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PUSH-OPEN FREE-STOP SLIM UPWARD DOOR LIFT SYSTEM

TCH-313000 337.T

Features

- Slim compact design
- Free-stop functionality range: 40°-100°
- Force adjustable
- Hinge-required system.
- Recommended for use with the T-XT hinge series, featuring integrated opening angle restrictors (85°, 95°, 105°) and a built-in soft-open mechanism
- Compatible cabinet dimensions
  - Height: (10 1/4") 260 mm to (24") 600 mm
  - Front weight: (3.3 lb - 30.2 lb) 1.5 kg - 13.7 kg
- Sold as a each

Color options



Nickel



Gun Metal



Usage Recommendations

SKU	LF-Based Selection		Weight-Based Selection						Required QTY
	Cabinet Height	LF	Cabinet Height (KH)		Front Weight (LB)		Front Weight (KG)		
			IN	MM	Min.	Max.	Min.	Max.	
TCH-313000 337.T.L	10.25" - 16" 260 mm - 400 mm	52.1 - 104.2 in-lb 600 - 1200 mm.kg	10.25	260	5.1	10.1	2.3	4.6	1
			12	300	4.4	8.8	2.0	4.0	
			14	350	3.7	7.5	1.7	3.4	
			16	400	3.3	6.6	1.5	3.0	
	10.25" - 16" 260 mm - 400 mm	104.2 - 208.3 in-lb 1200 - 2400 mm-kg	10.25	260	10.1	20.3	4.6	9.2	2
			12	300	8.8	17.6	4.0	8.0	
			14	350	7.5	15.0	3.4	6.8	
			16	400	6.6	13.2	3.0	6.0	
TCH-313000 337.T.M	10.25" - 16" 260 mm - 400 mm	93.7 - 164.0 in.lb 1080 - 1890 mm.kg	10.25	260	9.0	15.9	4.1	7.2	1
			12	300	7.9	13.9	3.6	6.3	
			14	350	6.6	12.3	3.0	5.6	
			16	400	6.0	10.4	2.7	4.7	
	12" - 20" 300 mm - 500 mm	213.4 - 328.0 in.lb 2460 - 3780 mm-kg	12	300	18.1	27.8	8.2	12.6	2
			14	350	15.4	23.8	7.0	10.8	
			16	400	13.4	20.7	6.1	9.4	
TCH-313000 337.T.H	16" - 24" 400 mm - 600 mm	125.0 - 238.7 in.lb 1440 - 2750 mm-kg	16	400	7.9	15.0	3.6	6.8	1
			18	450	7.1	13.4	3.2	6.1	
			20	500	6.2	12.1	2.8	5.5	
			22	550	5.7	11.0	2.6	5.0	
			24	600	5.3	9.9	2.4	4.5	
	16" -24" 400 mm - 600 mm	250.0 - 477.4 in.lb 2880 - 5500 mm.kg	16	400	15.9	30.2	7.2	13.7	2
			18	450	14.1	26.9	6.4	12.2	
			20	500	12.6	24.3	5.7	11.0	
			22	550	11.5	22.0	5.2	10.0	
			24	600	10.6	20.1	4.8	9.1	

Note:

Door weight is calculated using a standard density factor of 0.00000072 (Metric: 720 kg/m³ | Imperial: = 0.026 lb/in³). Values shown are estimates and should be verified against the actual door weight for final product selection.

Key Definitions:
- KH = Cabinet Height.

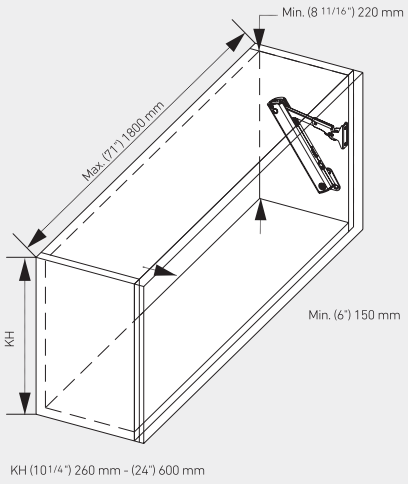
Lift Force (LF) Formula:
- LF = KH x Door Weight

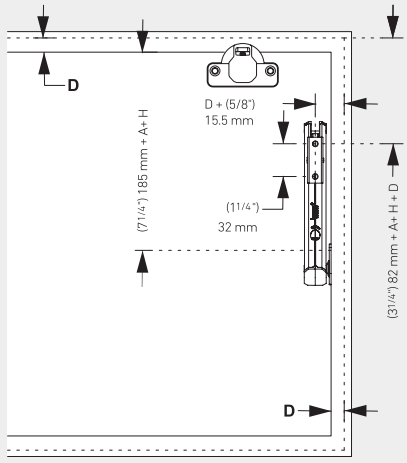
Model Selection Criteria:
- If the LF value falls within an overlapping range, always choose the larger model to ensure optimal performance and longevity.
- If the LF falls outside the standard range, a customized configuration is recommended to meet your cabinet's specific requirements.

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GENERAL INFORMATIONS

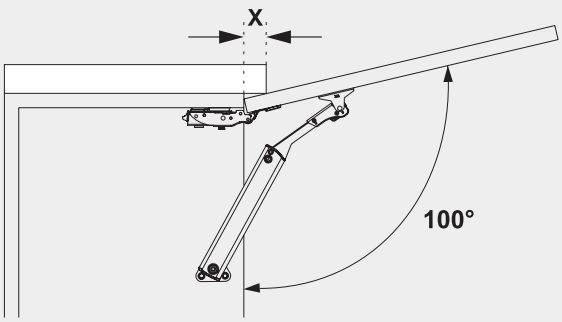
Cabinet specification





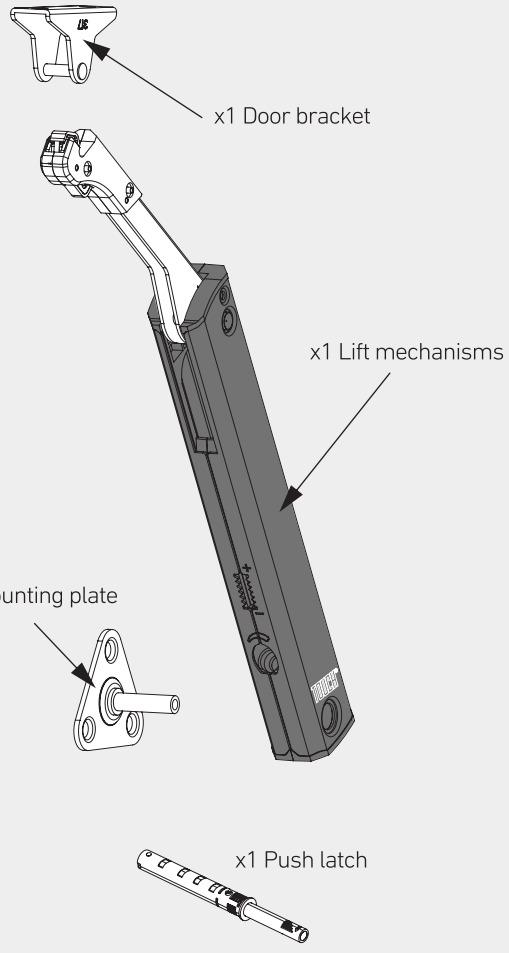
A = Hinge Arm Crank
- Straight Arm Crank: A = 0 mm
- Half-Cranked Arm: A = 9.5 mm
- Full-Cranked Arm: A = 18 mm

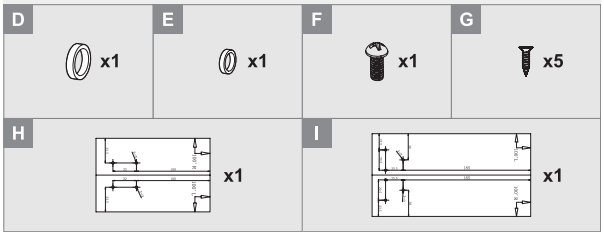
H = Mounting plate height
D = Overlay



Door thickness	MM	16	19	22	25
	IN	0.6	0.8	0.9	1
x	MM	42	31	20	12
	IN	1.7	1.2	0.8	0.5

Included components

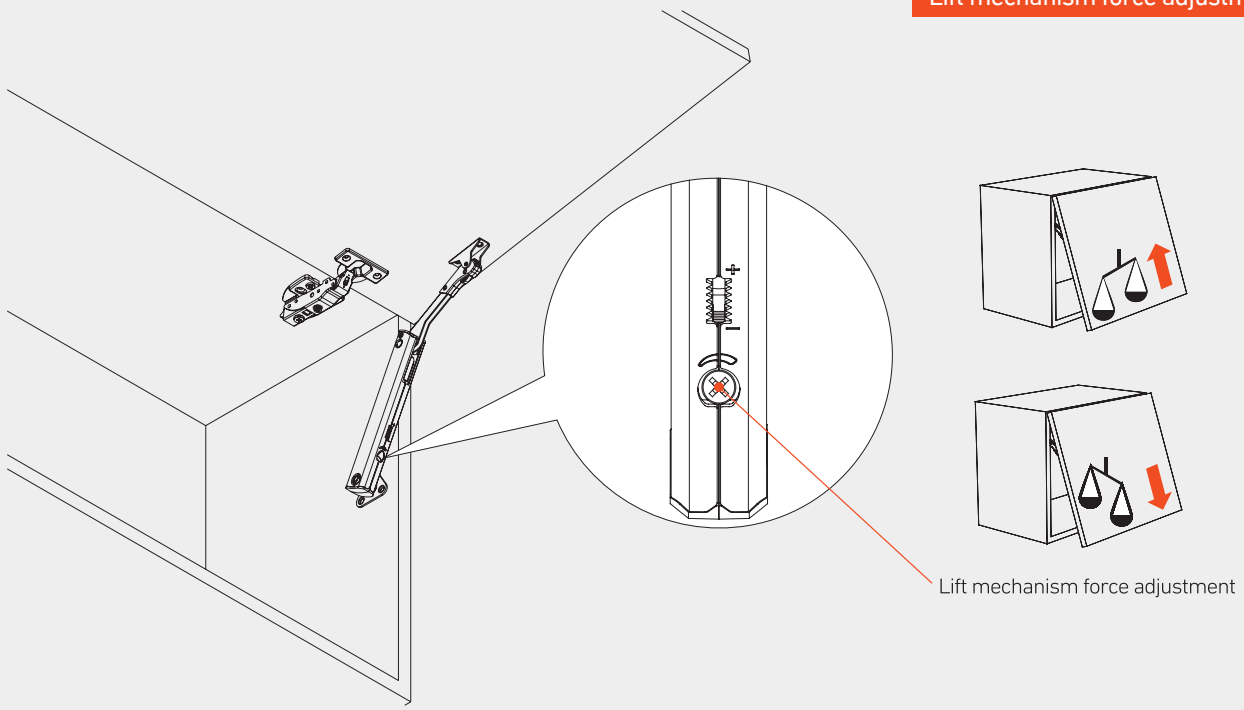




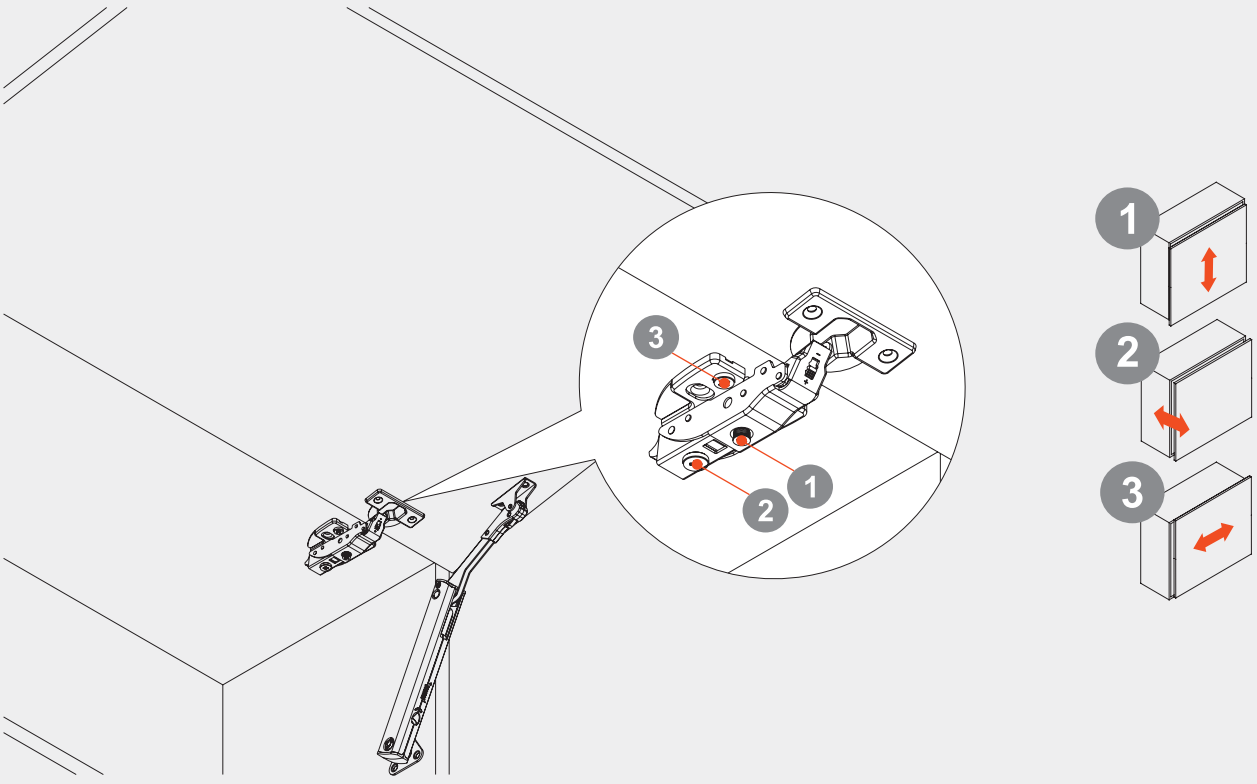
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ADJUSTMENTS POINTS

Lift mechanism force adjustment



Panel alignment adjustment



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