

PSG 25-64
0-180°
3Nm

PSG 34-80
0-180°
12Nm

PSG 40-100
0-180°
22Nm

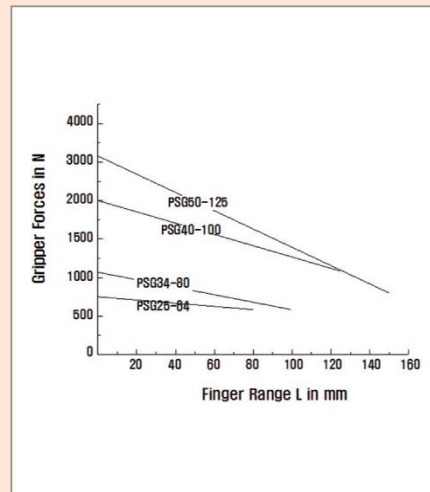
PSG 50-125
0-180°
45Nm

Swivel Head & Gripper Unit

TYPE : PSG



< Gripper의 최대 파지력과 모멘트 >



Distinction

- Compact design-Swivel with Gripper
- High payload
- Integrated shock absorption of the end positions
- Swivelling angle from 0 to 180°
- Integrated, patented 5-fold energy supply without hoses
- Integrated feeding for up to 4 signals for proximity switches
- 소형, 경량 구조
- Swivel과 Gripper의 일체형 구조
- Double power system으로 고Torque 실현
- 강력한 Shockabsorber내장
- Sensor cable 및 Air 공급용 Hole의 내장으로 외부에 돌출되지 않음.
- 회전각도 : 0° ~ 180° (조정가능)

- ▶ Principle of operation : drive via synchronized double rack and pinion
- ▶ Material : housing is made of high-tensile, hard-coated aluminium alloy ; functional parts are 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, Spring-packaged pressure plate.
- ▶ 재질 : 몸체 AL(Hard-Coated)
작동부위 Hardened Steel
- ▶ 구동원 : Pneumatic
- ▶ 사용압력 : 4.5~8bars
- ▶ 사용온도 : 5℃~60℃

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Swivel & Gripper Unit

PSG 25-64
0-180°
3Nm

PSG34-80
0-180°
12Nm

PSG40-100
0-180°
22Nm

PSG50-125
0-180°
45Nm

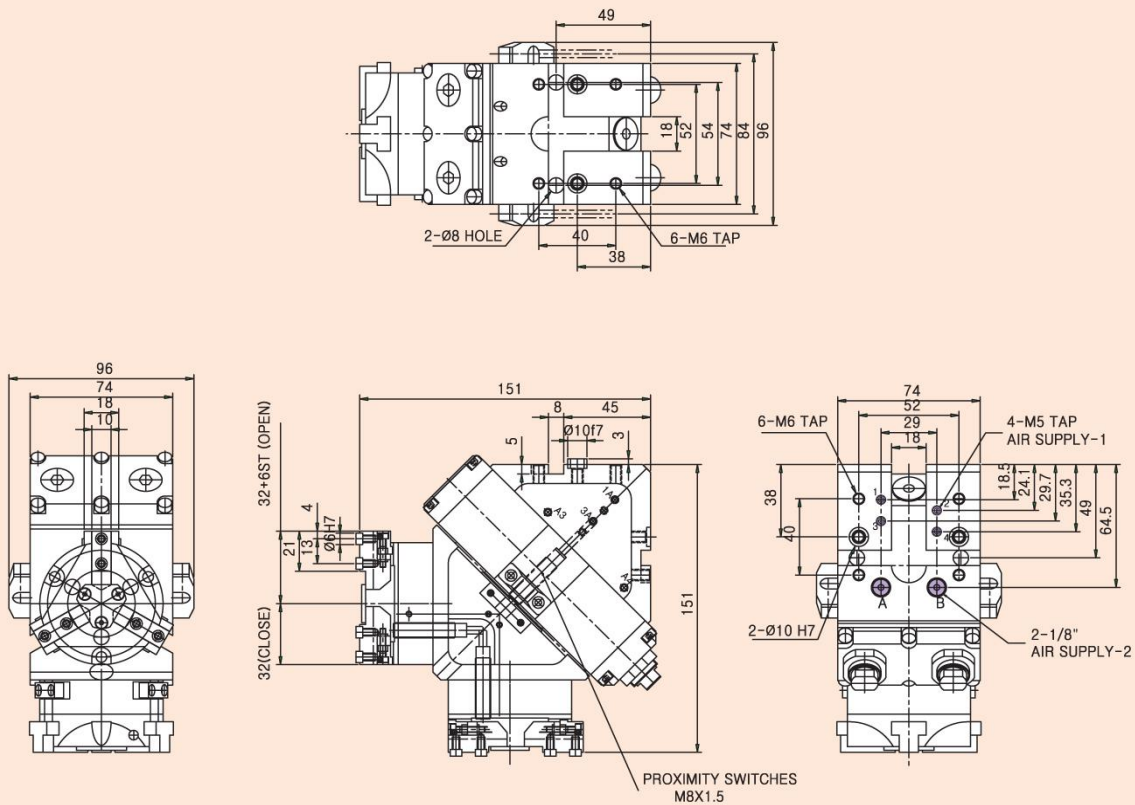
Swivel & Gripper Units PSG 25-64

Type	**Torque	No. of air feed ports	Axial bearing load	Radial bearing load	Air consump. for 1×180°	Cycle time (1×180° without load)	Mass	Mass moment of inertia	*Repeat ability
PSG 25-64	3Nm	4	600N	10.4Nm	22cm ³	0.3s	3.2kg	90kg	0.1°
	Stroke per Finger	*Gripping force at 6bars	*Workpiece weight (recom.)	Air consomp. per double stroke	Opening time	Closing time	Repeat ability	Max finger length	
	6mm	580N	3kg	25cm ³	0.01s	0.01s	0.01mm	64mm	

* Control of end positions, in relation to the base body, after 100 consecutive swivelling cycles.

** Actuation piston double-acting.

Dimension for PSG25-64





Swivel & Gripper Unit

PSG25-64
0-180°
4Nm

PSG34-80
0-180°
12Nm

PSG40-100
0-180°
22Nm

PSG50-125
0-180°
45Nm

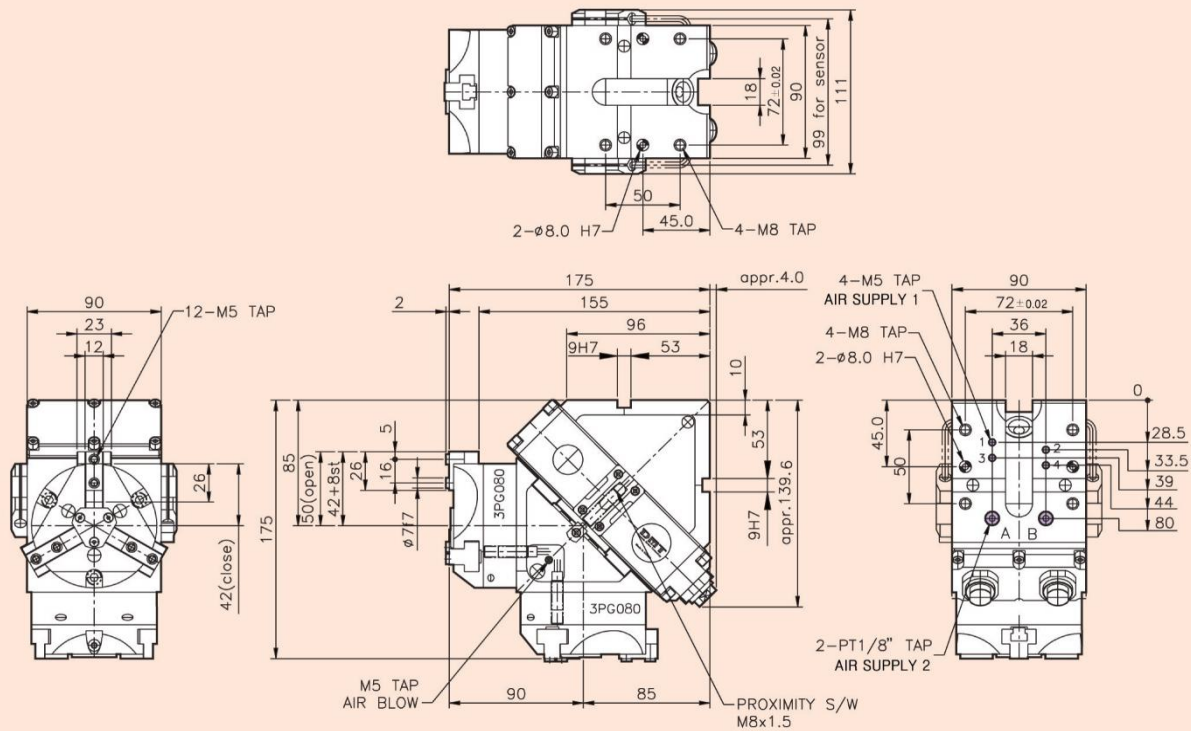
Swivel & Gripper Unit PSG34-80

Type	**Torque	No. of air feed ports	Axial bearing load	Radial bearing load	Air consumption for 1×180°	Cycle time (1×180° without load)	Mass	Mass moment of inertia	*Repeat ability
PSG 34-80	12Nm	5	750N	15.4Nm	35cm ³	0.4s	5.2kg	155kg cm ³	0.1°
	Stroke per Finger	*Gripping force at 6bars	*Workpiece weight (recom.)	Air consomp. per double stroke	Opening time	Closing time	Mass moment of inertia	Repeat ability	Max finger length
	8mm	1000N	5.3kg	60cm ³	0.05s	0.06s	19kg cm ³	0.01mm	80mm

* Control of end positions, in relation to the base body, after 100 consecutive swivelling cycles.

** Actuation piston double-acting.

Dimension for PSG34-80



S W I V E L

PSG22-50
0-180°
4Nm

PSG34-80
0-180°
12Nm

PSG40-100
0-180°
22Nm

PSG50-125
0-180°
45Nm

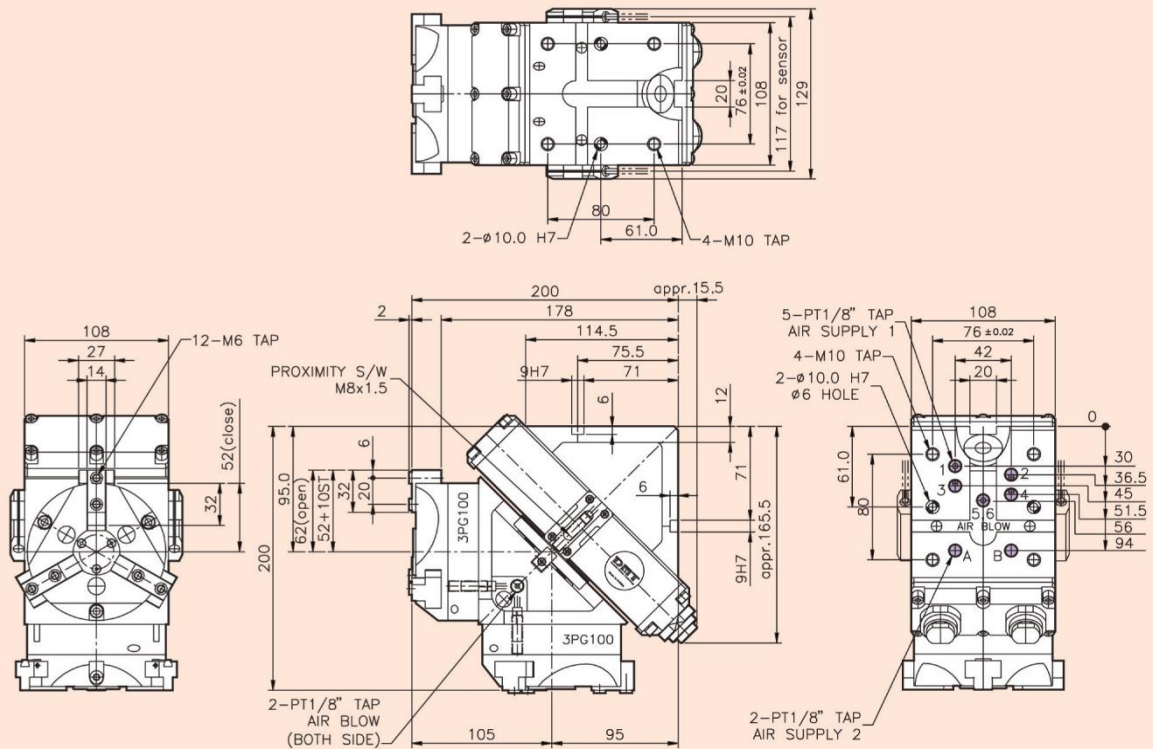
Swivel & Gripper Unit PSG 40-100

Type	**Torque	No. of air feed ports	Axial bearing load	Radial bearing load	Air consumption for 1×180°	Cycle time (1×180° without load)	Mass	Mass moment of inertia	*Repeat ability
PSG 40-100	22 Nm	4	1300 N	63 Nm	252 cm ³	0.8s	9kg	240kg cm ³	0.1°
	Stroke per Finger	*Gripping force at 6bars	*Workpiece weight (recom.)	Air consomp. per double stroke	Opening time	Closing time	Mass moment of inertia	Repeat ability	Max finger length
	10mm	1800N	10kg	120cm ³	0.07s	0.08s	41kg cm ³	0.01mm	100mm

* Control of end positions, in relation to the base body, after 100 consecutive swivelling cycles.

** Actuation piston double-acting.

Dimension For PSG 40-100



PSG22-50
0-180°
4Nm

PSG34-80
0-180°
12Nm

PSG40-100
0-180°
22Nm

PSG50-125
0-180°
45Nm

Swivel & Gripper Unit PSG 50-125

Type	**Torque	No. of air feed ports	Axial bearing load	Radial bearing load	Air consumption for 1×180°	Cycle time (1×180° without load)	Mass	Mass moment of inertia	*Repeat ability
PSG 50-125	45 Nm	5	9000 N	340 Nm	768 cm ³	1.2s	19.4kg	1850kg cm ³	0.1°
	Stroke per Finger	*Gripping force at 6bars	*Workpiece weight (recom.)	Air consomp. per double stroke	Opening time	Closing time	Mass moment of inertia	Repeat ability	Max finger length
	13mm	3100N	15.5kg	230cm ³	0.17s	0.17s	97kg cm ³	0.05mm	125mm

* Control of end positions, in relation to the base body, after 100 consecutive swivelling cycles.

* * Actuation piston double-acting.

Dimension For PSG 50-125

