

3-Finger-Centric-Grippers

3PG050

2x4mm / 260N

3PG064

2x6mm / 580N

3PG080

2x8mm / 1000N

3PG100

2x10mm / 1800N

3PG125

2x13mm / 3100N

3PG160

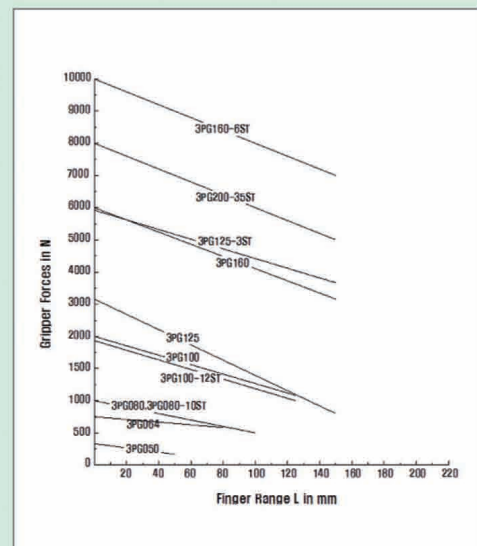
2x16mm / 6000N

3-Finger-Centric-Gripper

TYPE : 3PG



< Gripper의 최대 파지력과 모멘트 >



Distinction

- Compact design
- High gripping force
- High reliability and long life
- Suitable for O.D and I.D gripping

- 소형, 경량 구조
- 높은 파지력
- 높은 신뢰성과 긴 수명
- 외경과 내경을 잡기 적합한 구조

- ▶ Principle of operation : over wedges mechanically restricted guidance, transmission of force through surfaces
- ▶ Material : housing is made of high-tensile, hard-coated aluminium alloy ; functional parts are made of hardened steel
- ▶ Actuation : pneumatic, compressed air filtered(10 μ m), dry or lubricated
- ▶ Range of operating pressure : from 2 to 8bars
- ▶ Operating temperature : form 5° to 60℃(41°F to 140°F)
- ▶ Accessories : proximity switches, flexible positioning sensor, finger blocks, Spring-packaged pressure plate.

- ▶ 작동원리 : 쇄기형, 평형개폐형
- ▶ 재질 : 몸체 AL(Hard-Coated)
작동부위 Hardened Steel
- ▶ 구동원 : Pneumatic
- ▶ 사용압력 : 2~8bars
- ▶ 사용온도 : 5℃~60℃

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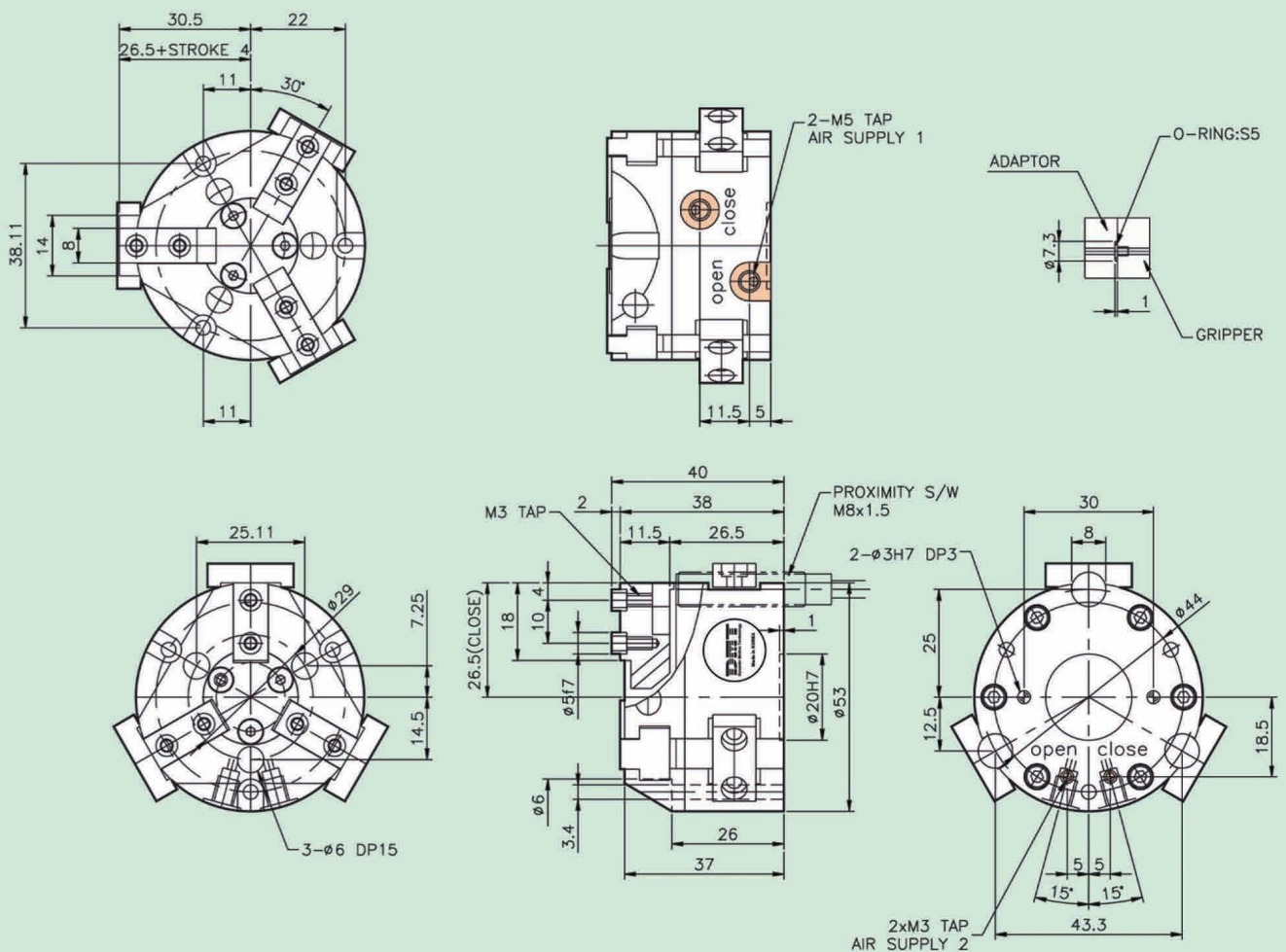
2x16mm / 6000N

3-Finger-Centric-Gripper 3PG050

Type	Stroke per finger	*Gripping force at 6 bars	*Workpiece weight (recom.)	Air consump. per doublestroke	Opening time	Closing time	Mass	Mass moment of inertia	Repeat ability	Max. Finger length
3PG050	4mm	260N	1.3kg	15cm ³	0.03s	0.03s	0.2kg	4kg cm ³	0.01mm	50mm

* Gripping force = arithmetic sum of the individual forces occurring at the fingers, distance "P" at 6 bars.

Dimension for 3PG050



3-Finger-Centric-Grippers

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2x8mm / 1000N

2x10mm / 1800N

2x13mm / 3100N

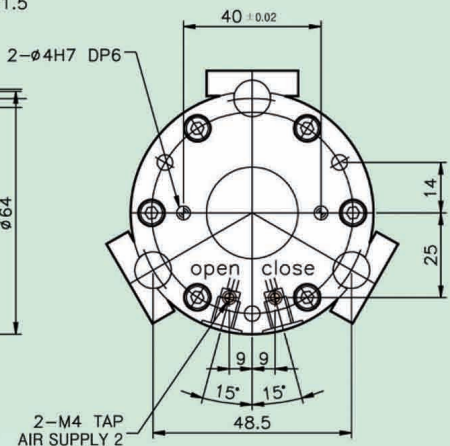
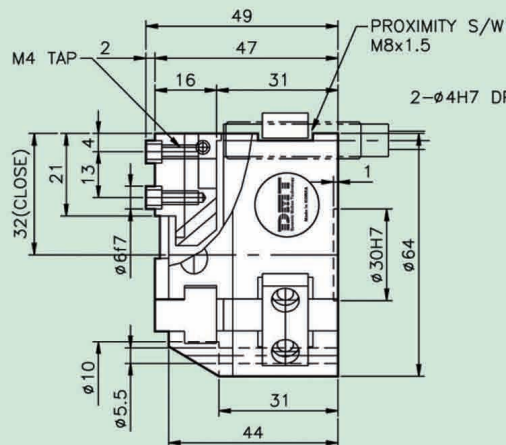
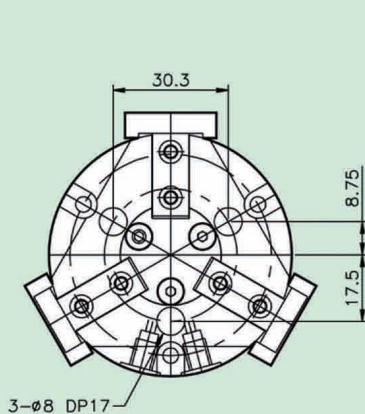
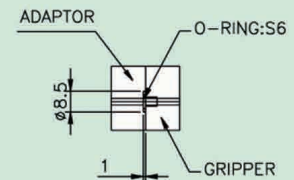
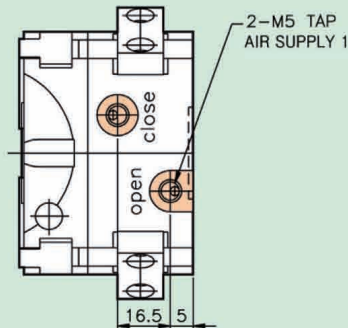
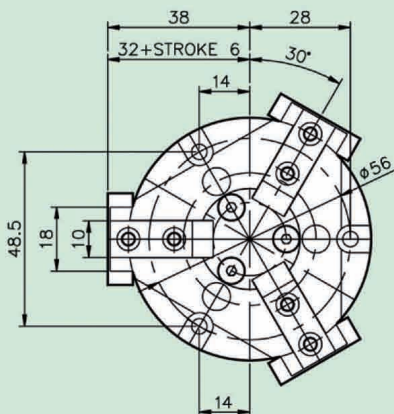
2x16mm / 6000N

3-Finger-Centric-Gripper 3PG064

Type	Stroke per finger	*Gripping force at 6 bars	*Workpiece weight (recom.)	Air consump. per doublestroke	Opening time	Closing time	Mass	Mass moment of inertia	Repeat ability	Max. Finger length
3PG064	6mm	580N	3kg	25cm ³	0.01s	0.01s	0.38kg	8kg cm ³	0.01mm	64mm

* Gripping force = arithmetic sum of the individual forces occurring at the fingers, distance "P" at 6 bars.

Dimension for 3PG064



3PG050	3PG064	3PG080	3PG100	3PG125	3PG160
2x4mm / 260N	2x6mm / 580N	2x8mm / 1000N	2x10mm / 1800N	2x13mm / 3100N	2x16mm / 6000N

Type	Stroke per finger	*Gripping force at 6 bars	*Workpiece weight (recom.)	Air consump. per doublestroke	Opening time	Closing time	Mass	Mass moment of inertia	Repeat ability	Max. Finger length
3PG080	8mm	1000N	6.0kg	60cm ³	0.05s	0.06s	0.8kg	19kg cm ³	0.01mm	80mm

Dimension for 3PG080



3-Finger-Centric-Grippers

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3PG080

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3PG100

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3PG125

2x13mm / 3100N

3PG160

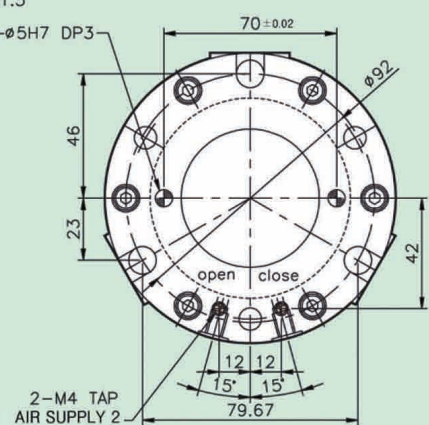
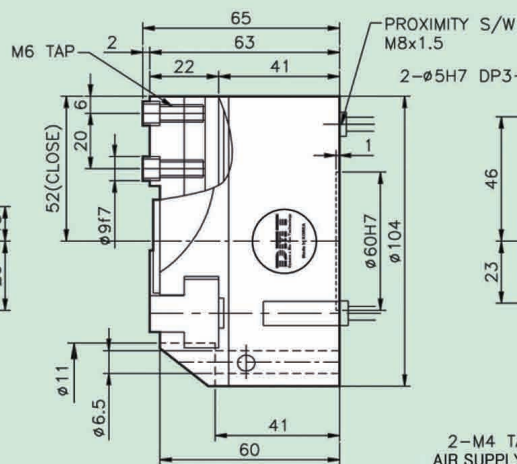
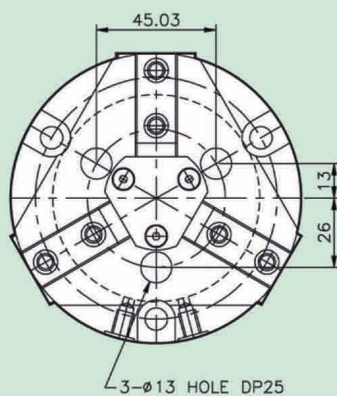
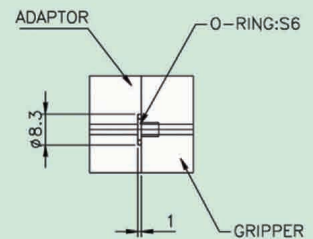
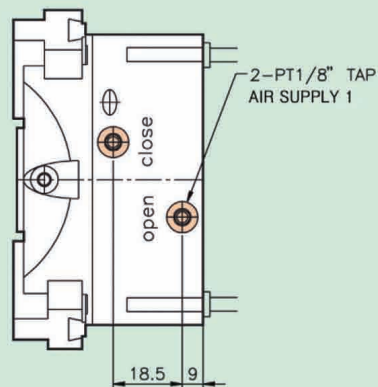
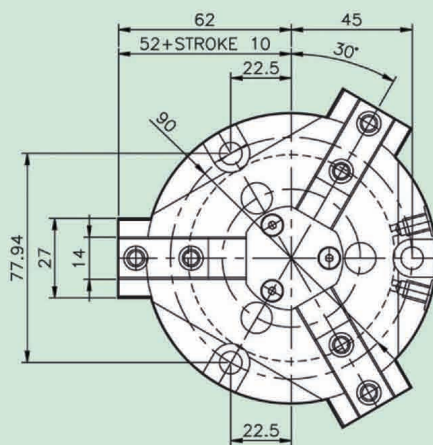
2x16mm / 6000N

3-Finger-Centric-Gripper 3PG100

Type	Stroke per finger	*Gripping force at 6 bars	*Workpiece weight (recom.)	Air consump. per doublestroke	Opening time	Closing time	Mass	Mass moment of inertia	Repeat ability	Max. Finger length
3PG100	10mm	1800N	9.5kg	120cm ³	0.07s	0.08s	1.34kg	41kg cm ³	0.01mm	100mm

* Gripping force = arithmetic sum of the individual forces occurring at the fingers, distance "P" at 6 bars.

Dimension for 3PG100



3-Finger-Centric-Grippers

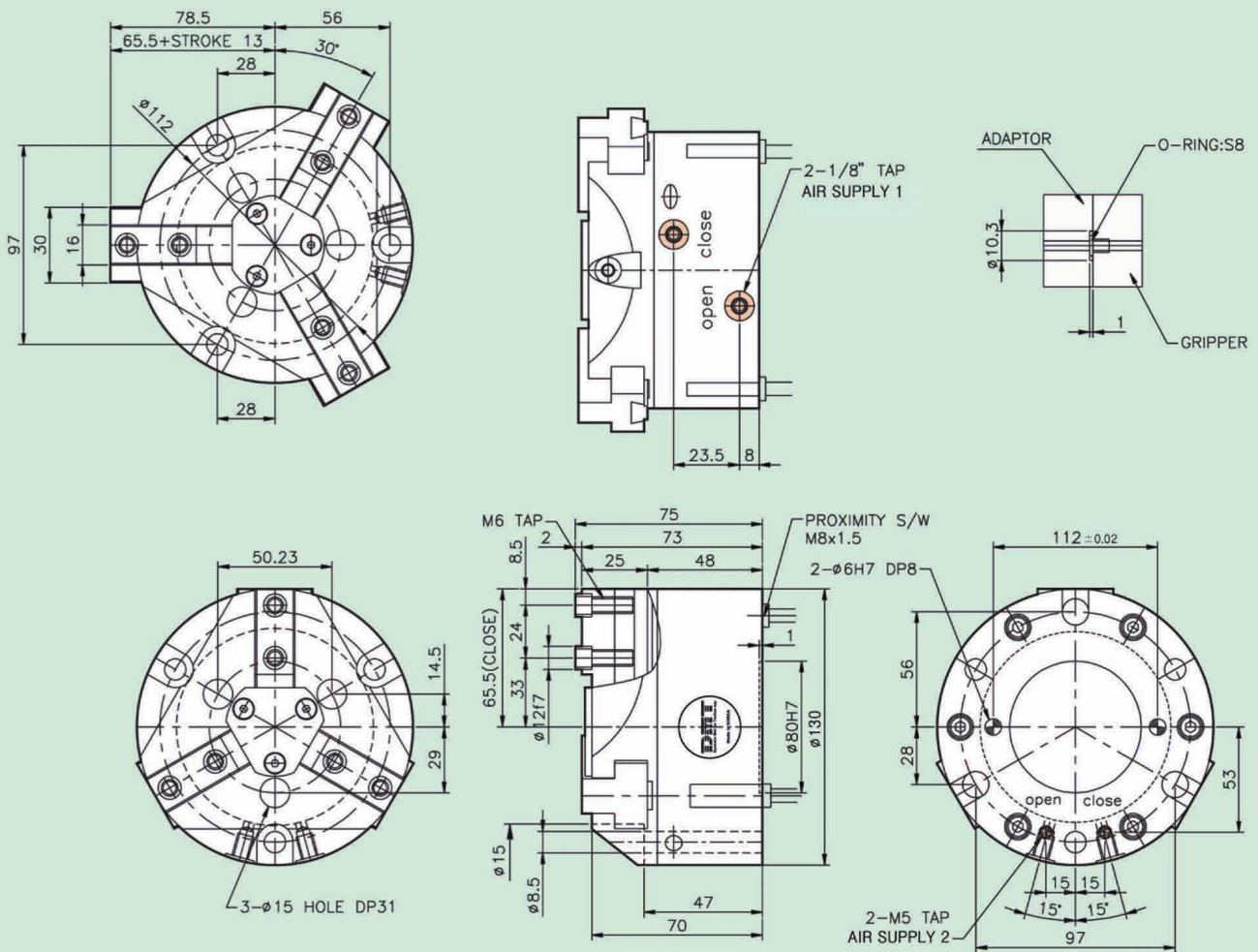
3PG050 2x4mm / 260N	3PG064 2x6mm / 580N	3PG080 2x8mm / 1000N	3PG100 2x10mm / 1800N	3PG125 2x13mm / 3100N	3PG160 2x16mm / 6000N
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3-Finger-Centric-Gripper 3PG125

Type	Stroke per finger	*Gripping force at 6 bars	*Workpiece weight (recom.)	Air consump. per doublestroke	Opening time	Closing time	Mass	Mass moment of inertia	Repeat ability	Max. Finger length
3PG125	13mm	3100N	15.5kg	230cm ³	0.17s	0.17s	2.38kg	97kg cm ³	0.05mm	125mm

* Gripping force = arithmetic sum of the individual forces occurring at the fingers, distance "P" at 6 bars.

Dimension for 3PG125



3-Finger-Centric-Grippers

3PG050

2x4mm / 260N

3PG064

2x6mm / 580N

3PG080

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3PG100

2x10mm / 1800N

3PG125

2x13mm / 3100N

3PG160

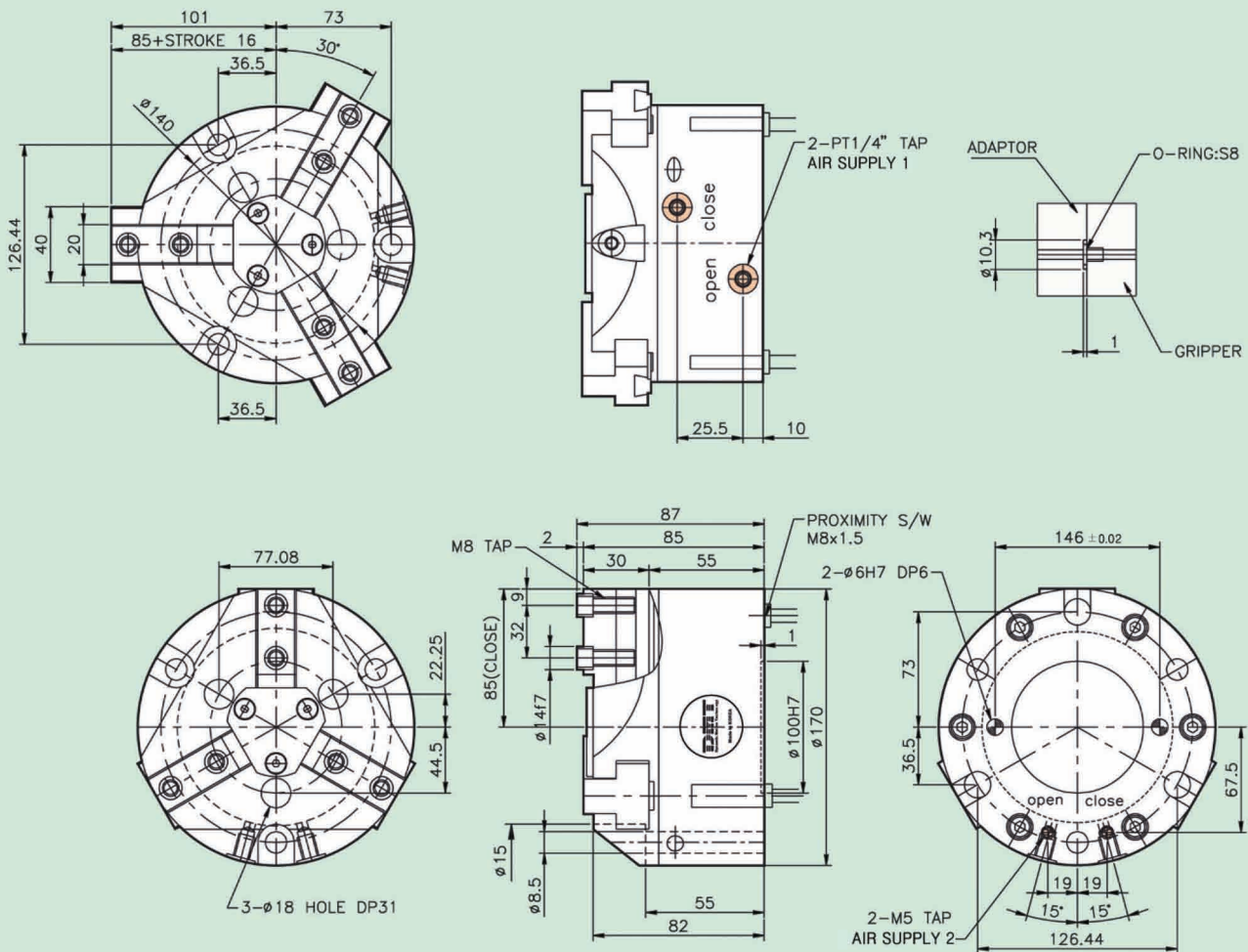
2x16mm / 6000N

3-Finger-Centric-Griper 3PG160

Type	Stroke per finger	*Gripping force at 6 bars	*Workpiece weight (recom.)	Air consump. per doublestroke	Opening time	Closing time	Mass	Mass moment of inertia	Repeat ability	Max. Finger length
3PG160	16mm	6000N	25kg	520cm ³	0.4s	0.4s	5.6kg	253kg cm ³	0.05mm	160mm

* Gripping force = arithmetic sum of the individual forces occurring at the fingers, distance "P" at 6 bars.

Dimension for 3PG160



3-Finger-Centric-Grippers

3PG080-10ST

2×10mm / 1000N

3PG100-12ST

2×12mm / 1800N

3PG125-3ST

2×3mm / 5900N

3PG160-6ST

2×6mm / 11000N

3PG200-35ST

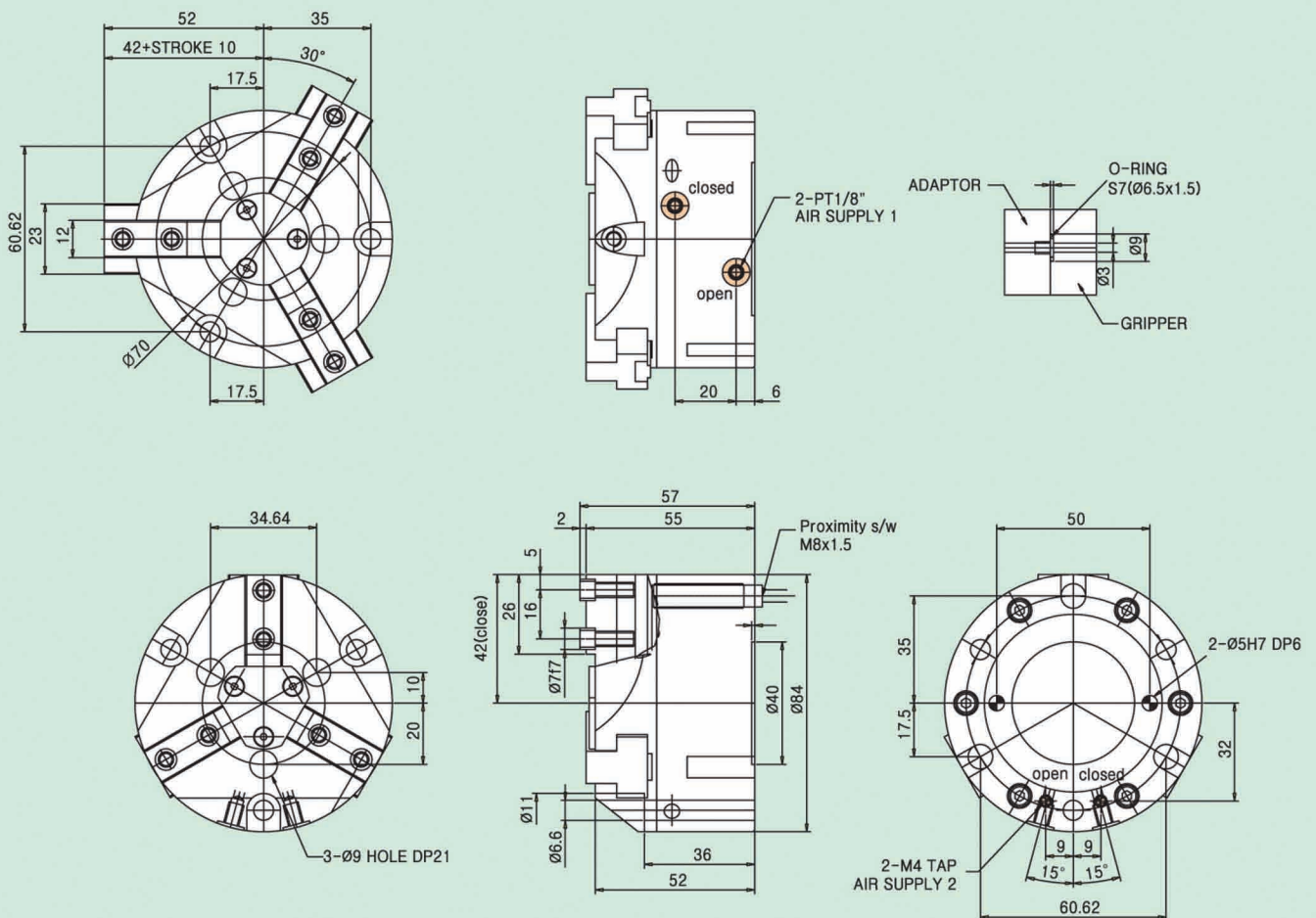
2×35mm / 8000N

3-Finger-Centric-Gripper 3PG080-10ST

Type	Stroke per finger	*Gripping force at 6 bars	*Workpiece weight (recom.)	Air consump. per doublestroke	Opening time	Closing time	Mass	Mass moment of inertia	Repeat ability	Max. Finger length
3PG080-10	10mm	1000N	5.3kg	64cm ³	0.5s	0.6s	0.97kg	19kg cm ³	0.02mm	80mm

* Gripping force = arithmetic sum of the individual forces occurring at the fingers, distance "P" at 6 bars.

Dimension for 3PG080-10ST



3-Finger-Centric-Grippers

3PG050-10ST

2x10mm / 1000N

3PG100-12ST

2x12mm / 1800N

3PG125-3ST

2x3mm / 5900N

3PG160-6ST

2x6mm / 11000N

3PG200-35ST

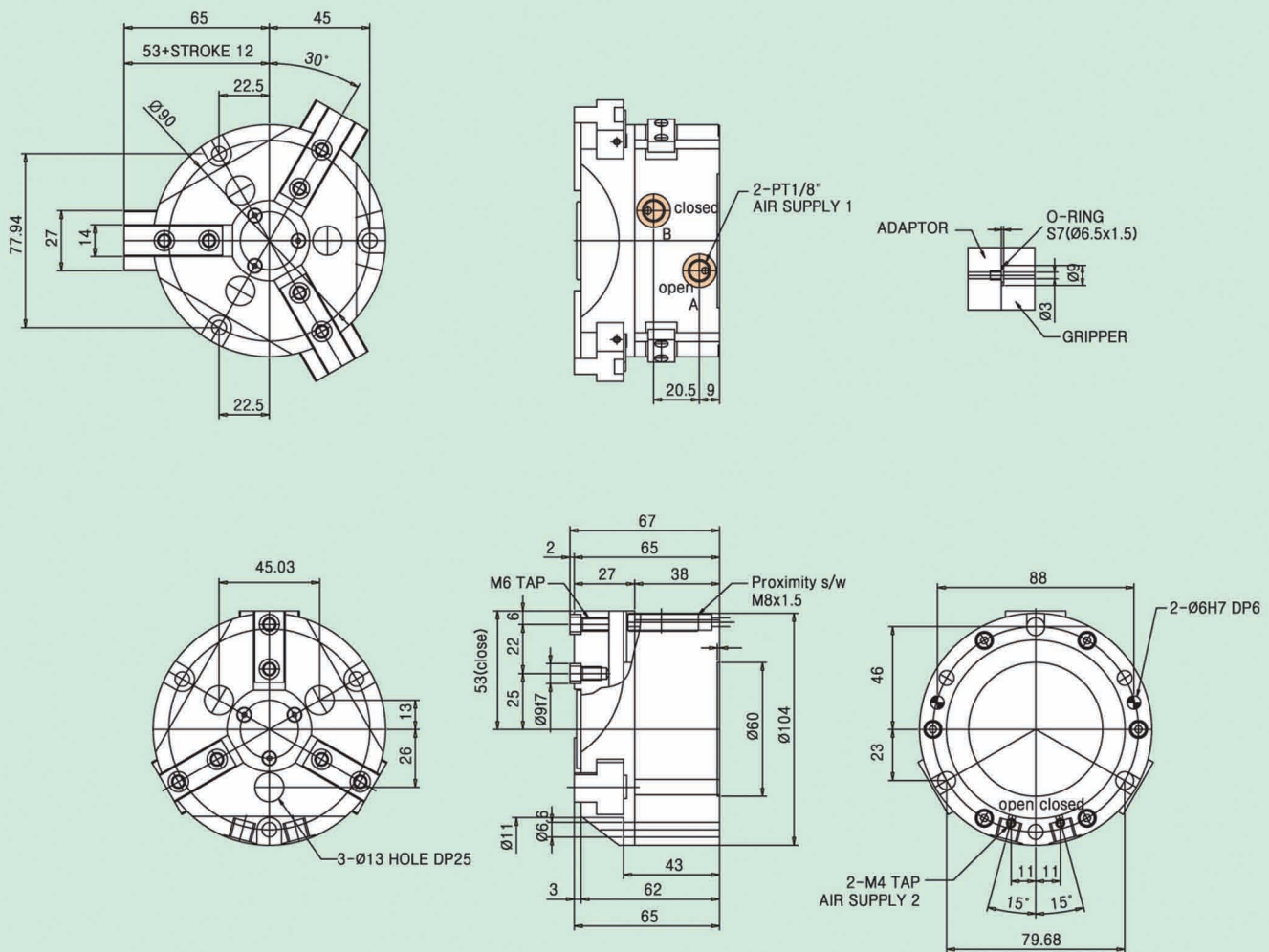
2x35mm / 8000N

3-Finger-Centric-Gripper 3PG100-12ST

Type	Stroke per finger	*Gripping force at 6 bars	*Workpiece weight (recom.)	Air consump. per doublestroke	Opening time	Closing time	Mass	Mass moment of inertia	Repeat ability	Max. Finger length
3PG100-12	12mm	1800N	9.5kg	125cm ³	0.7s	0.8s	1.85kg	41kg cm ³	0.02mm	80mm

* Gripping force = arithmetic sum of the individual forces occurring at the fingers, distance "P" at 6 bars.

Dimension for 3PG100-12ST



3-Finger-Centric-Grippers

3PG050-10ST

2x10mm / 1000N

3PG100-12ST

2x12mm / 1800N

3PG125-3ST

2x3mm / 5900N

3PG160-6ST

2x6mm / 11000N

3PG200-35ST

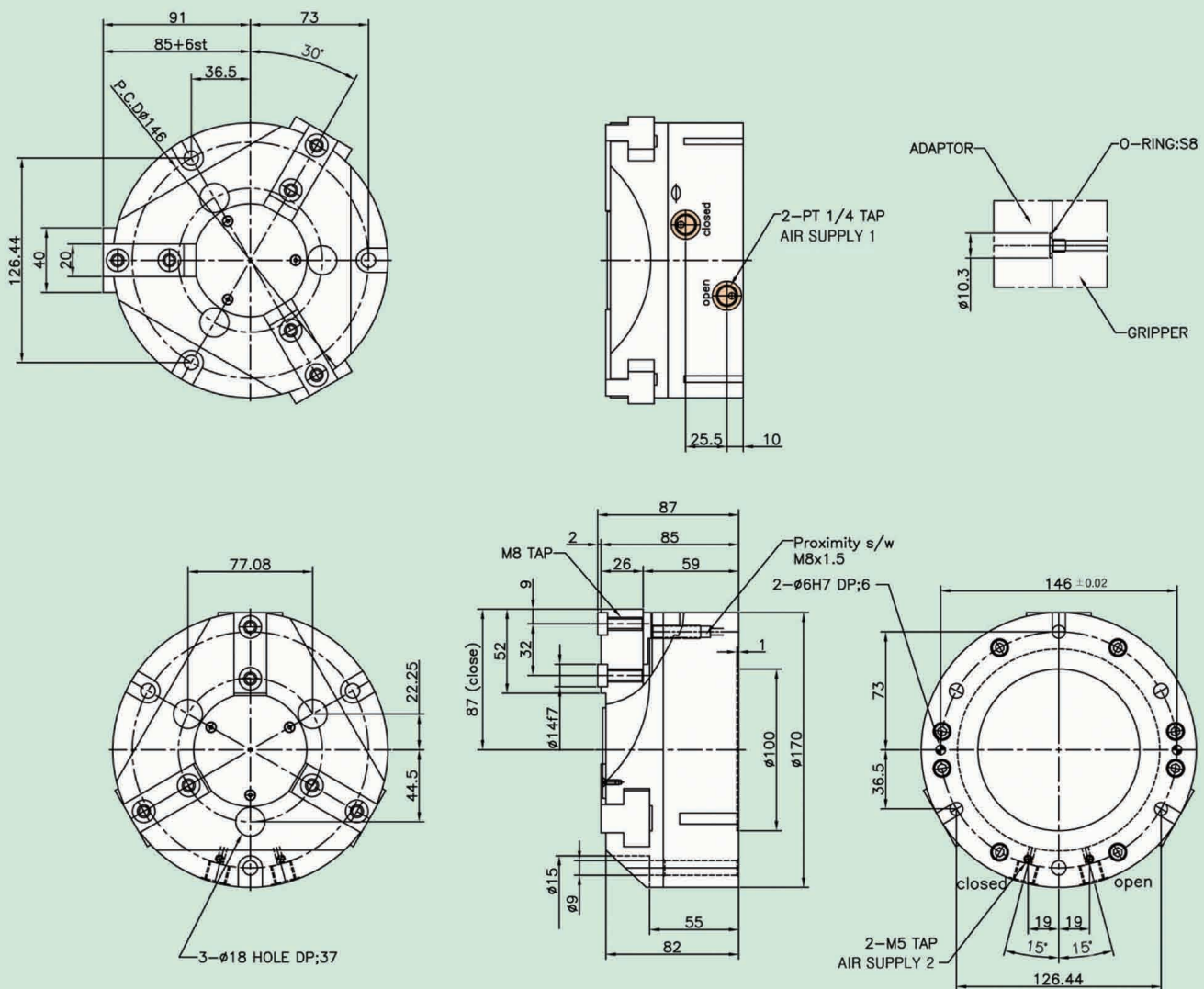
2x35mm / 8000N

3-Finger-Centric-Gripper 3PG160-6ST

Type	Stroke per finger	*Gripping force at 6 bars	*Workpiece weight (recom.)	Air consump. per doublestroke	Opening time	Closing time	Mass	Mass moment of inertia	Repeat ability	Max. Finger length
3PG160-6	6mm	11000N	50kg	520cm ³	0.9s	0.9s	5.3kg	253kg cm ³	0.05mm	160mm

* Gripping force = arithmetic sum of the individual forces occurring at the fingers, distance "P" at 6 bars.

Dimension for 3PG160-6ST



3-Finger-Centric-Grippers

3PG050-10ST

2×10mm / 1000N

3PG100-12ST

2×12mm / 1800N

3PG125-3ST

2×3mm / 5900N

3PG160-6ST

2×6mm / 11000N

3PG200-35ST

2×35mm / 8000N

3-Finger-Centric-Gripper 3PG200-35ST

Type	Stroke per finger	*Gripping force at 6 bars	*Workpiece weight (recom.)	Air consump. per doublestroke	Opening time	Closing time	Mass	Mass moment of inertia	Repeat ability	Max. Finger length
3PG200-35	35mm	8000N	39kg	1600cm ³	1.3s	1.3s	14.5kg	700kg cm ³	0.1mm	200mm

* Gripping force = arithmetic sum of the individual forces occurring at the fingers, distance "P" at 6 bars.

Dimension for 3PG200-35ST

