

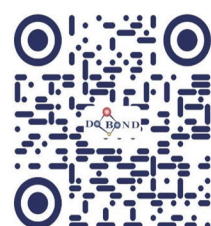
DOBOND

DRIVING LIFE BETTER

DOBOND(SHANGHAI)PRECISION MACHINERY CO.,LTD

DOBOND

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ABOUT US

Dobond is a high-tech enterprise driven by innovation. It is mainly committed to the R & D and manufacturing of the damping device, and the new-type locking system, with high-end automotive functional parts assembly. Our company has advanced production equipment, production and testing process, with a group of senior technical and management talents.



Main Business

Dampers, Locks, Precision plastic injection parts, Professional manufacturers of automotive functional parts.

Research Capability

We provide one-stop services to customers from product structure design, mold development, batch production, and automated assembly.

Mold Processing Capability

MAKINO, FANUC, Sumitomo and other mold processing equipment.

Product Inspection Capability

Diverse quality control capability, such as SEREIN and KEYENCE image measuring instrument, HEXAGON CMM, etc.

Product Molding Capacity

FANUC electric injection molding machine, Sumitomo electric injection molding machine, Engel oil compressor, fully automated assembly, test machine imported from Japan.



Driving
Life
Better



Gear damper



Different gears available

							
Dobond gear type	01	02	03	04	05	06	07
Pressure angle	20. 0°		14. 5°	20. 0°			
Modulus	0. 8						
Tooth number	11. 0	16. 0	13. 0	11. 0	16. 0	10. 0	12. 0
Pitch diameter (mm)	8. 8	12. 8	10. 4	8. 8	12. 8	8. 0	9. 6
Outer diameter (mm)	10. 4	14. 0	12. 0	10. 4	14. 4	9. 6	11. 2
Height (mm)	3. 0	4. 5	3. 0	4. 5	3. 0	3. 6	3. 5

Torque range

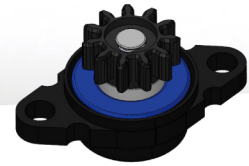
Torsion (N.cm)	Color
025=0.25N · cm ± 0.08	
030=0.30N · cm ± 0.10	
045=0.45N · cm ± 0.12	
060=0.60N · cm ± 0.17	
080=0.60N · cm ± 0.15	
095=0.95N · cm ± 0.18	
110=1.10N · cm ± 0.20	
120=1.20N · cm ± 0.20	
150=1.50N · cm ± 0.25	
220=2.20N · cm ± 0.35	



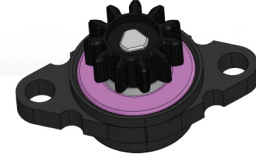
D01021

Torque force (N.cm)

020=2.0N · cm ± 0.3
027=2.7N · cm ± 0.4
039=2.2N · cm ± 0.5

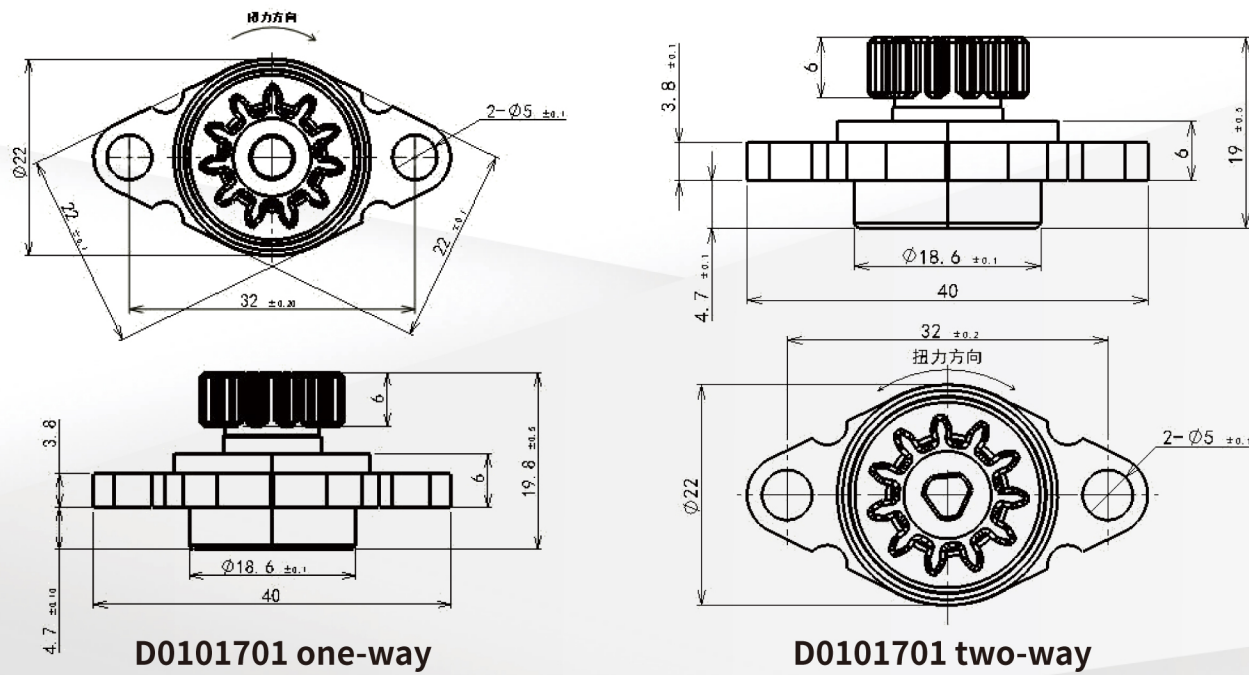


D0101701 one-way



D0101701 two-way

D0101701 drawing



Torque range

Torsion (N.cm)	Color
010=1.0±0.4	Blue
030=3.0±0.7	Green
040=4.0±0.7	Brown
055=5.5±0.8	Black
075=7.5±1.3	White
110=11.0±1.5	Grey
150=15.0±2.0	Pink

Temperature:
-30°C up to +80°C

Longevity:
15000 cycles*

*1 cycle:
one clockwise and one
anticlockwise

Specification

Series	Housing	Claw type	Claw size T*H (mm)
D02003	φ 17.7 × 60.0	/	/
D02004	φ 16.3 × 30.0	1	5.9 × 8.0
D02006	φ 8.0 × 51.7	/	/
D02010	φ 13.0 × 16.0	1	1.5 × 2.0
		2	1.0 × 1.0
		3	2.5 × 2.0
D02011	φ 12.0 × 14.0	1	1.7 × 1.3
		2	1.7 × 1.0
D02012	φ 13.0 × 16.0	1	1.5 × 2.0
D02013	φ 10.0 × 7.9	1	3.0 × 2.1
D02018	φ 13.0 × 12.4	1	1.5 × 1.6
D02019	φ 9.4 × 7.0	/	/

Different torsion available

Series	Torque force (N.cm)				
D02003	4.0±0.80	6.0±1.00	7.0±1.00	10.5±1.50	/
D02004	15 (+3.5/0)	30 (+8/0)	/	/	/
D02006	2.2±0.60	/	/	/	/
D02010	5.0±0.85	6.0±0.85	8.0±1.10	10.0±1.50	11.0 (+2/-1)
D02011	3.4±0.5	5.0±0.85	6.2±1.00	/	/
D02012	5.0±0.85	6.0±0.85	8.0±1.10	10.0±1.50	11.0 (+2/-1)
D02013	1.0±0.35	1.5±0.35	2.5±0.70	3.75±0.75	/
D02018	5.0±0.85	/	/	/	/
D02019	1.5±0.30	/	/	/	/



D03004

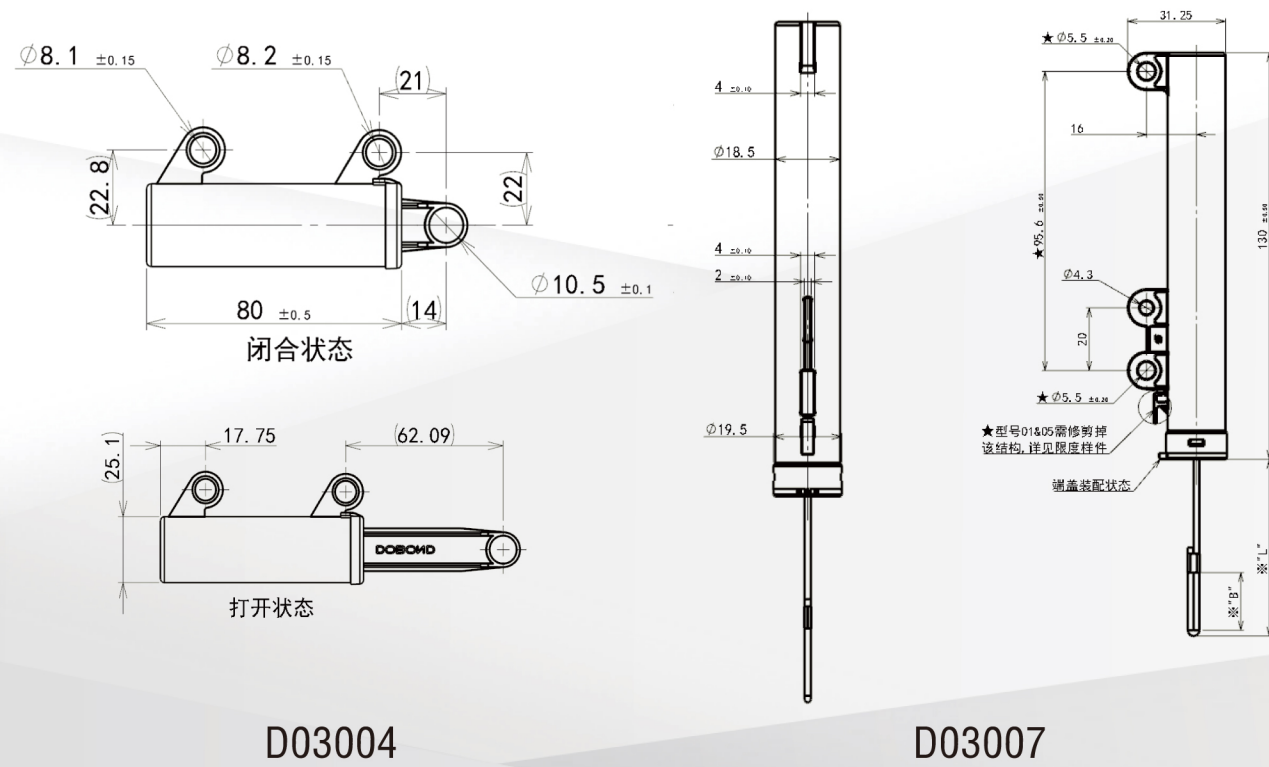


D03007



D03010

Product drawing



Specification

Series	Housing	Installation	Locking	Pulling-force(N)
D03004	$\phi 25.0 \times 80.0$	Location pin	Location pin	30
D03007	$\phi 18.5 \times 130.0$	Spud lead/Bolt	Drawstring Buckle	25
D03010	$\phi 14.5 \times 74.5$	Location pin	Location pin	40

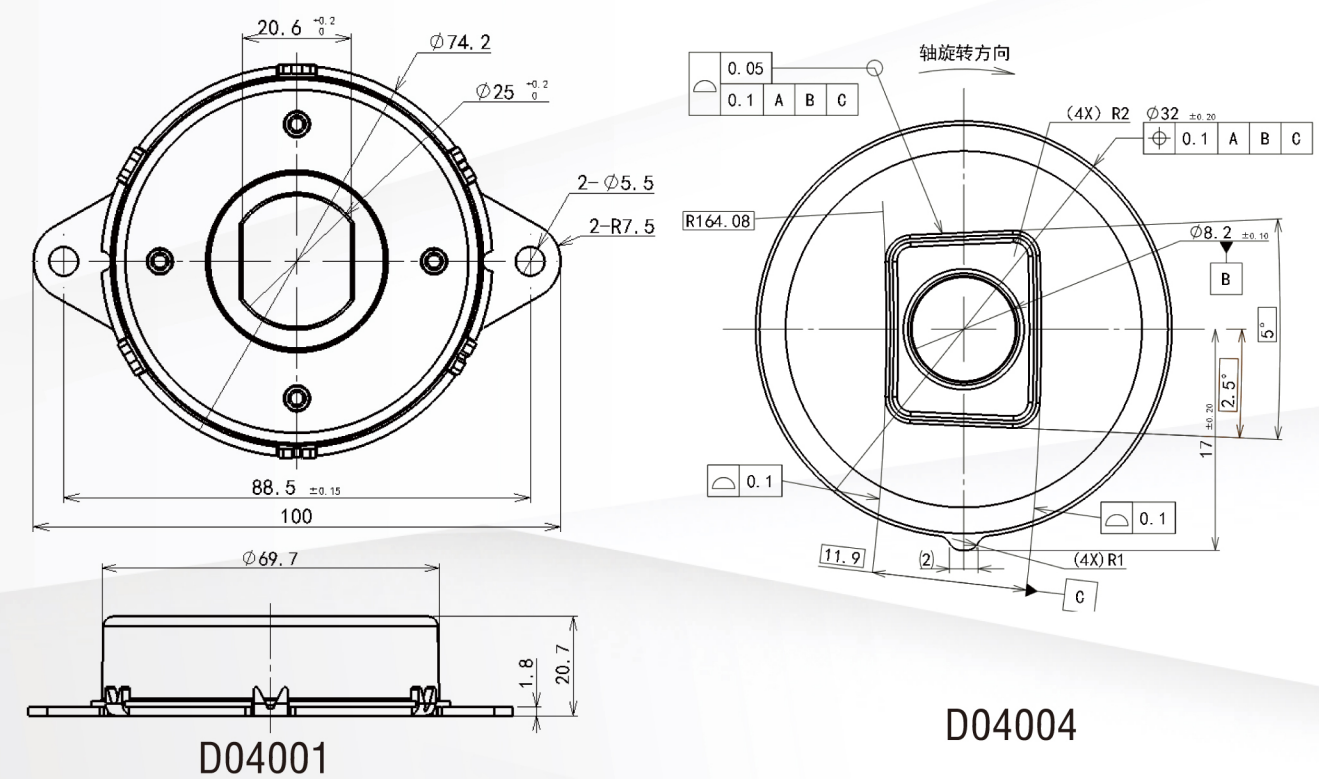


D04001



D04004

Product drawing



Specification

Series	Size	Side-lock size	Torque	
D04001	$\phi 100 \times 20.7$	$\phi 25.0 \times 20.6$	$8 \pm 3 \text{ N} \cdot \text{cm}$	$14 \pm 3 \text{ N} \cdot \text{cm}$
D04004	$\phi 32 \times 16.5$	$\phi 8.2 \times 16.5$	$40 \pm 5 \text{ N} \cdot \text{cm}$	/



D05001

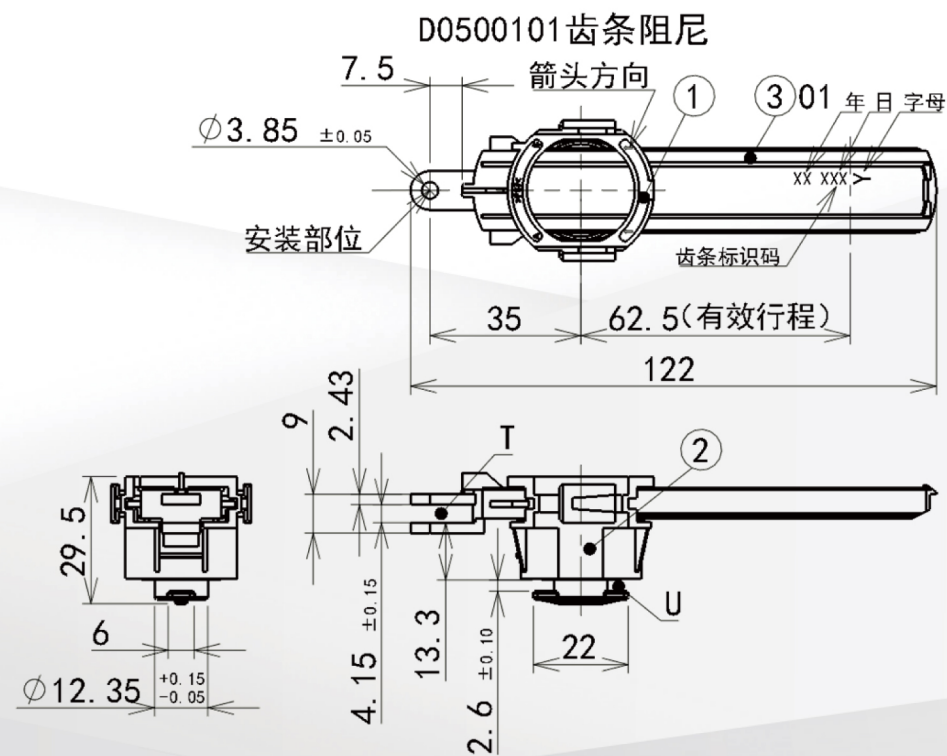


D05003



D05004

2D drawing



Specification

Series	D05001				
Size	122.0*29.5	139.6*29.5	155.0*29.5	125.0*29.5	108.4*29.5
Effective stroke	62.5	80.1	89.0	61.1	56.9
Side-lock size	φ 4.0*4.0	φ 4.0*4.0	φ 6.6*2.3	φ 6.6*2.5	φ 4.0*4.0
Torsion (N.cm)	1.5±0.5N.cm				
	2.5±0.5N.cm				
	3.5±0.5N.cm				
	4.5±0.5N.cm				
	6.0±0.5N.cm				
	7.0±0.5N.cm				
	9.0±0.5N.cm				
	12.0±0.5N.cm				
	15.0±0.5N.cm				

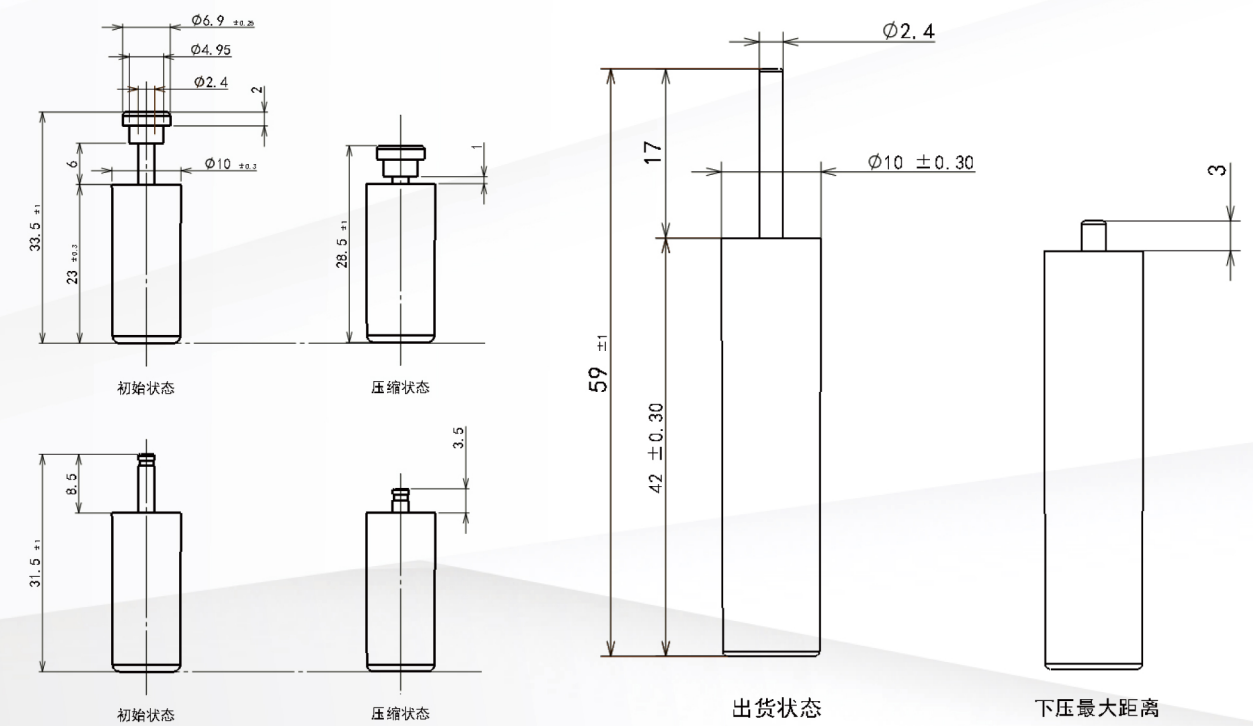


D06002



D06004

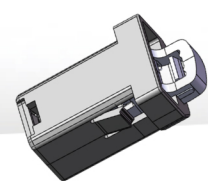
2D drawing



Specification

Series	Cap	Housing	Shaft type	Force (N) (pressing SP 500mm/min)		Notes
D0600200	yes	φ 10 × 23	01	φ 2.4 × 10.5	90 ± 15	105 ± 25
	no			φ 2.4 × 8.5	100 ± 20	/
D0600401	no	φ 10 × 42	01	φ 2.4 × 17.0	5 ± 0.75	200 ± 50
D0600402	no	φ 10 × 42	02	φ 2.4 × 17.0	10 ± 2	/

Pressing speed
300mm/min



L001



L002

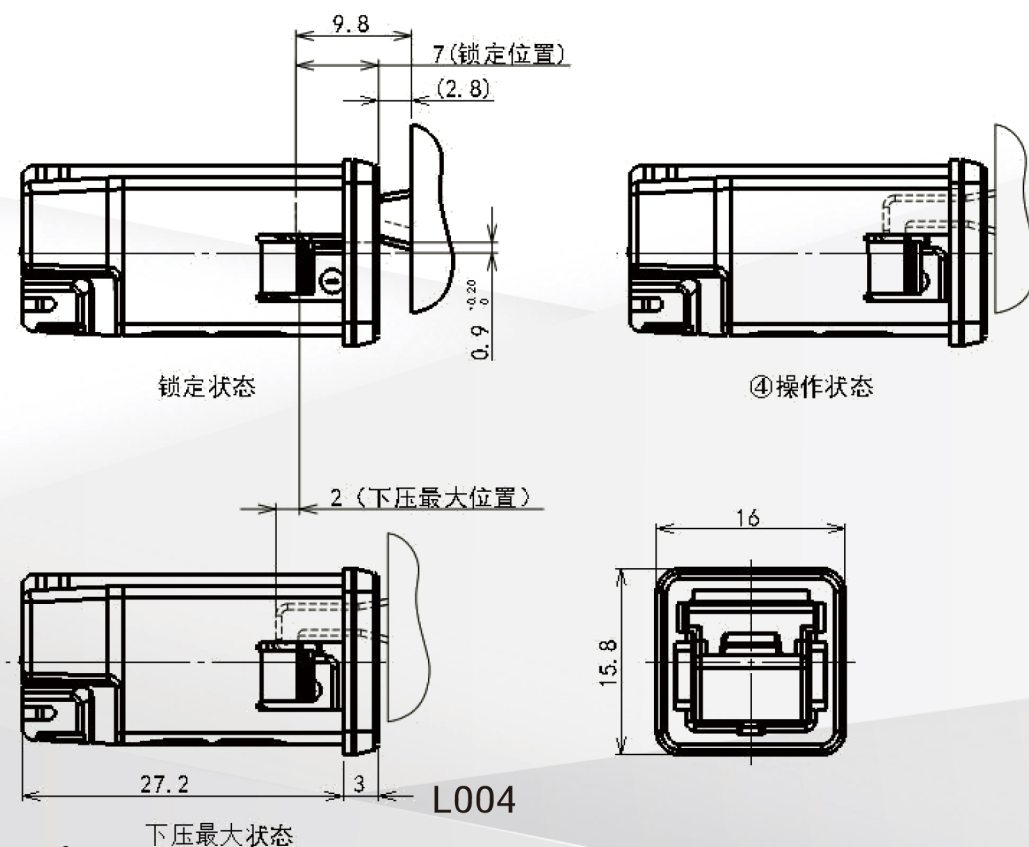


L004



L005

2D drawing



Specification

Voiceless push-push latch	Size (mm)	Operating temperature (°C)	Unlocking force (N)
L001	11.0*7.4*15.2	-40~90	4.0
L002	11.1*9.9*18.3	-40~90	6.0
L004	16.0*15.8*30.2	-40~90	3.5
L005	11.0*7.0*17.5	-40~90	2.5

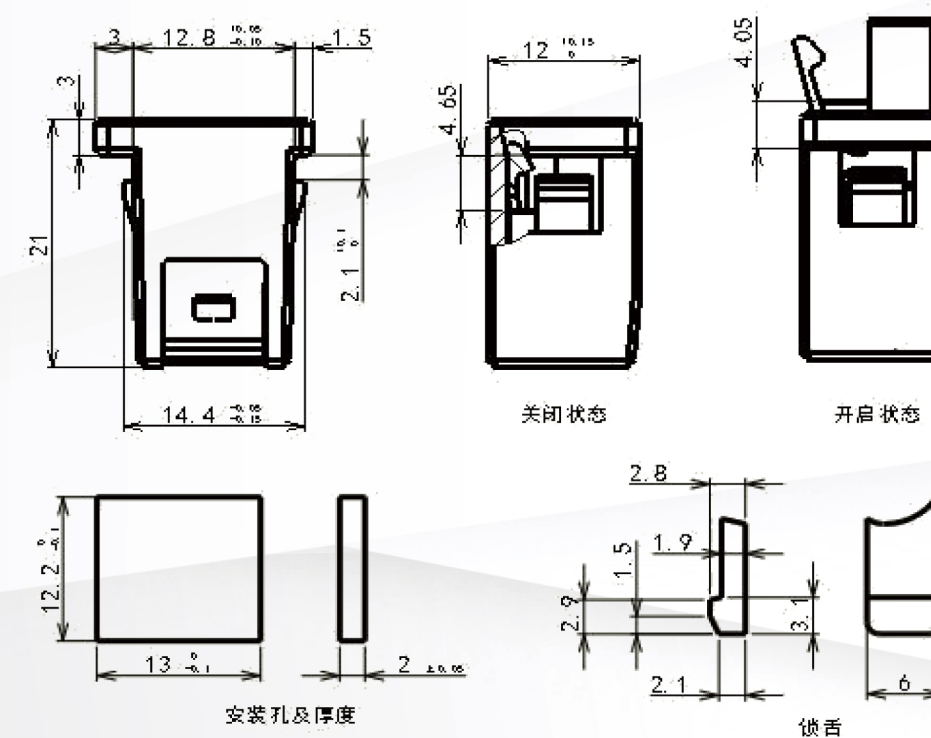


L006



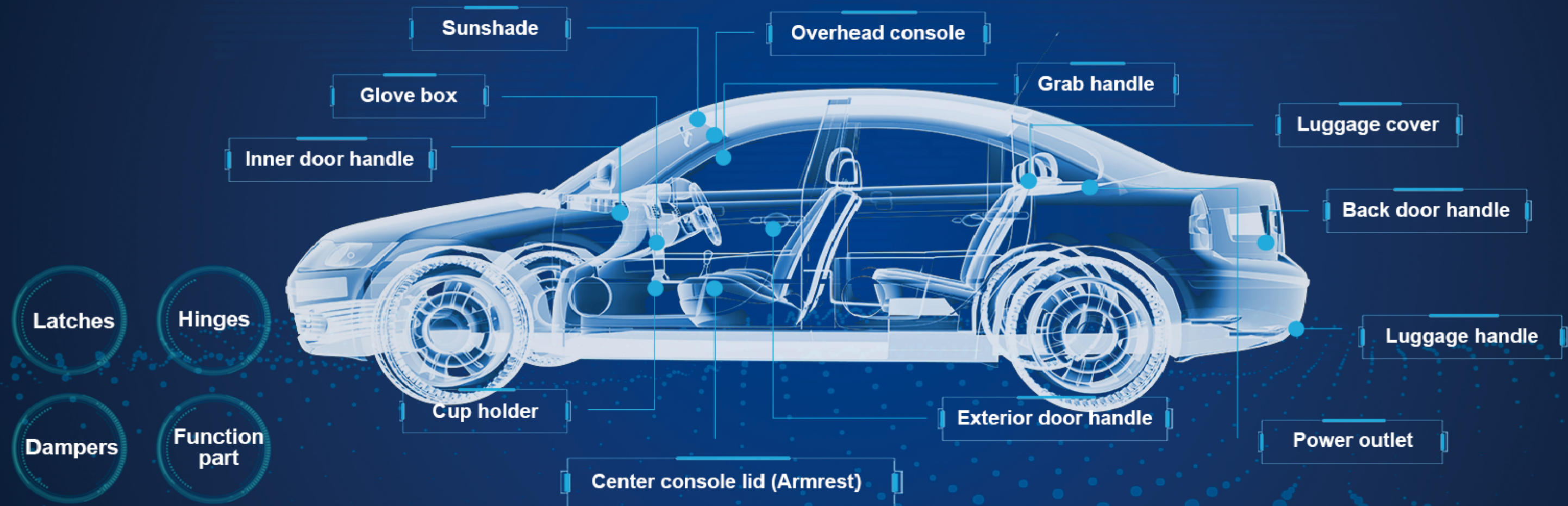
L008

2D drawing



Specification

Push-push latch	Size (mm)	Operating temperature (°C)	Unlocking force (N)
L006	11.1*7.0*15.3	-40~90	5.0
L008	17.3*12.0*21.0	-40~90	8.5



Presentation



Pegasus (N053)

- Outlook:
Spray painting black, white
- Function:
1. Spray painting with good appearance;
 2. Barrel damping makes it more silky.



Aries (N054)

- Outlook:
Leather and graphite gray
- Function:
1. A hook full blocking structure, covering the internal structure, better in look;
 2. Barrel damping makes it more silky.

Application scene



Presentation



EF1E(N074)

- Outlook:
Leather grey, brown, black, blue
- Function:
1. Semi-blocking padding structure to cover the internal structure, which looks good;
 2. Barrel damping makes it more silky.



Clothes hook (N011)

- Outlook:
Electroplate white, brown
- Function:
1. Electroplated hook;
 2. Internal rotation block structure makes it effectively opened and closed.

Application scene





Presentation



SK2(N037)

Outlook:

Spray painting grey, black

Function:

- 1. It can be divided into high bright black and matte gray, the appearance of the paint panel is more eye-catching;
- 2.The cup holder adopts a flip structure with gear damping to open smoothly;
- 3.Use soft silicone stuck claws to increase cup stability.



SG(N064)

Outlook:

Electroplate polar silver, black

Function:

- 1.The appearance of electroplating strips is better;
- 2.Use the button-type unlocking to achieve one-and-one stop.

Application scene



Presentation



VF12(N004)

Outlook:

Electroplate black

Function:

- 1.Using sliding curtains to cover interior when cup-holder not in use;
- 2. Use button-type unlocking to achieve one-and-one stop.



E38 (N005)

Outlook:

Spray painting+electroplate green, black

Function:

- 1.The principle of gear meshing makes cover move more stable;
- 2.Spray paint panel, beautiful appearance;
- 3.Internal hidden buttons, saving space but does not affect its beauty.

Application scene





Presentation



T18P (N030)

Outlook:
Coating+electroplating
Function:
1.Cladding with electroplating makes it better in visual effect;
2.The overall size is smaller, with better functionality.



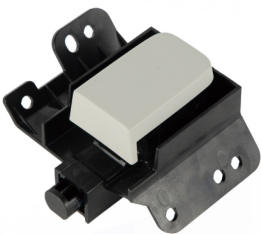
EP40 (N051)

Outlook:
Electroplating
Function:
1. Electroplating in appearance, two colors, and the surface can be designed with different patterns;
2.Unlocking itinerary can be adjusted and can be applied in different cars.

Application Scene



Presentation



EP40 (N041)

Outlook:
Spray Painting
Function:
1.The appearance adopts spray paint, and the new unlocking structure is also used, which can be more convenient to unlock;
2.The outplacement board is smaller. and the itinerary is short when pressing, easier to use.



M1E (N042)

Outlook:
Spray painting
1.Using flip-type design, with internal double spring, opening smoothly:
2.Dermatoglyphics design appearance, the overall design is small, which is convenient and good-looking.

Application Scene



Presentation



N50 (N061)

Locking function:

1. It operates better by using rotation unlocking method;
2. Smaller volume matching small space.



SK2F(N006)

Returning function:

1. It is divided into two states: internal pressure and external pull, which can be used in most cars;
2. The force value can be adjusted, and the itinerary can also be slightly adjusted.

Application scene



Company Honor



Business Partners



Our Equipments

Mold processing and injection molding



Assembly set and testing equipment



Automatic warehouse and testing equipment

