

CLASS 4 damper with cam system 185 mm pitch

Certified according to DIN EN ISO 846 / UNI EN 1751:2003



The APS Arosio damper without plastic parts is a special version suitable for special environment (like low/high temperature, chemical agents) where it is not possible using the polypropylene gear mechanism. The blades and the frame are in extruded aluminium and it can be supplied with actuator (mounting bracket for motorised movement).

Construction:

- Blade - 185 mm pitch
- Leakage class 4
- Frame - Extruded aluminum, EN AW 6060 T6, thickness 1.8 mm
- Blade - Extruded aluminum, EN AW 6060 T6, airfoil design
- Certified VDI6022
- Opposed blades
- Gasket on the blades
- Shafts - galvanised steel shaft, 12 mm x 12 mm square (with slot indicating open/close)
- Temperature - working condition range -20°/+80°
- Materials according to ROHS / PAK

Options:

- Anodized 10 - 15 - 20 micron / painted profiles
- Round / square shaft
- Insulated blades polyurethane (code PS185.MT46)
- Belimo motors (specific information required with order)
- Secondary process on the frame (ex. blunted corners and holes)
- Certified silicon and halogen agents free

“APS AROSIO” ALUMINIUM REGULATION DAMPERS

1. Before starting damper assembly, please read the assembly instructions carefully.
2. Working operating conditions (depending on gasket used)
3. The “APS Arosio DAMPERS” are designed to be used in Air Handling Units and Ducts systems. For other applications please contact us.
4. APS Arosio can guarantee full functionality only if you purchase already assembled damper from us.
If only individual parts are purchased, APS Arosio will be responsible for the components quality, dimensions and tolerances only.
5. Pay close attention to the fixation/installation of the damper. Otherwise APS Arosio will not be responsible for the functionality.
6. When screws are fixed or the shoulder profile is drilled, pay close attention to the mechanisms.
7. APS Arosio strongly advised against the use of aggressive solvents or acid solutions.
For information we ask you to consult your contact person in our sales department.
8. All APS Arosio products are guaranteed against defects in manufacturing for a period of one year from the date of shipment. If a defect should develop within this period, the customer must contact his referent in the APS Arosio agreeing before the return of the assembled product or parts of it, with transport at his charge with destination to our factory in Gessate, to be checked and then repaired or replaced up to our judgement. No responsibility is taken by APS Arosio in case of damages caused by corrosion, improper use of the products or use of aggressive solvents and acid solutions. No warranty is given in case of wrong installation or use of original parts together with not original parts.
9. Patent: please be reminded that the “APS Arosio DAMPERS SYSTEM” is protected by international patent. Any attempt to reproduce the components will be prosecuted according to law.

A.P.S. Arosio S.p.A.
Arosio Claudio
The Sole Director

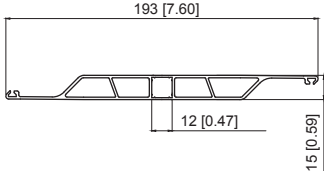
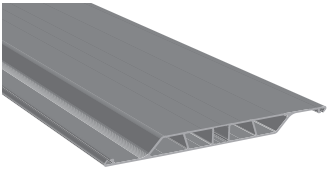
All stated specifications are subject to change without notice or obligation

Blades aluminium profiles

TECHNICAL DATA	
Max profile length	6000 mm / 234"
Material	EN AW 6060

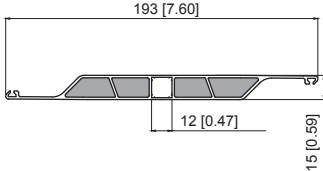
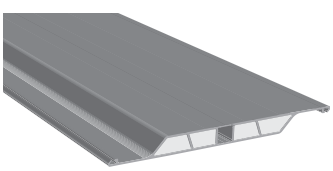
Finish	Natural / Painted / Anodized
Treatment	T6
Color	RAL

PS18500000 Blade profile



Weight: 1.625 kg/m

PS185.MT46 Blade profile filled with polyurethane

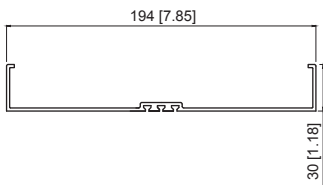
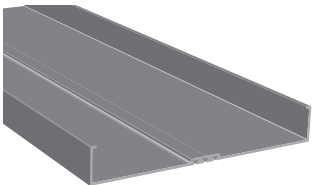


Weight: 1.625 kg/m

Top-bottom aluminium profile

TECHNICAL DATA	
Max profile length	6000 mm / 234"
Material	EN AW 6060
Finish	Natural / Painted / Anodized
Treatment	T6
Color	RAL

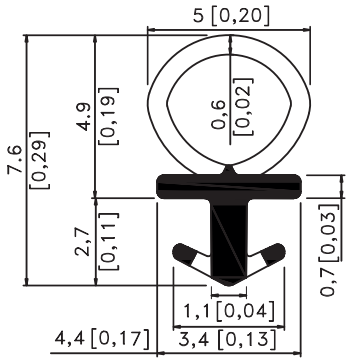

PS28500000 Top-bottom profile 30 mm



Weight: 1.560kg/m

Gaskets and covers

GUARC405AB Tubular gasket



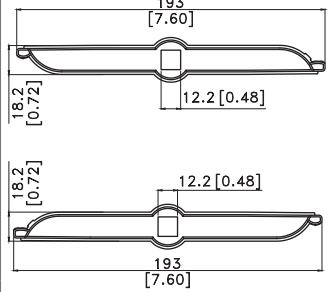

Material: TPE-V and PP

Working temp.: -30°C / +120°C

Peak temp.: -40°C / +135°C

Color: Black

PS185TAPAB Right and left couple of covers for blade profile

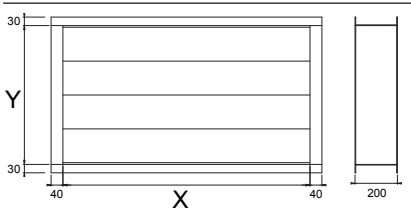


Material: PA6 + FG 25%

Torque values

Nm values	m²	1	2
	Nm	10	20

Dimensional details



Max no. section: 1
Max dim. "X": 1800 mm

Standard dimensions (Y)

Internal	External
195	255
380	440
565	625
750	810
935	995
1.120	1.180
1.305	1.365
1.490	1.550
1.675	1.735
1.860	1.920
2.045	2.105
2.230	2.290
2.415	2.475

Classification - Leakage over the blades - Overpressure upstream of the damper

