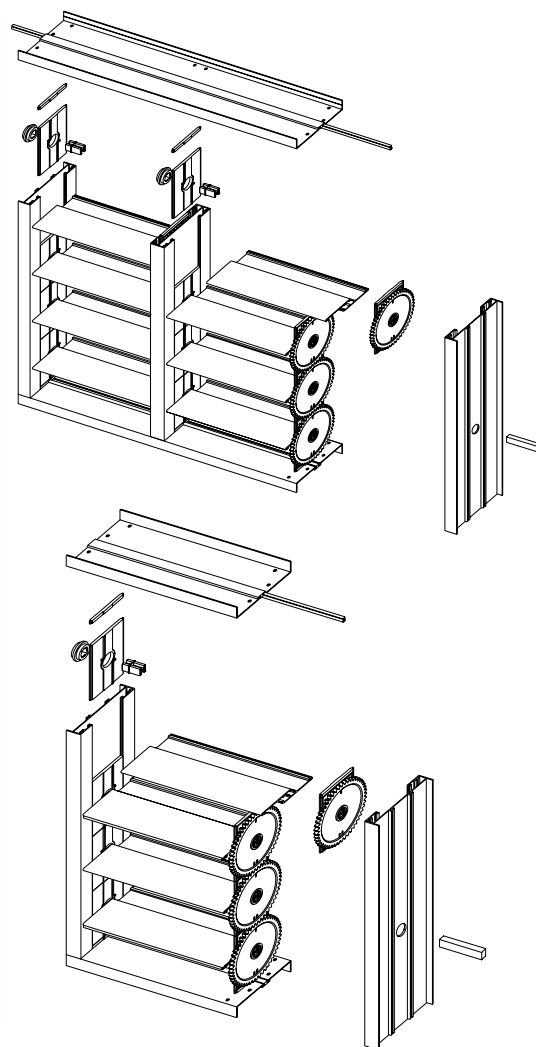


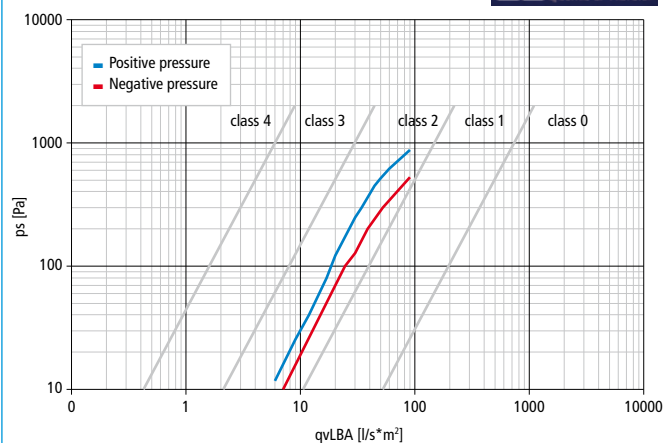
CLASS 2 light damper



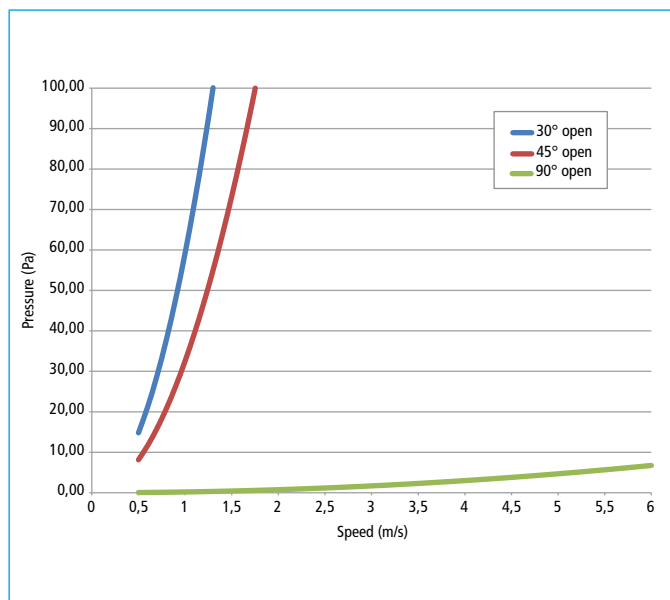
This damper was designed to meet the requirements of limitation of weights, by keeping the same structural features of the standard damper. The blade pitch, the gasket, the closing and assembly systems remain unchanged.

Test

Test report No. 268614 dated 22.04.2010



Characteristic leakage "qvLBA" / Static pressure "ps" curve for assembled damper 1200x810

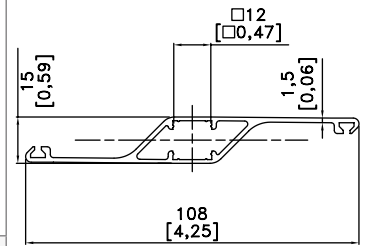
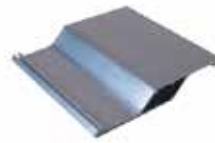


Aluminium profiles

TECHNICAL DATA

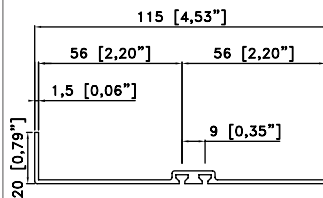
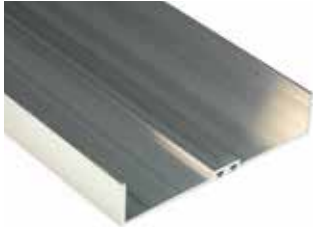
Max profile lenght	6000 mm / 234"
Material	EN AW 6060
Finish	Natural / Painted / Oxidized
Treatment	T6
Color	RAL

PS100.S.00 Blade profile



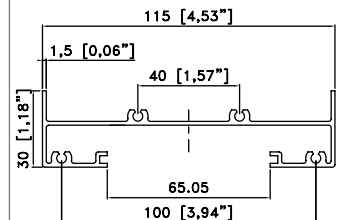
Weight: **0.759 kg/m**

PS110.S.00 Top-bottom profile



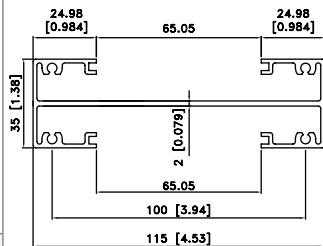
Weight: **0.733 kg/m**

PS120.S.00 Shoulder profile



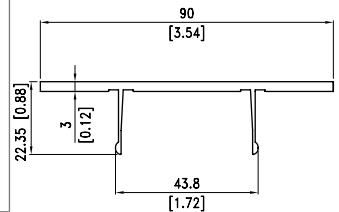
Weight: **1.229 kg/m**

PS130.S.00 Intermediate profile



Weight: **1.715 kg/m**

P.M.S80000 Profile for motor



Weight: **0.832 kg/m**

Gaskets

GUAR.00005



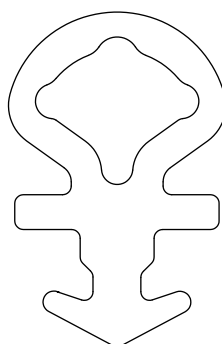
Material: **EPDM**
Working temp.: **-20°C / +70°C**
Peak temp.: **-25°C / +85°C**
Color: **Black**

GUAR.TPE05



Material: **TPE-V**
Working temp.: **-30°C / +120°C**
Peak temp.: **-40°C / +135°C**
Color: **Black**

Tubular gasket



GA.1200000



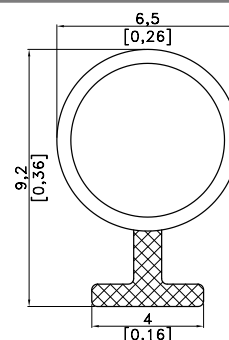
Material: **TPE-V and PP**
Working temp.: **-30°C / +120°C**
Peak temp.: **-40°C / +135°C**
Color: **Black**

GA.12AB000 Antibacterial certified VDI6022

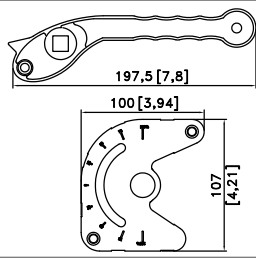
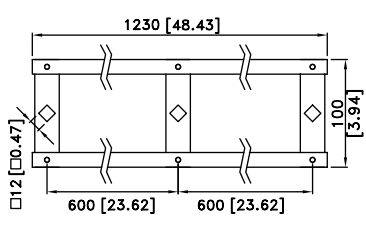
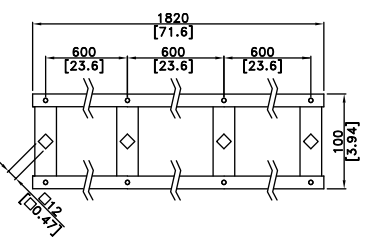
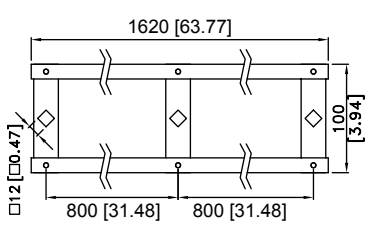
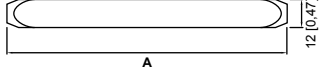
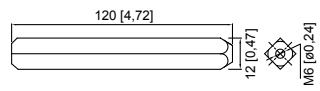
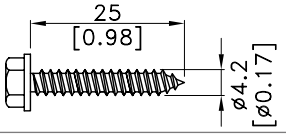
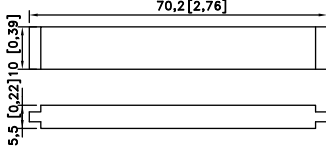
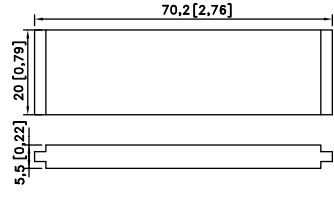
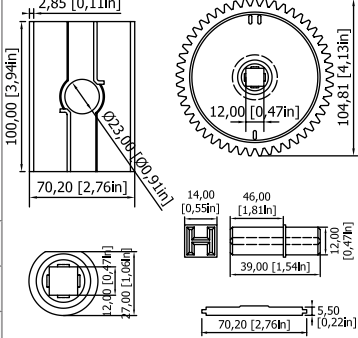
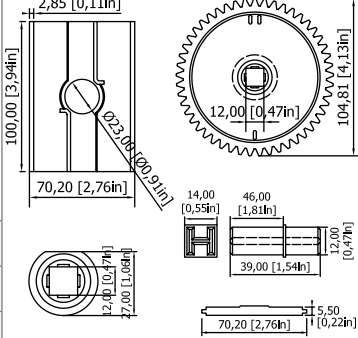


Material: **TPE-V and PP**
Working temp.: **-30°C / +120°C**
Peak temp.: **-40°C / +135°C**
Color: **Black**

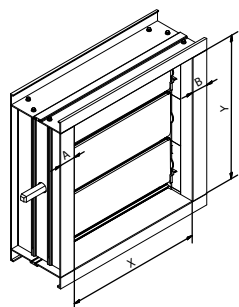
Tubular gasket



Accessories

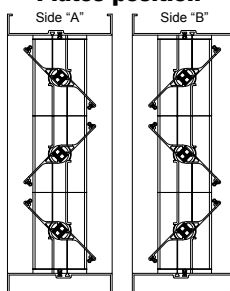
MPS2012000 Handle		LEV.LUNG00 Leverage for dual control	
			
Material: EN AB 46100		Material: Steel	
Color: RAL		Weight: 1400 g	
			
LEV.1820.4 Leverage for dual control		LEV.1600.3 Leverage for dual control	
			
Material: Steel		Material: Steel	
Weight: 2000 g		Weight: 2000 g	
Finish: Galvanized		Finish: Galvanized	
			
Control shaft / Transmission shaft		Technical data	
		Dimensions	
		Material: Steel	
Finish: Galvanized		PFE1200000 A = 120 mm	
		PFE1600000 A = 160 mm	
		PFE1900000 A = 190 mm	
		PFE2100000 A = 210 mm	
		PFE3000000 A = 300 mm	
		PFE3700000 A = 370 mm	
PFE120.F80 Leverage shaft		VTE1000000 Screw	
			
Material: Steel		Material: Steel	
Finish: Galvanized		Finish: Galvanized	
			
S.10PP0000 10 mm thickness		S.20PP0000 20 mm thickness	
			
Material: PP		Material: PP	
Temperature: +80°C / -15°C		Temperature: +80°C / -15°C	
Color: Black		Color: Black	
			
CPS93.PP00 Standard		CPS2007000 For low temperatures	
			
Material: PP		Material: Zytel 80G14 Dupont	
Temperature: +80°C / -15°C		Temperature: +80°C / -40°C	
Color: Black		Color: Grey	
			
CPS93PP.AB Antibacterial certified VDI6022		Blades mechanism	
			
Material: PP			
Temperature: +80°C / -15°C			
Color: Black			
			

Assembly Instructions



Cutting table		
Blade profile PS100.S.00	= X - 2.5 mm	
Base/cover profile PS110.S.00	= X + 70 mm [1 light]	
	= X1 + X2 + 105 mm [2 lights]	
	= X1 + X2 + X3 + 140 mm [3 lights]	
Shoulder profile PS120.S.00	= no. of blades x 100 mm + 10 mm + tolerance	
Tolerance		
from	to	tolerance
< 210 mm / 8.27'	< 610 mm / 23.02'	1 mm / 0.039'
< 610 mm / 23.02'	< 1410 mm / 55.51'	1.5 mm / 0.059'
< 1410 mm / 55.51'	< 2210 mm / 87'	2 mm / 0.078'
< 2210 mm / 87'		2.5 mm / 0.098'

Plates position



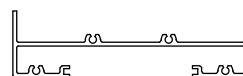
Aluminium profiles



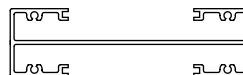
PS100.S.00



PS110.S.00



PS120.S.00



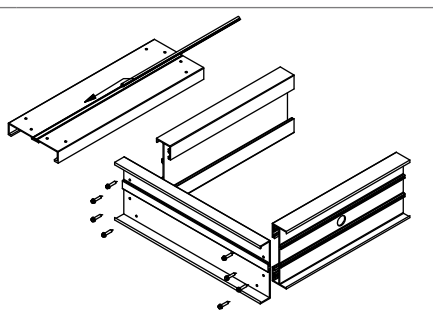
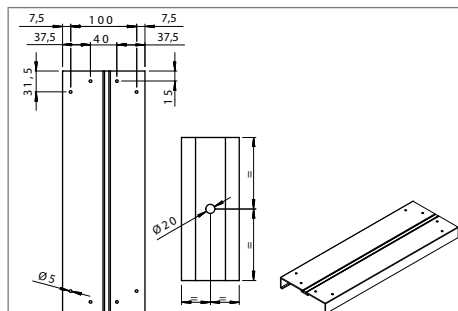
PS130.S.00



P.M.S80000

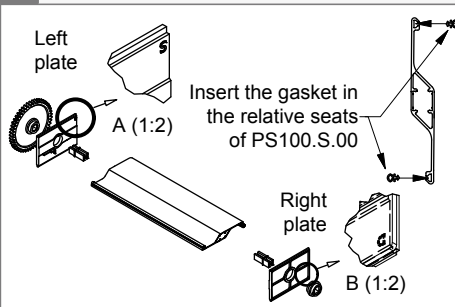
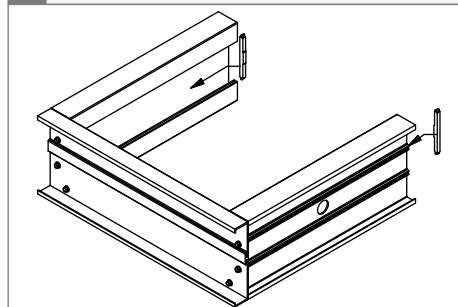


PUNCHING MACHINE
TK281APS00



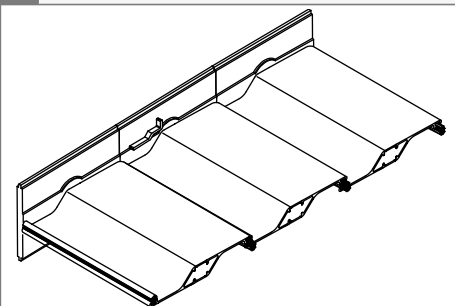
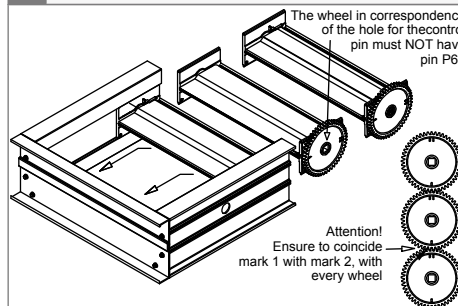
- 1 Cut the profiles following the above table. Set out the holes on profiles PS11000000 and on profile PS120.S.00 control pin side

- 2 Insert the gasket in the relative seat of PS110.S.00 and fix profiles PS120.S.00



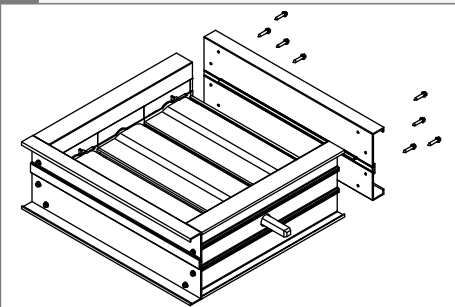
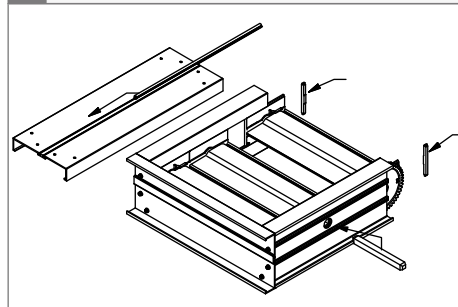
- 3 Insert the thicknesses S.06PP00000 in the seats of PS120.S.00

- 4 Assemble blades PS100.S.00



- 5 Insert the assembled blades in the seats of PS120.S.00

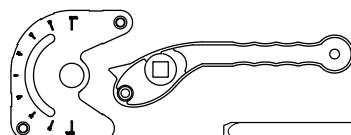
- 6 Insert the blades PS100.S.00 alternating the RH and LH plates



- 7 Insert the control pin to fix the blade, place the thicknesses above the last blade and insert gasket in PS110.S.00

- 8 Complete assembly by fixing PS110.S.00

Handle and shaft



MPS2012000

PFE1200000

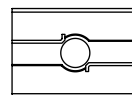
CPS93PP000



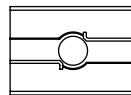
SHAFT



THICKNESS



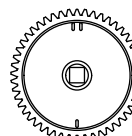
RH PLATE



LH PLATE



BUSH

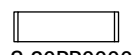


GEAR

THICKNESSES



S.10PP0000



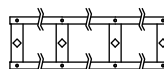
S.20PP0000

Gaskets

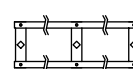
Screw



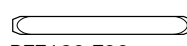
Leverages and shaft



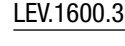
LEV.1820.4



LEV.LUNG00



PFE120.F80



LEV.1600.3