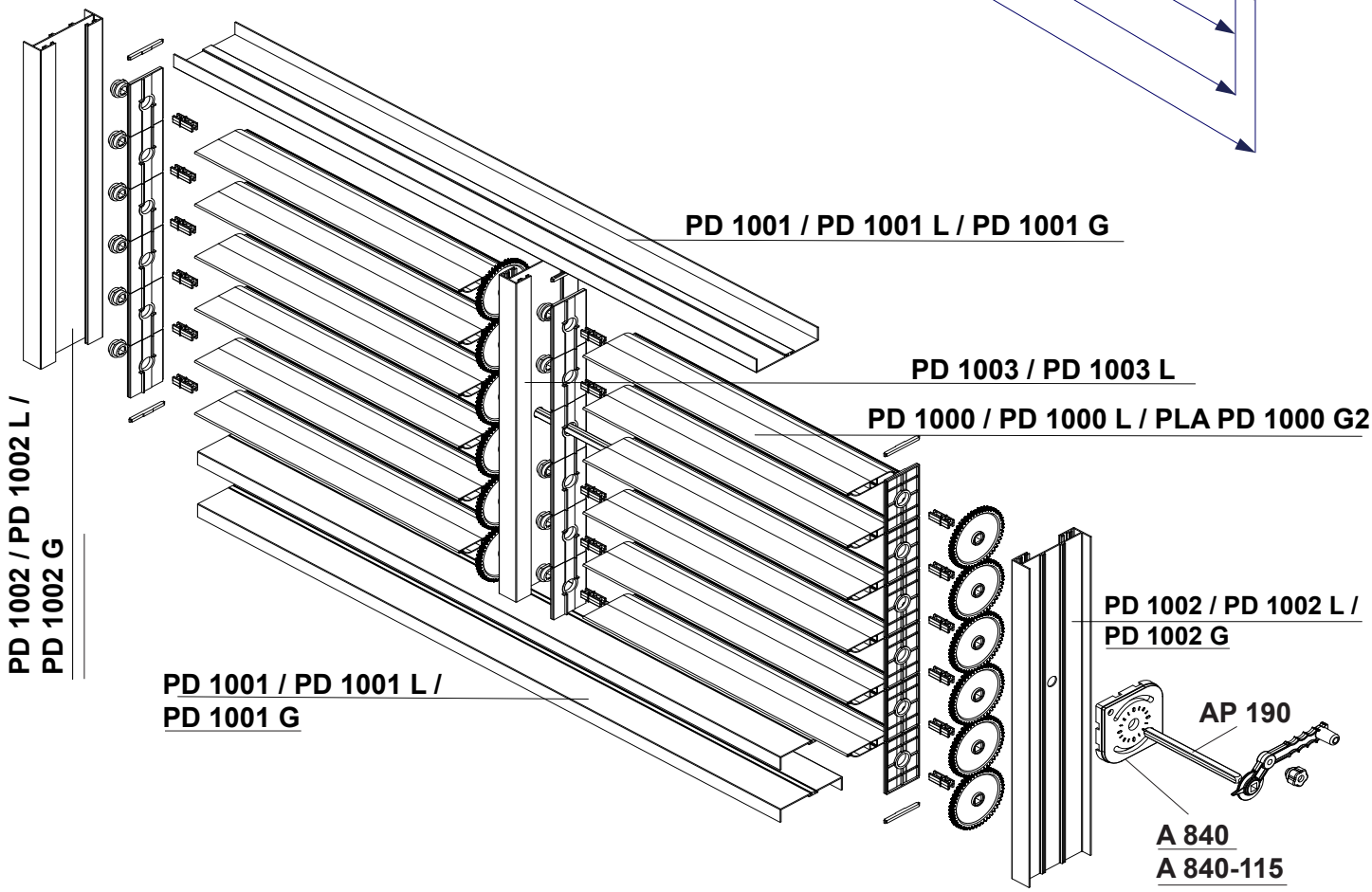
DOUBLE DAMPER FORMULAS

STANDARD
A = B + 70 mm
B1 = B2 = (B-35) / 2
BLADE length = B1 - 3 mm = B2 - 3 mm
BLADE length NG007 A_B = B1 - 10.5 mm
= B2 - 10.5mm
C = D + 50 mm
D = See table on page. 04

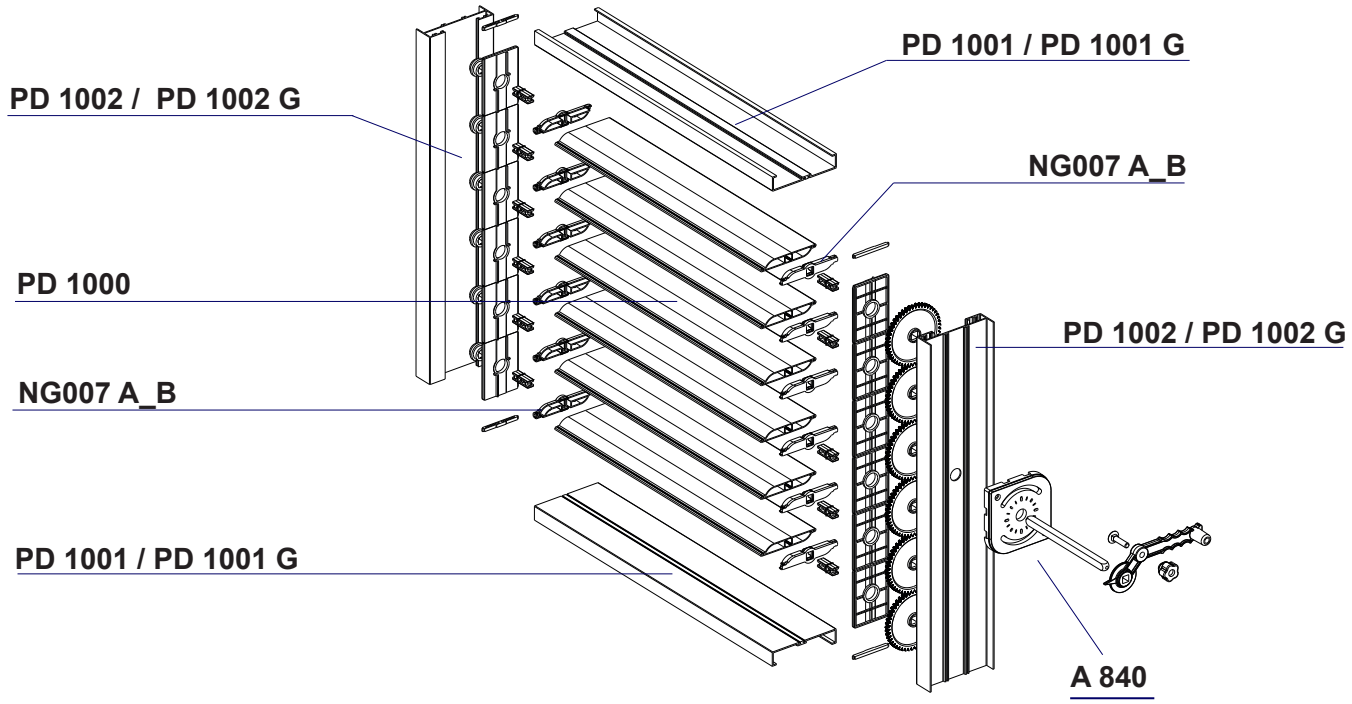
LIGHT
A = B + 60 mm
BLADE length = B - 3 mm
BLADE length NG007 A_B = B1 - 10.5 mm
= B2 - 10.5mm
C = D + 40 mm
D = See table on page. 04

REINFORCED
A = B + 60 mm
BLADE length = B1 - 3 mm = B2 - 3 mm
BLADE length NG007 A_B = B1 - 10.5 mm
= B2 - 10.5mm
C = D + 30 mm
D = See table on page. 04

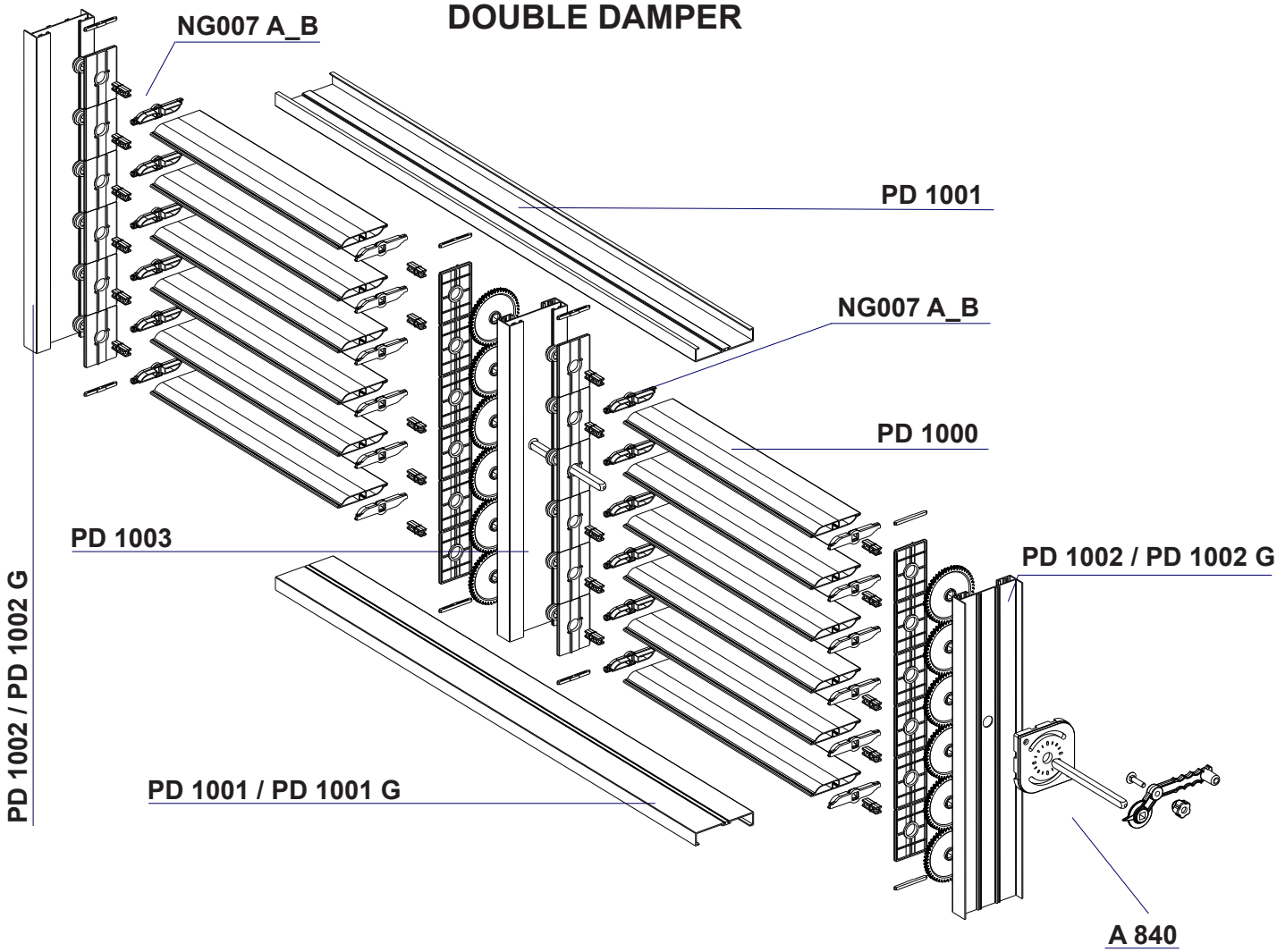


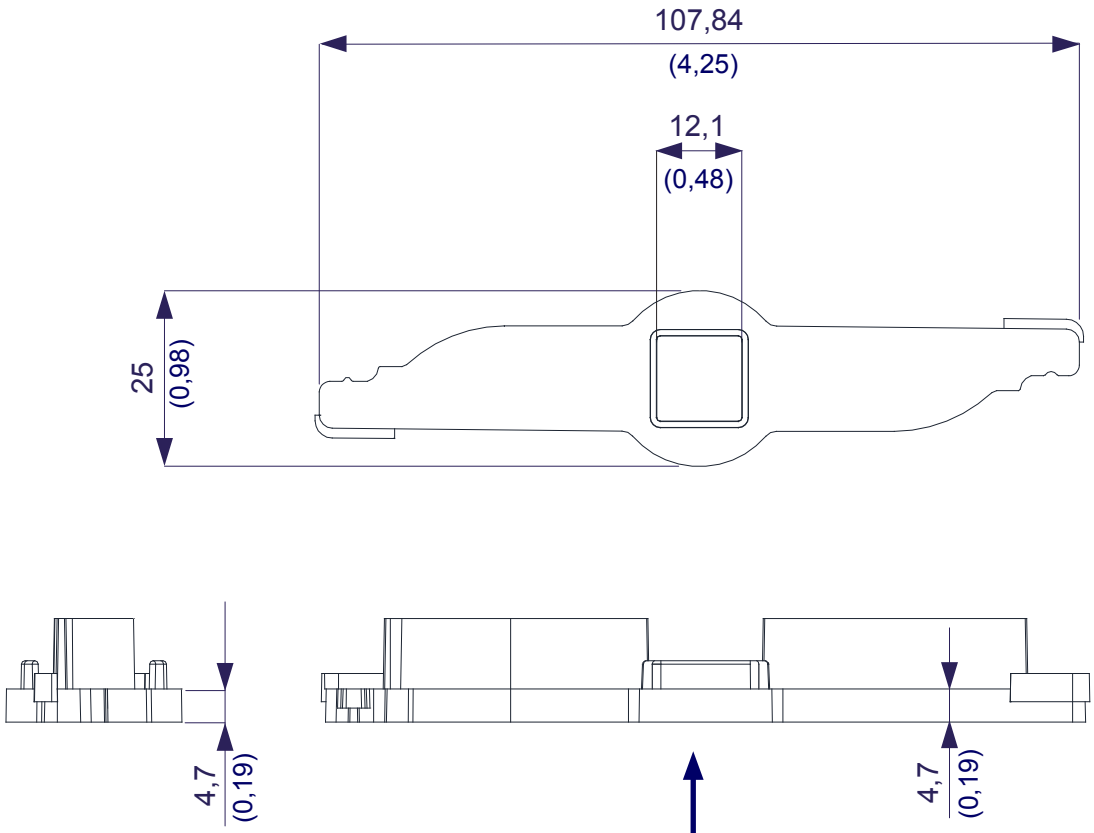


SINGLE DAMPER



DOUBLE DAMPER





BLADE PLUGS
NG007 A_B
Box of 400 pcs.

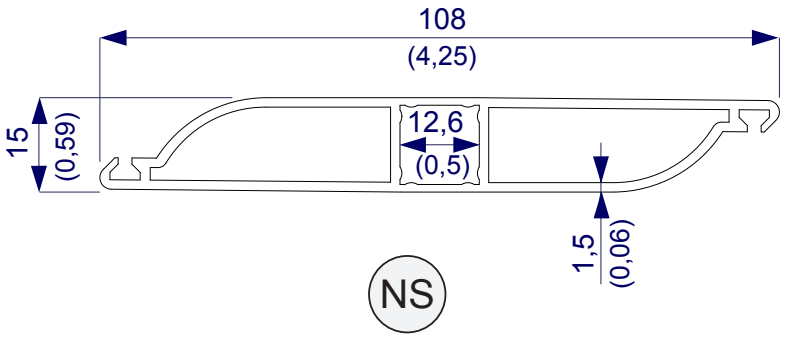
FLOCKED FINISHING

GASKET

G0013
Box of 1000 mt.

STANDARD

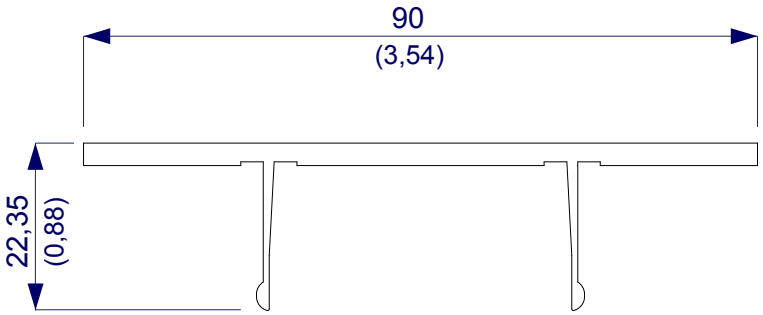
PD 1000
Weight kg/m 1,013
(lb/ft 0,681)
Bundle of 3 bars

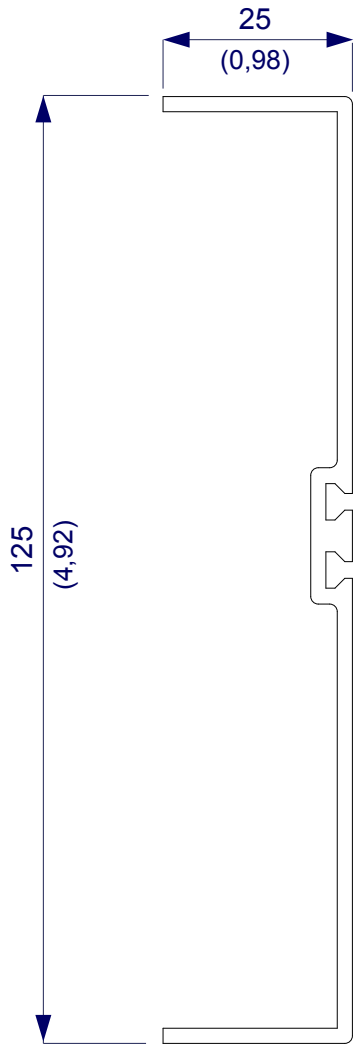


GASKET

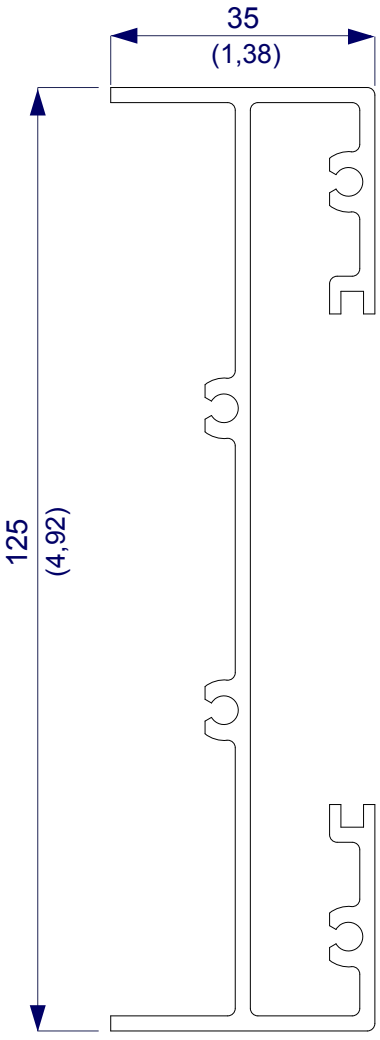
G0012
Box of 500 mt.

PD 1008
Weight kg/mt 0,842
(lb/ft 0,566)
Bundle of 2 bars

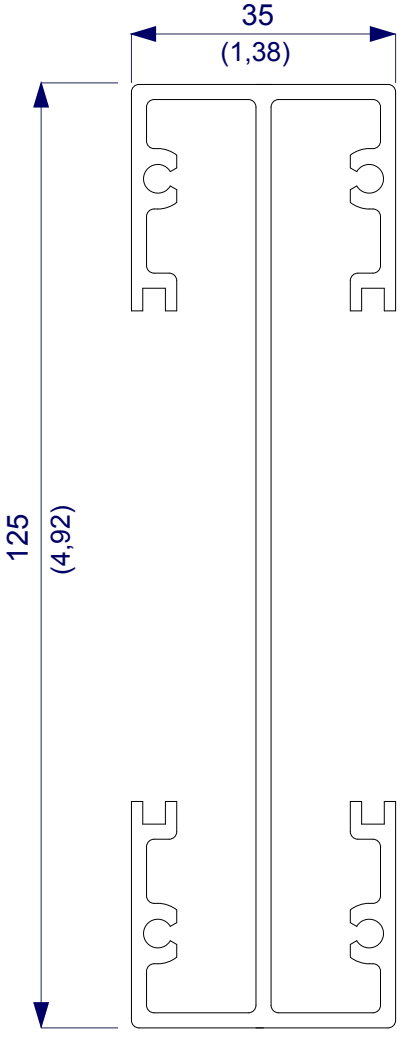




PD 1001
Weight kg/m 1,049
(lb/ft 0,705)
Bundle of 6 bars



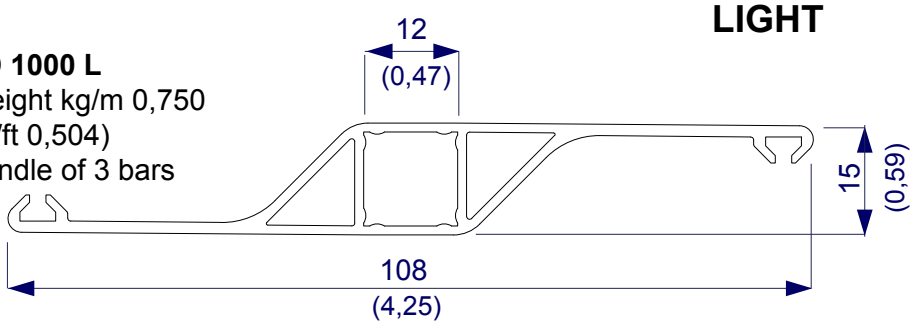
PD 1002
Weight kg/m 1,625
(lb/ft 1,092)
Bundle of 4 bars



PD 1003
Weight kg/m 1,994
(lb/ft 1,340)
Bundle of 3 bars

LIGHT

PD 1000 L
Weight kg/m 0,750
(lb/ft 0,504)
Bundle of 3 bars



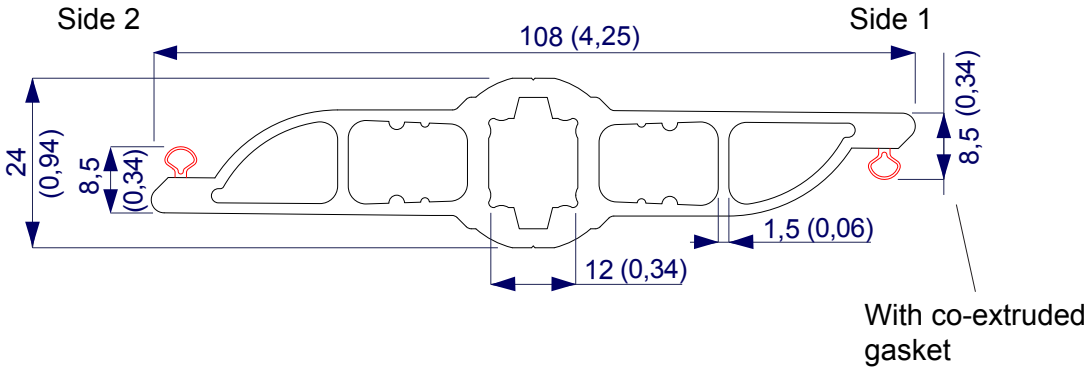
GASKET

G0012
Box of 500 mt.

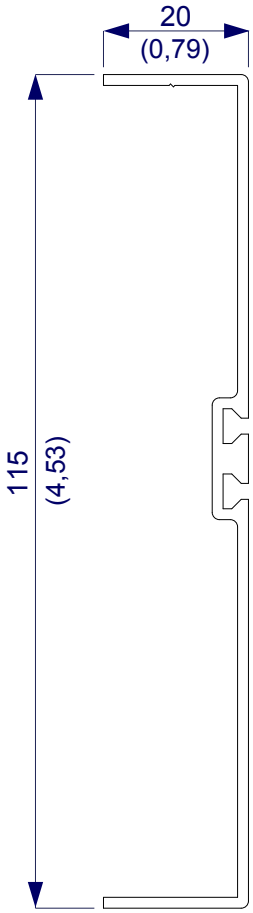
PLA PD 1000 G2
with gaskets on both sides
Weight kg/m 0,752
(lb/ft 0,505)
Bundle of 3 bars

PLA PD 1000 G1
with gasket on side 1
Weight kg/m 0,752
(lb/ft 0,505)
Bundle of 3 bars

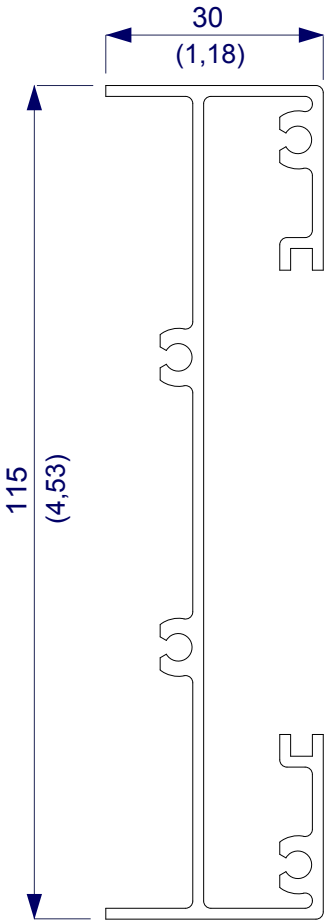
PLA PD 1000 G0
without gasket
Weight kg/m 0,752
(lb/ft 0,505)
Bundle of 3 bars



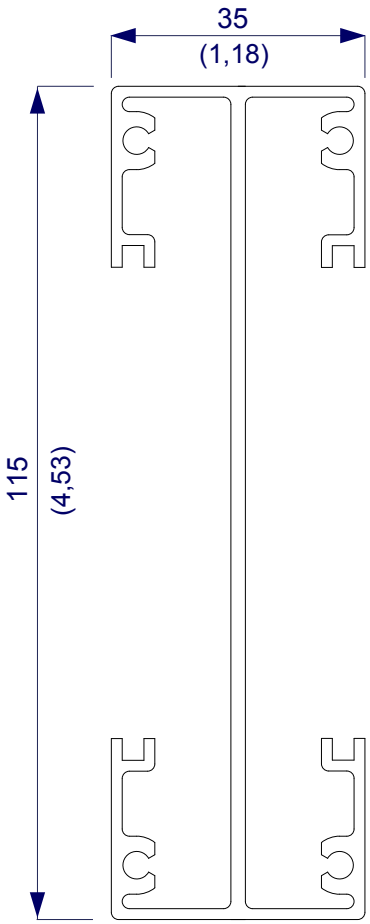
PD 1008
See page 8



PD 1001 L
Weight kg/m 0,717
(lb/ft 0,482)
Bundle of 6 bars



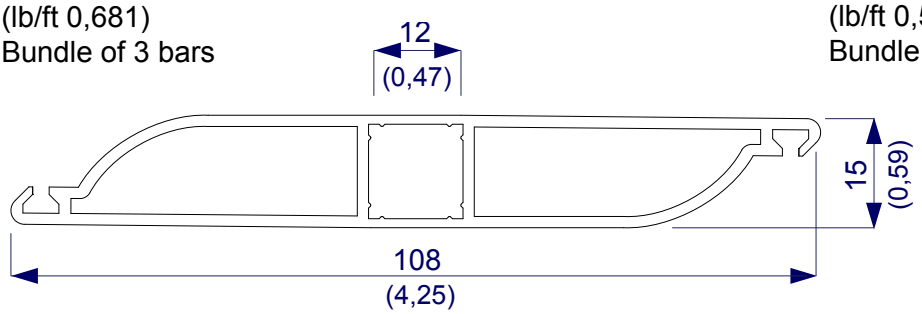
PD 1002 L
Weight kg/m 1,208
(lb/ft 0,812)
Bundle of 4 bars



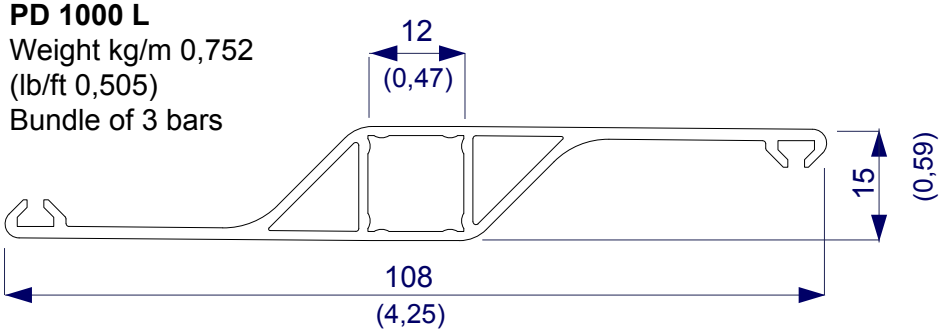
PD 1003 L
Weight kg/m 1,656
(lb/ft 1,113)
Bundle of 3 bars

REINFORCED

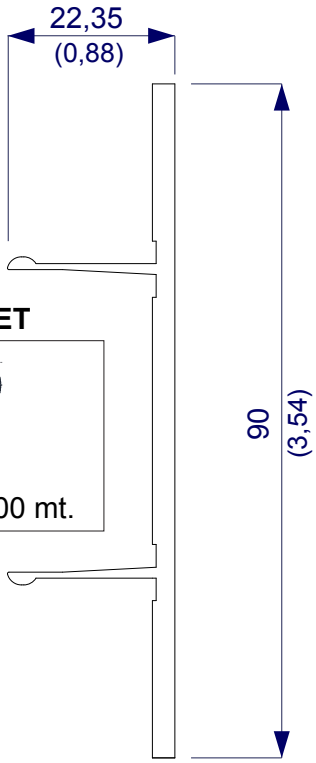
PD 1000
Weight kg/m 1,013
(lb/ft 0,681)
Bundle of 3 bars



PD 1000 L
Weight kg/m 0,752
(lb/ft 0,505)
Bundle of 3 bars

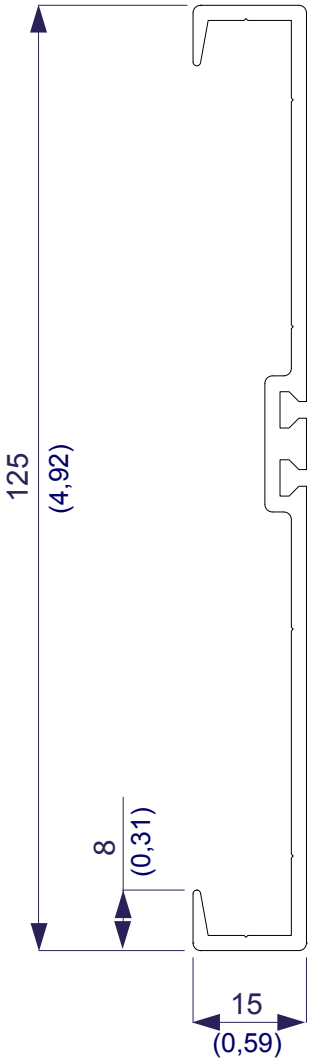


PD 1008
Weight kg/m 0,842
(lb/ft 0,566)
Bundle of 2 bars

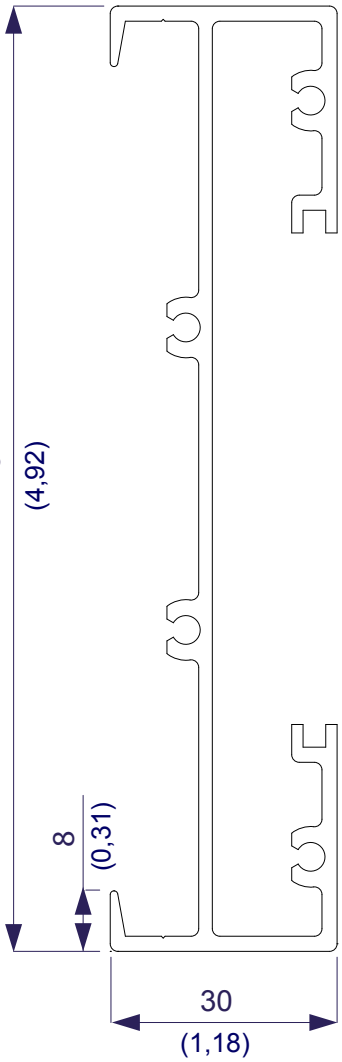


GASKET

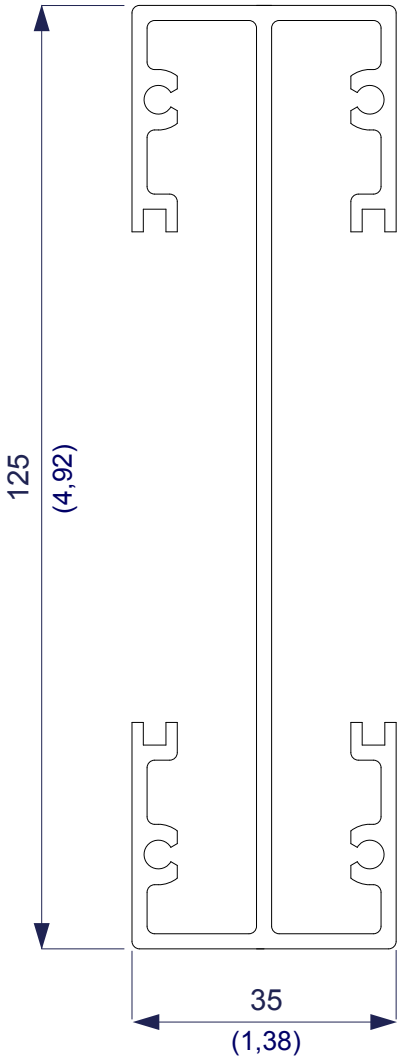
G0012
Box of 500 mt.



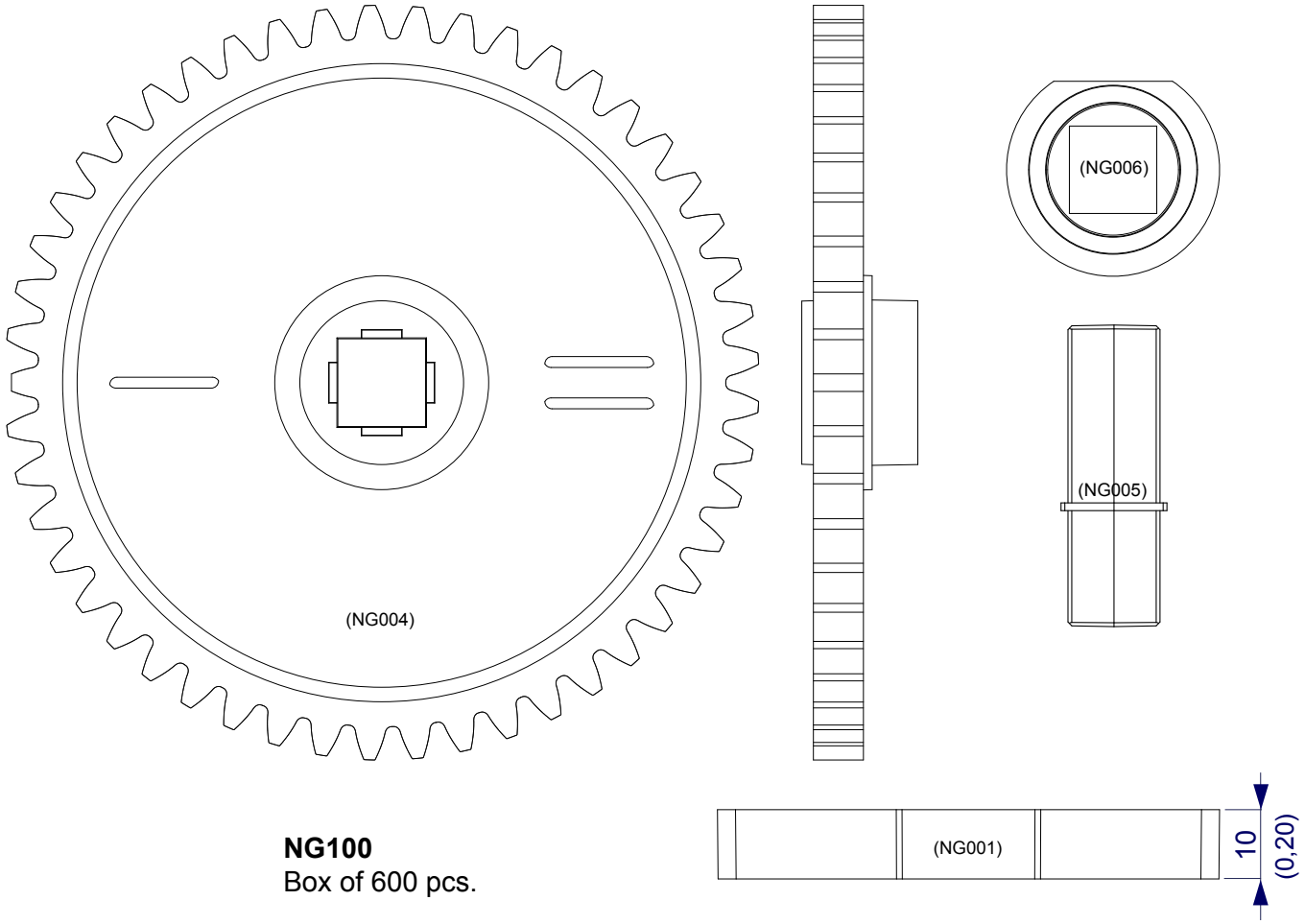
PD 1001 G
Weight kg/m 0,975
(lb/ft 0,655)
Bundle of 6 bars



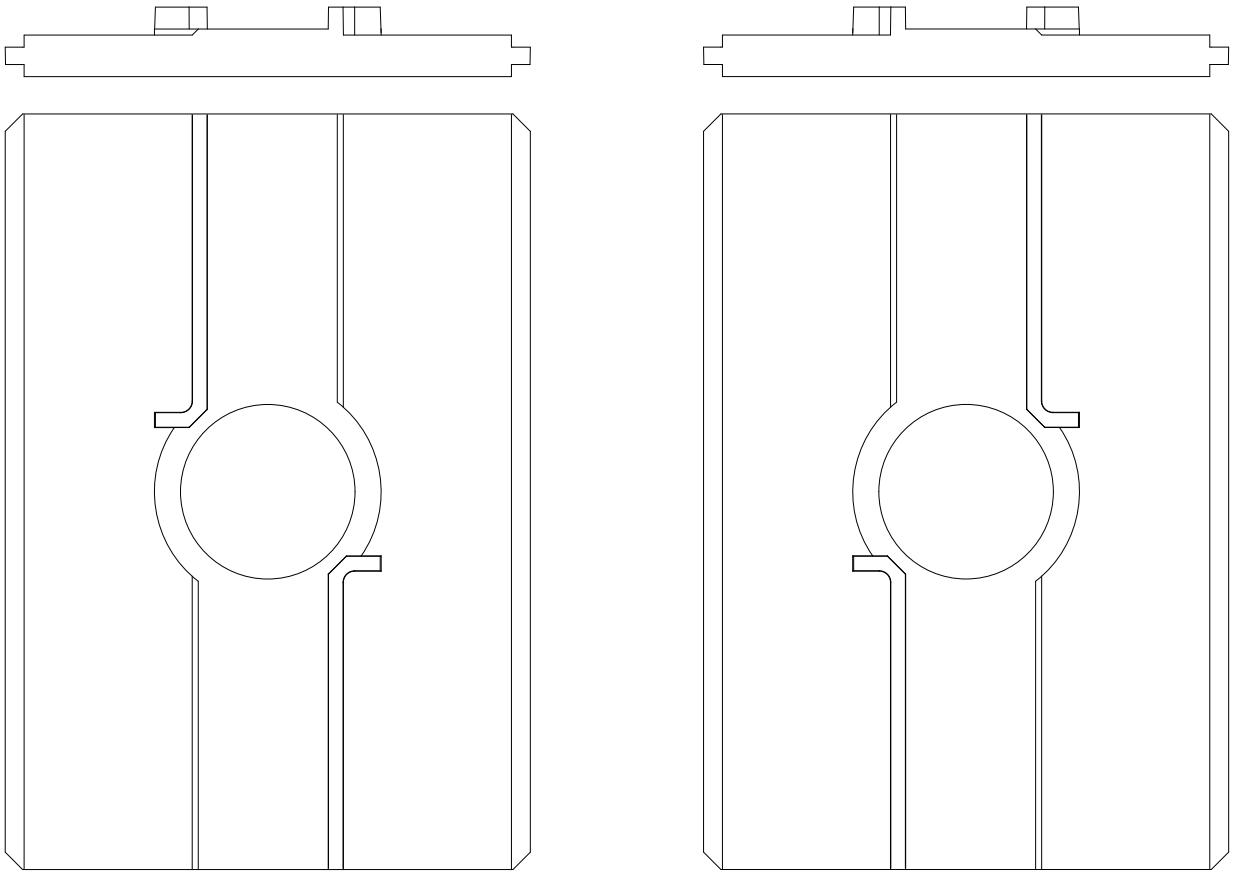
PD 1002 G
Weight kg/m 1,548
(lb/ft 1,040)
Bundle of 4 bars



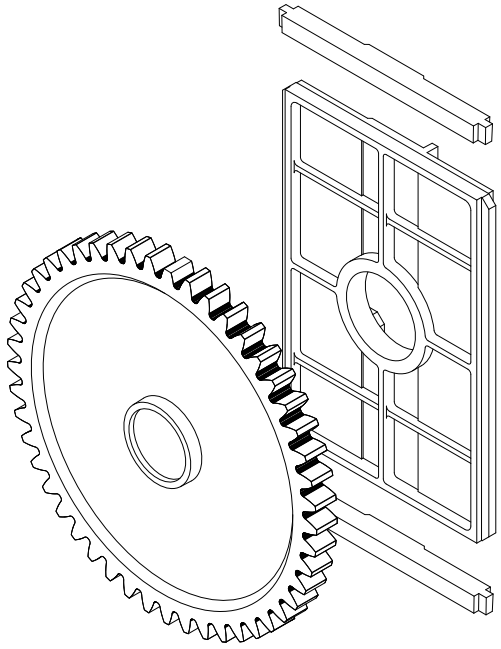
PD 1003
Weight kg/m 1,994
(lb/ft 1,340)
Bundle of 3 bars

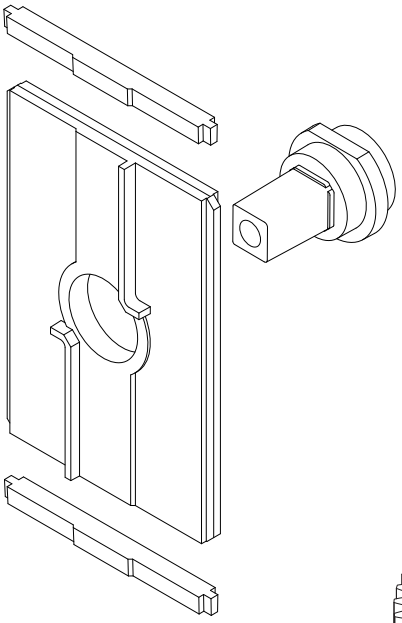


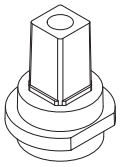
NG100
Box of 600 pcs.



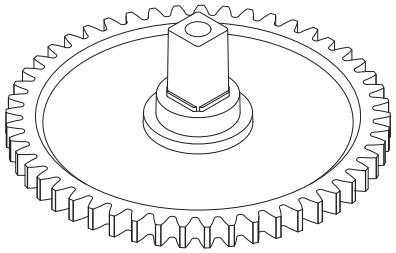
NG100 P
Box of 600 pcs.



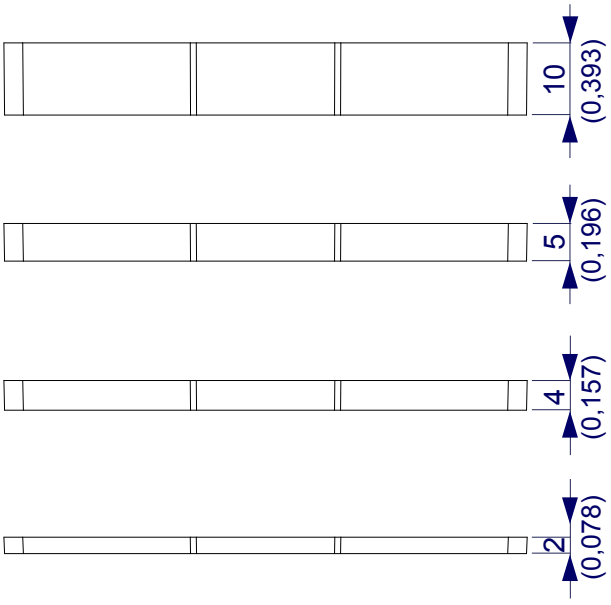




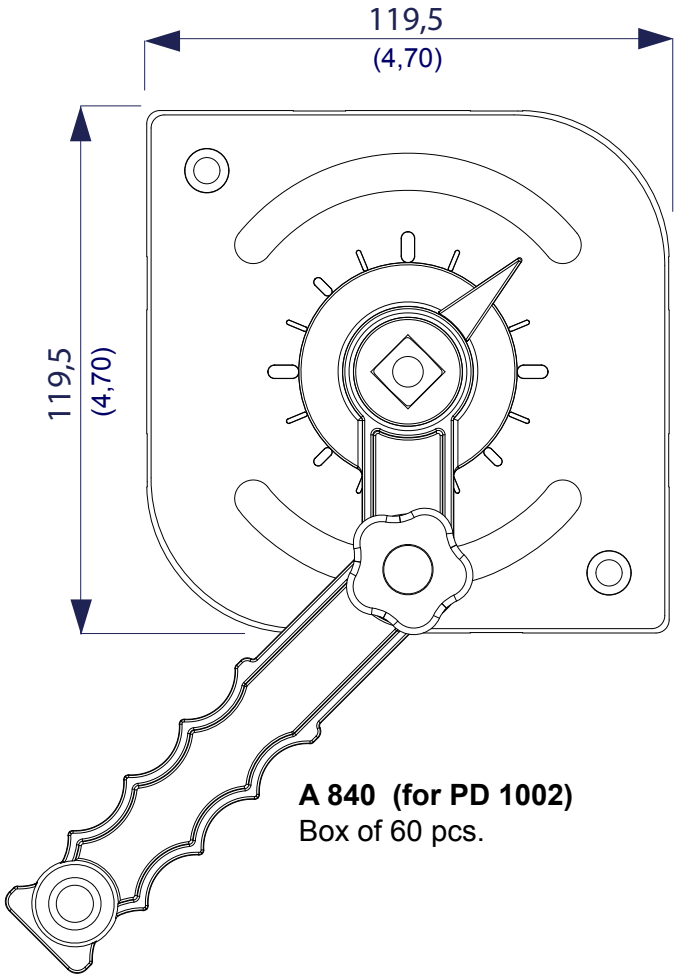
NG006P
Bushing with integrated pin

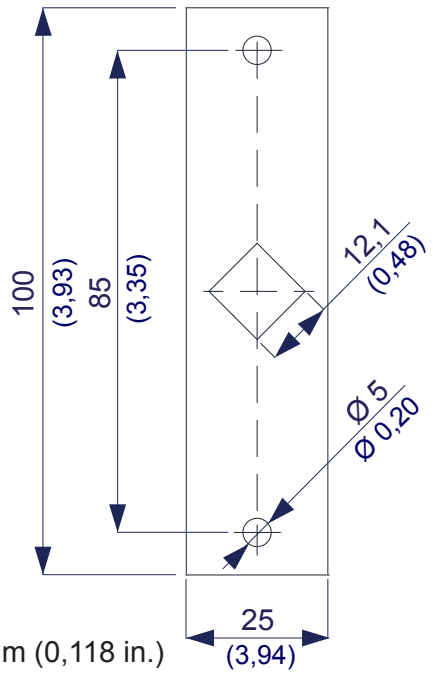


NG004P
Gear with integrated pin



NG001
Available different spacer thickness



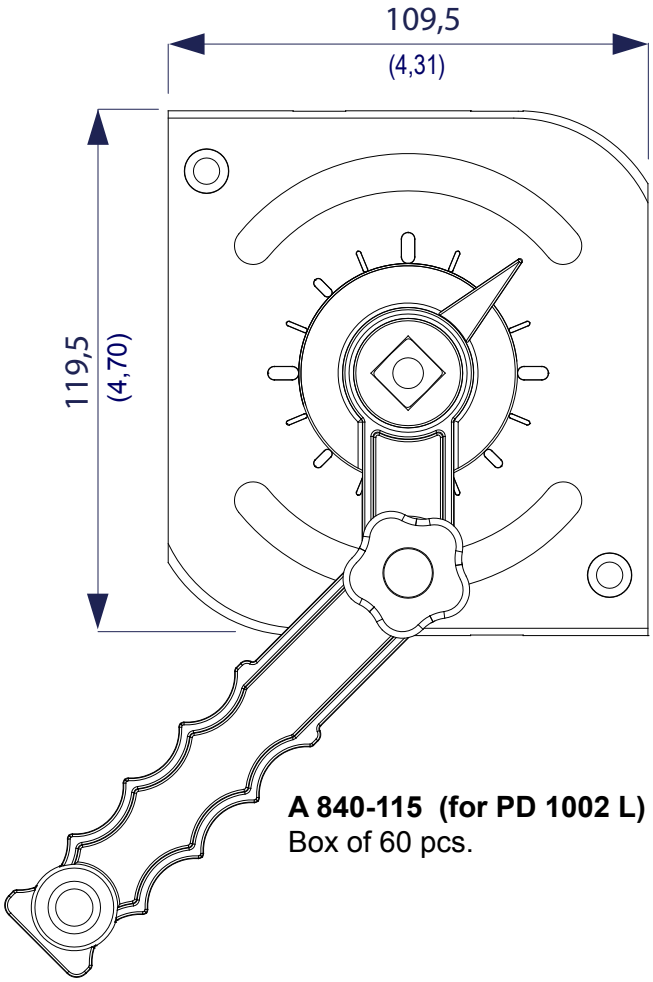


Thickness 3 mm (0,118 in.)

A 840 (for PD 1002)
Box of 60 pcs.

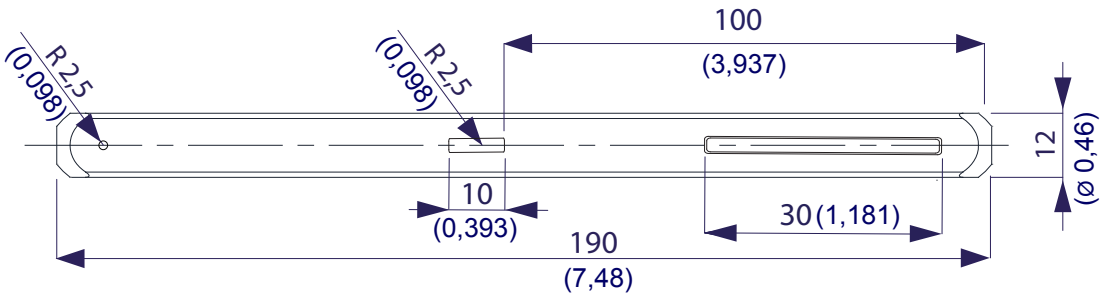
NS

DS-D 100xS12
LEVERISM

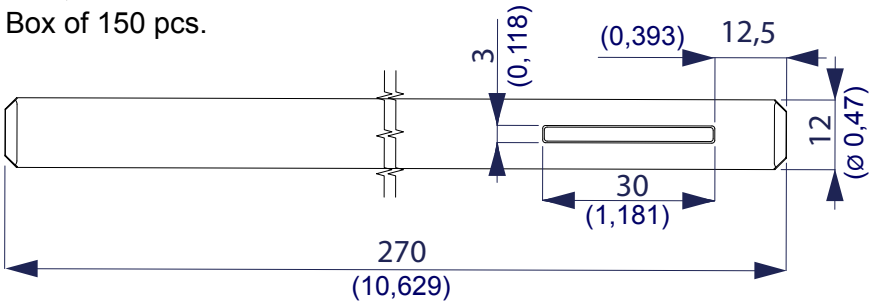


A 840-115 (for PD 1002 L)
Box of 60 pcs.

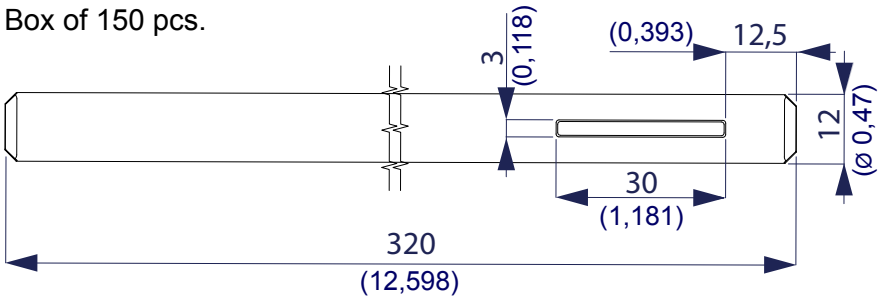
AP 190
Box of 150 pcs.



APQ 270
Box of 150 pcs.

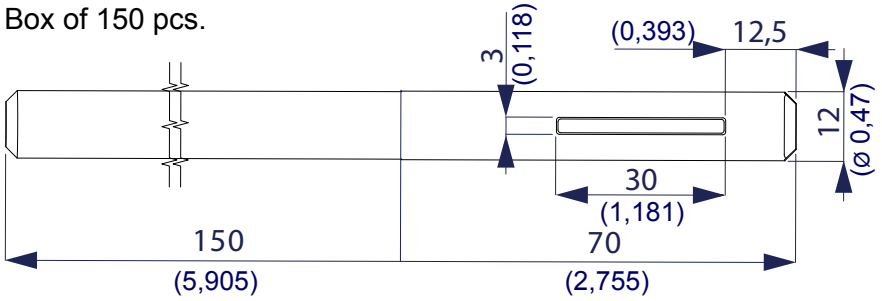


APQ 320
Box of 150 pcs.

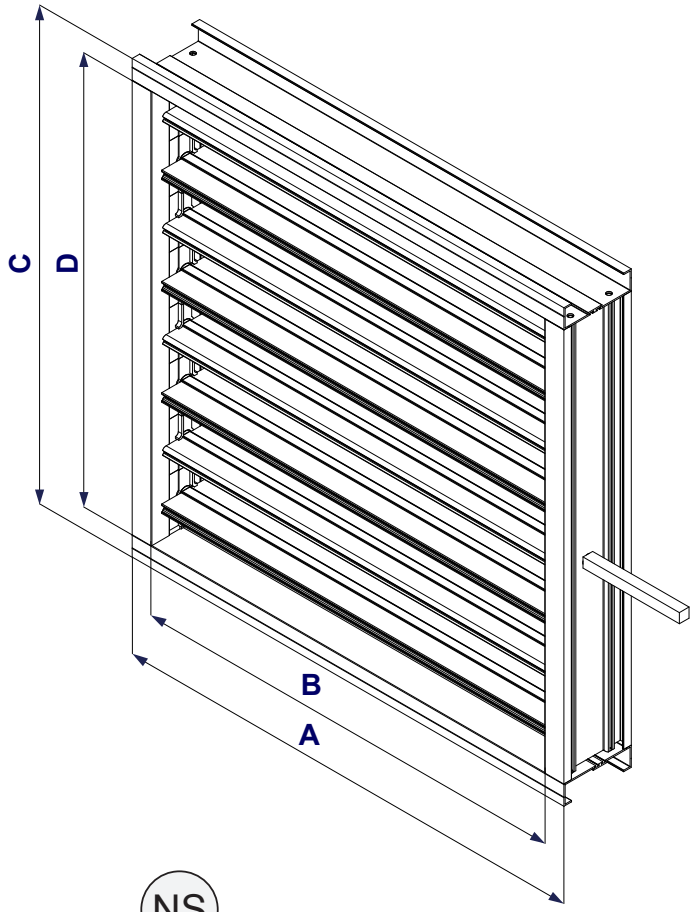


NS

APT 220
Box of 150 pcs.



3D Representation of single damper pitch 50 mm



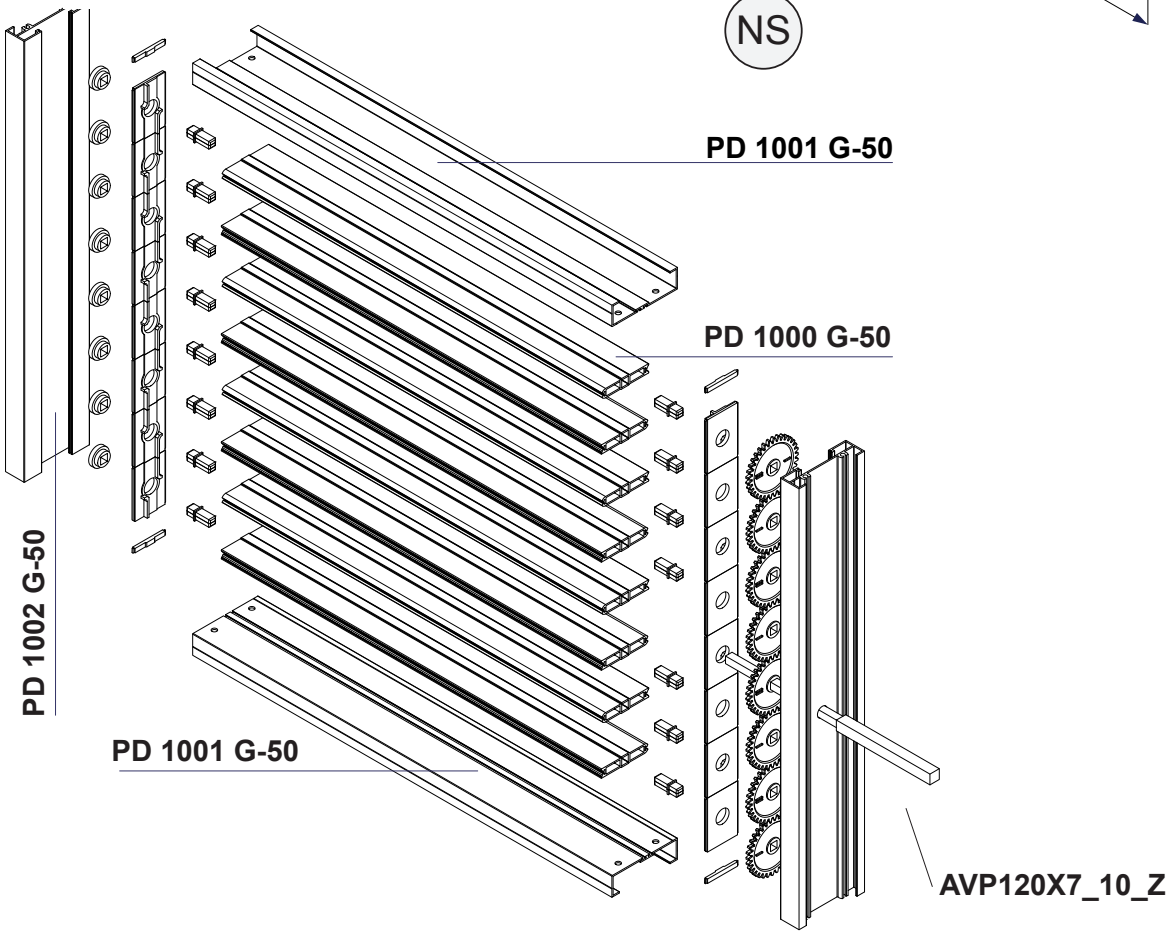
FORMULA PITCH 50 mm

SINGLE DAMPER
A = B + 40 mm
Lenght of BLADES = B - 2 mm
Lenght of BLADES NG007-50 = B - 10,5 mm
C = D + 40 mm
D = See table below

DIMENSION FOR PROFILE "D"
L = N° blades x 50 mm + 8 mm + TOLERANCES

TOLERANCES
from 105 mm to 305 mm = 1 mm
from 305 mm to 705 mm = 1,5 mm
from 705 mm to 1105 mm = 2 mm

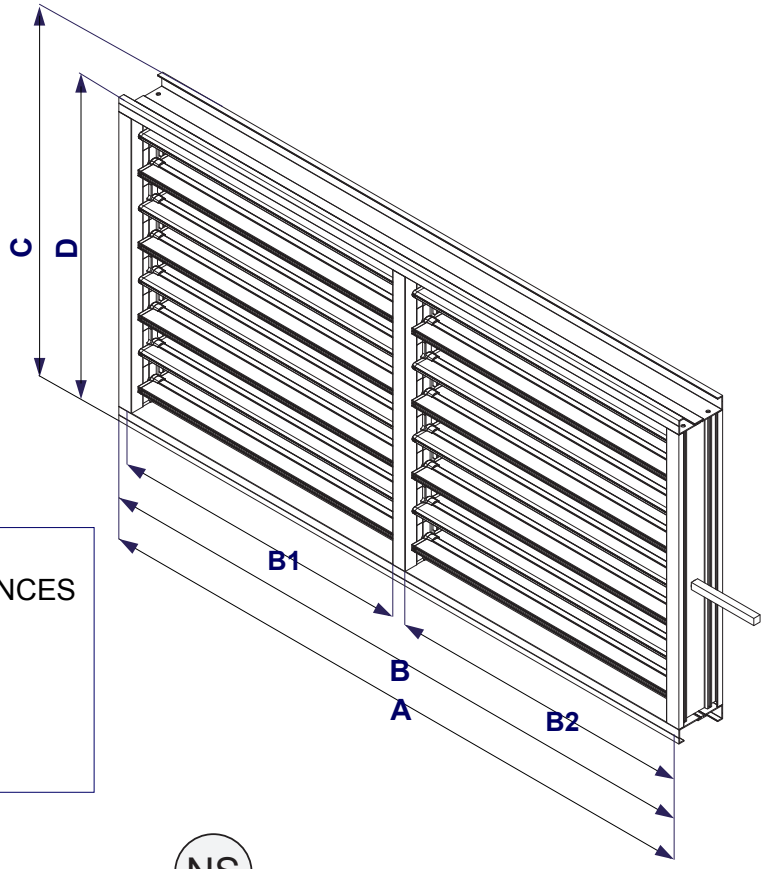
NS



3D Representation of double damper pitch 50 mm CLASS 2

FORMULA PITCH 50 mm

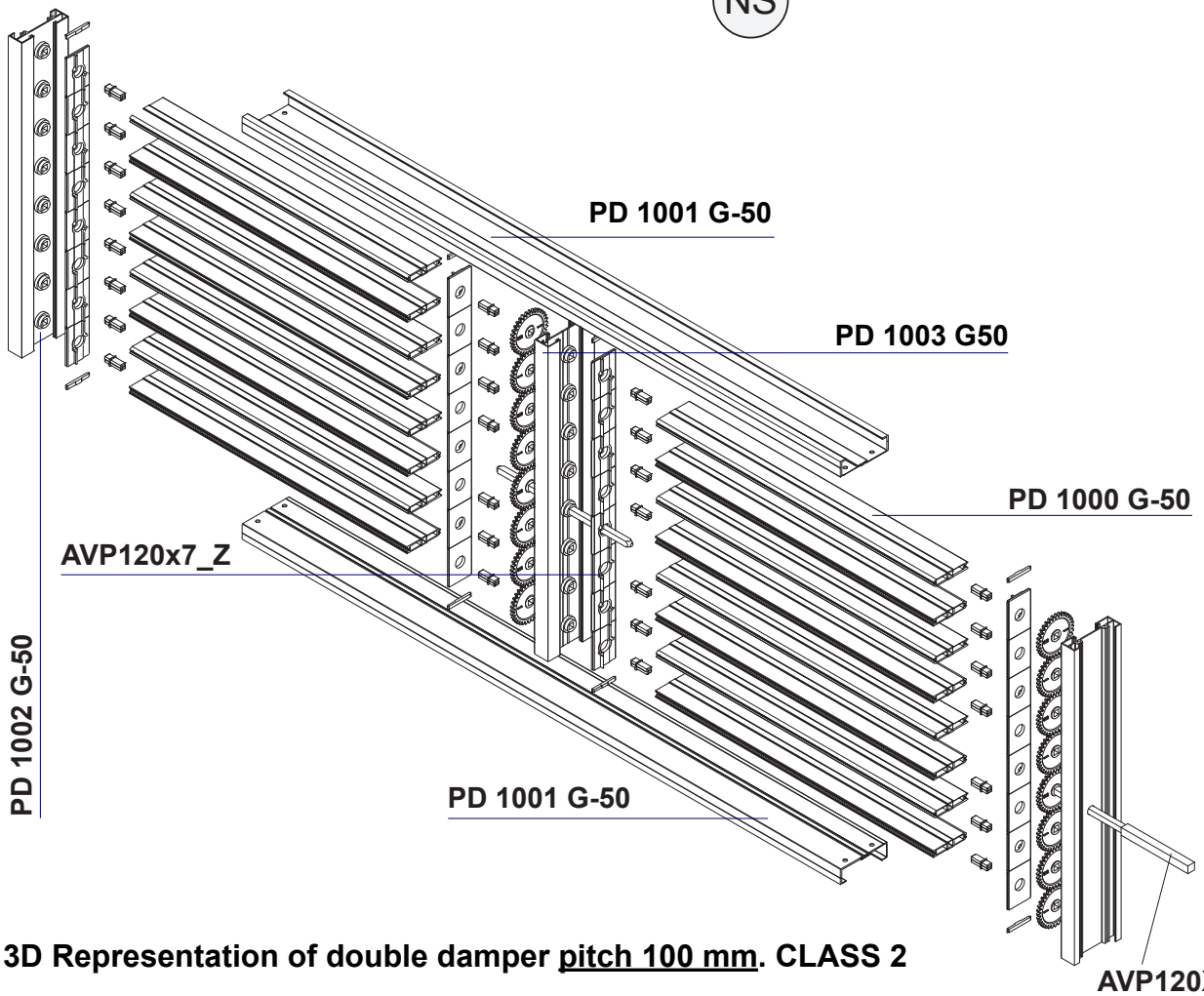
DOUBLE DAMPER
A = B + 40 mm
B1 = B2 = (B - 20 mm)/2
BLADE length = B1 - 2 mm = B2 - 2 mm
BLADE length NG007-50 = B1 - 10.5 mm
= B2 - 10.5mm
C = D + 40 mm
D = see table on page 13



"D" SHOULDER PROFILE SIZING
L = No. of blades x 50 mm + 8 mm + TOLERANCES

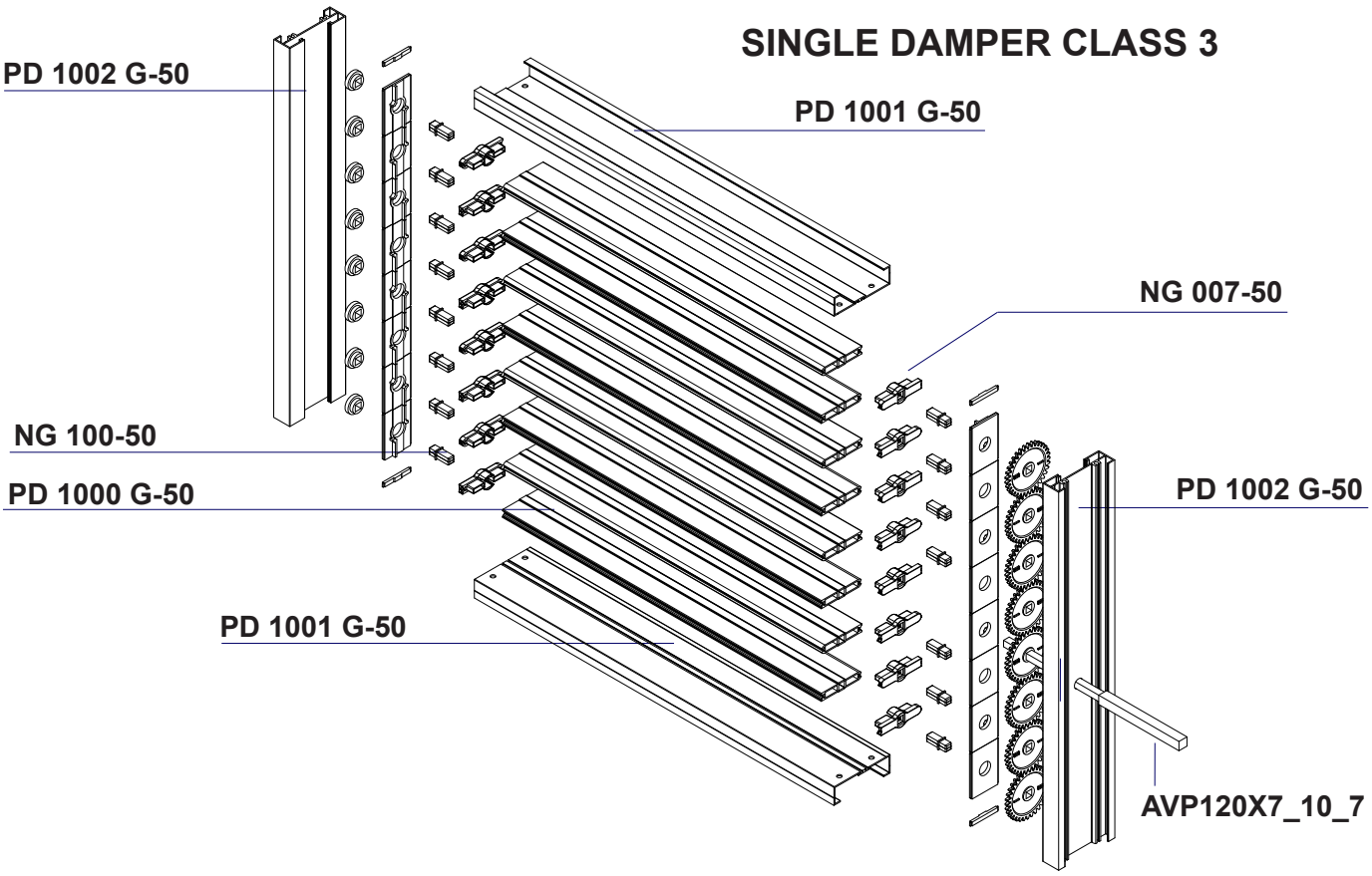
TOLERANCES
from 105 mm to 305 mm = 1 mm
from 305 mm to 705 mm = 1.5 mm
from 705 mm to 1105 mm = 2 mm

NS

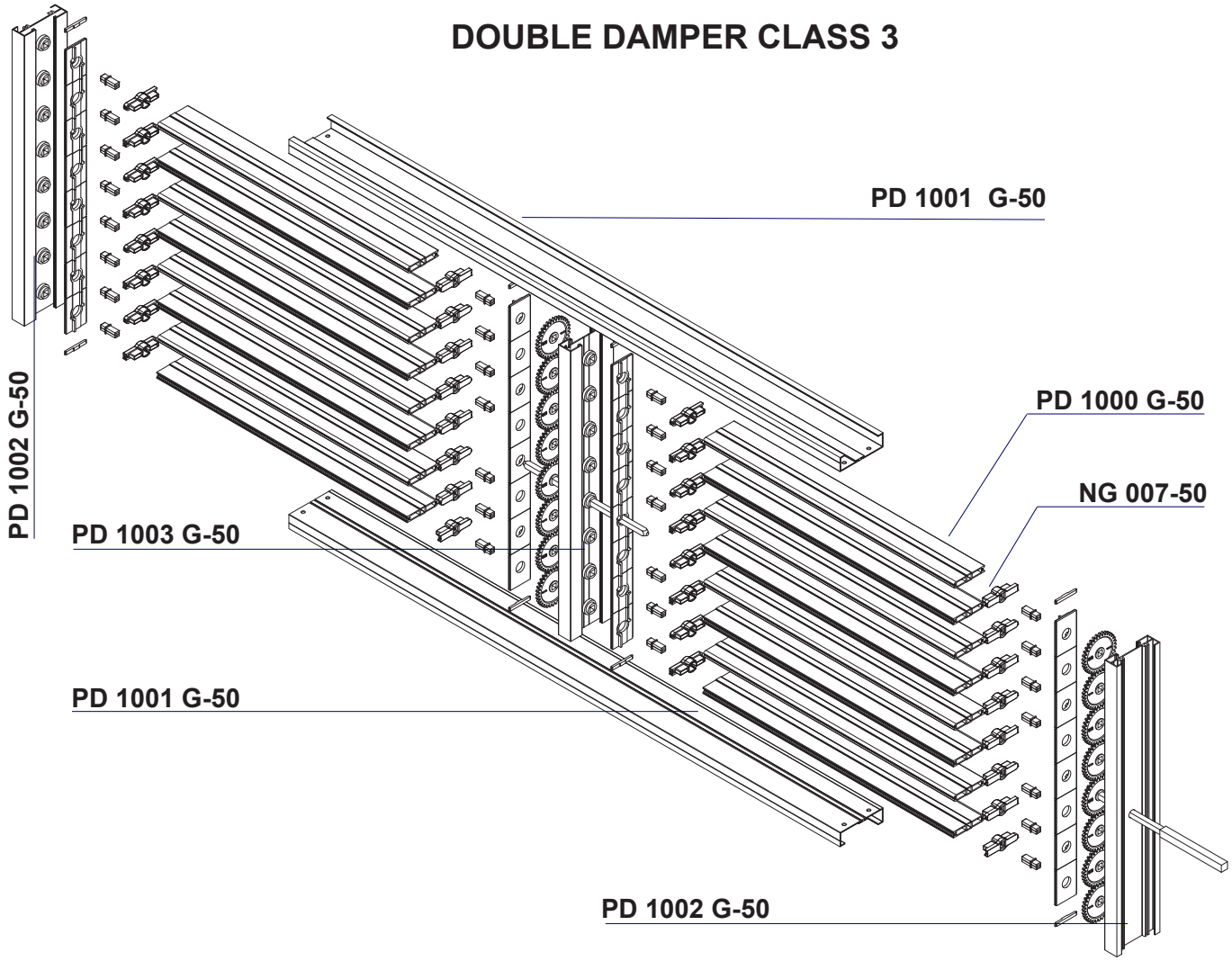


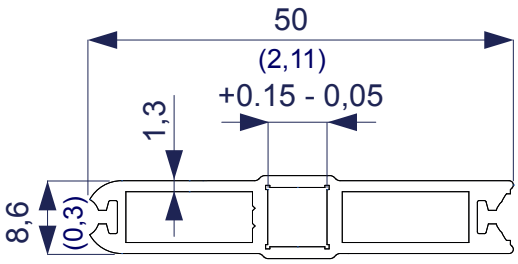
3D Representation of double damper pitch 100 mm. CLASS 2

SINGLE DAMPER CLASS 3

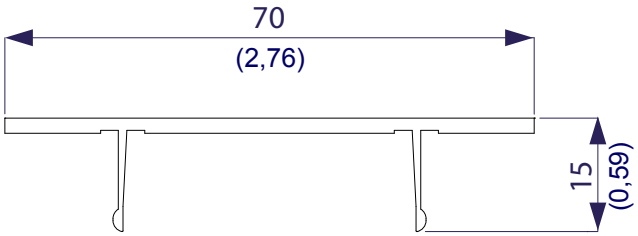


DOUBLE DAMPER CLASS 3





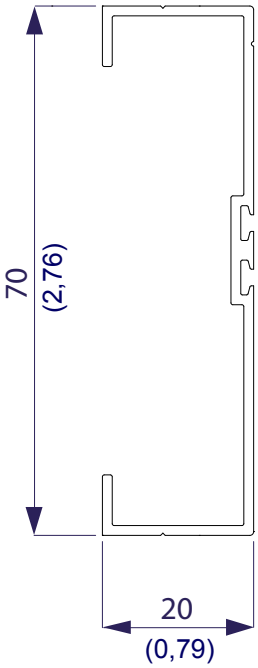
PD 1000 G-50
Weight kg/m 0,428
(lb/ft 0,288)
Bundle of 4 bars



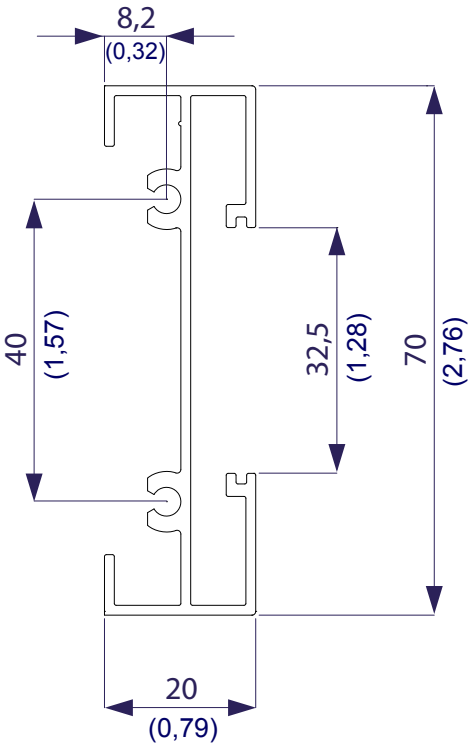
PD 1008 G-50
Weight kg/m 0,439
(lb/ft 0,295)
Bundle of 2 bars

GASKET

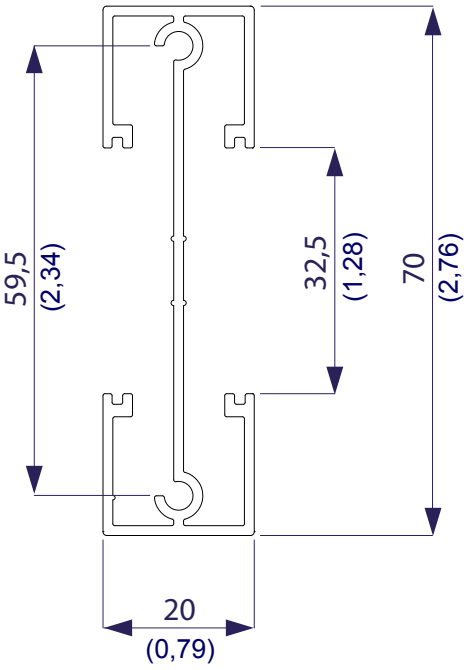
G0011
Box of 500 mt.



PD 1001 G-50
Weight kg/m 0,465
(lb/ft 0,310)
Bundle of 6 bars

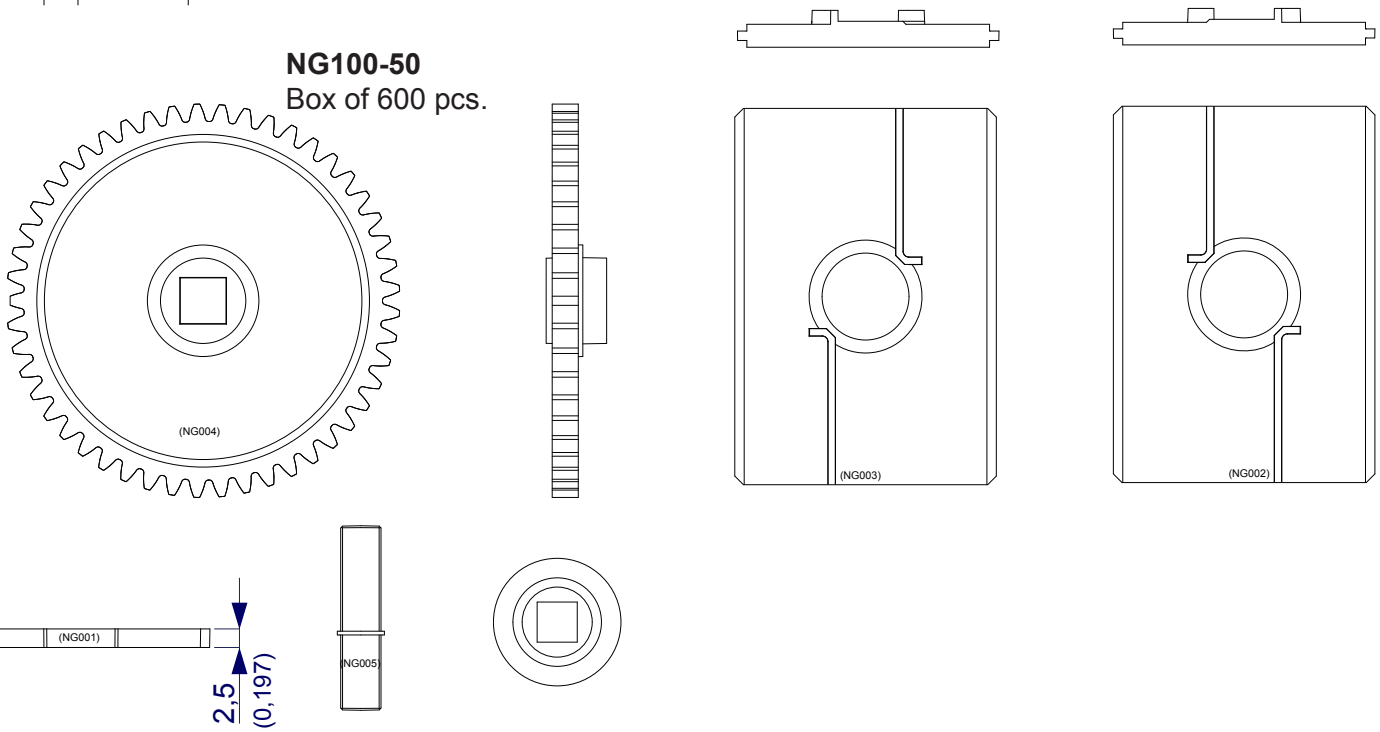


PD 1002 G-50
Weight kg/m 0,702
(lb/ft 0,472)
Bundle of 4 bars

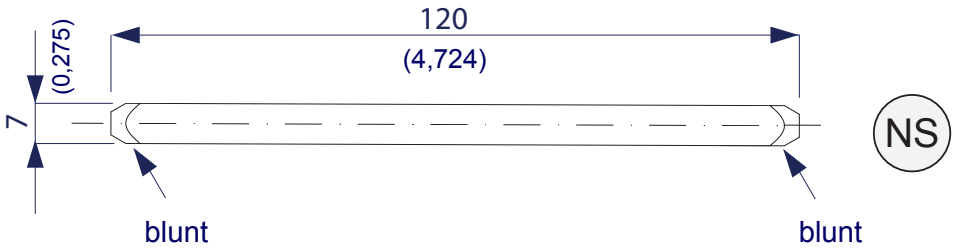


PD 1003 G-50
Weight kg/m 0,750
(lb/ft 0,504)
Bundle of 3 bars

NG100-50
Box of 600 pcs.

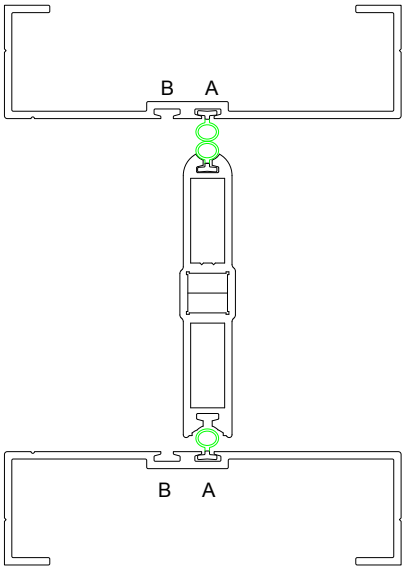


AVP120X7_Z

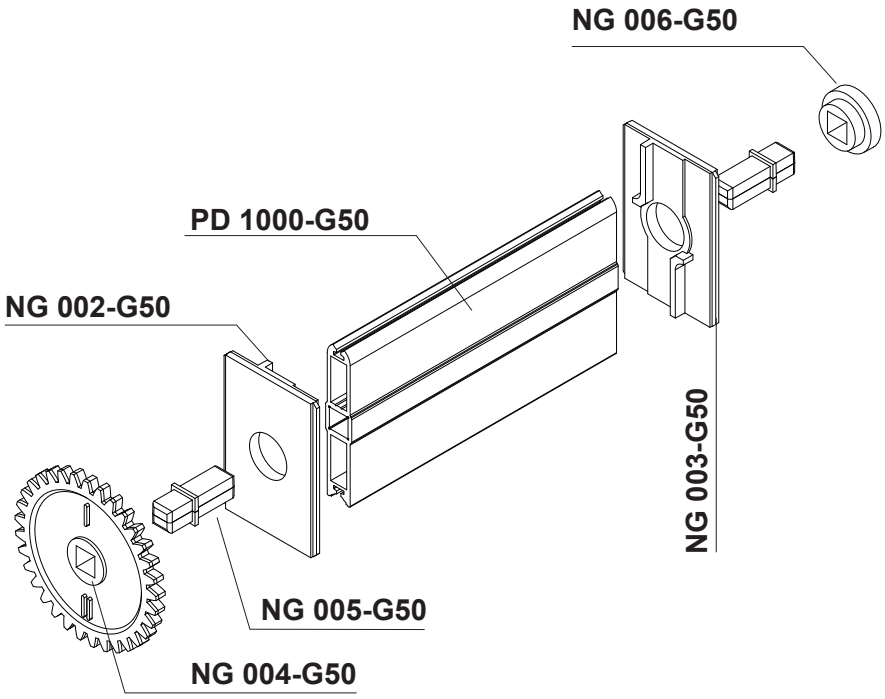


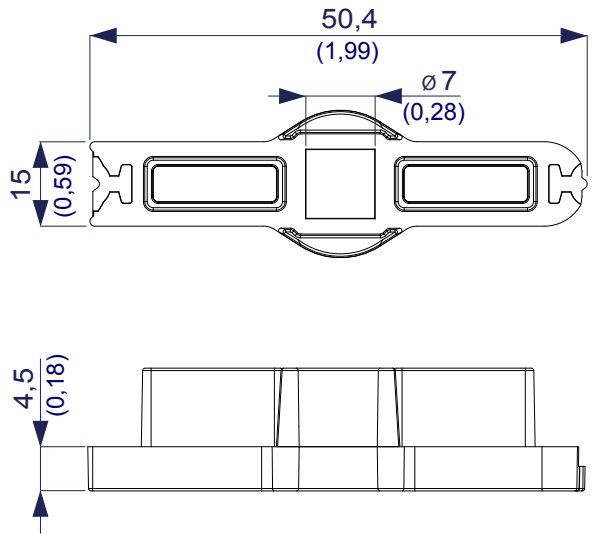
GASKET LAYOUT

Assembly arrangement



BLADE ASSEMBLING



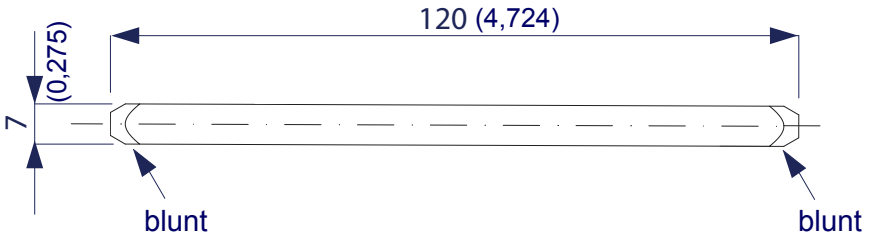


NS

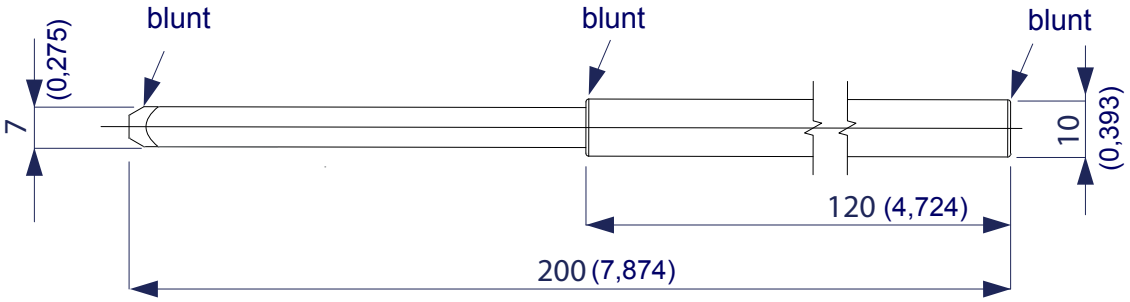
BLADE PLUGS CLASS 3
NG007-50
Box of 400 pcs.

AVP120X7_Z

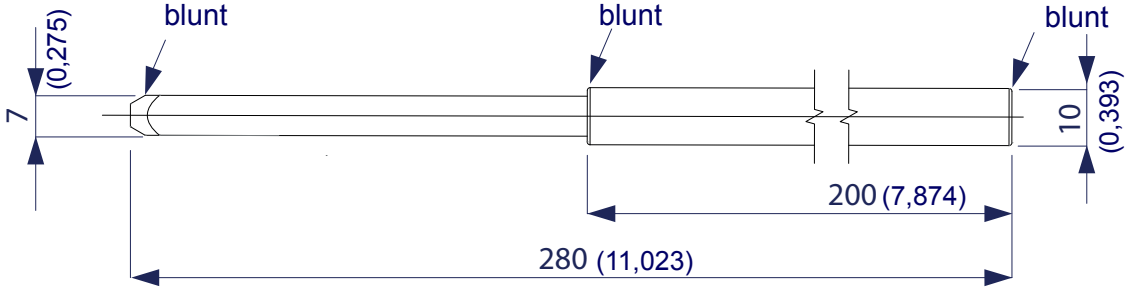
NS



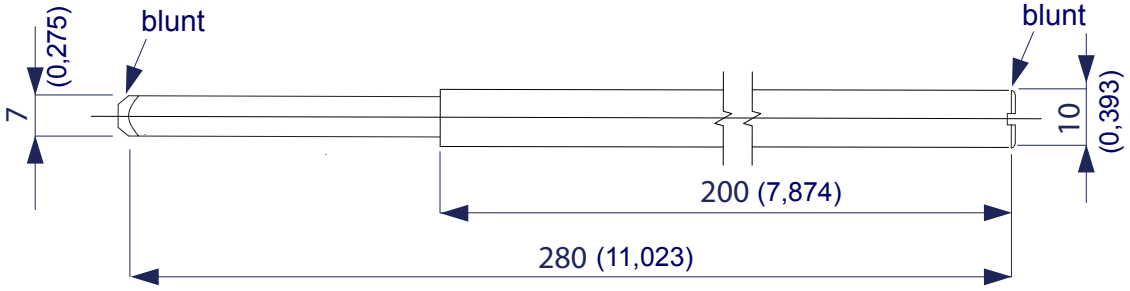
AVP120X7_10_Z



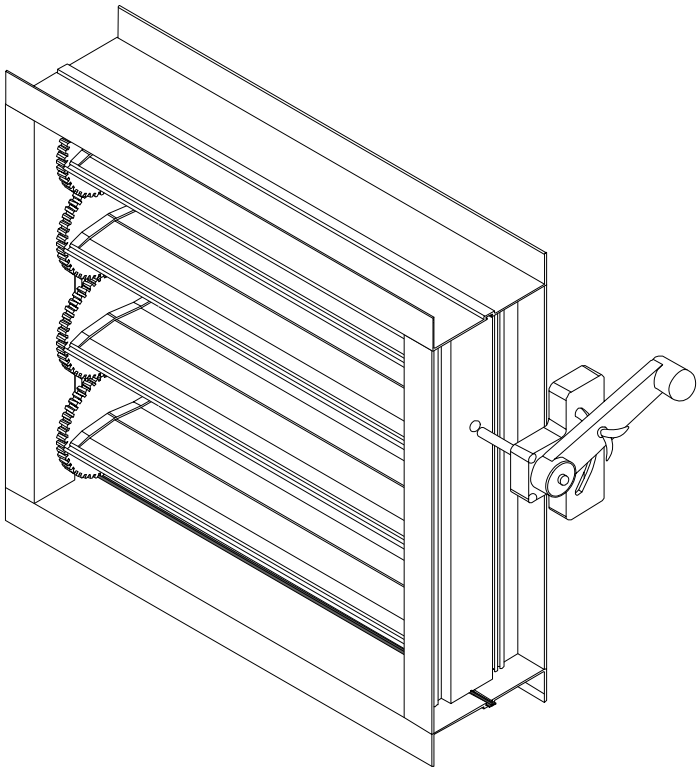
AVP200X7_10_Z



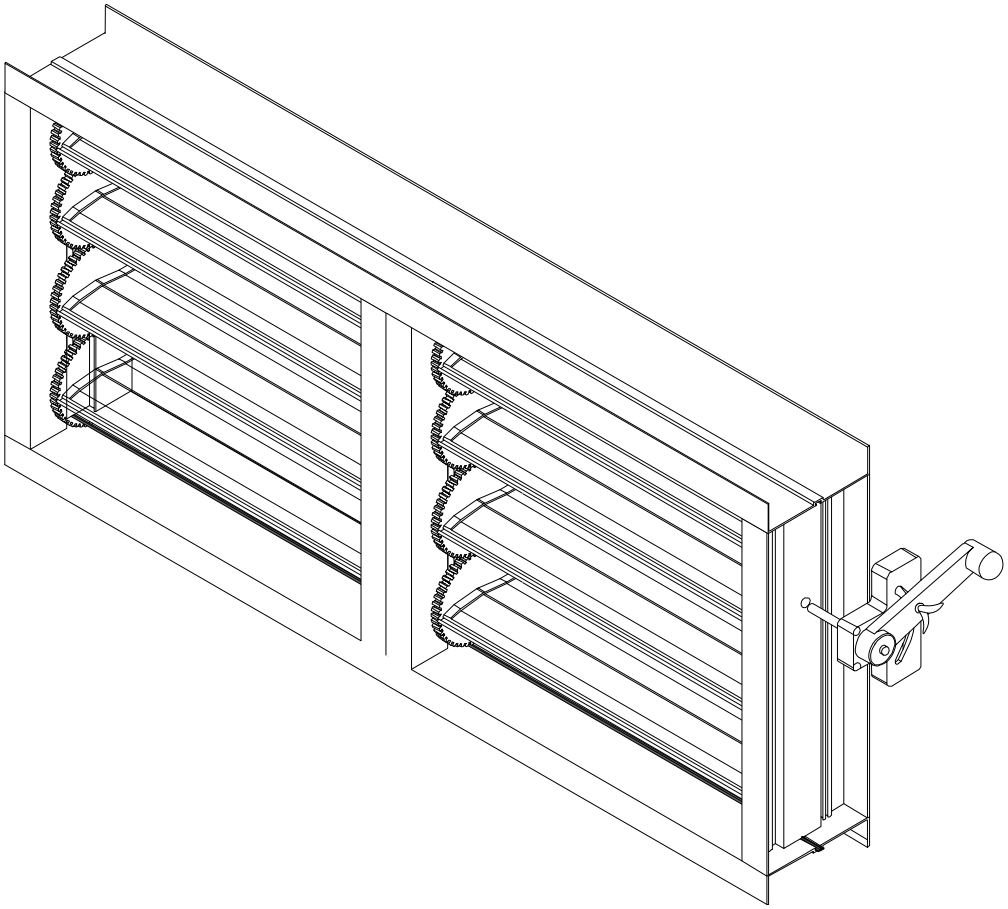
AVP200X7_10D_Z



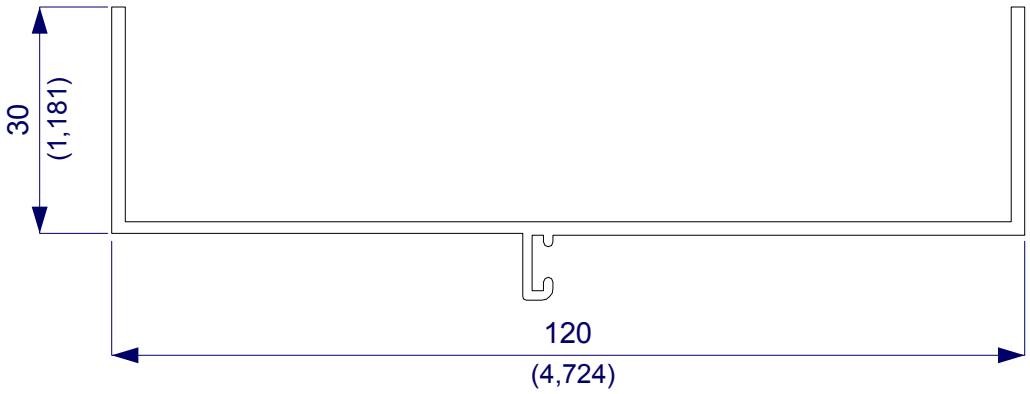
3D Representation of single damper



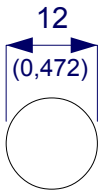
3D Representation of double damper



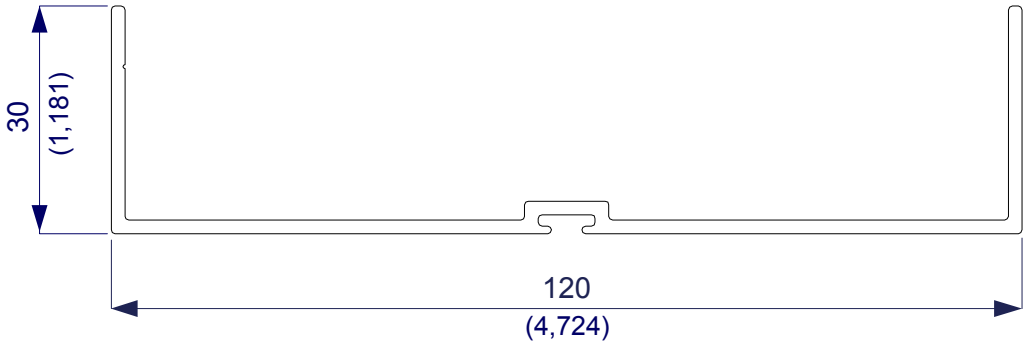
Aluminium profiles for single and double damper



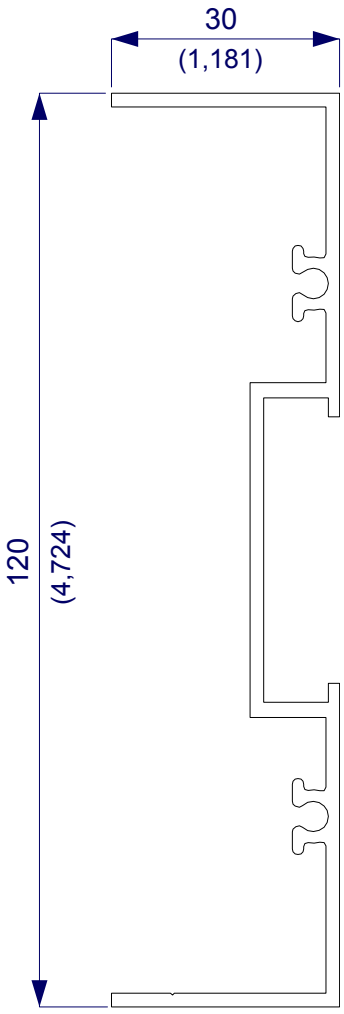
P 127
Weight kg/m 0,873
(lb/ft 0,587)
Bundle of 6 bars



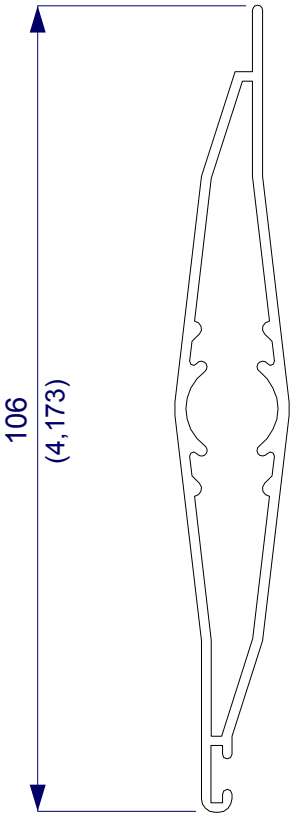
P 12
Weight kg/m 0,312
(lb/ft 0,210)
Bundle of 10 bars



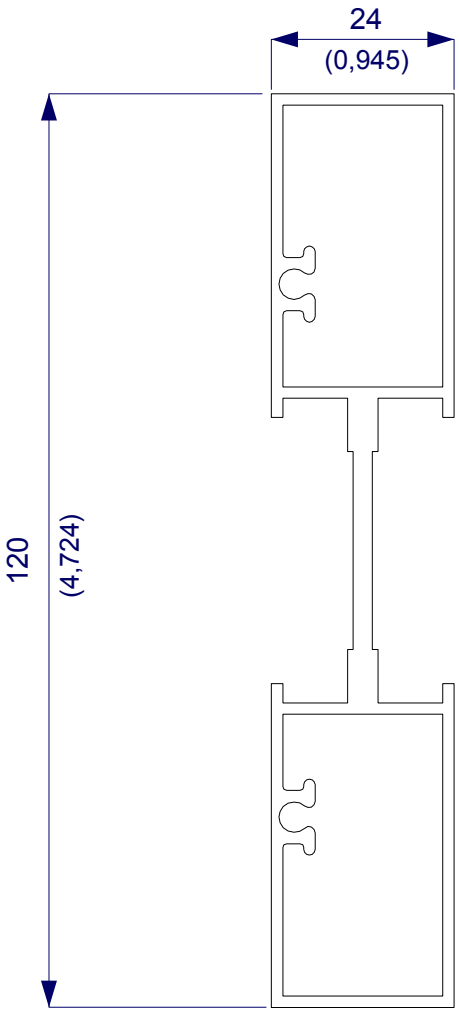
P 118
Weight kg/m 0,917
(lb/ft 0,616)
Bundle of 6 bars



P 125
Weight kg/m 1,062
(lb/ft 0,718)
Bundle of 6 bars

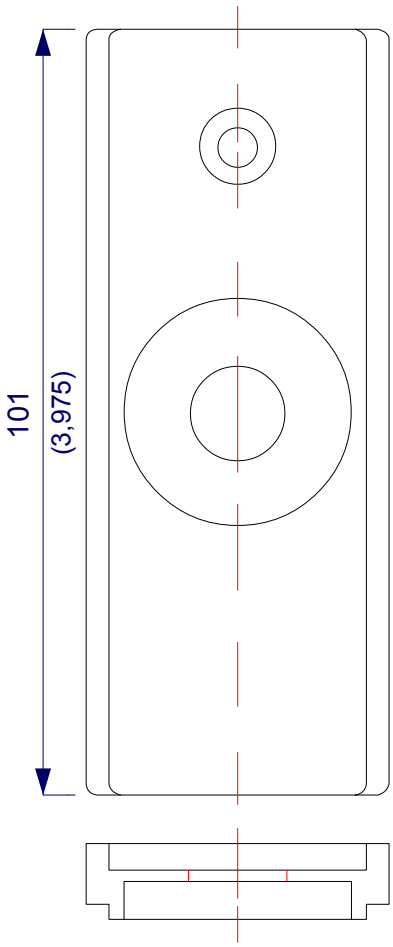


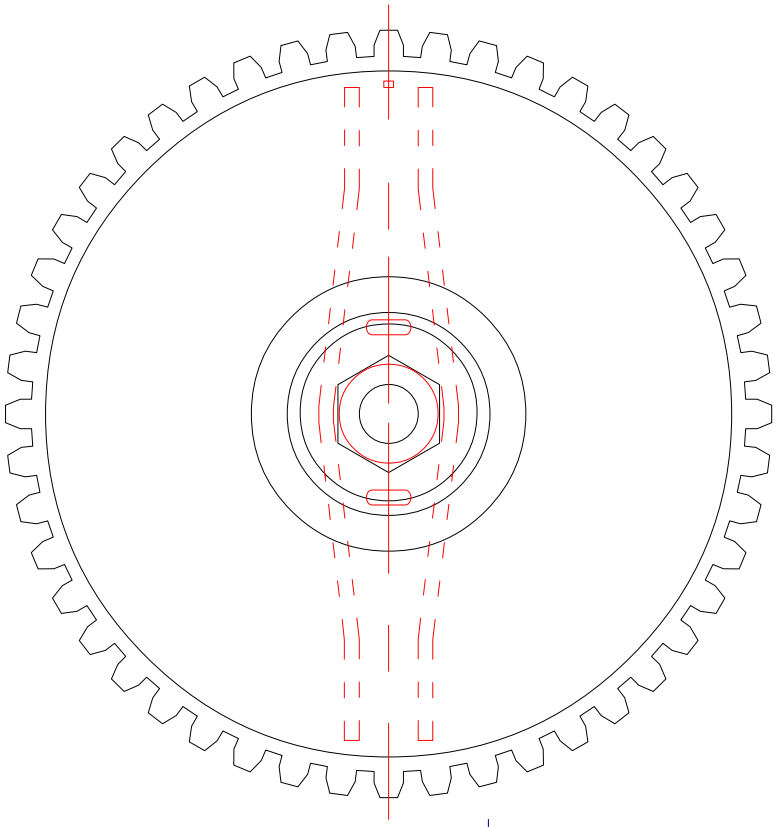
P 126
Weight kg/m 0,842
(lb/ft 0,566)
Bundle of 4 bars

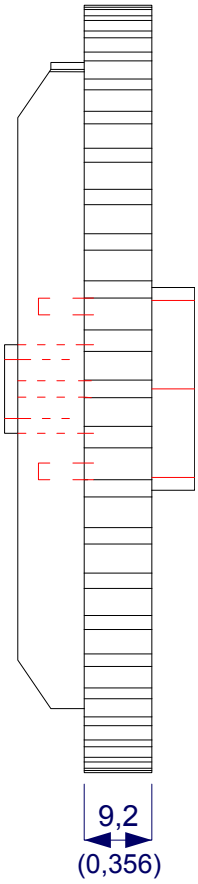


P 128
Weight kg/m 1,546
(lb/ft 1,039)
Bundle of 4 bars

Accessories for single and double damper

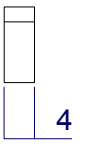






N 830
Box of 240 pcs.

N 850
Box of 1.500 pcs.



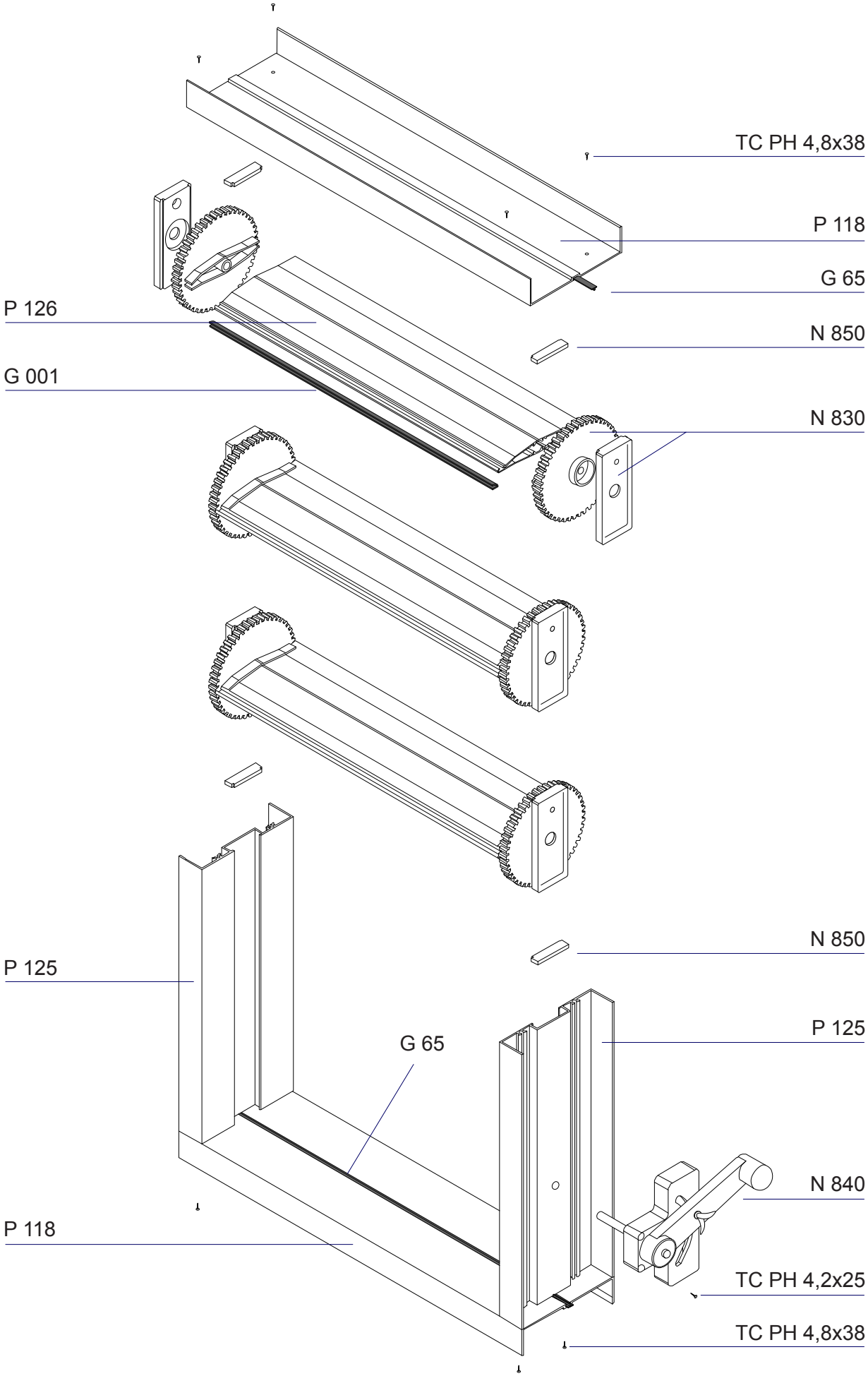
N 840
Box of 50 pcs.

GASKET

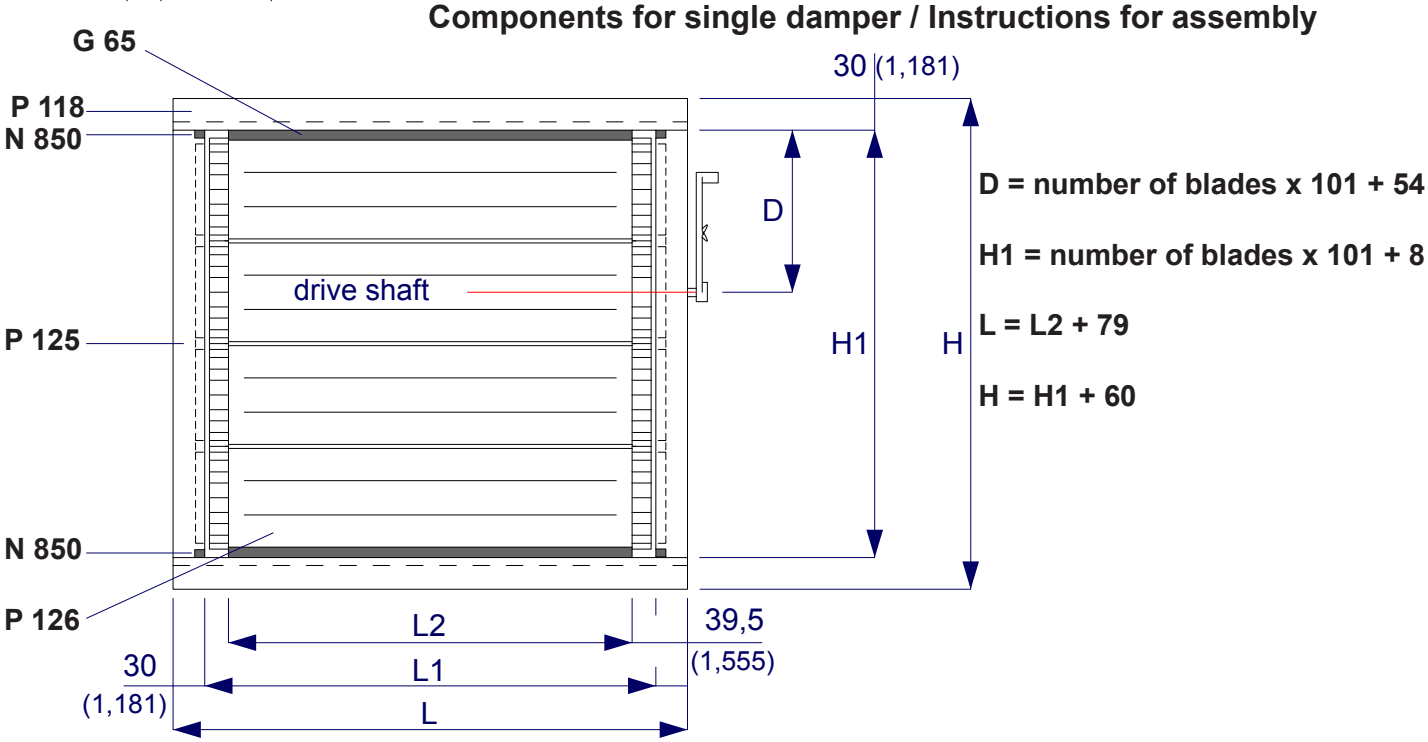
G001
Box of 500 mt.

G65
Box of 400 mt.

3D representation of single damper



Components for single damper / Instructions for assembly



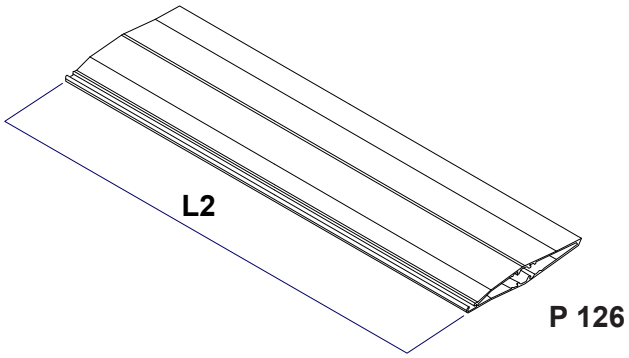
D = number of blades x 101 + 54

H1 = number of blades x 101 + 8

L = L2 + 79

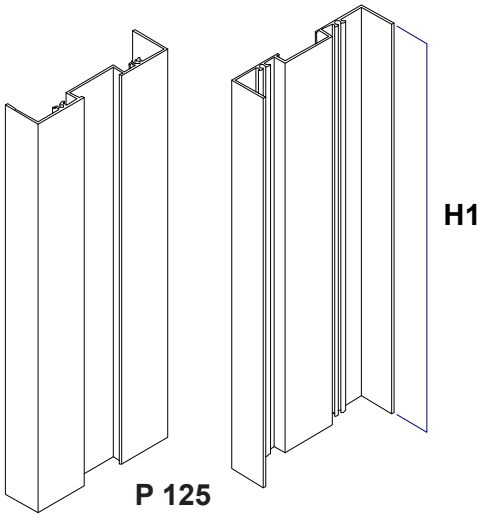
H = H1 + 60

1 Depending on the size of the ventilation opening, determine the width **L2** and the number of blades **P 126**



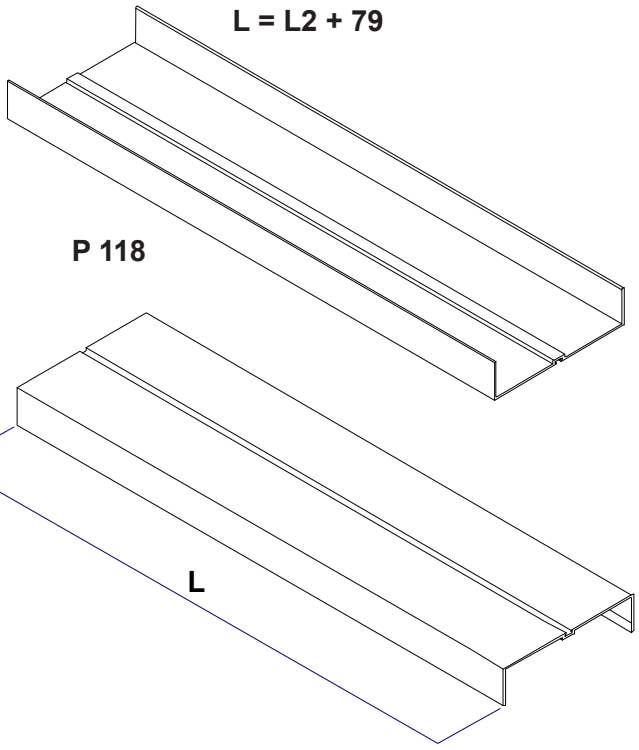
2 Cut 2 upright **P 125** to a size of:

H1 = number of slats x 101 + 8



3 Cut 2 end pieces **P 118** (top and bottom) to a lenght of:

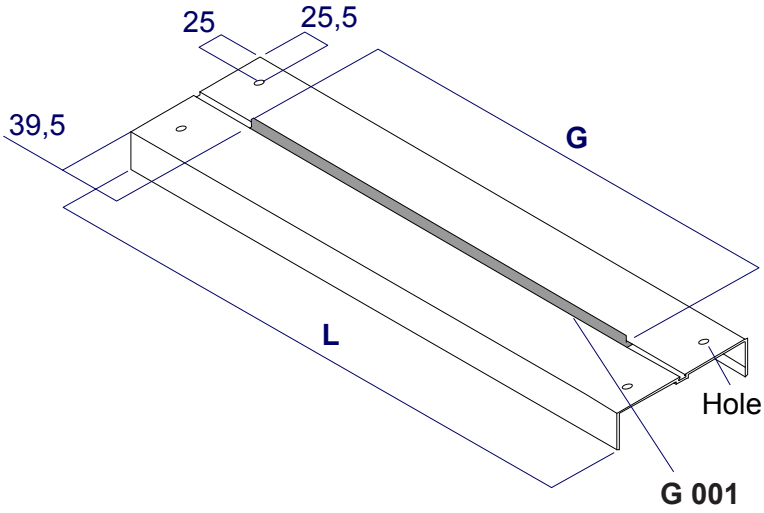
L = L2 + 79



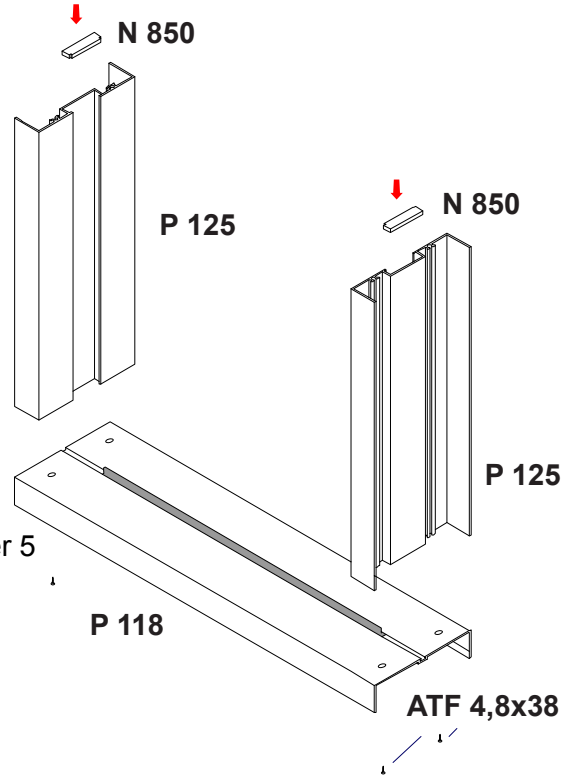
Components for single damper / Instructions for assembly

4 Drill 4 holes ø 5 mm on both ends of **P 118** as shown in the picture, then insert gasket **G 65** which should have a lenght of:

G = L - (39,5x2)

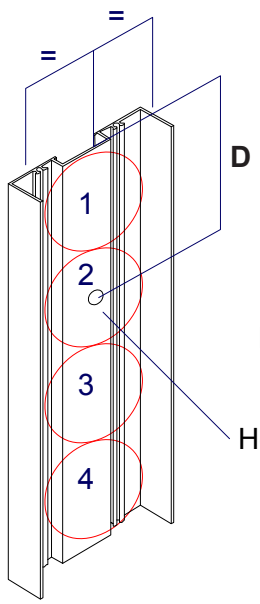


6 Using 4 self-tapping screws **ATF 4,8x38** fit bottom bar **P 118** to the 2 uprights **P 125**. Remember to insert **N 850** 4 mm thick.



5 Drill 1 hole ø 16 mm on upright **P 125** at a distance of:

D = number of slats from which to position the hole x 101 + 54

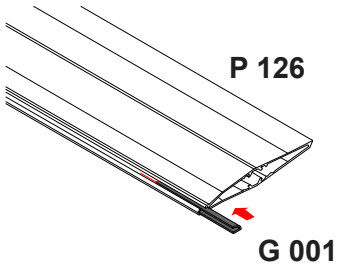


In the example:

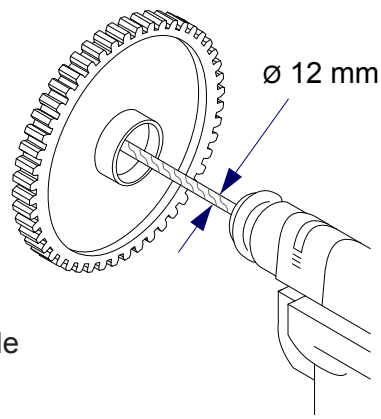
D = 1 x **101 + 54**

Hole ø 16 mm

7 Insert gasket G **63** into blades **P 126**.



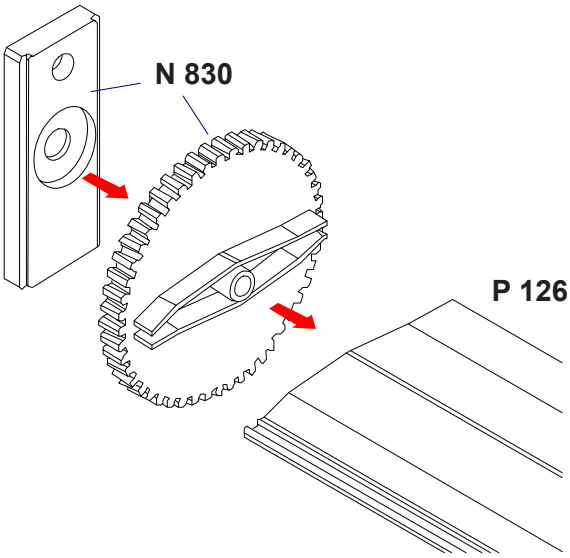
8 Drill 1 hole ø 12 mm in one of the gears.
NOTE: During assembly, position the gear so that the hole ø 12 mm coincides with the hole ø 16 mm on upright **P 125.**



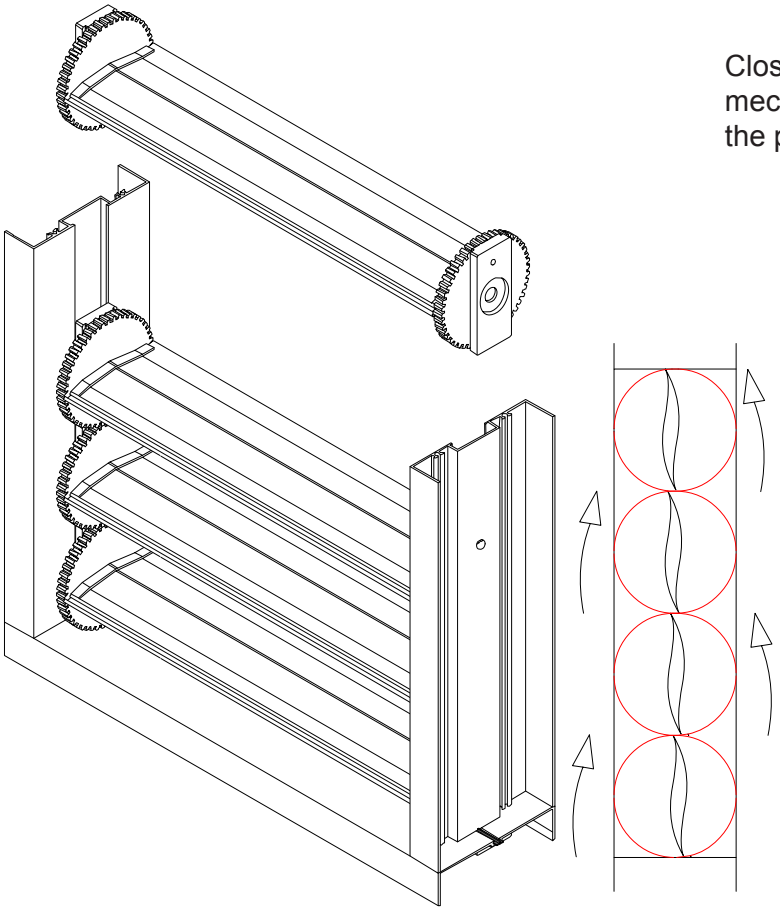
NOTE: It is advisable to keep the control mechanism as central as possible

Components for single damper / Instructions for assembly

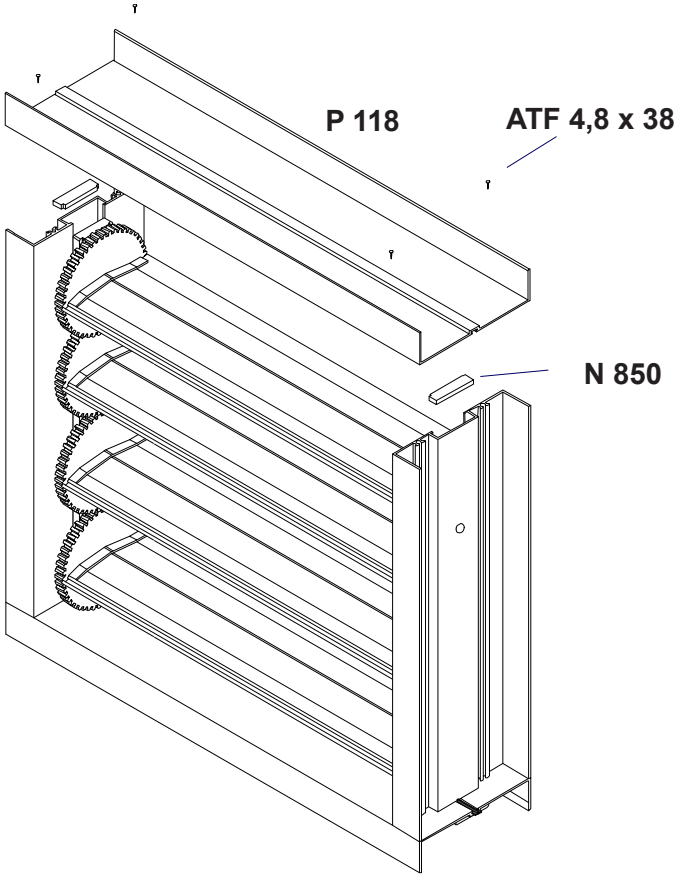
9 Insert the nylon gears in the tracks of the slats **P 126,** then mount **N 830** on the gears inspecting that they'll turn without effort.



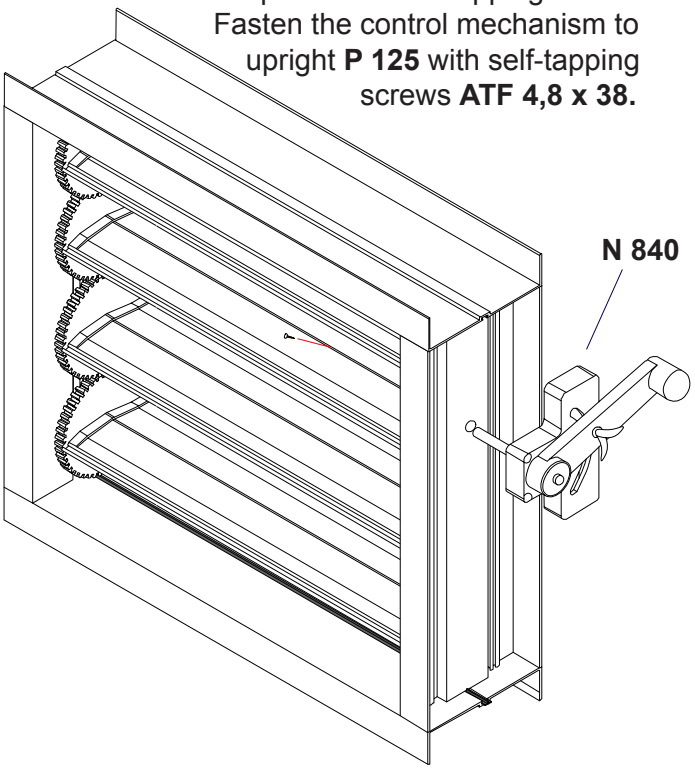
10 Insert the blade-spacer-gear assembly in the grooves of upright **P 125**.
The gears should be coupled so that all the slats are oriented in the same position.Distanzhalter



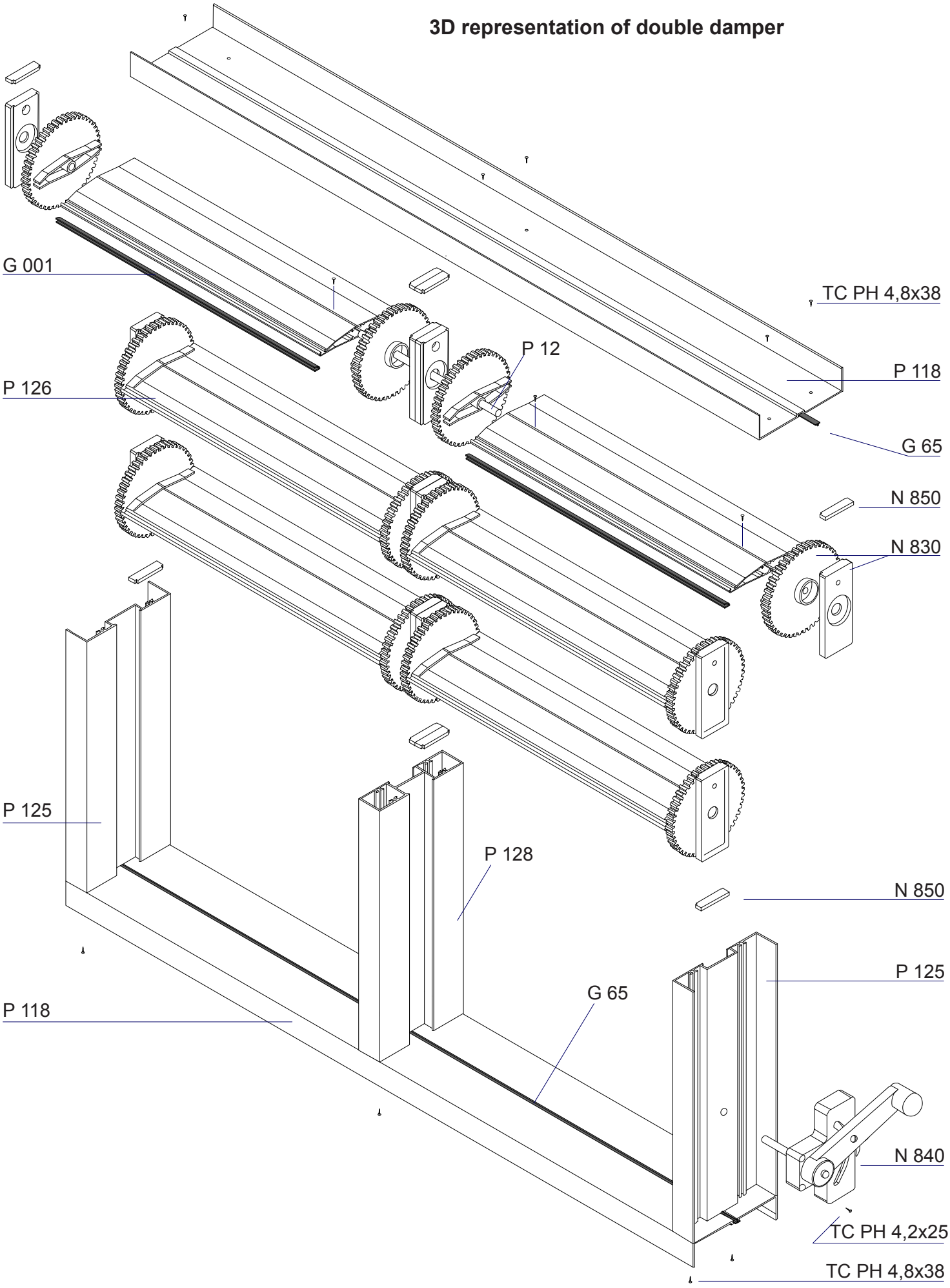
11 Insert nylon spacer **N 850** as end of the pieces **N 830**. Then fasten top rail **P 118** with 4 self-tapping screws **ATF 4,8 x 38**



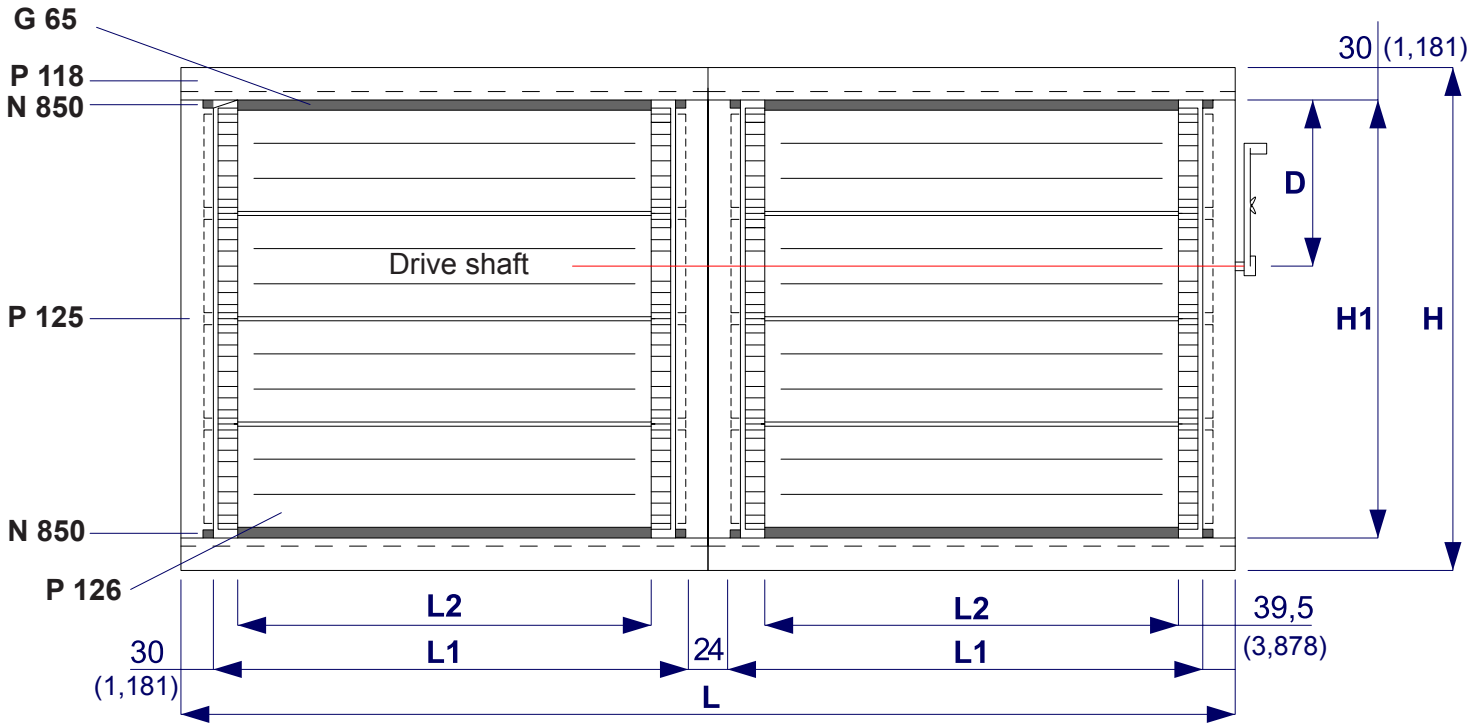
12 Close the shutter slats by hand. Set the shutter control mechanism **N 840** in the closed position and introduce the pin into blades **P 126**. Drill 1 hole in slat **P 126** and fasten the pin with a self-tapping screw.
Fasten the control mechanism to upright **P 125** with self-tapping screws **ATF 4,8 x 38.**



3D representation of double damper



Components for double damper / Instructions for assembly



D = number of blades x 101 + 54

H1 = number of blades x 101 + 8

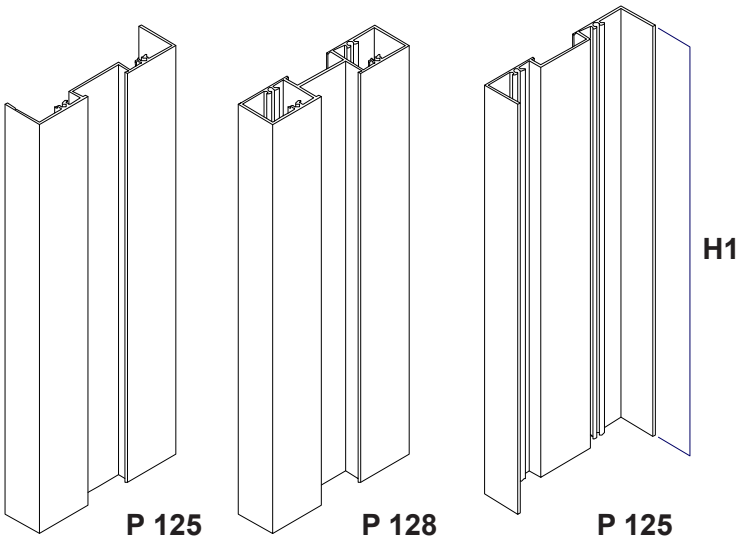
L = [(L2 + 39,5) x 2] + 43

H = H1 + 60

Carry out the operations described for the single shutter with the following variations:

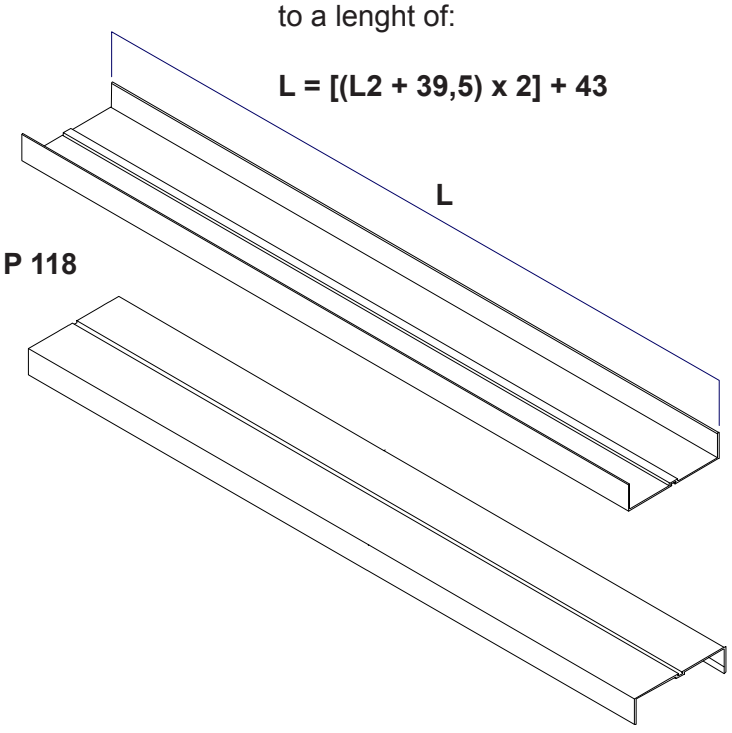
1 Cut 2 uprights **P125** and 1 upright **P128** to a lenght of:

H1 = number of slats x 101 + 8



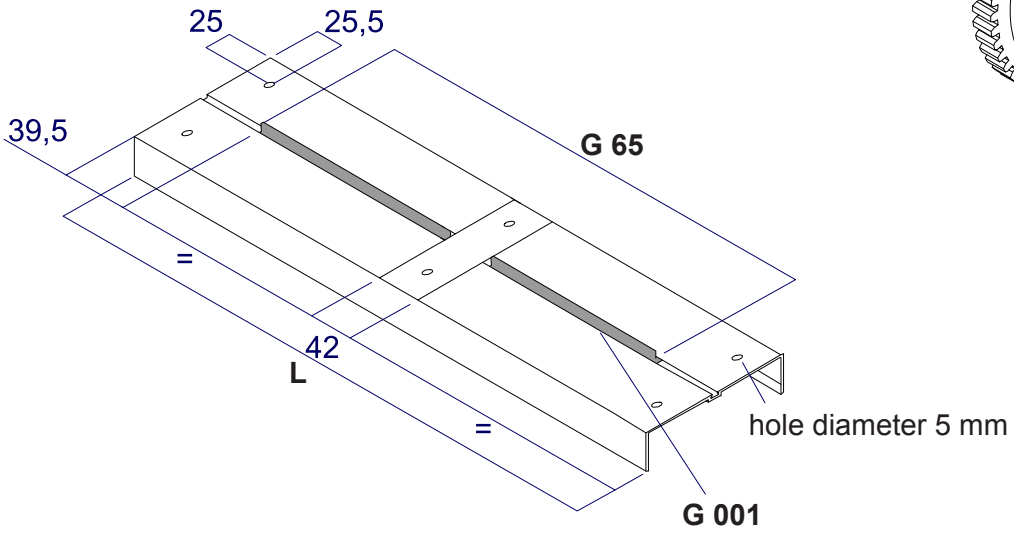
2 Cut 2 uprights **P118** (top and bottom) to a lenght of:

L = [(L2 + 39,5) x 2] + 43

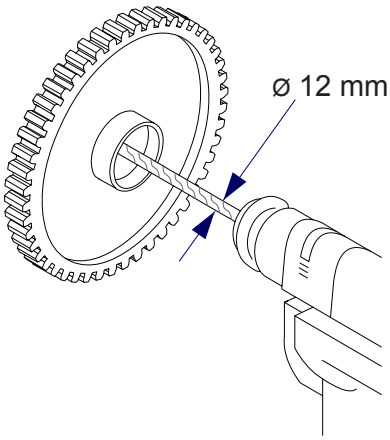


Components for double damper / Instructions for assembly

3 Drill 6 holes ø 5 mm on both ends of **P 118** and insert gasket **G 65** as shown in the picture.

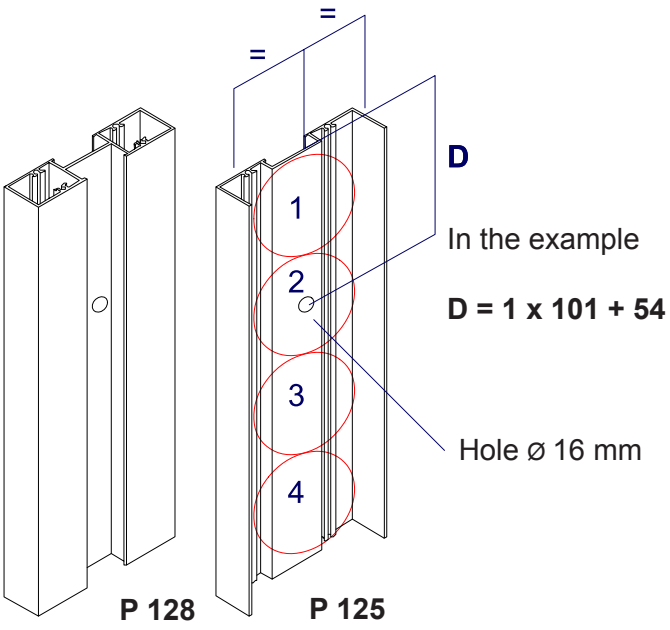


5 Drill 1 hole ø 12 mm. in the 3 gears.

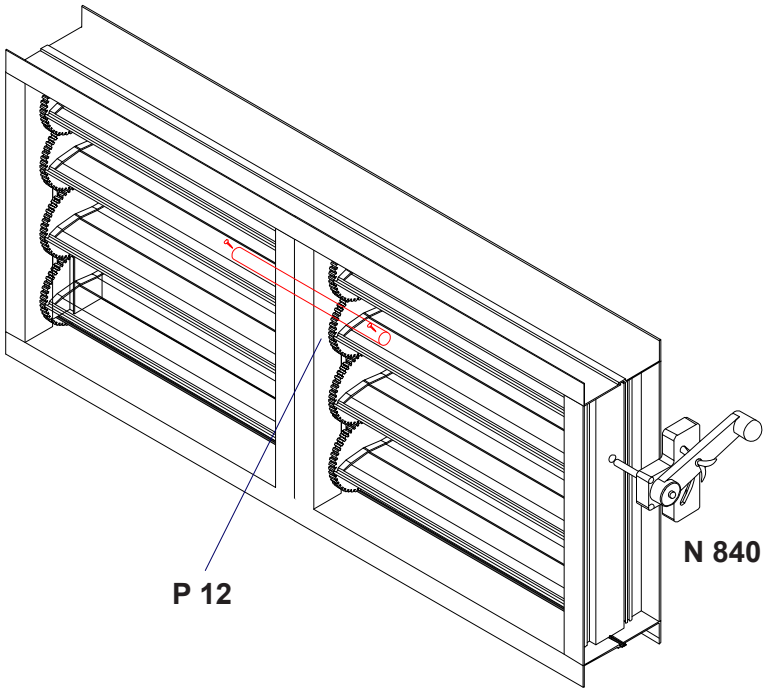


4 Drill 1 hole ø 16 mm on **P 125** and **P 128** uprights at a distance of:

D = number of blades from which to position the hole x 101 + 54



6 Mount shutter opening-closing control **N 840** and connect the two sets of slats together with pin **P 12** and fasten it with two self-tapping screws.

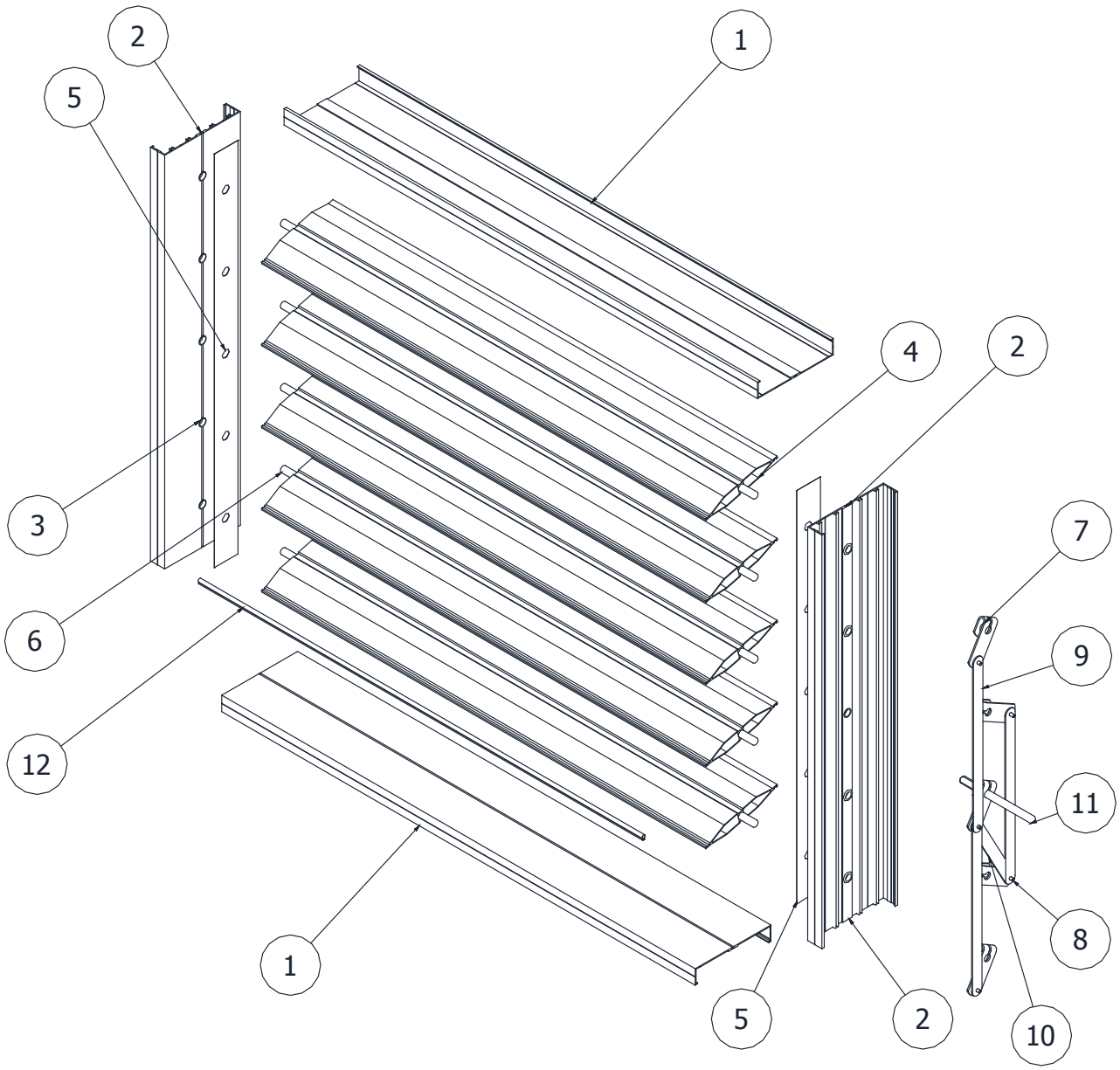


NOTE: It is advisable to keep the control mechanism as central as possible.

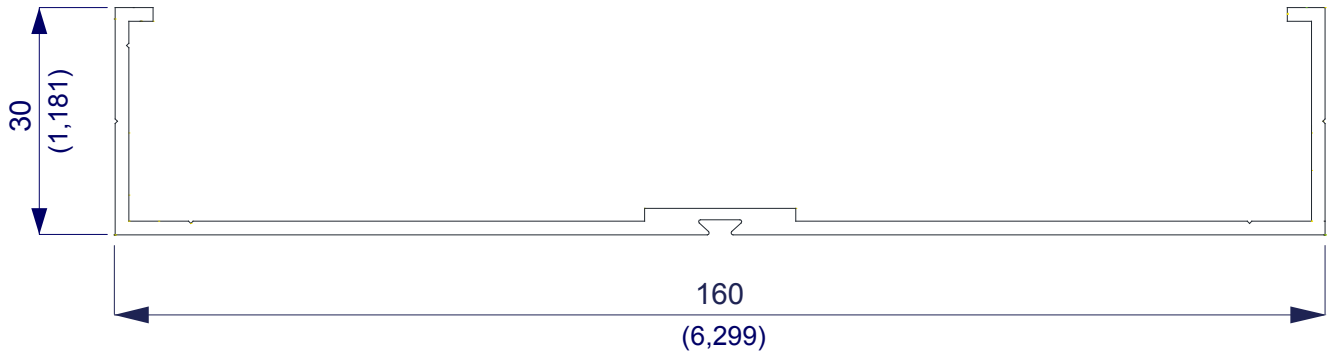
WEIGHT TABLE

H1	/P125	Single damper																						N830	Double damper									N830
210	1,27	1,45	1,62	1,80	1,97	2,15	2,33	2,50	2,68	2,86	3,04	3,21	3,39	3,57	3,75	3,92	4,10	4,28	4,45	4,63	4,81	4,98	4	5,64	5,92	6,62	6,98	7,34	7,68	8,04	8,40	8
311	1,66	1,90	2,14	2,37	2,61	2,75	3,08	3,32	3,56	3,79	4,05	4,27	4,50	4,74	4,98	5,22	5,45	5,69	5,93	6,16	6,40	6,64	6	7,34	7,82	8,30	8,76	9,24	9,72	10,20	10,66	12
412	2,05	2,35	2,65	2,95	3,24	,354	3,84	4,14	4,43	4,73	5,03	5,32	5,62	5,92	6,21	6,51	6,81	7,10	7,40	7,70	8,00	8,29	8	9,14	9,82	10,40	11,00	11,60	12,18	12,78	13,38	16
513	2,45	2,80	3,17	3,52	3,89	4,24	4,59	4,95	5,31	5,66	6,02	6,38	6,74	7,07	7,45	7,81	8,16	8,52	8,88	9,23	9,59	9,95	10	11,00	11,65	12,37	13,09	13,75	14,51	15,23	15,93	20
614	2,85	3,26	3,69	4,10	4,51	4,93	5,35	5,76	6,18	6,60	7,01	7,43	7,85	8,27	8,68	9,01	9,51	9,93	10,35	10,77	11,19	11,65	12	12,81	13,55	14,39	15,23	16,07	16,83	17,55	18,55	24
715	3,24	3,72	4,21	4,67	5,15	5,63	6,10	6,58	7,06	7,53	8,01	8,49	8,96	9,44	9,91	10,40	10,87	11,35	11,83	12,30	12,78	13,25	14	14,59	15,47	16,43	17,37	18,33	19,27	20,25	21,19	28
816	3,64	4,17	4,73	5,25	5,79	6,32	6,86	7,39	7,93	8,47	9,00	9,54	10,08	10,61	11,15	11,69	12,23	12,76	13,30	13,84	14,38	14,91	16	16,31	17,37	18,45	19,53	20,59	21,67	22,75	23,83	32
917	4,03	4,62	5,25	5,82	6,42	7,02	7,61	8,21	8,81	9,40	10,00	10,60	11,20	11,79	12,39	12,99	13,59	14,18	14,78	15,37	15,97	16,57	18	18,09	19,29	20,49	21,69	22,89	24,00	25,30	26,47	36
1018	4,43	5,08	5,76	6,40	7,05	7,71	8,37	9,02	9,68	10,34	11,00	11,65	12,31	12,97	13,62	14,28	14,93	15,60	16,25	16,90	17,57	18,22	20	19,90	21,22	22,52	23,82	25,14	26,42	27,75	29,00	40
1119	4,82	5,54	6,28	6,97	7,69	8,41	9,12	9,84	10,56	11,27	11,99	12,71	13,42	14,14	14,86	15,58	16,30	17,01	17,73	18,44	19,16	19,88	22	21,75	23,19	24,63	26,07	27,51	28,95	30,39	31,84	44
1220	5,22	5,99	6,80	7,55	8,32	9,10	9,88	10,65	11,43	12,21	12,99	13,76	14,54	15,32	16,09	16,87	17,65	18,42	19,20	19,98	20,76	21,53	24	23,55	25,11	26,65	27,19	28,73	30,27	31,81	33,35	48
1321	5,61	6,45	7,32	8,22	8,96	9,86	10,63	11,47	12,31	13,14	13,98	14,82	15,65	14,49	17,33	18,17	19,00	19,84	20,68	21,51	22,37	23,19	26	25,33	27,01	28,69	30,37	32,05	33,73	35,41	37,09	52
1422	6,00	6,90	7,84	8,70	9,59	10,49	11,39	12,28	13,18	14,08	14,98	15,87	16,77	17,67	18,56	19,46	20,36	21,25	22,15	23,05	23,95	24,84	28	27,13	28,93	30,73	32,54	34,35	36,16	37,97	39,78	56
1523	6,40	7,36	8,35	9,27	10,83	11,19	12,14	13,10	14,06	15,01	15,97	16,93	17,88	18,84	19,80	20,76	21,71	22,67	23,63	24,58	25,54	26,50	30	28,92	30,84	32,76	34,68	36,60	38,52	40,44	42,36	60
1624	6,80	7,81	8,87	9,84	10,86	11,88	12,90	13,92	14,93	15,95	16,97	17,99	19,00	20,01	21,03	22,05	23,07	24,08	25,10	26,12	27,14	28,15	32	30,72	32,76	34,80	36,84	38,88	40,93	42,96	45,00	64
1725	7,89	8,27	9,39	10,42	11,50	12,58	13,65	14,73	15,81	16,88	17,96	9,04	20,11	21,19	22,27	23,35	24,42	25,50	2658	27,65	28,73	29,89	34	35,52	34,66	36,80	38,95	41,09	43,24	45,38	47,53	68
1826	7,59	8,72	9,91	10,10	12,13	13,27	14,40	15,54	16,68	17,82	18,96	20,09	21,23	22,37	23,50	24,64	25,78	26,92	28,05	29,18	30,33	31,46	36	34,30	36,58	38,85	41,15	43,44	45,72	48,00	50,30	72
1927	7,98	9,18	10,43	11,57	12,77	13,97	15,16	16,36	17,56	18,75	19,93	21,14	22,34	23,54	24,74	25,93	27,15	28,33	29,52	30,72	31,92	33,12	38	36,08	38,84	40,88	43,29	45,70	48,11	50,52	52,93	76
2028	8,38	9,63	10,94	12,15	13,40	14,66	15,92	17,17	18,43	19,68	20,95	22,20	23,46	24,72	25,97	27,23	28,49	29,74	31,00	32,26	33,52	34,77	40	37,87	40,43	43,00	45,55	48,11	50,67	53,23	55,79	80
	200	**250**	**300**	**350**	**400**	**450**	**500**	**550**	**600**	**650**	**700**	**750**	**800**	**850**	**900**	**950**	**1000**	**1050**	**1100**	**1150**	**1200**	**1250**		**1300**	**1400**	**1500**	**1600**	**1700**	**1800**	**1900**	**2000**	L1
P118	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310		1360	1460	1560	1660	1760	1860	1960	2060	Lmm.
P126	181	231	281	331	381	431	481	531	581	631	681	731	781	831	881	931	981	1031	1081	1131	1181	1231		619	669	719	769	819	869	919	969	Lmm.

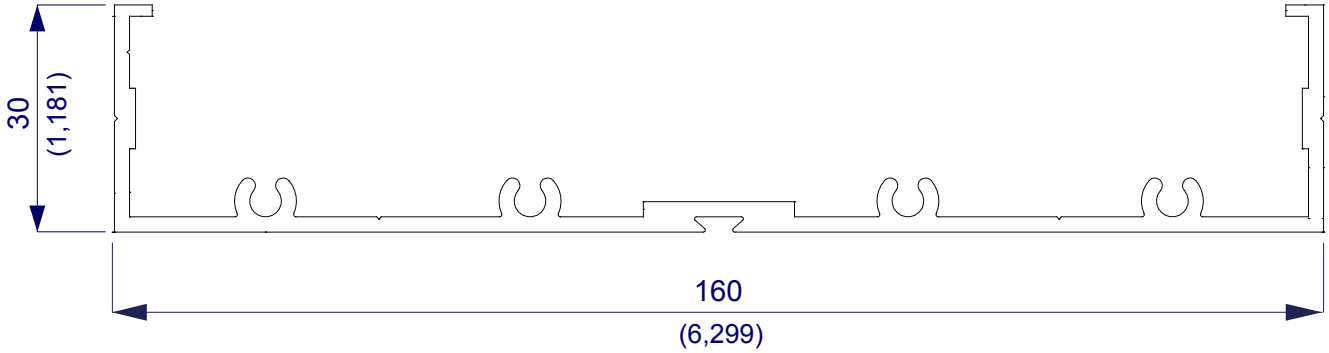
3D Representation of single damper pitch 150 mm



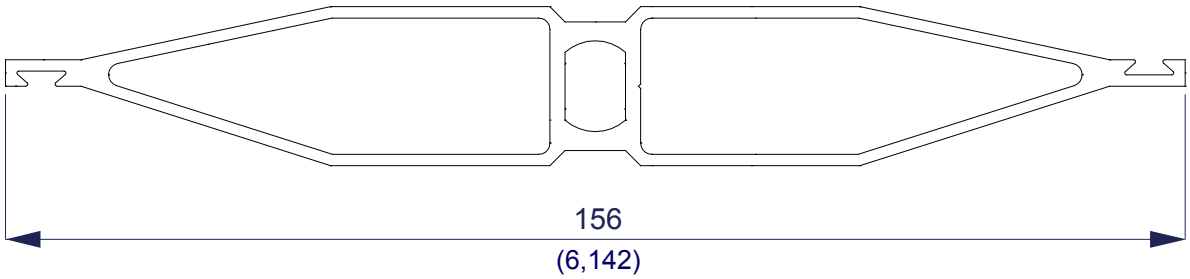
PART LIST	
ITEM	PART NUMBER
1	PD 2001
2	PD 2002
3	80VM000072
4	PD 2000
5	30VM000585
6	30VM000556
7	80VM000036
8	60VM000024
9	80VM000043
10	80VM000044
11	30VM000558
12	G001 / G0014



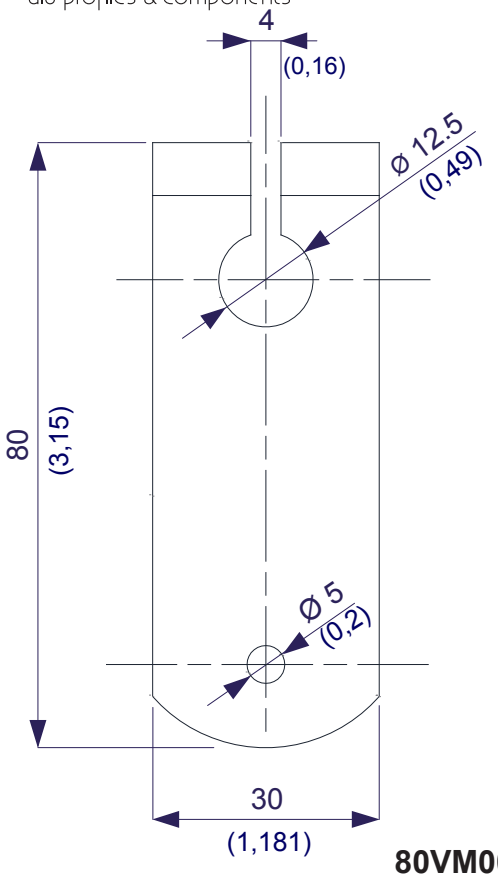
PD 2001
Weight kg/m 1,167
(lb/ft 0,784)
Bundle of 2 bars

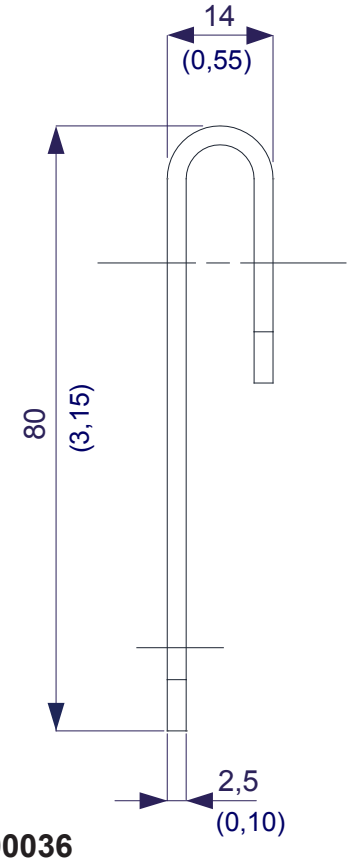


PD 2002
Weight kg/m 1,565
(lb/ft 1,052)
Bundle of 2 bars



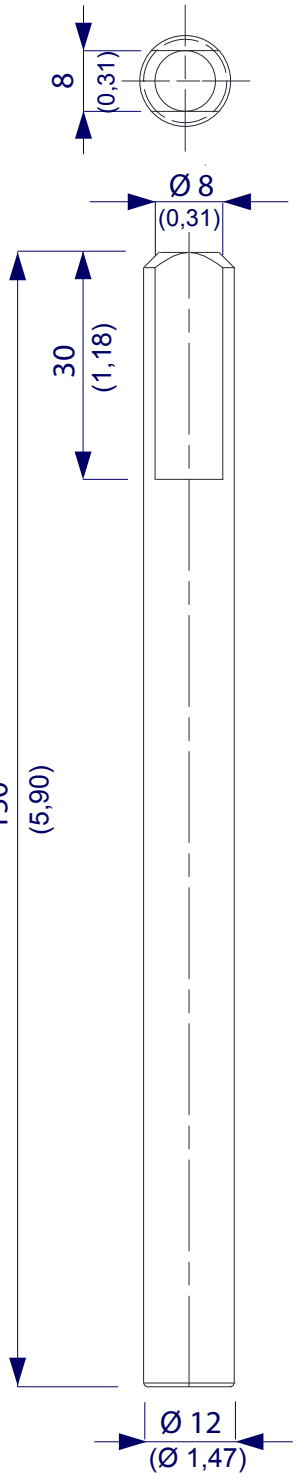
PD 2000
Weight kg/m 1,549
(lb/ft 1,041)
Bundle of 2 bars





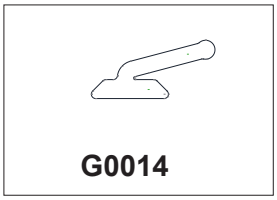
80VM000036
Box of 50 pcs.

LEVERISM

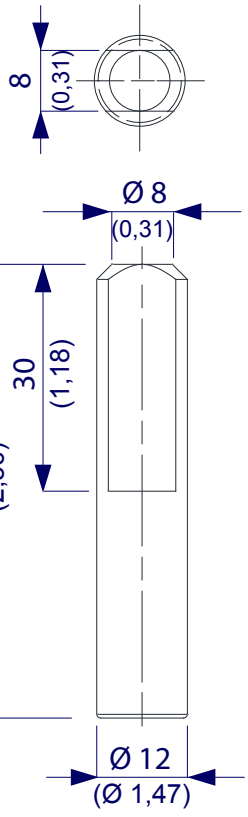


30VM000558
Box of 300 pcs.

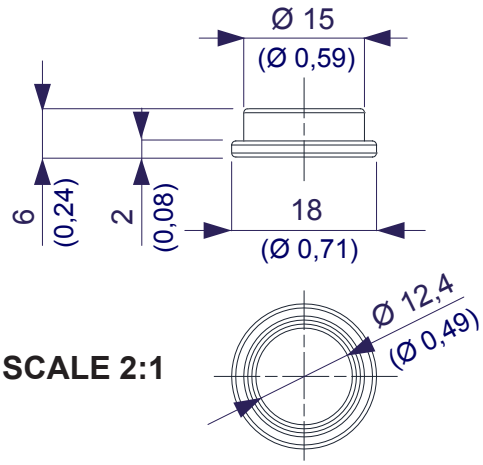
GASKET



G0014



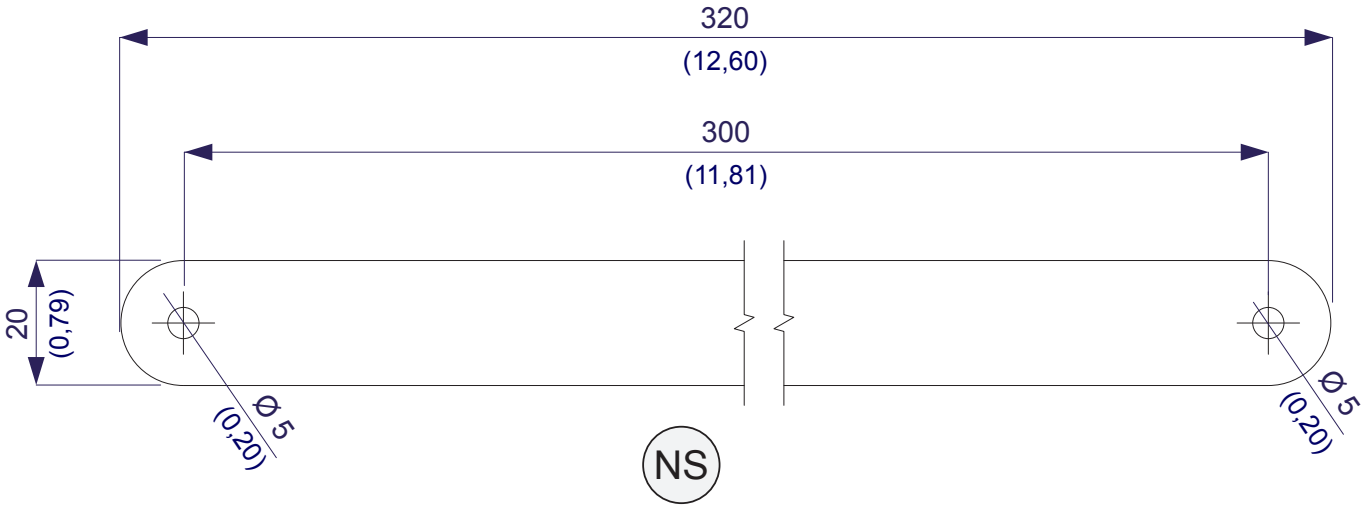
30VM000556
Box of 300 pcs.



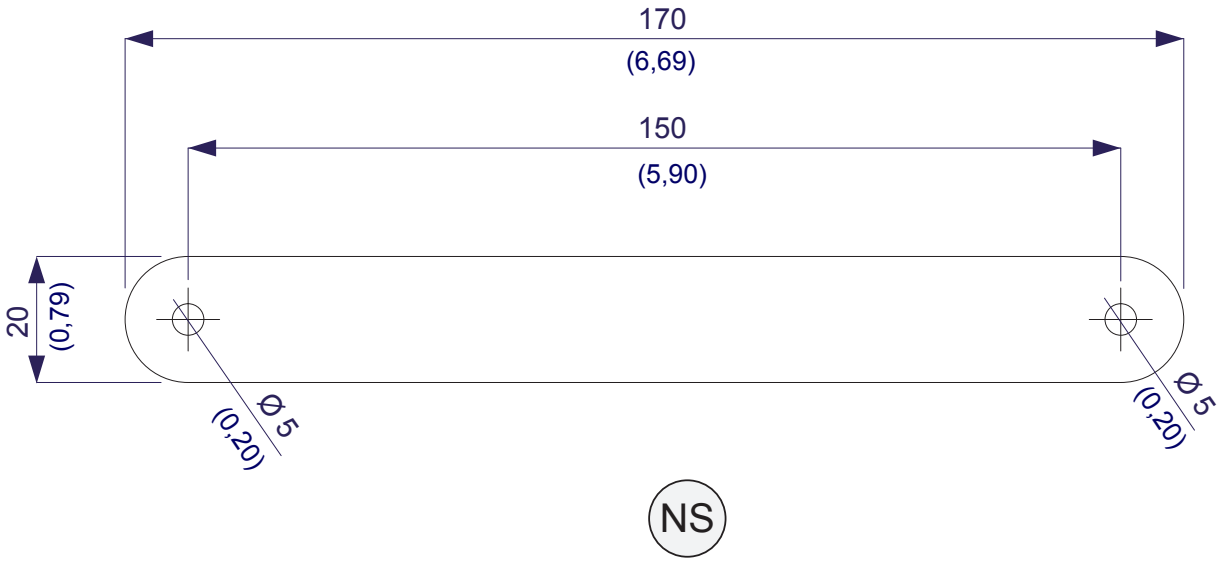
SCALE 2:1

80VM000072
Box of 500 pcs.

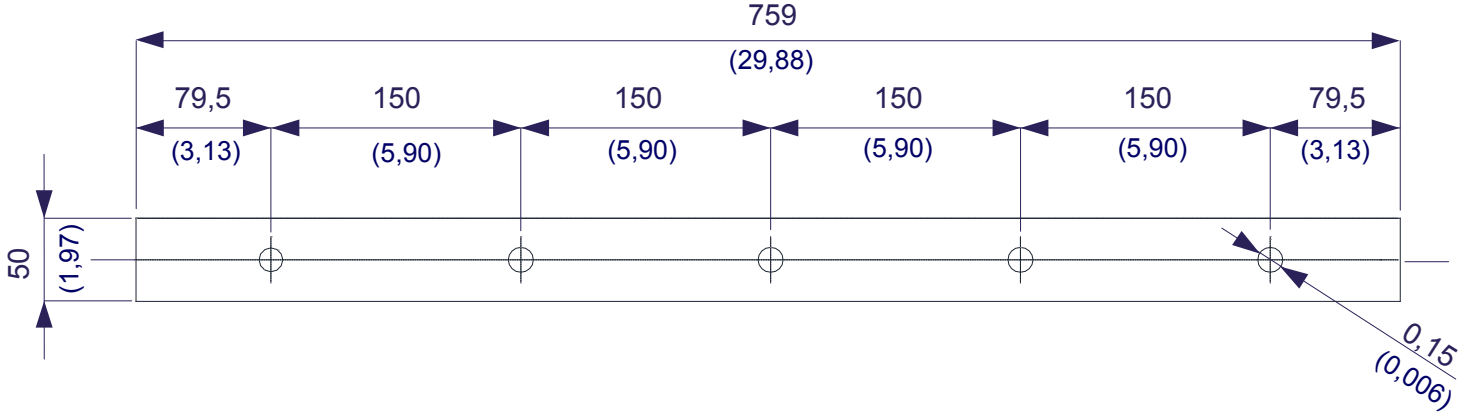
80VM000044
Box of 50 pcs.



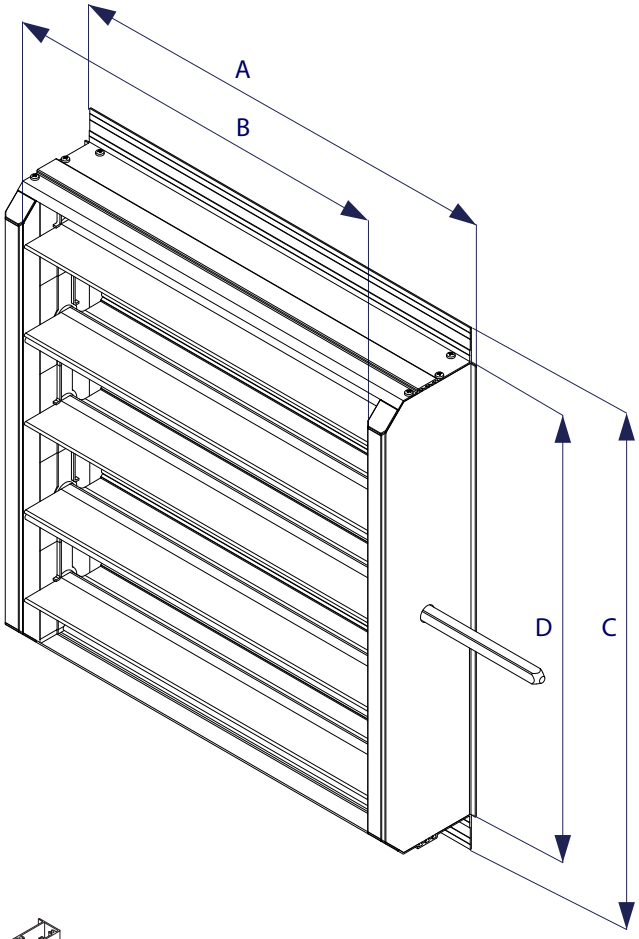
80VM000043
Box of 50 pcs.



30VM000585
Box of 50 pcs.



3D representation of double damper

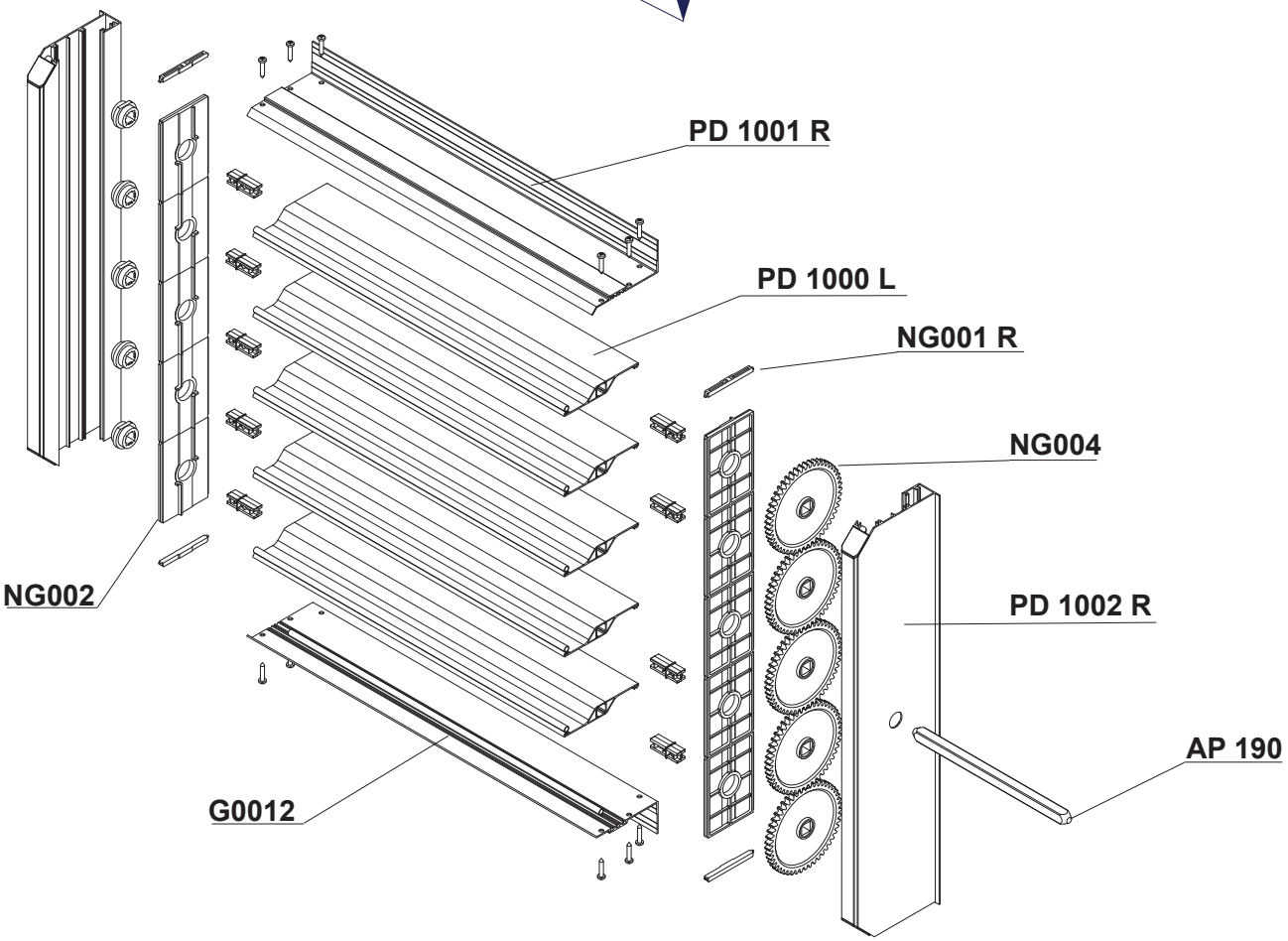


SINGLE DAMPER FORMULA

SINGLE DAMPER
A = B - 60 mm
BLADE length = B - 3 mm / 2 mm
C = D - 80 mm
D = see table below

DIMENSION FOR PROFILE "D"
L = N° blades x 100 mm + 10 mm + TOLERANCES

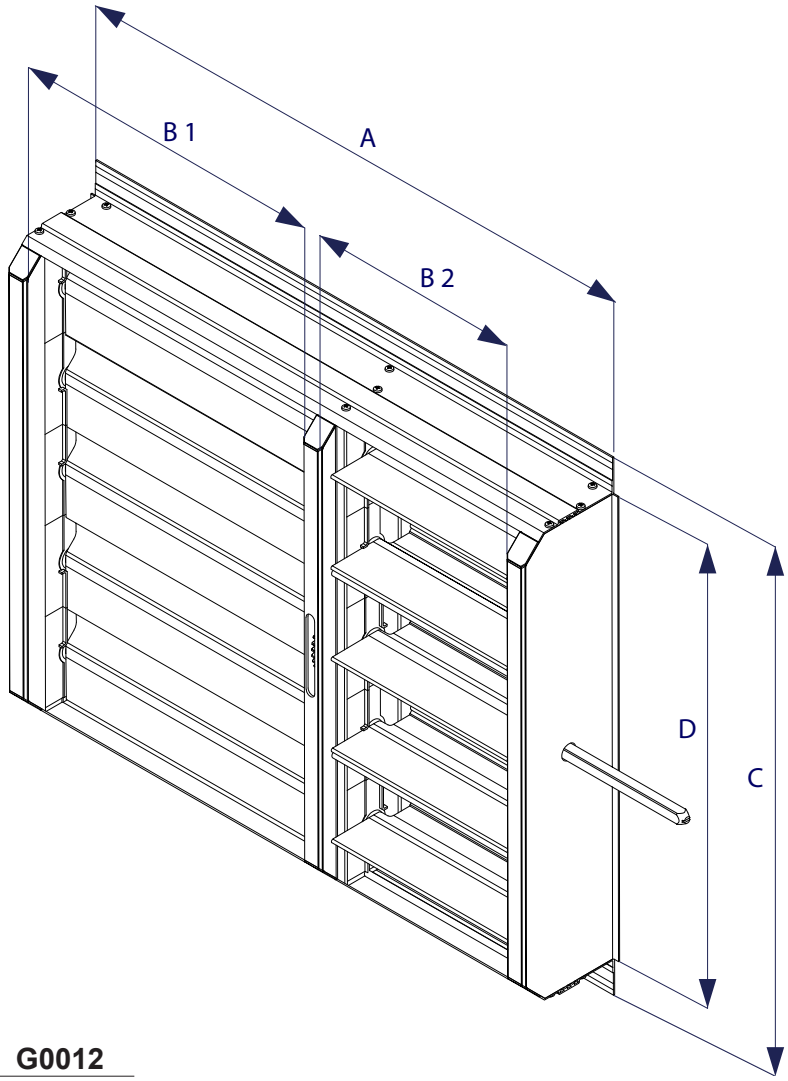
TOLERANCES = ± 1



3D representation of double damper

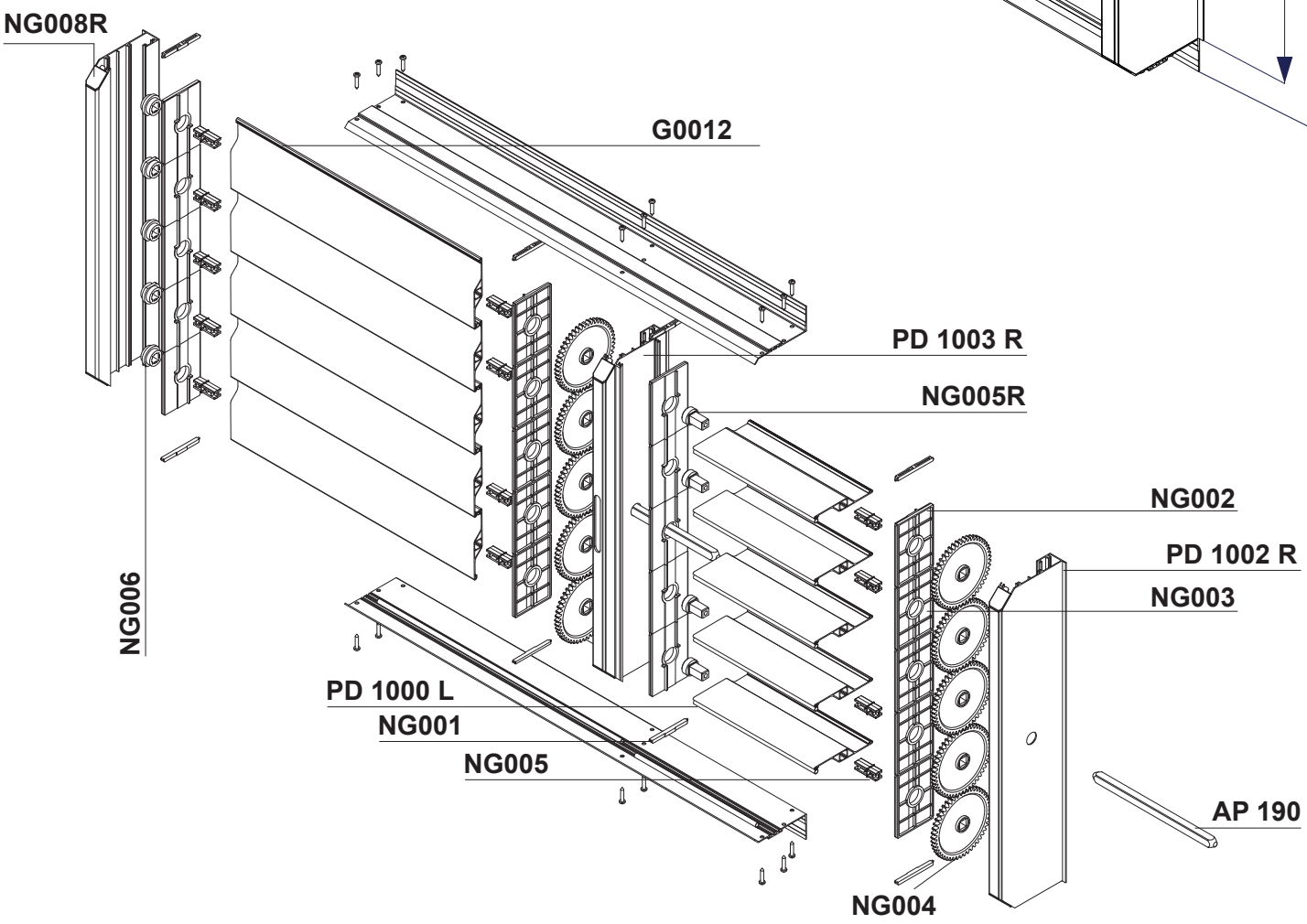
DOUBLE DAMPER FORMULA

DOUBLE DAMPER
B = A - 60 mm
B1 = B - (B2 + 32.5 mm)
B2 = B - (B1 + 32.5 mm)
BLADE length = B1 - 2 mm
B2 - 2 mm
C = D - 80 mm
D = see table below

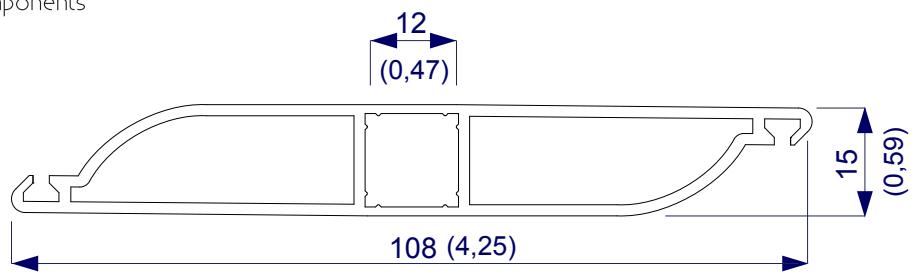


DIMENSION FOR PROFILE "D"
L = N° blades x 100 mm + 10 mm + TOLERANCES

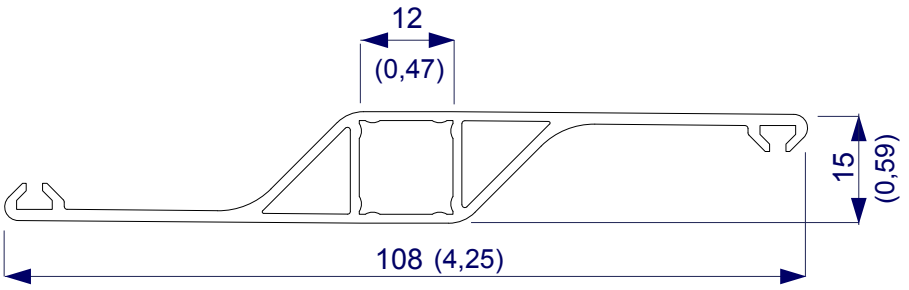
TOLERANCES = ± 1



PD 1000
Weight kg/m 1,013
(lb/ft 0,681)
Bundle of 3 bars



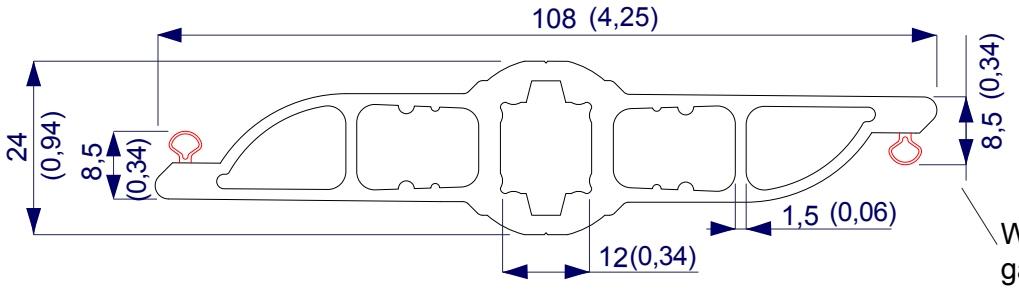
PD 1000 L
Weight kg/m 0,752
(lb/ft 0,505)
Bundle of 3 bars



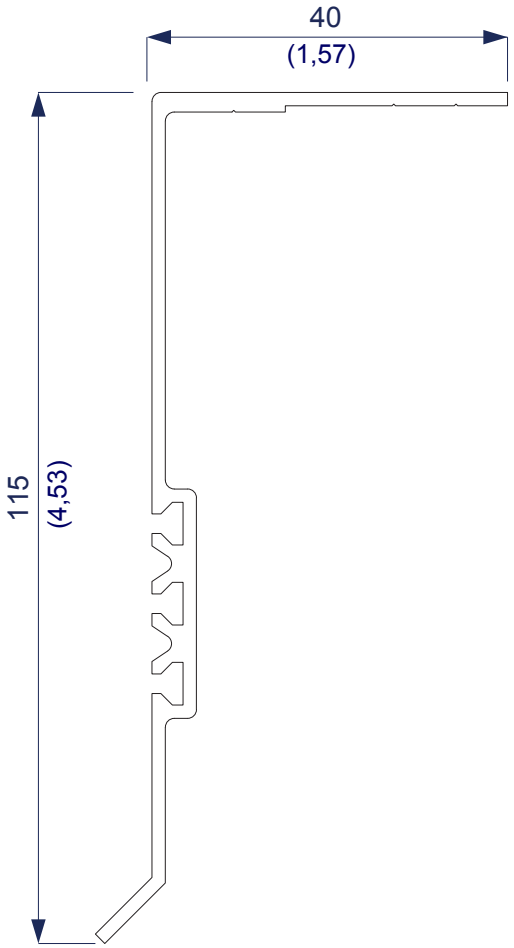
GASKET

G0012
Box of 500 mt.

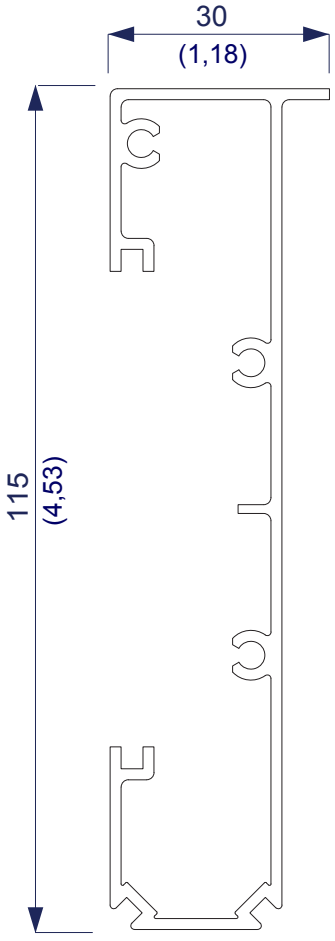
PLA PD 1000 G2
Weight kg/m 0,752
(lb/ft 0,505)
Bundle of 3 bars



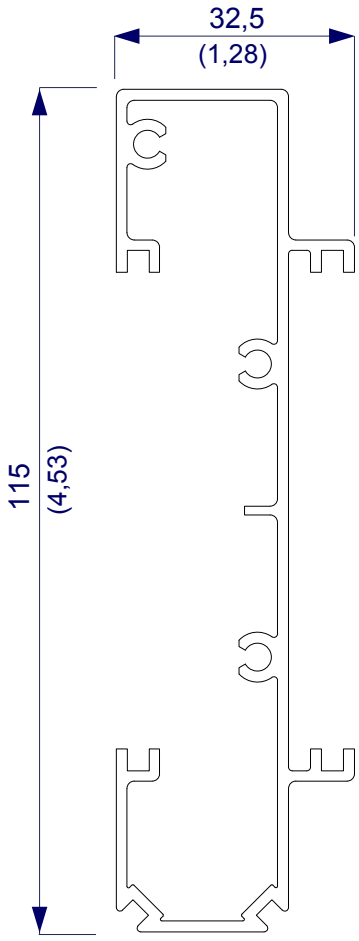
With co-extruded gasket



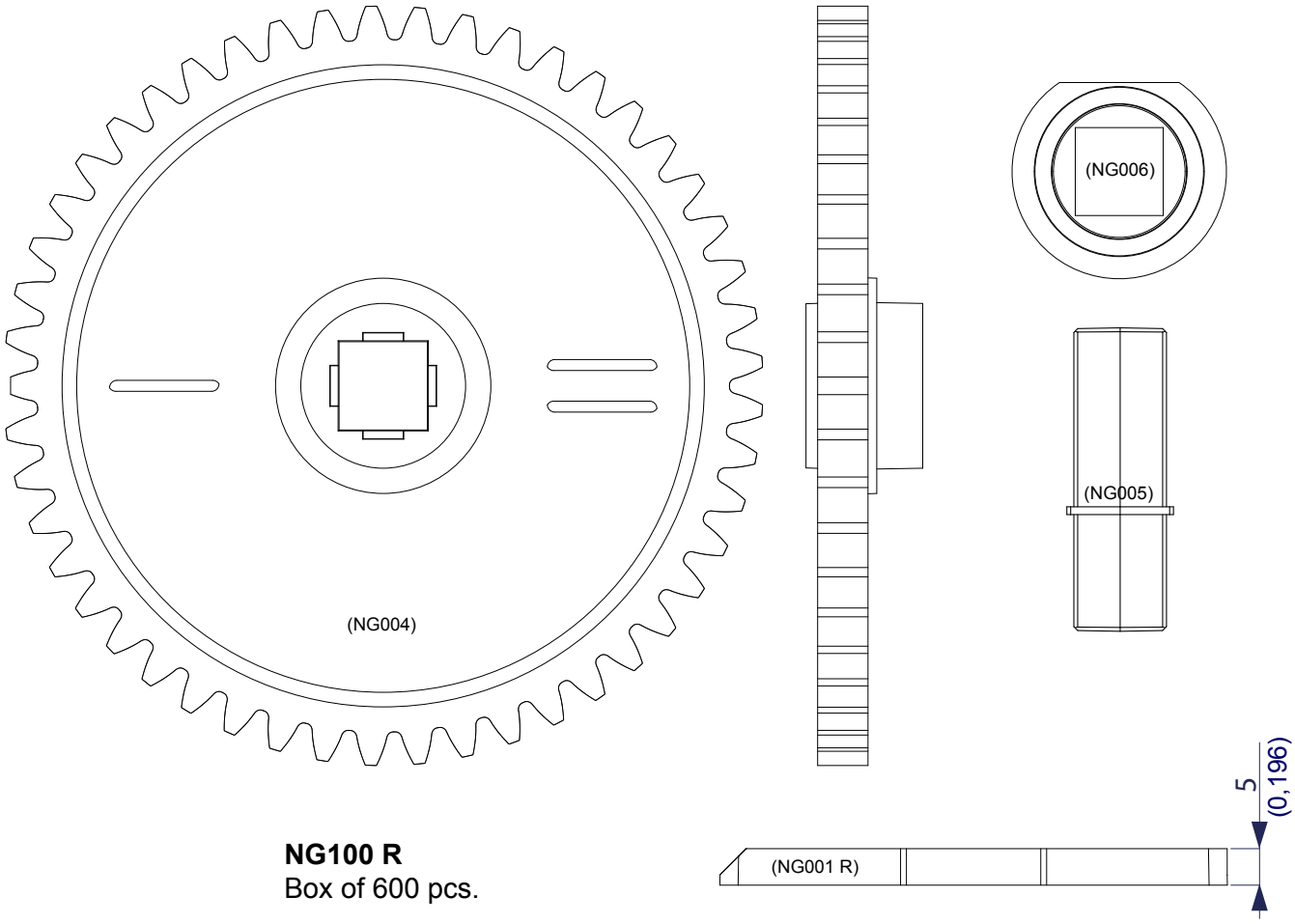
PD 1001 R
Weight kg/m 0,691
(lb/ft 0,463)
Bundle of 4 bars



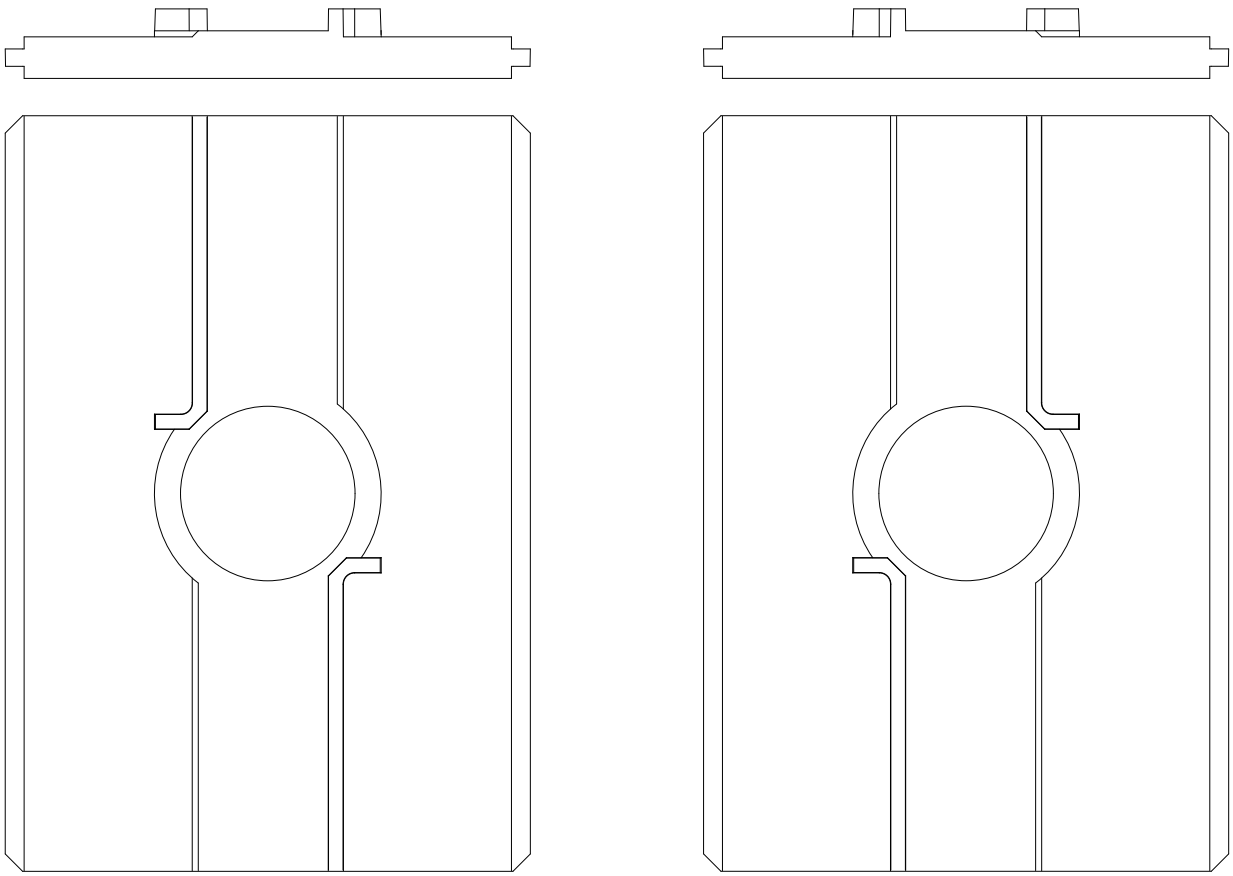
PD 1002 R
Weight kg/m 1,110
(lb/ft 0,746)
Bundle of 2 bars



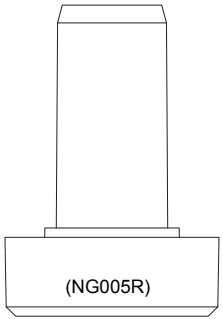
PD 1003 R
Weight kg/m 1,191
(lb/ft 0,800)
Bundle of 2 bars

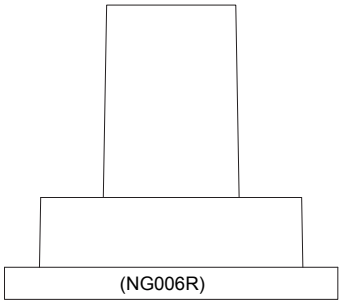


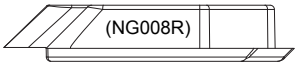
NG100 R
Box of 600 pcs.

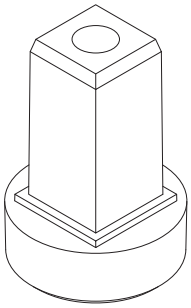


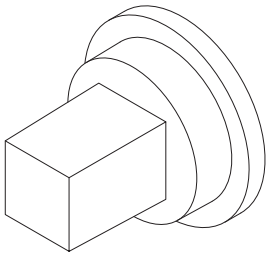
Accessori e perni

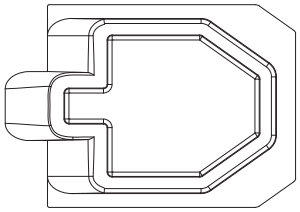






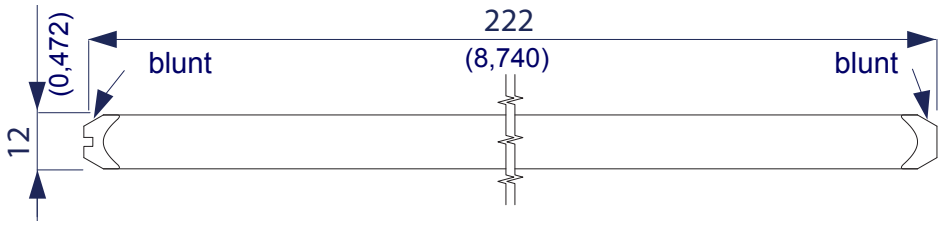






PERNI RECUPERATORE

Q 12X12 L=222



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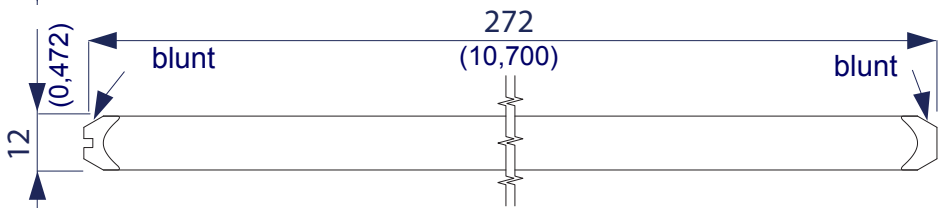

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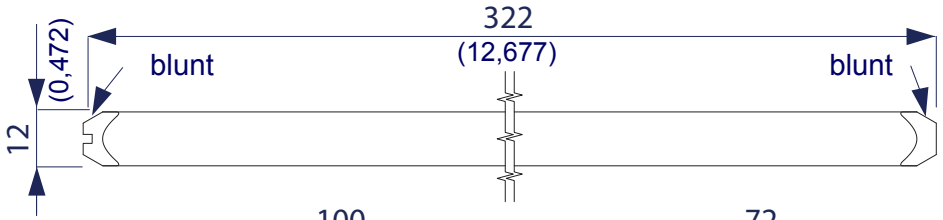

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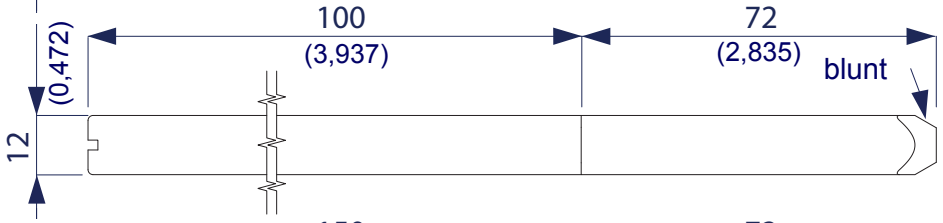

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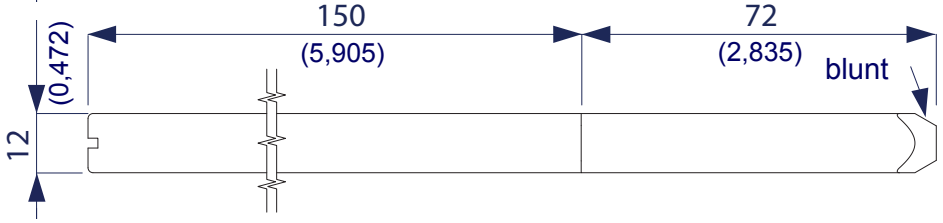

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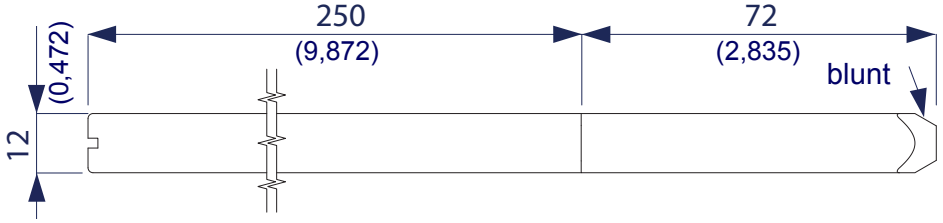
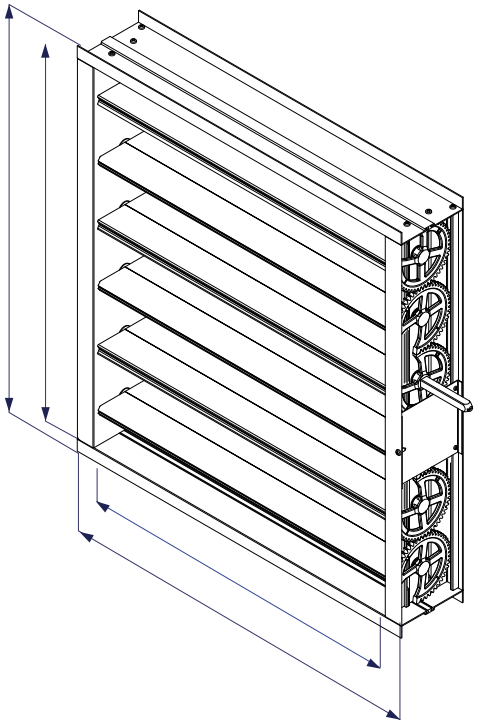
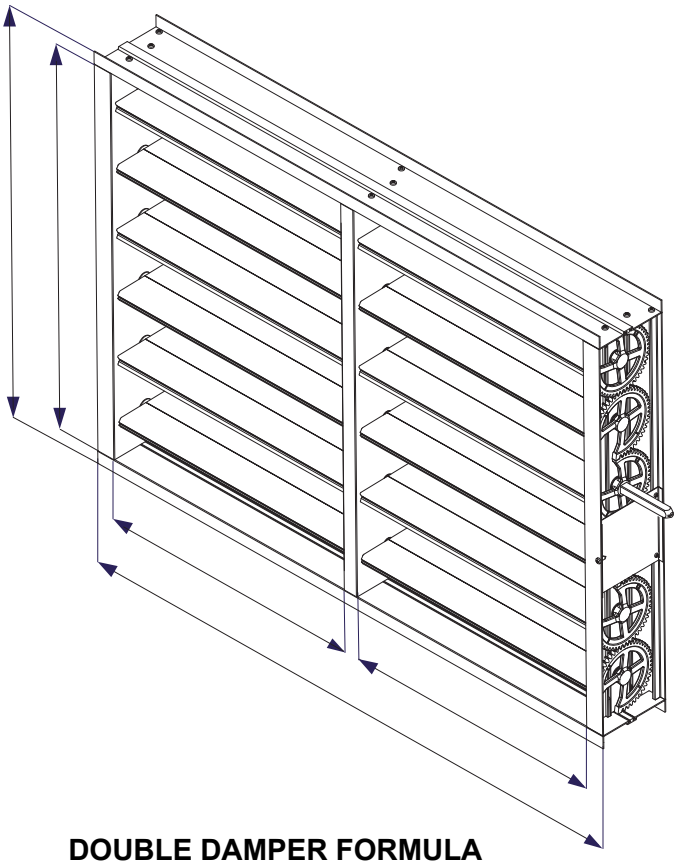


NS

3D representation of double damper



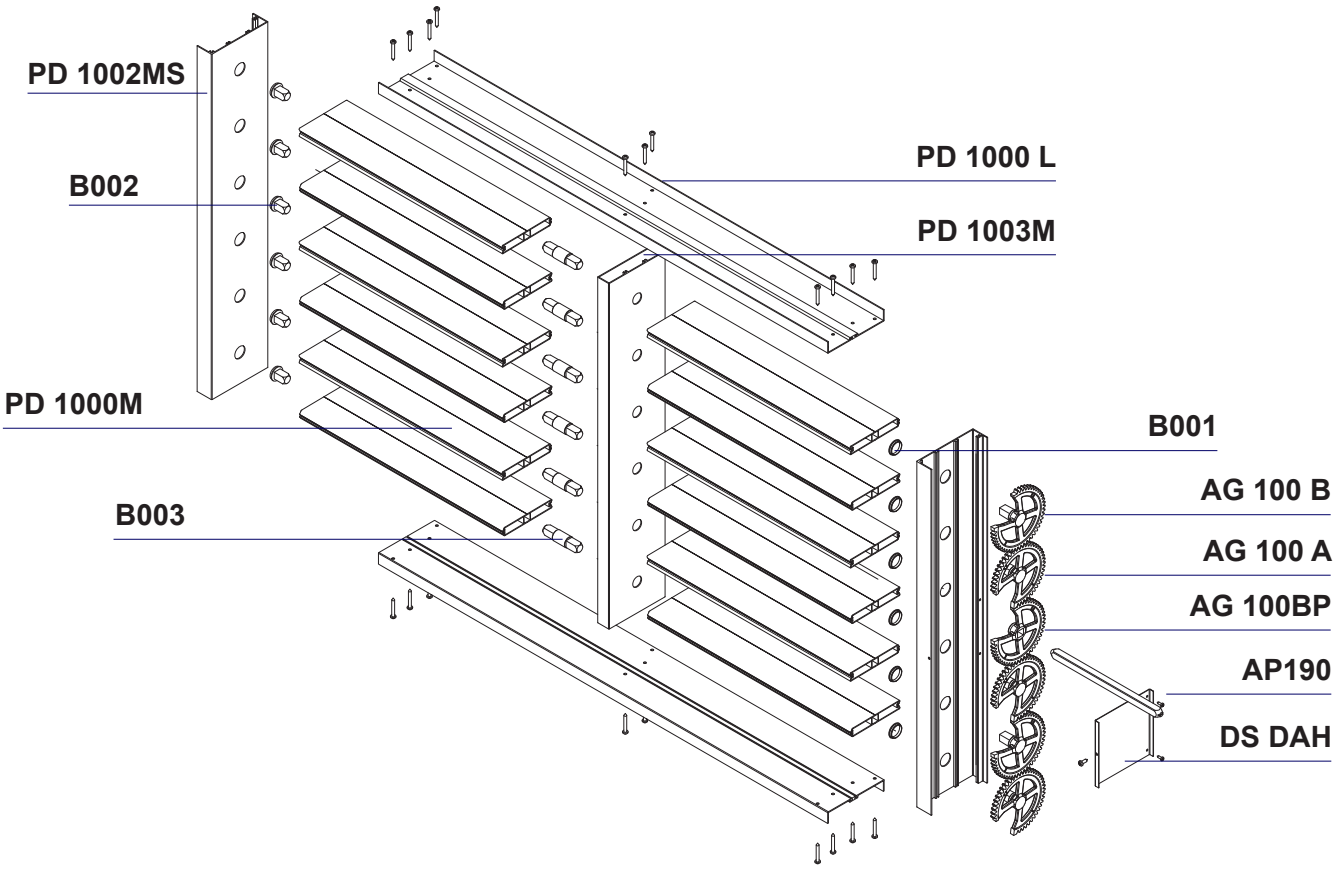


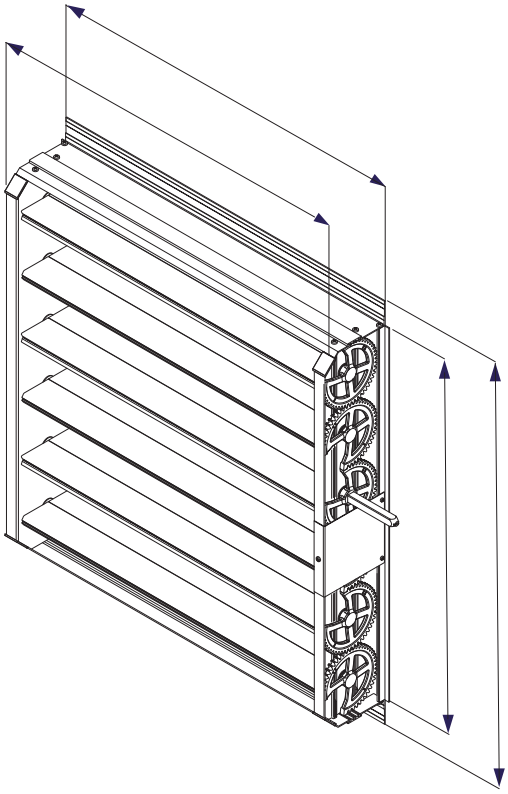
SINGLE DAMPER FORMULA

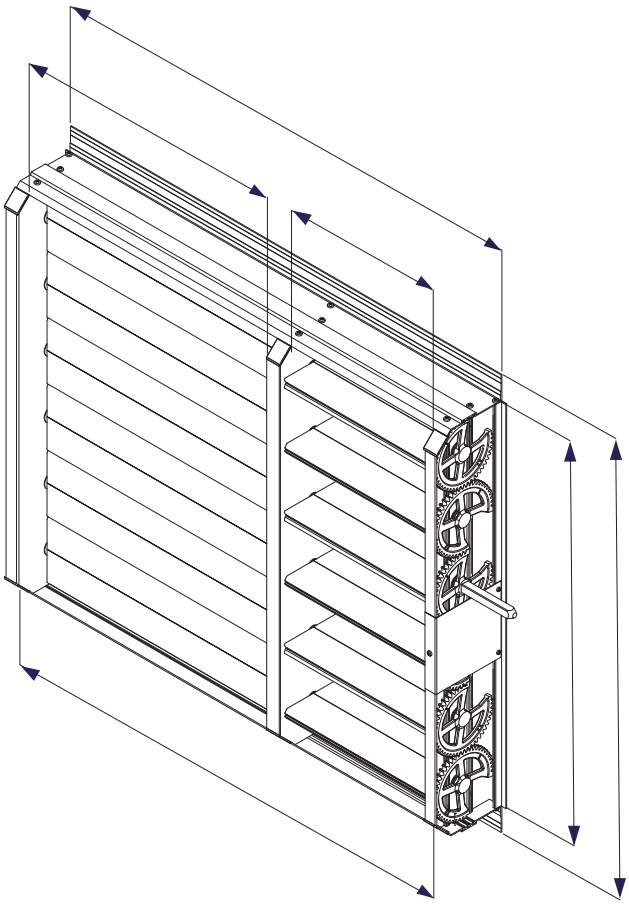
STANDARD
A = B + 60 mm
BLADE length = B - 2 mm
C = D + 40 mm

DOUBLE DAMPER FORMULA

DOUBLE DAMPER
A = B1+ B2 + 60 mm + 23.5 MM
BLADE length = B1 o (B2) - 2 mm
C = D + 40 mm





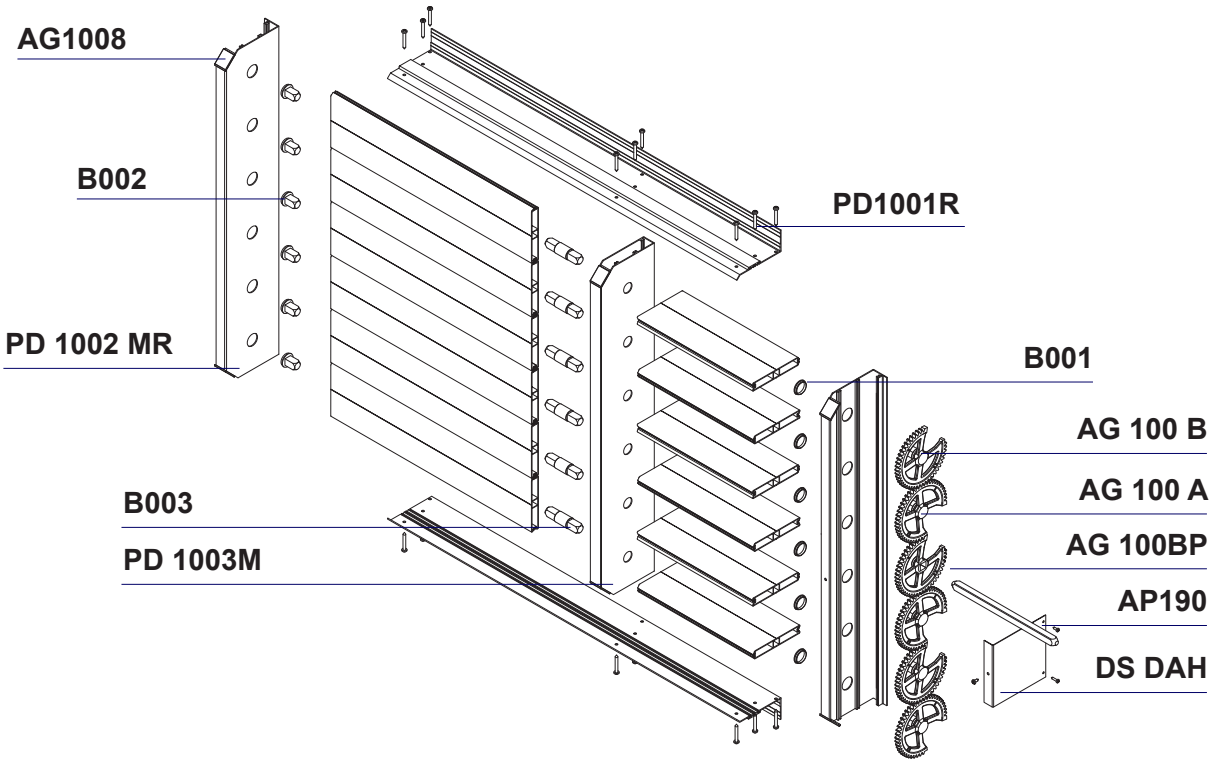


SINGLE DAMPER FORMULA

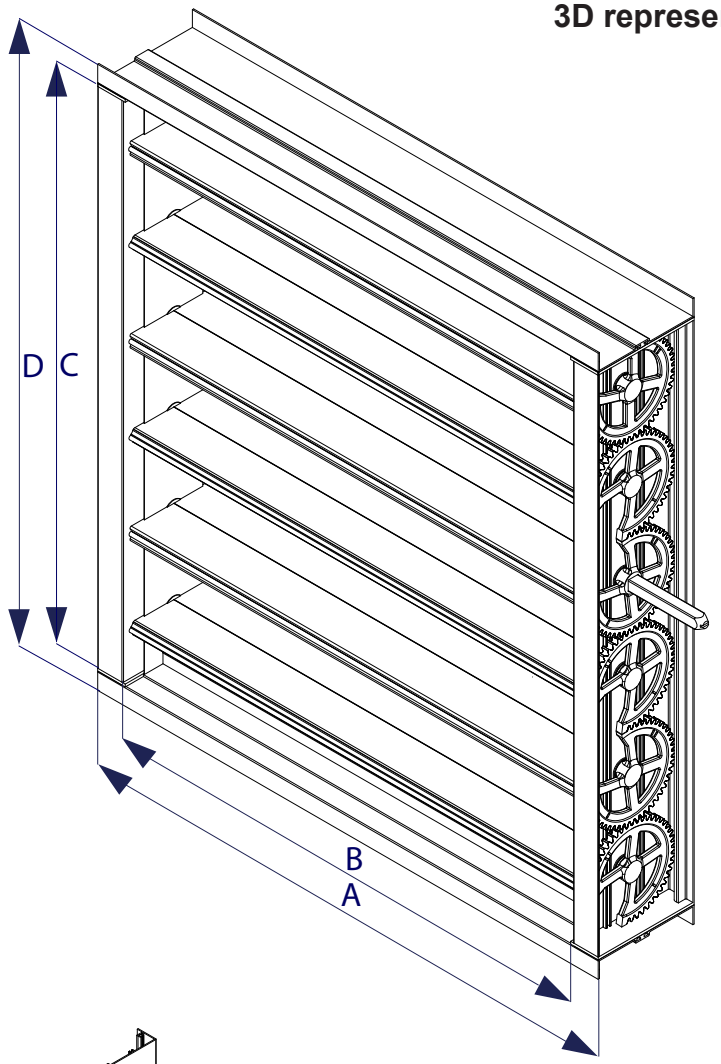
RECUPERATOR
A = B + 60 mm
BLADE length = B - 2 mm
C = D + 40 mm
“D” SHOULDER PROFILE SIZING
L = N° of blades x 100 mm + 10 mm

DOUBLE DAMPER FORMULA

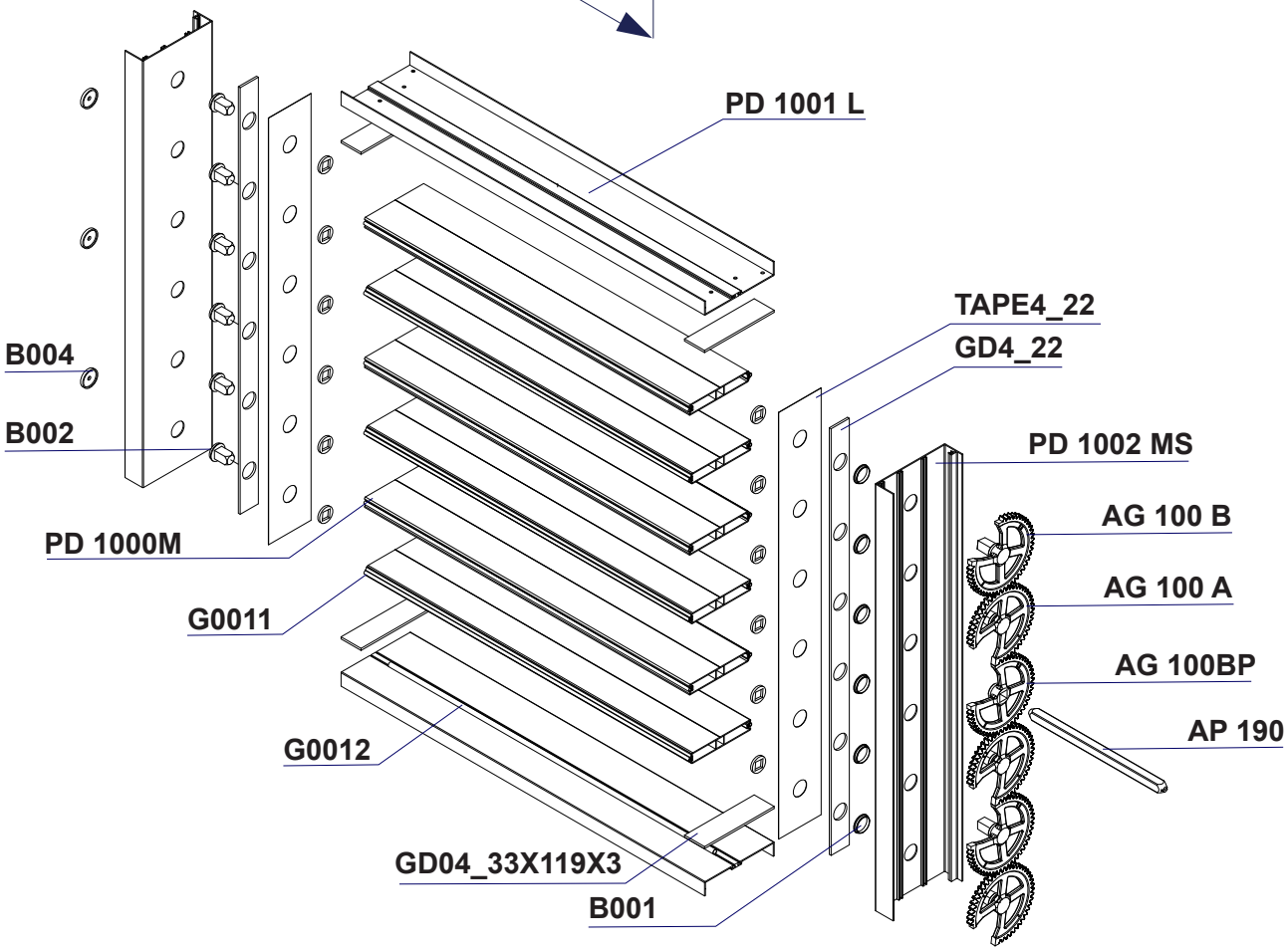
RECOVERY
A = B1+ B2 + 60 mm + 23.5 MM
BLADE length = B1 O (B2) - 2 mm
C = D + 80 mm
“D” SHOULDER PROFILE SIZING
L = N° of blades x 100 mm + 10 mm



3D representation of double damper



FORMULA PITCH
SINGLE DAMPER CLASS 4
A = B + 60 mm
Lenght of BLADES = B - 3mm
C = D + 40 mm
“D” SHOULDER PROFILE SIZING
L = N° blades pale x 100 mm + 10 mm

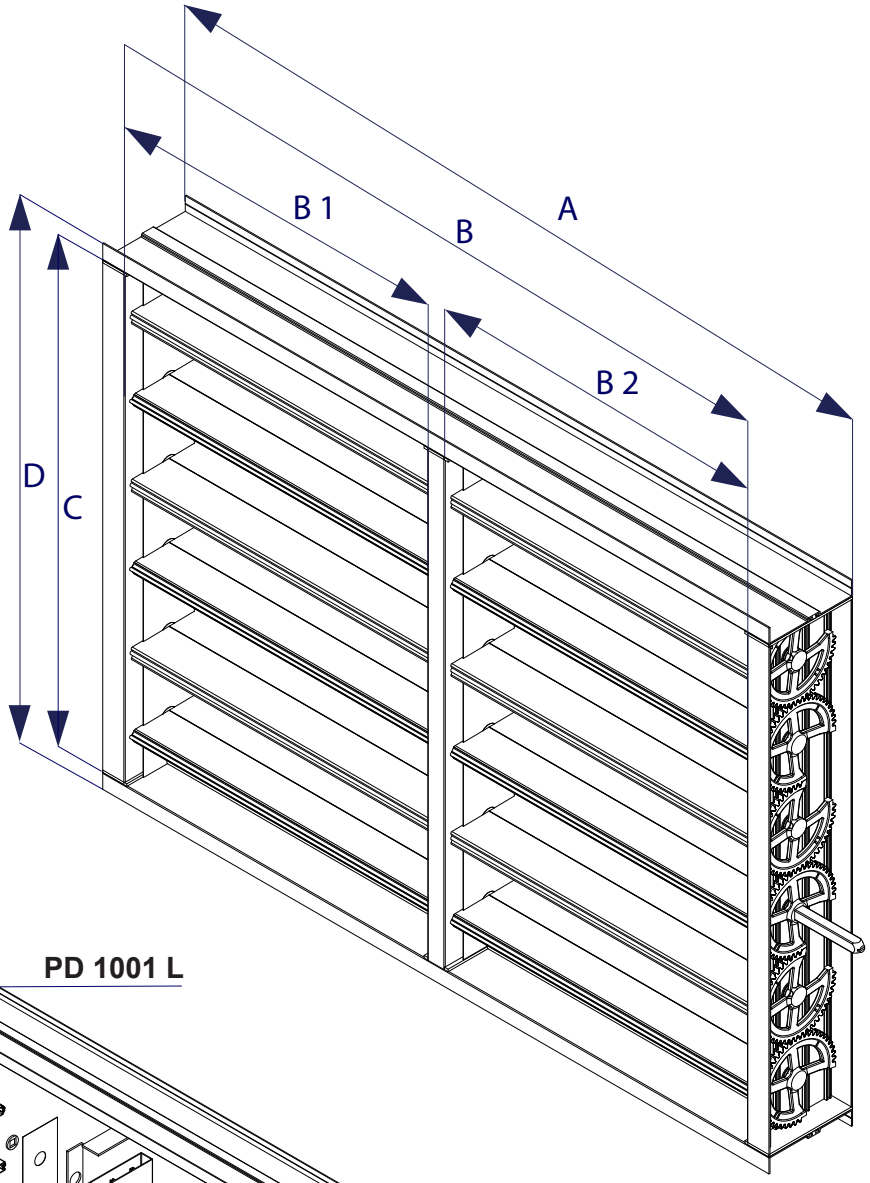


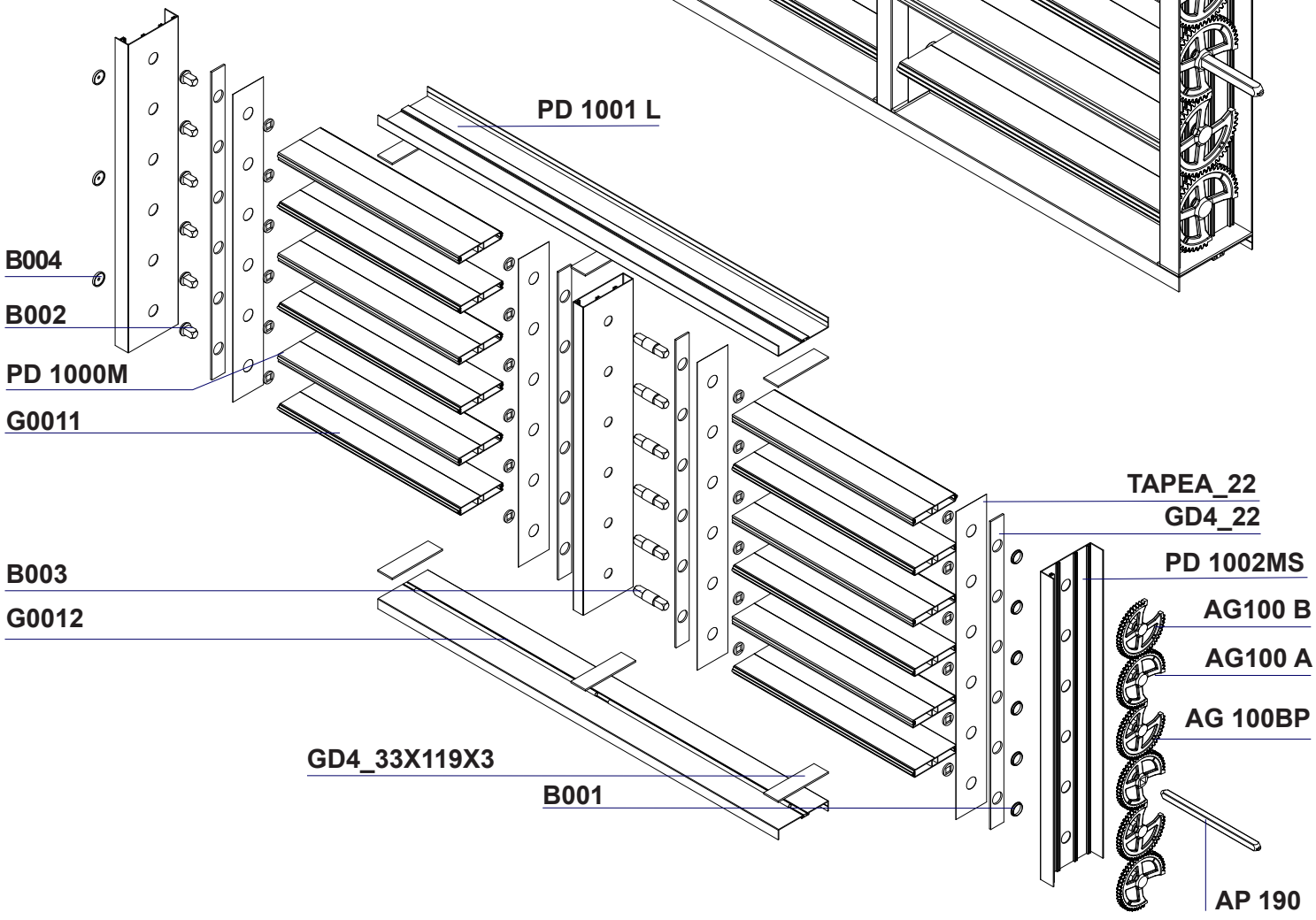
3D representation of double damper

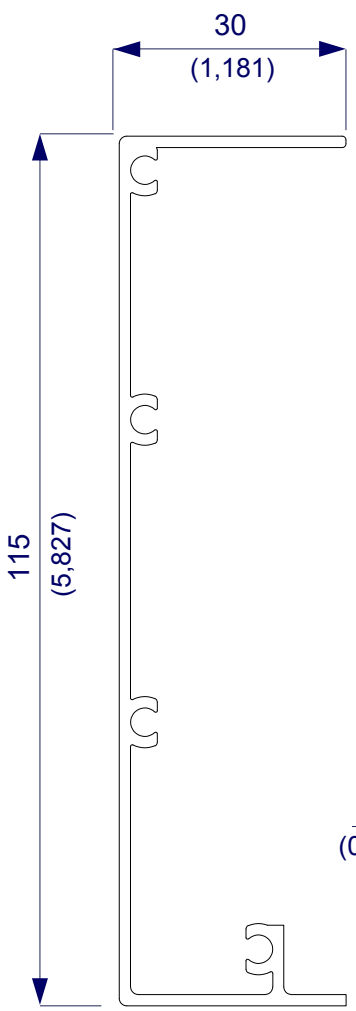
DOUBLE DAMPER FORMULA

DOUBLE DAMPER
A = B - 60 mm
B1 = B2 = (B - 23.5 mm) / 2
BLADE length = B1 - 4 mm
B2 - 4 mm
C = D - 40 mm
D = see table below

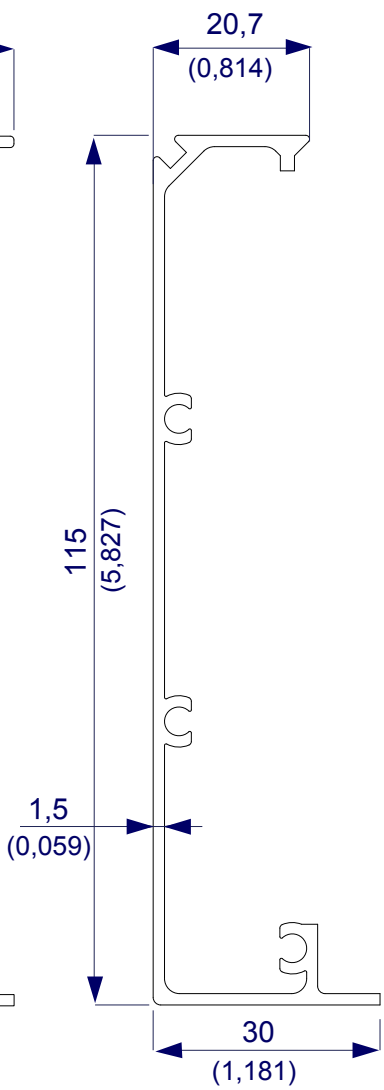
"D" SHOULDER PROFILE SIZING
L = No. of blades x 100 mm + 10 mm



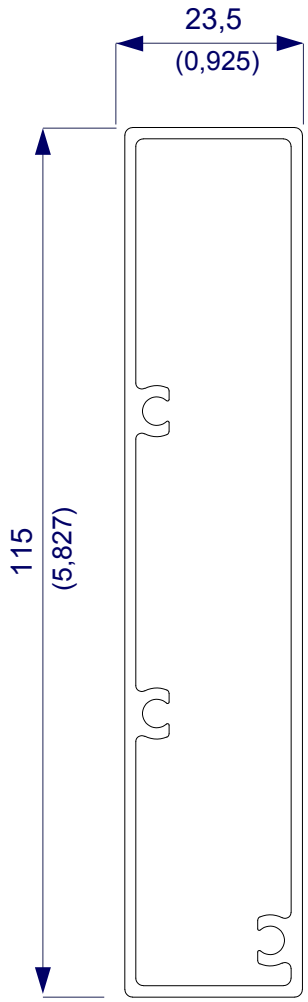




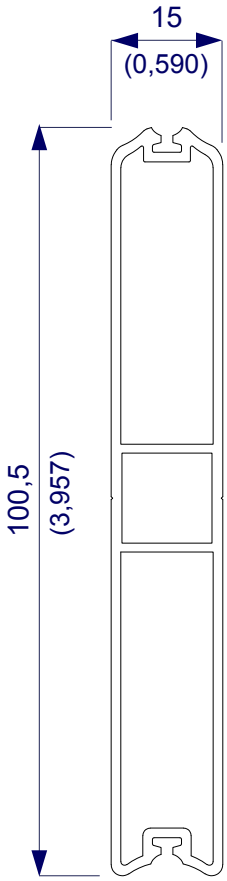
PD 1002MS
Weight kg/m 1,167
(lb/ft 0,784)
Bundle of 2 bars



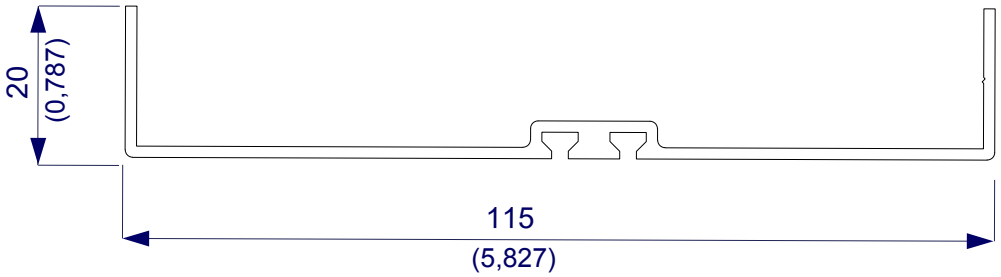
PD 1002MR
Weight kg/m 0,826
(lb/ft 0,555)
Bundle of 2 bars



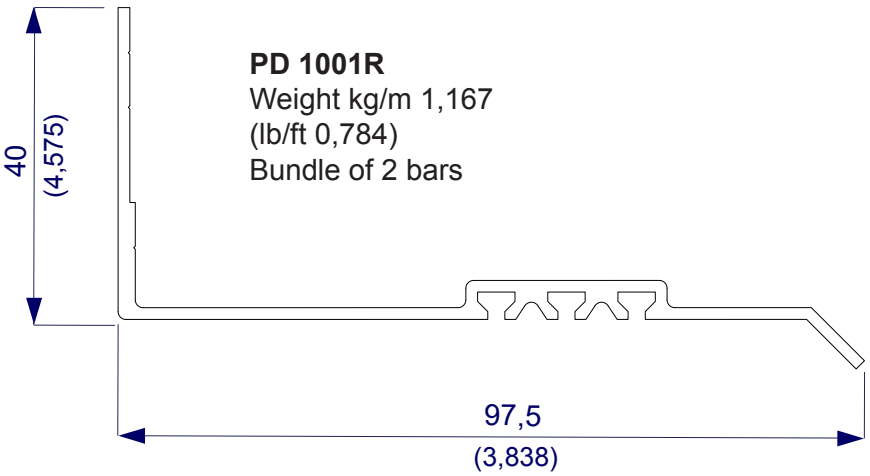
PD 1003M
Weight kg/m 1,167
(lb/ft 0,784)
Bundle of 2 bars



PD 1000M
Weight kg/m 1,167
(lb/ft 0,784)
Bundle of 2 bars

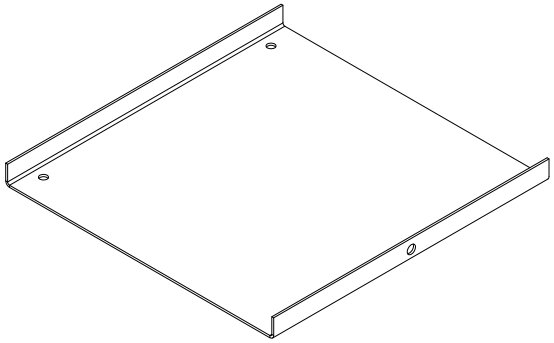


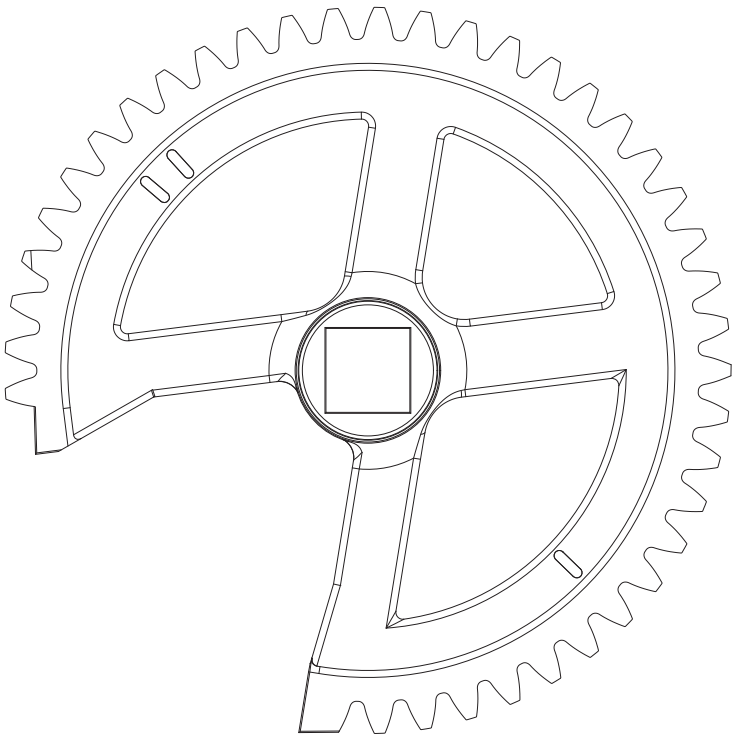
PD 1001L
Weight kg/m 1,167
(lb/ft 0,784)
Bundle of 2 bars

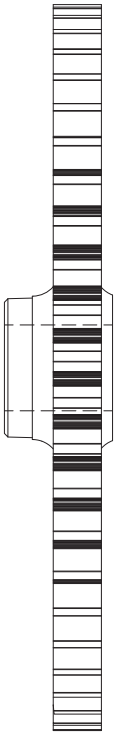


PD 1001R
Weight kg/m 1,167
(lb/ft 0,784)
Bundle of 2 bars

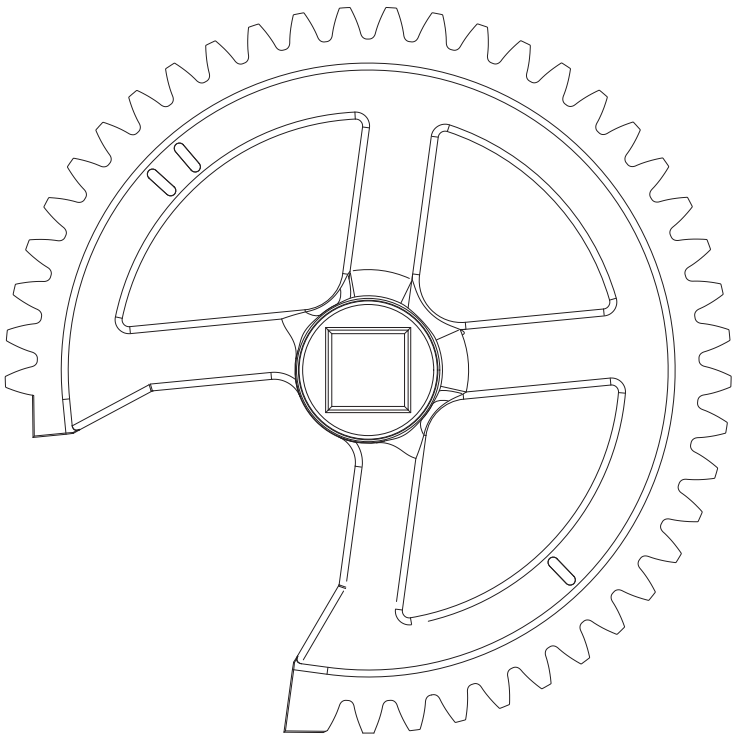
ENGINE HOLDER
DS DAH

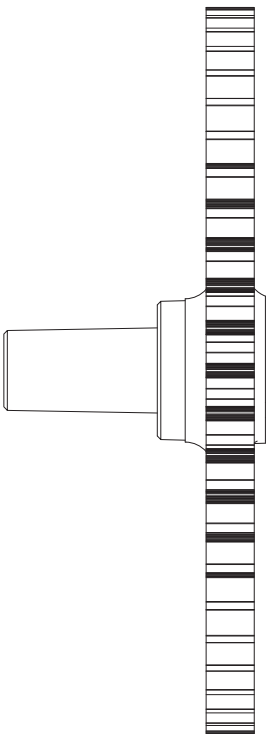




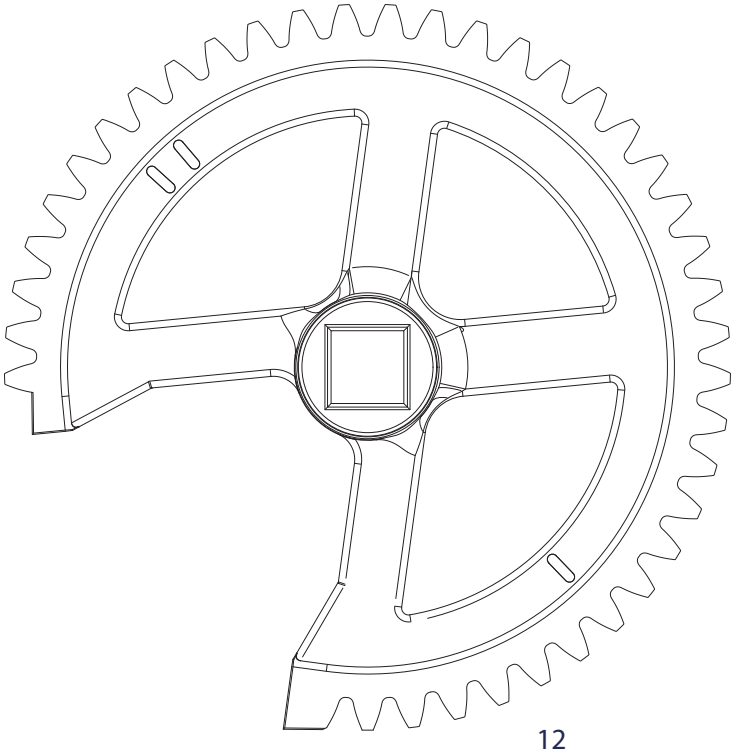


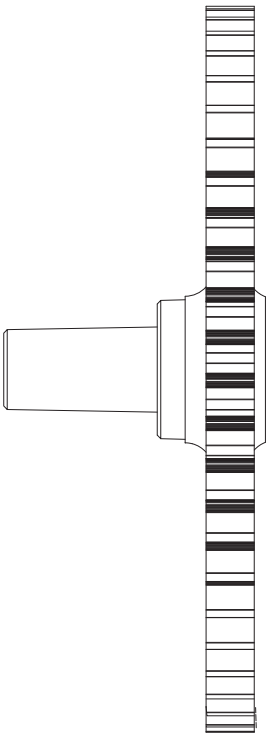
AG 100BP
Boxes of 100 pcs.



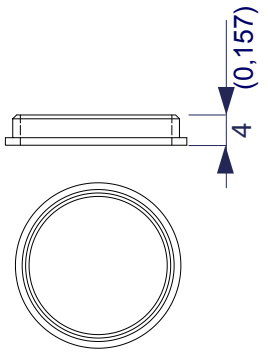


AG 100 A
Boxes of 100 pcs.

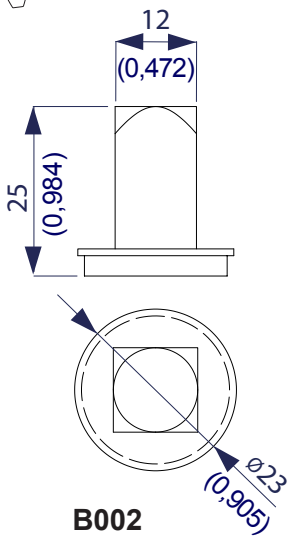




AG 100 B
Boxes of 100 pcs.

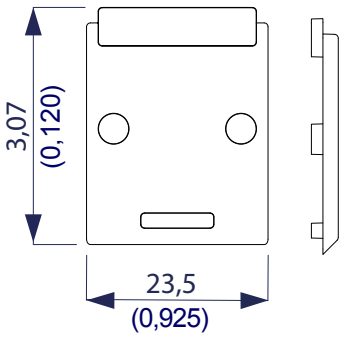


B001
INCLUDED IN
AG 100BP
AG 100 A
AG 100 B

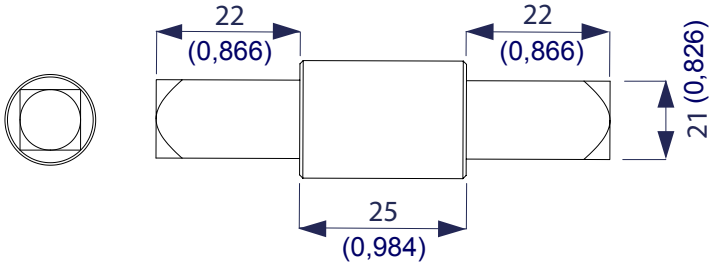


B002
INCLUDED IN
AG 100BP
AG 100 A
AG 100 B

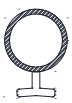
AG 1008



B003
FOR DOUBLE DAMPERS



GASKET

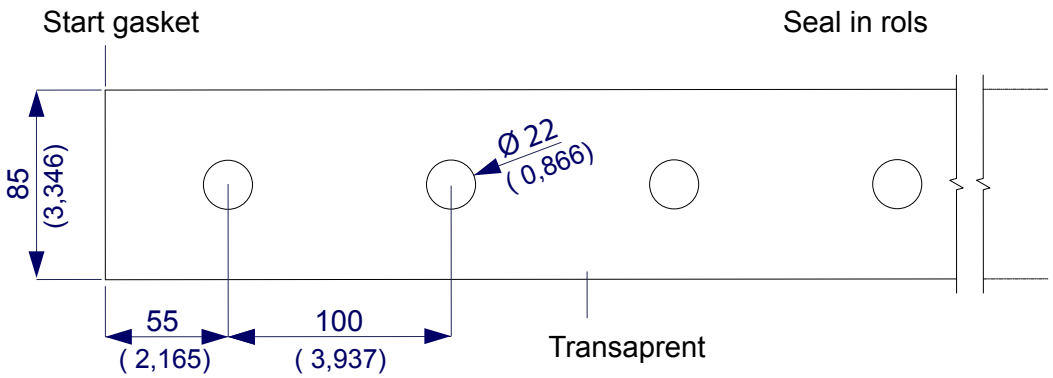


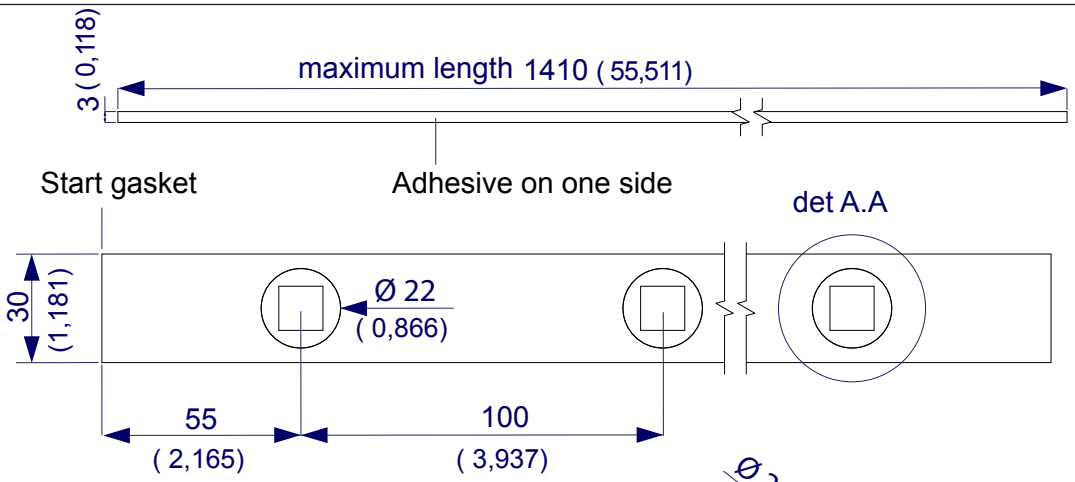
G0012
Box of 500 mt.

GASKET

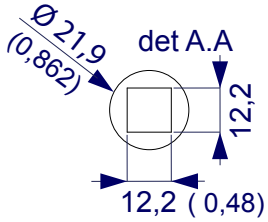
G0011
Box of 500 mt.

TAPE4_22
1 rol

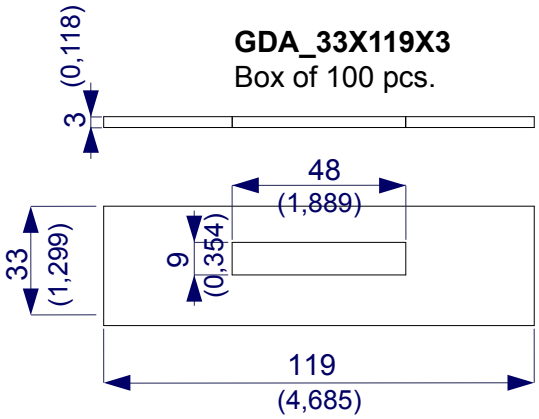




GDA_22
Box of 500 mt.



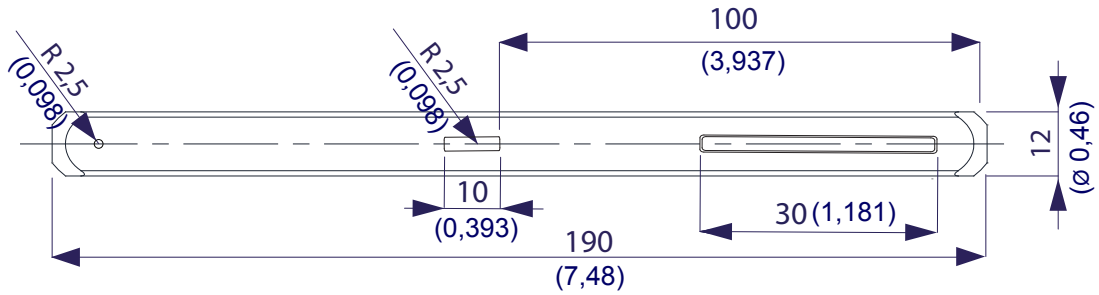
Separable washer



GDA_33X119X3
Box of 100 pcs.

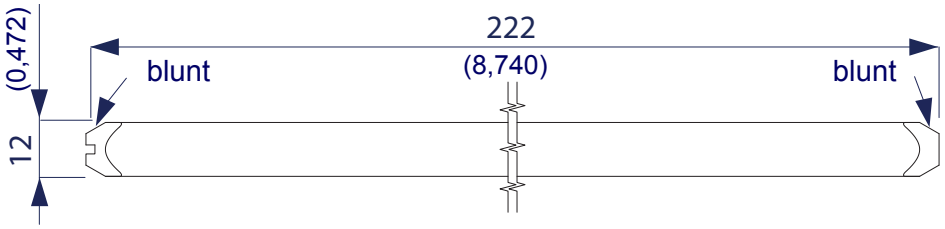
DAMPER SHAFTS

AP 190
Box of 150 pcs.

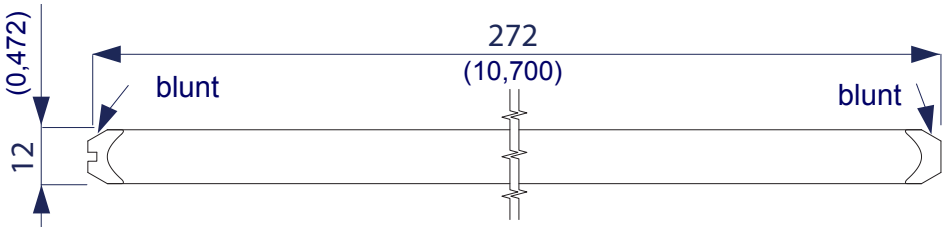


NS

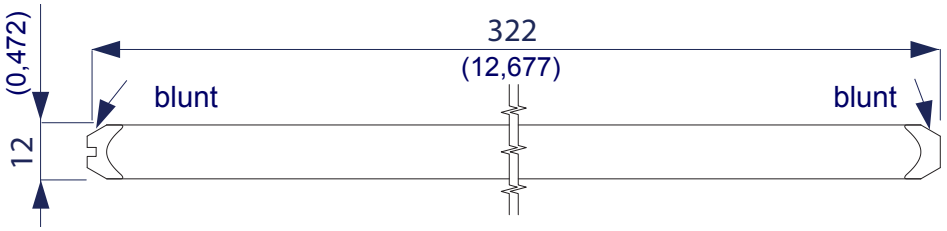
Q 12X12 L=222



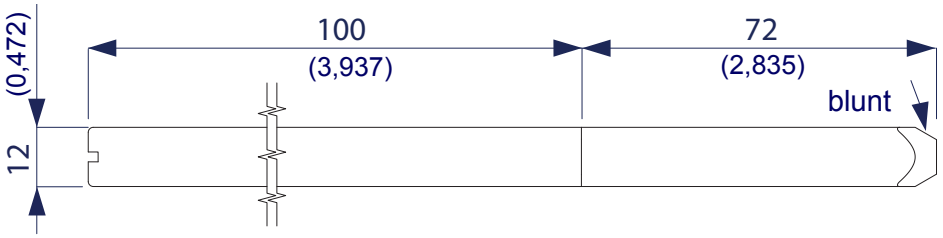
Q 12X12 L=272



Q 12X12 L=322



Ø Q 12X12 L=172



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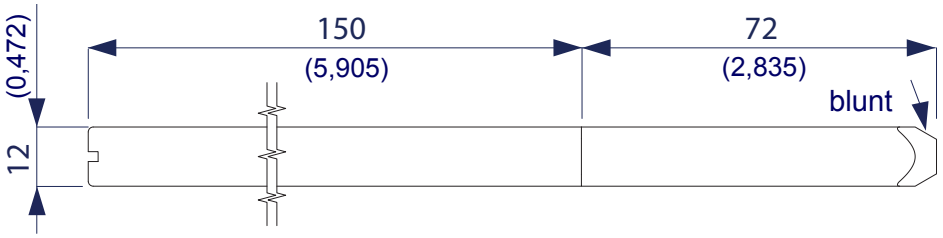

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