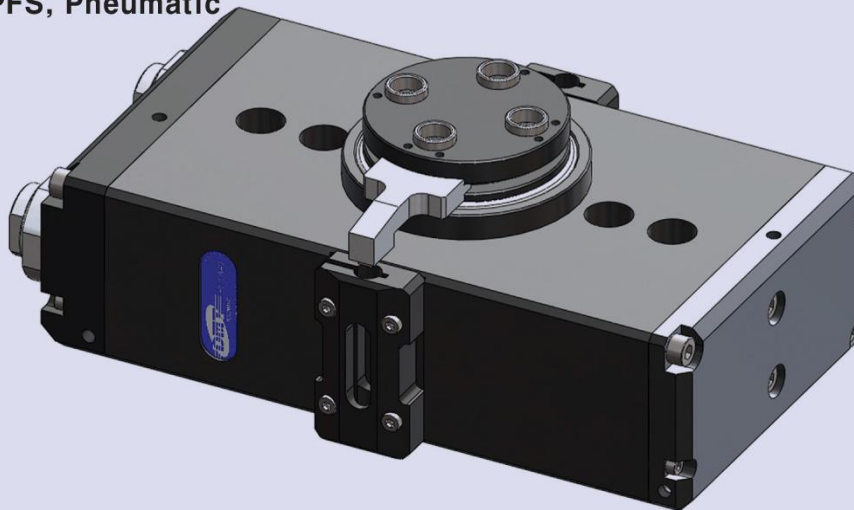


PFS25 A0-180° B0-90-180° 3Nm	PFS25-4 A0-180° B0-90-180° 3Nm	PFS34 A0-180° B0-90-180° 12Nm	PFS34-4 A0-180° B0-90-180° 12Nm	PFS40 A0-180° B0-90-180° 22Nm	PFS40-4 A0-180° B0-90-180° 22Nm	PFS50 A0-180° B0-90-180° 45Nm	PFS50-4 A0-180° B0-90-180° 45Nm	PFS63 A0-180° B0-90-180° 115Nm
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Flat Swivel Unit

TYPE : PFS, Pneumatic



Distinction

- Compact design
- High payload
- Integrated pneumatic end position dampening
- Swivelling angle from 0 to 180°
- Other intermediate positions(backlash free) are optionally available

- 소형, 경량 구조
- Double power system으로 고Torque 실현
- 강력한 Shockabsorber내장
- 회전각도 : 0°~180° (조정가능)

- ▶ Principle of operation : drive via 2 pistons, transmission of force and synchronization via rack and pinion
- ▶ Material : housing is made of high-tensile, hard-coated aluminium alloy ; functional parts are made of hardened steel
- ▶ Actuation : pneumatic, compressed air filtered(10μm), dry or lubricated
- ▶ Range of operating pressure : from 4.5 to 8bars
- ▶ Operating temperature : form 5° to 60℃(41°F to 140°F)
- ▶ Accessories : proximity switches, Double-check safety valve.

- ▶ 재질 : 몸체 AL(Hard-Coated)
작동부위 Hardened Steel
- ▶ 구동원 : Pneumatic
- ▶ 사용압력 : 4.5~8bars
- ▶ 사용온도 : 5℃~60℃

PFS25 △0-180° □0-90-180° 3Nm	PFS25-4 △0-180° □0-90-180° 3Nm	PFS34 △0-180° □0-90-180° 12Nm	PFS34-4 △0-180° □0-90-180° 12Nm	PFS40 △0-180° □0-90-180° 22Nm	PFS40-4 △0-180° □0-90-180° 22Nm	PFS50 △0-180° □0-90-180° 45Nm	PFS50-4 △0-180° □0-90-180° 45Nm	PFS63 △0-180° □0-90-180° 115Nm
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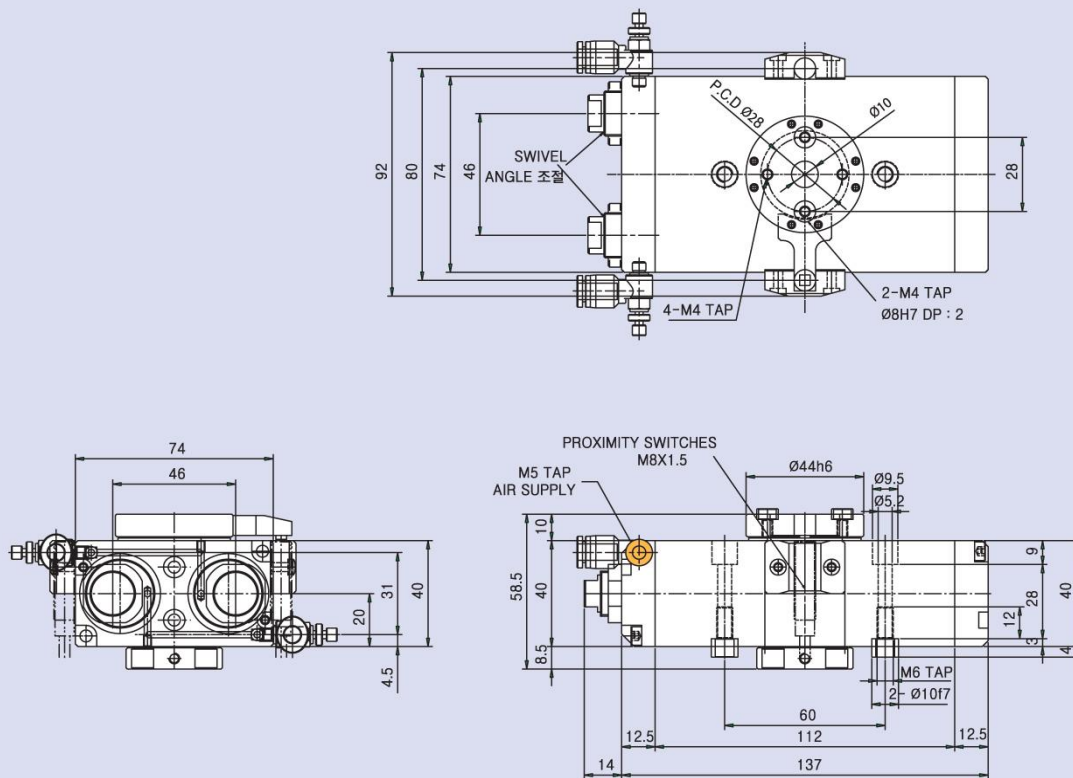
Flat Swivel Units PFS 25

Type	**Torque at 6bars	No. of air feed throughs	Axial payload	Radial payload	Air consumption per cycle (2×180°)	Cycle time (1×180° without load)	Mass	Mass moment of inertia	*Repeat ability
PFS 25	3Nm	0	600N	10.4Nm	22cm ³	0.3s	1.8kg	45kg	0.1°

* After 100 consecutive swivel cycles to end position.

* * Actuation piston double-acting.

Dimension for PFS 25



Flat Swivel Units

PFS25 ±0-180° 0-90-180° 3Nm	PFS25-4 ±0-180° 0-90-180° 3Nm	PFS34 ±0-180° 0-90-180° 12Nm	PFS34-4 ±0-180° 0-90-180° 12Nm	PFS40 ±0-180° 0-90-180° 22Nm	PFS40-4 ±0-180° 0-90-180° 22Nm	PFS50 ±0-180° 0-90-180° 45Nm	PFS50-4 ±0-180° 0-90-180° 45Nm	PFS63 ±0-180° 0-90-180° 115Nm
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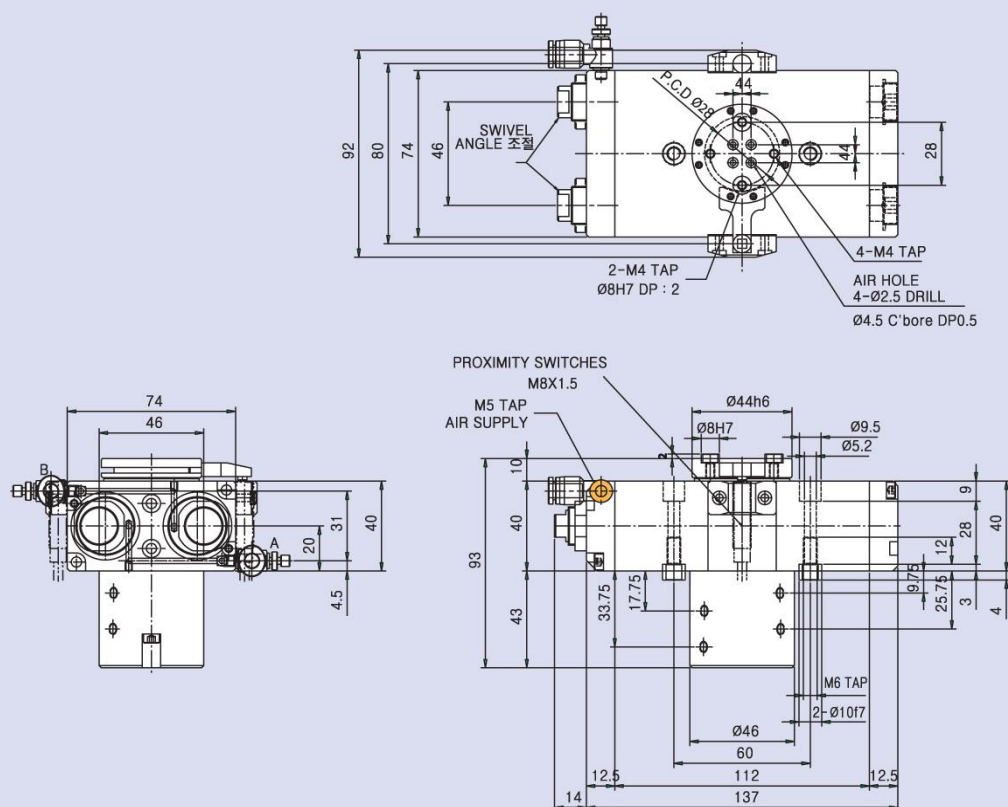
Flat Swivel Units PFS 25-4

Type	**Torque at 6bars	No. of air feed throughs	Axial payload	Radial payload	Air consumption per cycle (2×180°)	Cycle time (1×180° without load)	Mass	Mass moment of inertia	*Repeat ability
PFS 25-4	3Nm	4	600N	10.4Nm	22cm ³	0.3s	1.8kg	45kg	0.1°

* After 100 consecutive swivel cycles to end position.

* * Actuation piston double-acting.

Dimension for PFS 25-4



Flat Swivel Units

PFS25 ±0-180° ±0-90-180° 3Nm	PFS25-4 ±0-180° ±0-90-180° 3Nm	PFS34 ±0-180° ±0-90-180° 12Nm	PFS34-4 ±0-180° ±0-90-180° 12Nm	PFS40 ±0-180° ±0-90-180° 22Nm	PFS40-4 ±0-180° ±0-90-180° 22Nm	PFS50 ±0-180° ±0-90-180° 45Nm	PFS50-4 ±0-180° ±0-90-180° 45Nm	PFS63 ±0-180° ±0-90-180° 115Nm
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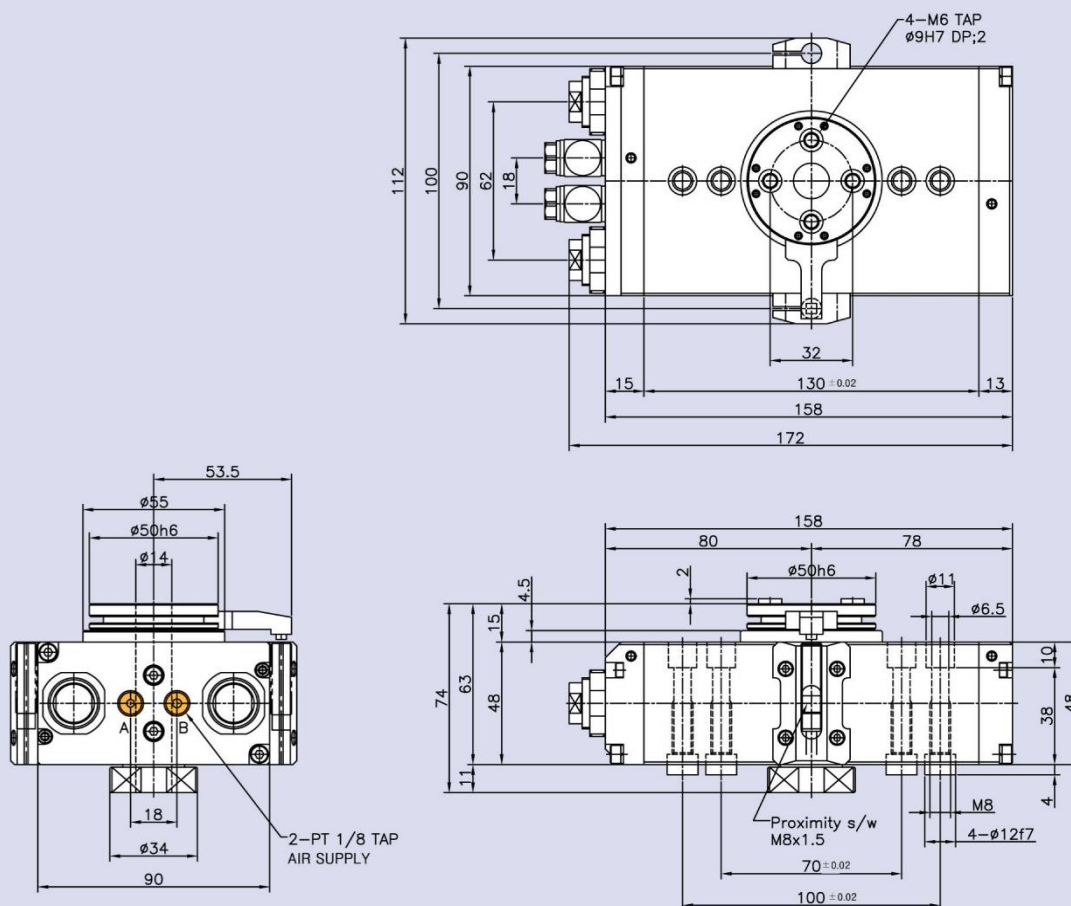
Flat Swivel Units PFS 34

Type	**Torque at 6 bars	No. of air feed-throughs	Axial payload	Radial payload	Air consumption per cycle (2×180°)	Cycle time (1×180° without load)	Mass	Mass moment of inertia	*Repeat ability
PFS 34	12 Nm	0	1500 N	30.8 Nm	71 cm³	0.5s	2.45kg	67 kg cm³	0.1°

* After 100 consecutive swivelling cycles to end positions.

* * Actuation piston double-acting.

Dimension for PFS 34



PFS25 A0-180° B0-90-180° 3Nm	PFS25-4 A0-180° B0-90-180° 3Nm	PFS34 A0-180° B0-90-180° 12Nm	PFS34-4 A0-180° B0-90-180° 12Nm	PFS40 A0-180° B0-90-180° 22Nm	PFS40-4 A0-180° B0-90-180° 22Nm	PFS50 A0-180° B0-90-180° 45Nm	PFS50-4 A0-180° B0-90-180° 45Nm	PFS63 A0-180° B0-90-180° 115Nm
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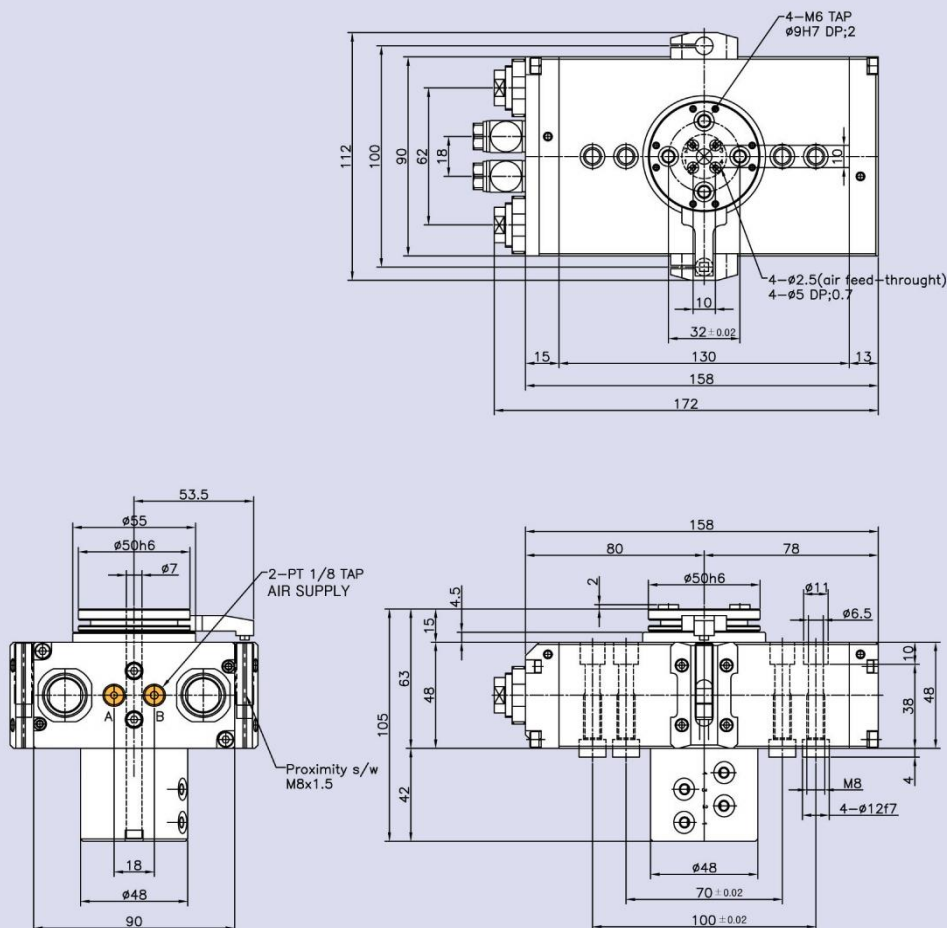
Flat Swivel Units PFS 34-4

Type	**Torque at 6 bars	No. of air feed-throughs	Axial payload	Radial payload	Air consumption per cycle (2×180°)	Cycle time (1×180° without load)	Mass	Mass moment of inertia	*Repeat ability
PFS 34-4	12 Nm	4	1500 N	30.8 Nm	71 cm ³	0.5s	2.9kg	67 kg cm ²	0.1°

* After 100 consecutive swivelling cycles to end positions.

* * Actuation piston double-acting.

Dimension for PFS 34-4



Flat Swivel Units

PFS25 ±0-180° ±0-90-180° 3Nm	PFS25-4 ±0-180° ±0-90-180° 3Nm	PFS34 ±0-180° ±0-90-180° 12Nm	PFS34-4 ±0-180° ±0-90-180° 12Nm	PFS40 ±0-180° ±0-90-180° 22Nm	PFS40-4 ±0-180° ±0-90-180° 22Nm	PFS50 ±0-180° ±0-90-180° 45Nm	PFS50-4 ±0-180° ±0-90-180° 45Nm	PFS63 ±0-180° ±0-90-180° 115Nm
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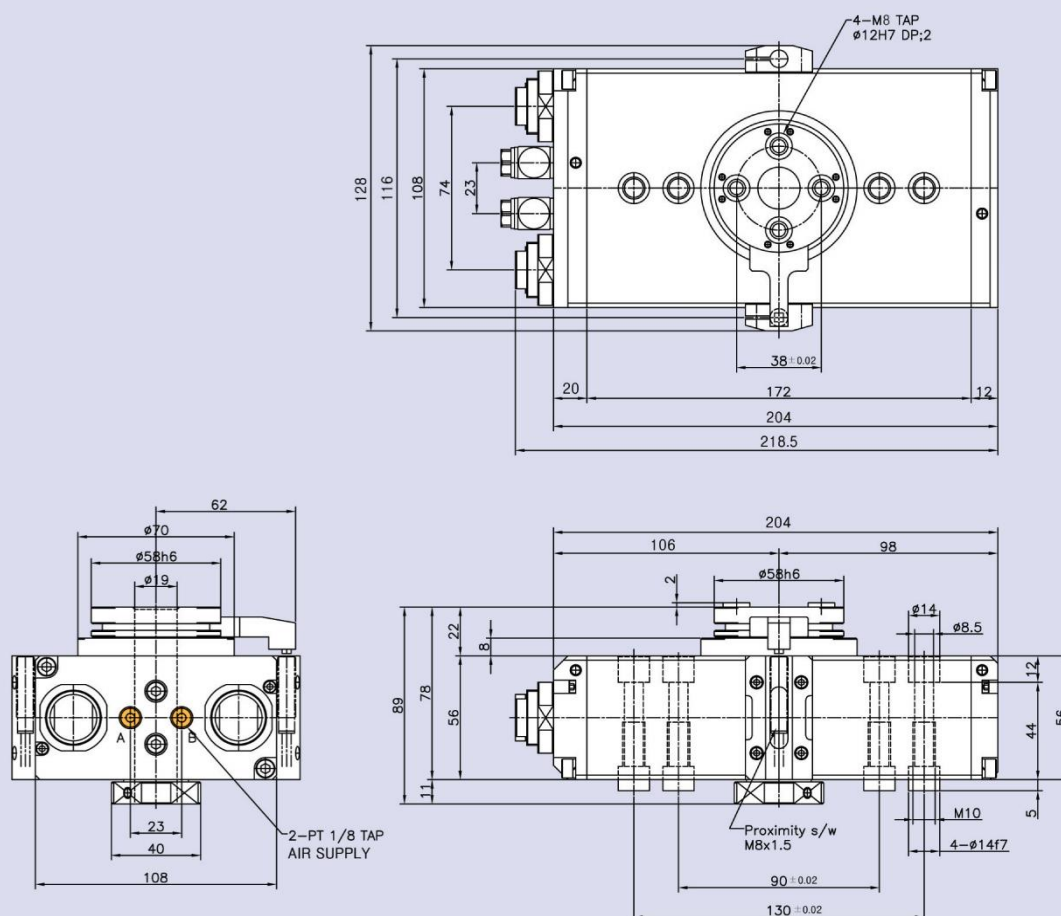
Flat Swivel Units PFS 40

Type	**Torque at 6 bars	No. of air feed-throughs	Axial payload	Radial payload	Air consumption per cycle (2×180°)	Cycle time (1×180° without load)	Mass	Mass moment of inertia	*Repeat ability
PFS 40	22 Nm	0	2900 N	68 Nm	126 cm³	0.8s	4.4kg	188kg cm³	0.1°

* After 100 consecutive swivelling cycles to end positions.

* * Actuation piston double-acting.

Dimension for PFS 40



Flat Swivel Units

PFS25 A0-180° B0-90-180° 3Nm	PFS25-4 A0-180° B0-90-180° 3Nm	PFS34 A0-180° B0-90-180° 12Nm	PFS34-4 A0-180° B0-90-180° 12Nm	PFS40 A0-180° B0-90-180° 22Nm	PFS40-4 A0-180° B0-90-180° 22Nm	PFS50 A0-180° B0-90-180° 45Nm	PFS50-4 A0-180° B0-90-180° 45Nm	PFS63 A0-180° B0-90-180° 115Nm
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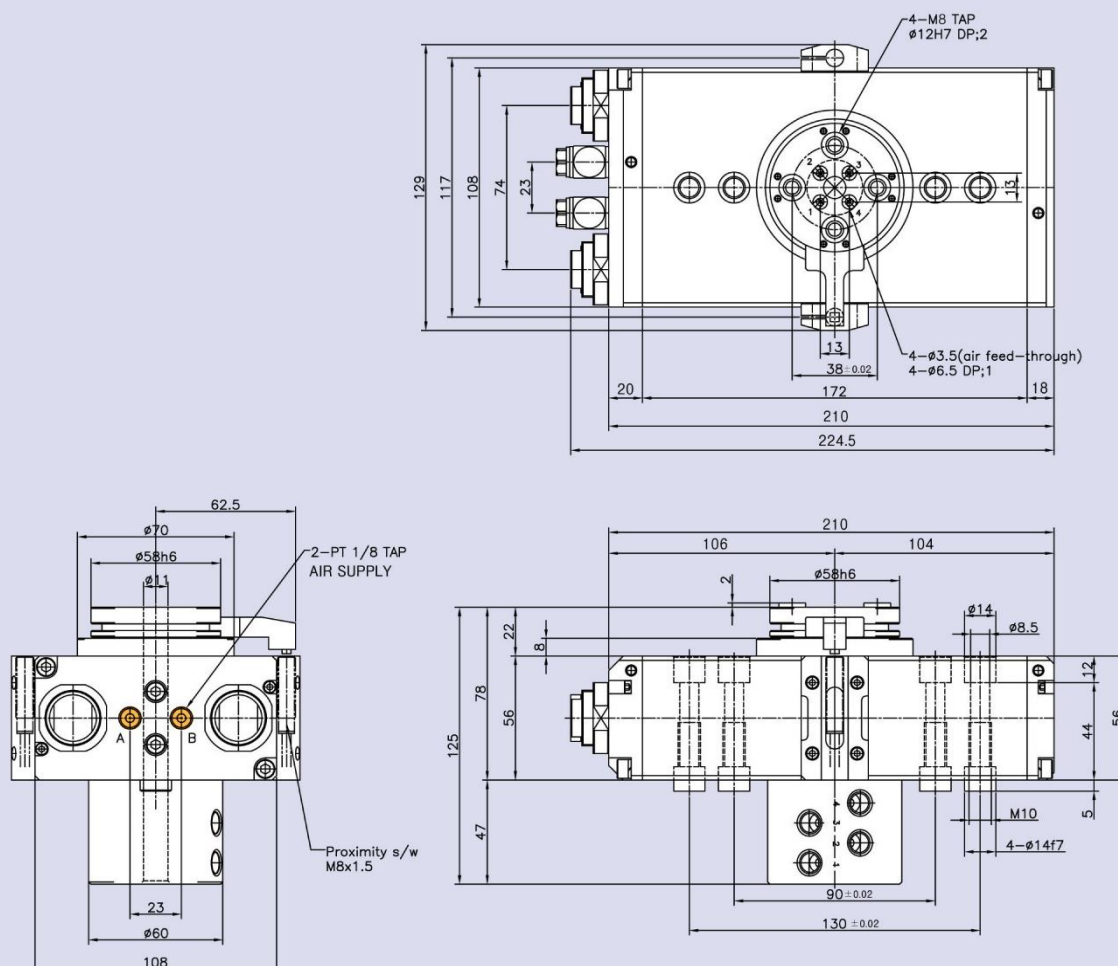
Flat Swivel Units PFS 40-4

Type	**Torque at 6 bars	No. of air feed-throughs	Axial payload	Radial payload	Air consumption per cycle (2×180°)	Cycle time (1×180° without load)	Mass	Mass moment of inertia	*Repeat ability
PFS 40-4	22 Nm	4	2900 N	68 Nm	126 cm³	0.8s	5.5kg	188kg cm³	0.1°

* After 100 consecutive swivelling cycles to end positions.

** Actuation piston double-acting.

Dimension for PFS 40-4



S
W
I
V
E
L

Flat Swivel Units

PFS25 A0-180° B0-90-180° 3Nm	PFS25-4 A0-180° B0-90-180° 3Nm	PFS34 A0-180° B0-90-180° 12Nm	PFS34-4 A0-180° B0-90-180° 12Nm	PFS40 A0-180° B0-90-180° 22Nm	PFS40-4 A0-180° B0-90-180° 22Nm	PFS50 A0-180° B0-90-180° 45Nm	PFS50-4 A0-180° B0-90-180° 45Nm	PFS63 A0-180° B0-90-180° 115Nm
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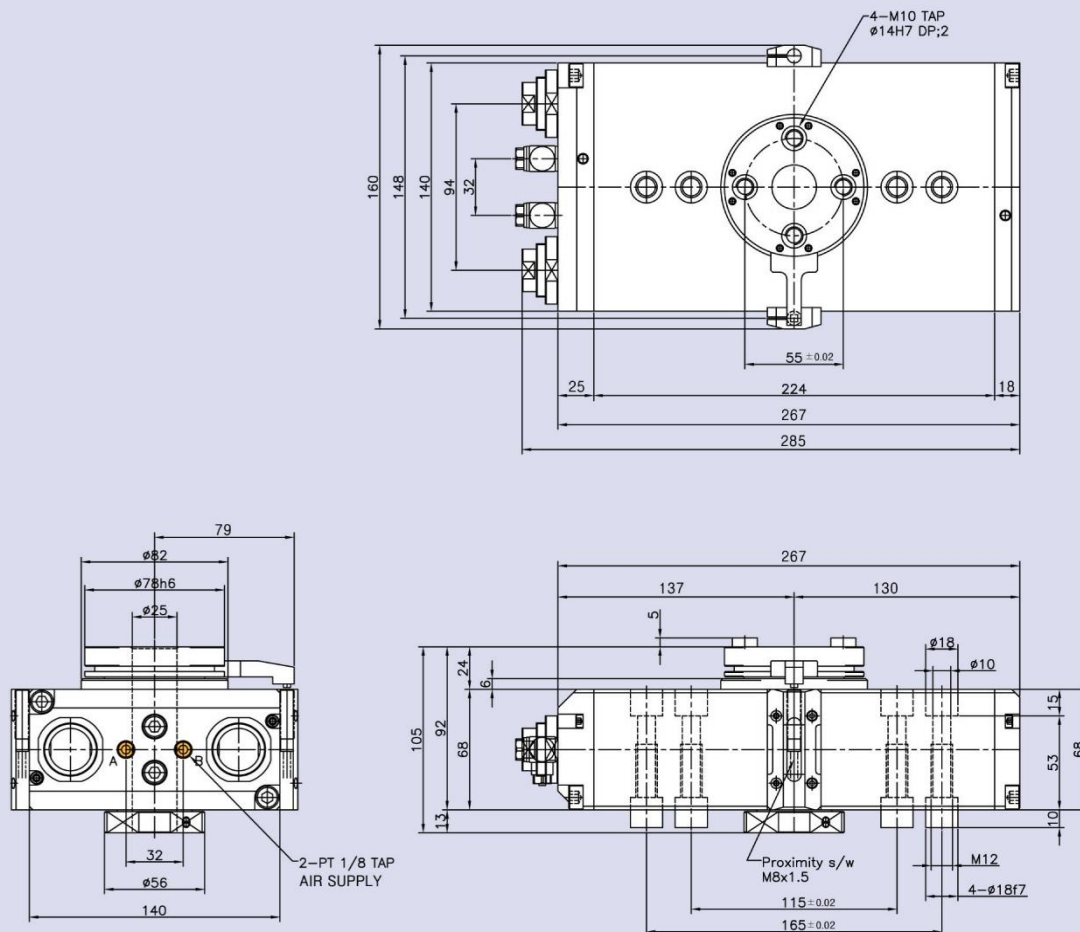
Flat Swivel Units PFS 50

Type	**Torque at 6 bars	No. of air feed-throughs	Axial payload	Radial payload	Air consumption per cycle (2×180°)	Cycle time (1×180° without load)	Mass	Mass moment of inertia	*Repeat ability
PFS 50	45 Nm	0	9000 N	340 Nm	384 cm ³	1s	9kg	1057kg cm ³	0.1°

* After 100 consecutive swivelling cycles to end positions.

* * Actuation piston double-acting.

Dimension for PFS 50



Flat Swivel Units

PFS25 A0-180° B0-90-180° 3Nm	PFS25-4 A0-180° B0-90-180° 3Nm	PFS34 A0-180° B0-90-180° 12Nm	PFS34-4 A0-180° B0-90-180° 12Nm	PFS40 A0-180° B0-90-180° 22Nm	PFS40-4 A0-180° B0-90-180° 22Nm	PFS50 A0-180° B0-90-180° 45Nm	PFS50-4 A0-180° B0-90-180° 45Nm	PFS63 A0-180° B0-90-180° 115Nm
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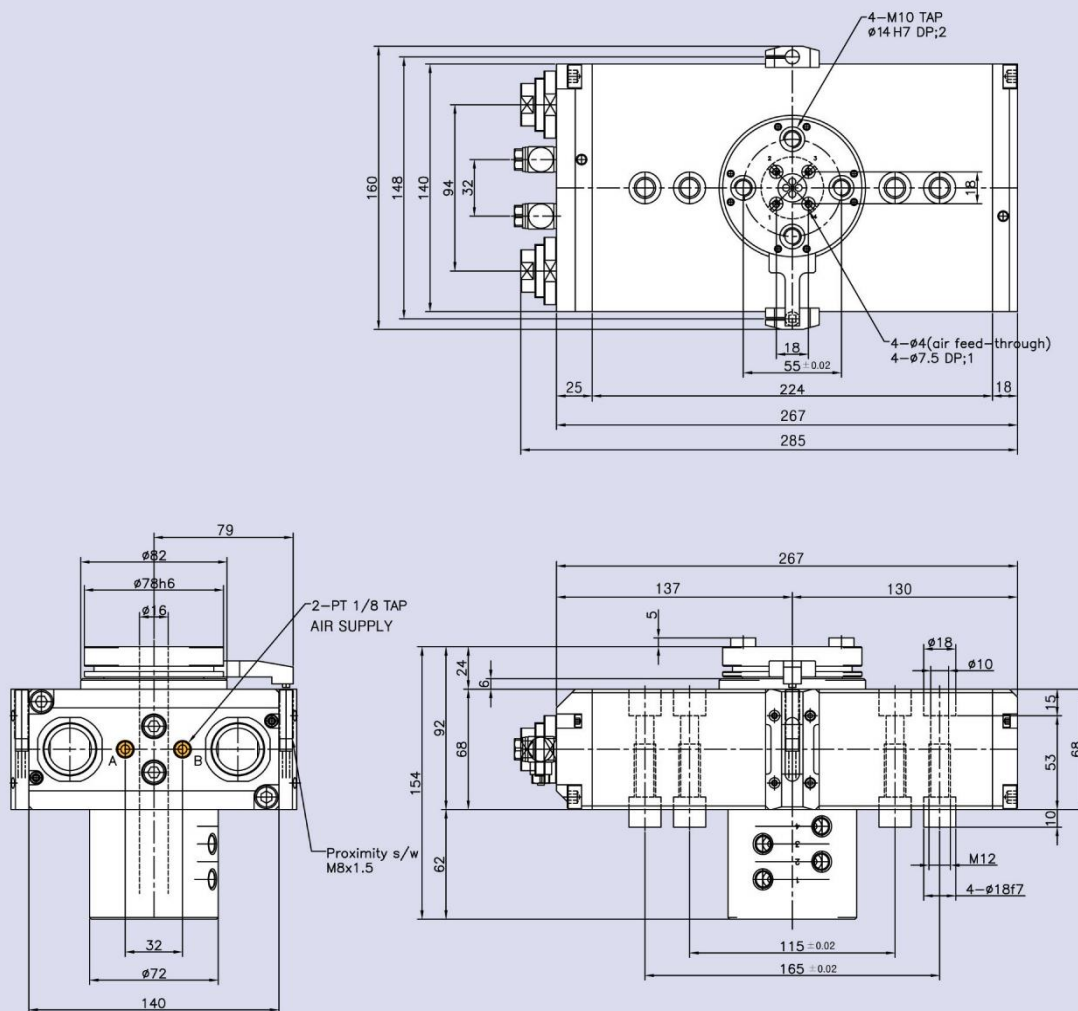
Flat Swivel Units PFS 50-4

Type	**Torque at 6 bars	No. of air feed-throughs	Axial payload	Radial payload	Air consumption per cycle (2×180°)	Cycle time (1×180° without load)	Mass	Mass moment of inertia	*Repeat ability
PFS 50-4	45 Nm	4	9000 N	340 Nm	384 cm ³	1s	9kg	1057kg cm ³	0.1°

* After 100 consecutive swivelling cycles to end positions.

* * Actuation piston double-acting.

Dimension for PFS 50-4



PFS25 3Nm	PFS25-4 3Nm	PFS34 12Nm	PFS34-4 12Nm	PFS40 22Nm	PFS40-4 22Nm	PFS50 45Nm	PFS50-4 45Nm	PFS63 115Nm
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Flat Swivel Units PFS 63

Type	**Torque at 6 bars	No. of air feed-throughs	Axial payload	Radial payload	Air consumption per cycle (2×180°)	Cycle time (1×180° without load)	Mass	Mass moment of inertia	*Repeat ability
PFS 63	115 Nm	0	11000 N	950 Nm	1410 cm ³	1s	25 kg	6140kg cm ³	0.1°

* After 100 consecutive swivelling cycles to end positions.

* * Actuation piston double-acting.

Dimension for PFS 63

