



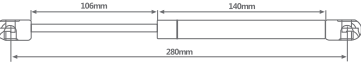
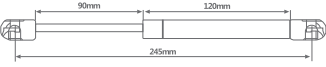
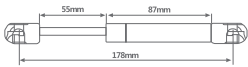
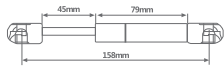
TALLSEN

TG

TENSION GAS SPRING

Soft closing gas support technical data

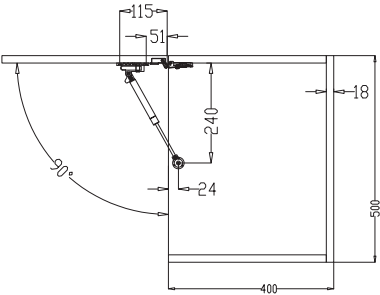
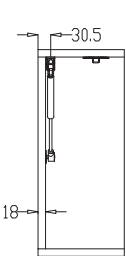
Tube diameter: 15x1.00mm Bar diameter :Ø6mm



INSTALLATION ILLUSTRATION
FOR WOODEN
PANEL AND ALUMINIUM FRAME
Chipboard with 18MM.
The illustrations are suggestions
of installations

Product Technical Parameters

Product	Lengths/mm	distance/mm	medium to medium/mm
6 inch	79	45	158
8 inch	87	55	178
10inch	120	90	245
12inch	140	106	280



REFERENCE DATA FOR INSTALLATION AND USE OF SOFT UP GAS SUPPORT																						
Length of cabinet door	500			600			700			800			900			1000			1200			
Height of cabinet door	Weight of cabinet door	Quality	Force	Weight of cabinet door	Quality	Force	Weight of cabinet door	Quality	Force	Weight of cabinet door	Quality	Force	Weight of cabinet door	Quality	Force	Weight of cabinet door	Quality	Force	Weight of cabinet door	Quality	Force	
350	1.5-1.8	1	60N	2.0-2.5	1	80N	2.5-3.0	1	80N	3.5-4.0	1	100N	4.0-4.5	1	100N	4.5-5.0	1	120N	5.5-6.0	1	-	
		-	-		2	40N		2	50N		2	50N		2	50N		2	60N		2	80N	
400	1.9-2.1	1	80N	2.5-3.0	1	80N	3.0-3.5	1	100N	4.0-4.5	1	120N	4.5-5.0	1	120N	5.0-5.5	-	-	6.0-6.5	-	-	
		-	-		2	50N		2	50N		2	60N		2	60N		2	80N		2	80N	
450	2.1-2.4	1	80N	3.0-3.5	1	100N	3.5-4.0	1	120N	4.5-5.0	1	150N	5.0-5.5	1	150N	5.5-6.0	-	-	6.5-7.0	-	-	
		-	-		2	50N		2	60N		2	80N		2	80N		2	80N		2	100N	
500	2.4-2.6	1	80N	3.2-3.5	1	120N	4.0-4.5	1	120N	5.0-5.5	1	180N	5.5-6.0	-	180N	6.0-6.5	-	-	7.0-7.5	-	-	
		2	50N		2	60N		2	60N		2	80N		2	-		2	100N		2	120N	
550	2.6-2.9	1	100N	3.5-4.0	1	150N	4.5-5.0	1	150N	5.5-6.0	-	-	6.0-6.5	-	-	6.5-7.0	-	-	7.5-8.0	-	-	
		2	50N		2	80N		2	80N		2	100N		2	100N		2	100N		2	120N	
600	3.0-3.3	1	100N	4.0-4.5	1	150N	5.0-5.5	1	150N	6.0-6.5	-	-	6.5-7.0	-	-	7.0-7.5	-	-	8.0-8.5	-	-	
		2	50N		2	80N		2	80N		2	100N		2	120N		2	120N		2	120N	
650	3.3-3.6	1	120N	4.5-5.0	1	150N	5.5-6.0	-	-	6.5-7.0	-	-	7.0-7.5	-	-	7.5-8.0	-	-	8.5-9.0	-	-	
		2	60N		2	80N		2	100N		2	100N		2	120N		2	-		2	-	
700	3.6-4.0	1	120N	5.0-5.5	1	180N	6.0-6.5	-	-	7.0-7.5	-	-	7.5-8.0	-	-	8.0-8.5	-	-	9.0-9.5	-	-	
		2	60N		2	100N		2	120N		2	1		2	-		2	1		2	-	

Note: the above selection is the laboratory test results: door panel (medium density door panel), plate thickness of 18mm (bearing capacity parameters: for reference only)

REFERENCE DATA FOR INSTALLATION AND USE OF FREE STOP GAS SUPPORT																						
Length of cabinet door	500			600			700			800			900			1000			1200			
Height of cabinet door	Weight of cabinet door	Quantity	Force	Weight of cabinet door	Quantity	Force	Weight of cabinet door	Quantity	Force	Weight of cabinet door	Quantity	Force	Weight of cabinet door	Quantity	Force	Weight of cabinet door	Quantity	Force	Weight of cabinet door	Quantity	Force	
350	1.5-2.0	1	45N	2.5-3.0	1	45N	3.0-3.5	1	45N	3.5-4.0	1	45N	4.0-4.5	-	-	4.5-5.0	-	-	5.5-6.0	-	-	
		-	-		-	-		2	-		-	-		2	45N		2	45N				
400	2.0-2.5	1	45N	2.5-3.0	1	45N	3.0-3.5	1	45N	4.0-4.5	1	-	4.5-5.0	1	-	5.0-5.5	-	-	6.0-6.5	-	-	
		-	-		2	-		2	-		2	45N		2	45N		2	45N				
450	2.5-3.0	1	45N	3.0-3.5	1	65N	3.5-4.0	1	65N	4.5-5.0	-	-	5.0-5.5	-	-	5.5-6.0	-	-	6.5-7.0	-	-	
		-	-		2	-		2	45N		2	65N		2	65N							
500	3.0-3.5	1	65N	3.5-4.0	1	65N	4.0-4.5	1	65N	5.0-5.5	-	-	5.5-6.0	-	-	6.0-6.5	-	-	7.0-7.5	-	-	
		2	-		2	-		2	-		2	65N		2	65N		2	65N				
550	3.5-4.0	1	-	4.0-4.5	-	-	4.5-5.0	-	-	5.5-6.0	-	-	6.0-6.5	-	-	6.5-7.0	-	-	7.5-8.0	-	-	
		2	45N		2	45N		2	45N		2	65N		2	65N		2	85N				
600	4.0-4.5	1	-	4.5-5.0	-	-	5.0-5.5	-	-	6.0-6.5	-	-	6.5-7.0	-	-	7.0-7.5	-	-	8.0-8.5	-	-	
		2	45N		2	45N		2	65N		2	65N		2	65N		2	85N				
650	4.5-5.0	1	-	5.0-5.5	-	-	5.5-6.0	-	-	6.5-7.0	-	-	7.0-7.5	-	-	7.5-8.0	-	-	8.5-9.0	-	-	
		2	45N		2	65N		2	65N		2	85N		2	85N		2	-				
700	5.0-5.5	1	-	5.5-6.0	-	-	6.0-6.5	-	-	7.0-7.5	-	-	7.5-8.0	-	-	8.0-8.5	-	-	9.0-9.5	-	-	
		2	45N		2	65N		2	85N		2	85N		2	85N		2	-				

Note: the above selection is the laboratory test results: door panel (medium density door panel), plate thickness of 18mm (bearing capacity parameters: for reference only)



UPWARD FREE STOP LIFT SYSTEM



- ▶ Main material: Steel, plastic
- ▶ Finish: Nickel plating
- ▶ Product Features: Suitable for upturning wooden door and aluminium frame door



FREE STOP
GS3510
TALLSEN

	Light type 2.7-3.7kg Middle type 3.9-4.8kg Heavy type 4.9-6kg
	16/19/22/26/28mm
	+2mm
	330-500mm
	600-1200mm
	1 set/box 10 sets/carton

Product information

Lift body (left & right) / Opening angle: 110°					Lift body (left & right) / Opening angle: 110°				
1 set x lift body	1 set x cover A	1 set x panel ready package accessory	8 pcs x screws Ø4x39mm	4 pcs x screws Ø4x16mm	1 set x lift body	1 set x cover A	1 set x panel ready package accessory	8 pcs x screws Ø4x39mm	4 pcs x screws Ø4x16mm
A cover (left & right) / Plastic					B cover (left & right) / Plastic				
Colour					Colour				
White					White				
Gray					Gray				
Order number					Order number				
A-1					B-1				
A-2					B-2				

Installation size(mm)

Hole position and needed space		fixed position	
SOB panel thickness		4 pcs x woodworking screws Ø4x39mm	
Panel installation size		Minimum door gap	
4 pcs x woodworking screws (Ø4x16mm)Use for fixing the aluminum panel 62+T=Total length 12.5+T=Total length		MF is 2 mm at opening	

GAS SPRING

www.tallsen.com



SOFT CLOSING GAS SPRING



Force
20N-150N



Center distance
245mm



Stroke
90mm



100 pcs/carton

- Main material: 20# finishing tube, nylon
- Rod finish: Chrome plating
- Tube finish: Dark gray/Silver
- Product Features: Adjustable, soft closing

Cabinet Stay Hinge Lid Support Tatami Gas support



SOFT CLOSING
GS3190
TALLSEN

150N Heavy Duty Gas Safety Lift Support Tatami Gas support



SOFT CLOSING
GS3200
TALLSEN

GAS SPRING



Force
20N-150N



Center distance
245mm



Stroke
90mm



100 pcs/carton

- Main material: Steel, plastic, 20# finishing tube
- Rod finish: Chrome plating
- Tube finish: Onyx black
- Product Features: Soft up/free stop

Soft Close Gas Strut For Cupboard



FREE STOP
GS3302
TALLSEN



SOFT UP
GS3301
TALLSEN

GAS SPRING



Force
20N-150N



Center distance
245mm



Stroke
90mm



100 pcs/carton

- ▶ Main material: Steel, plastic, 20# finishing tube
- ▶ Rod finish: Chrome plating
- ▶ Tube finish: Silver
- ▶ Product Features: Soft up, Soft down, free stop

Gas Spring Cylinders Lift
Of Tatami Gas support



SOFT UP
GS3110
TALLSEN

GAS SPRING



Force
20N-150N



Center distance
245mm



Stroke
90mm



100 pcs/carton

- ▶ Main material: Steel, plastic, 20# finishing tube
- ▶ Rod finish: Chrome plating
- ▶ Tube finish: Silver
- ▶ Product Features: Soft up, Soft down, free stop

Free Stop Furniture Gas Struts
Tatami Gas support



SOFT UP
GS3160
TALLSEN

GAS SPRING

www.tallsen.com



GAS SPRING



Force
20N-150N



Center distance
245mm



Stroke
90mm



100 pcs/carton

- Main material: Steel, 20# finishing tube
- Rod finish: Chrome plating
- Tube finish: Silver
- Product Features: Soft up, soft down, free stop

GAS SPRING



Force
20N-150N



Center distance
245mm



Stroke
90mm



100 pcs/carton

- Main material: Steel, 20# finishing tube
- Rod finish: Chrome plating
- Tube finish: Silver
- Product Features: Soft up, soft down, free stop

Universal Gas Spring Lift Support Tatami Gas support



SOFT UP
GS3140
TALLSEN



SOFT UP
GS3150
TALLSEN

GAS SPRING



GAS SPRING



Force
20N-150N



Center distance
245mm



Stroke
90mm



100 pcs/carton

- ▶ Main material: Steel, plastic, 20# finishing tube
- ▶ Rod finish: Chrome plating
- ▶ Tube finish: Silver/white
- ▶ Product Features: Soft up, Soft down, free stop



SOFT UP
GS3130
TALLSEN



WITH COVER (WHITE)
GS3180
TALLSEN

HYDRAULIC CABINET SUPPORT



Weight
±225g



100 pcs/carton

- ▶ Main material: Zinc alloy
- ▶ Finish: Chrome plating
- ▶ Product Features: Support cabinet upturning door



TURN UP
GS3203
TALLSEN

GAS SPRING



TATAMI GAS SPRING



Opening angle
85 degree



1 pc/ inner box
20pcs/carton

- ▶ Main material: Steel, plastic
- ▶ Finish: Nickel plating
- ▶ Product Features: Support Tatami cabinet door, soft closed

Gas Lid For Tatami Storage



TURN-UP
GS3810
TALLSEN



TURN-DOWN
GS3820
TALLSEN

Soft Close Gas Strut Lift Support



Force
120N



Center distance
325mm



Stroke
102mm



1 pc/poly bag
100 pcs/carton

- ▶ Main material: Steel, plastic, 20# finishing tube
- ▶ Rod finish: Chrome plating
- ▶ Tube finish: Grey
- ▶ Product Features: Support Tatami cabinet door, soft closed



SOFT UP
GS3830
TALLSEN



WITH COVER
GS3840
TALLSEN

TALLSEN



Deutsche Qualität

Nr. 30 2021 100 599