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FREE STOP SOFT-CLOSE LIFT-UP DOOR SYSTEM

TCH-311011 023.S

Features

- Free-stop functionality.
- Soft-close technology with adjustable damping.
- Adjustable opening angle between 85° - 100°.
- Opening and closing force adjustment.
- 3d adjustment capability.
- No hinges required.
- Compact, space-saving design.
- Compatible cabinet dimensions.
  - Height: (10") 250 mm to (32") 800 mm.
  - Front weight: (2.9 lb - 44.0 lb) 1.3 kg - 20.0 kg.
- Sold as a set.



Color options


Dark Gray


Light Gray


White

Usage Recommendations

SKU	LF-Based Selection		Weight-Based Selection					
	Cabinet Height	LF	Cabinet Height (KH)		Front Weight (LB)		Front Weight (KG)	
			IN	MM	Min.	Max.	Min.	Max.
TCH-311011 023.S.L	10" - 20" 250 mm - 500 mm	57.3 - 156.2 in.lb 660 - 1800 mm·kg	10	250	6.0	15.9	2.7	7.2
			12	300	4.9	13.2	2.2	6.0
			14	350	4.2	11.2	1.9	5.1
			16	400	3.7	9.9	1.7	4.5
			18	450	3.3	8.8	1.5	4.0
			20	500	2.9	7.9	1.3	3.6
TCH-311011 023.S.M	12" - 24" 300 mm - 600 mm	95.5 - 251.7 in.lb 1100 - 2900 mm·kg	12	300	8.2	21.2	3.7	9.6
			14	350	7.0	18.1	3.2	8.2
			16	400	6.2	15.9	2.8	7.2
			18	450	5.5	14.1	2.5	6.4
			20	500	4.9	12.8	2.2	5.8
			22	550	4.4	11.5	2.0	5.2
			24	600	4.0	10.6	1.8	4.8
TCH-311011 023.S.H	14" - 28" 350 mm - 700 mm	159.7 - 451.3 in.lb 1840 - 5200 mm.kg	14	350	11.7	32.6	5.3	14.8
			16	400	10.1	28.7	4.6	13.0
			18	450	8.8	25.4	4.0	11.5
			20	500	8.2	22.9	3.7	10.4
			22	550	7.5	20.7	3.4	9.4
			24	600	6.6	19.0	3.0	8.6
			26	650	6.2	17.6	2.8	8.0
			28	700	5.7	16.3	2.6	7.4
TCH-311011 023.S.HD	18" - 32" 450 mm - 800 mm	347.2 - 781.2 in-lb 4000 - 9000 mm·kg	18	450	19.6	44.1	8.9	20.0
			20	500	17.6	39.7	8.0	18.0
			22	550	15.9	35.9	7.2	16.3
			24	600	14.8	33.1	6.7	15.0
			26	650	13.5	30.0	6.1	13.6
		347.2 - 729.1 in-lb 4000 - 8400 mm·kg	28	700	12.6	26.5	5.7	12.0
			32	800	11.0	23.2	5.0	10.5

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.

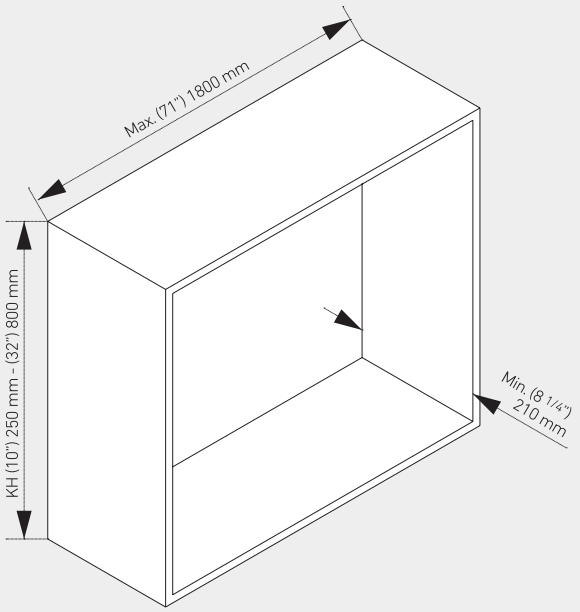
Lift Force (LF) Formula:
- LF = KH x [Door Weight + (Handle Weight x 2)]

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.

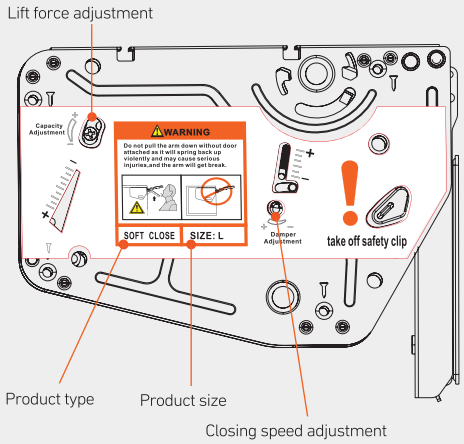
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GENERAL INFORMATIONS

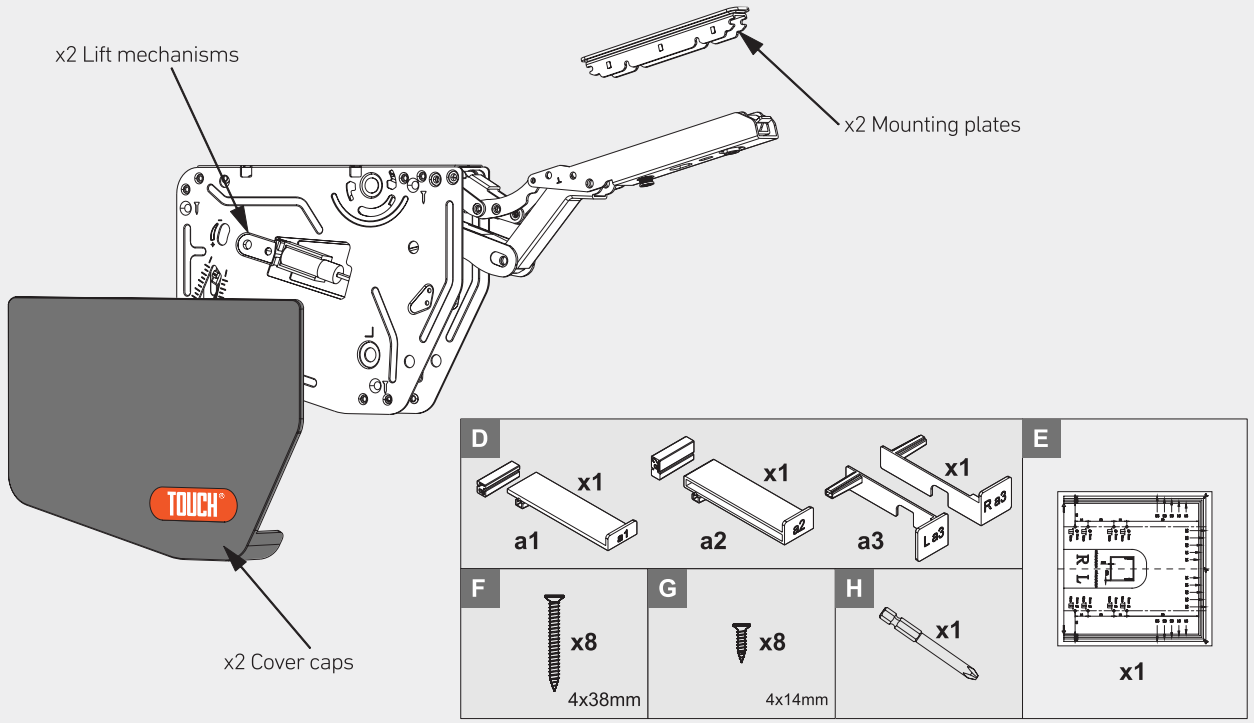
Cabinet specification



Adjustment & label guide



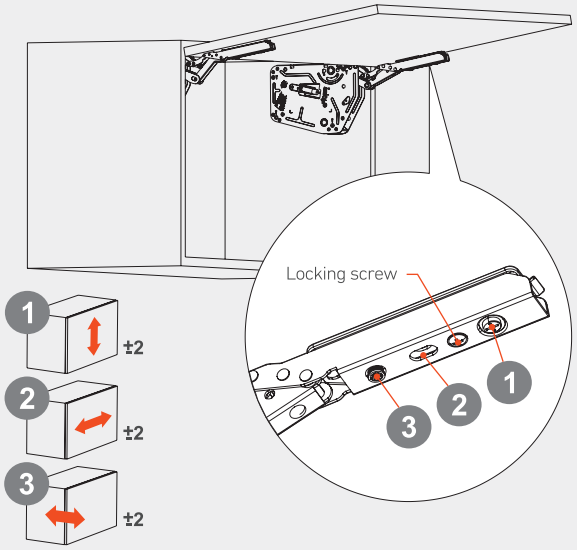
Included components



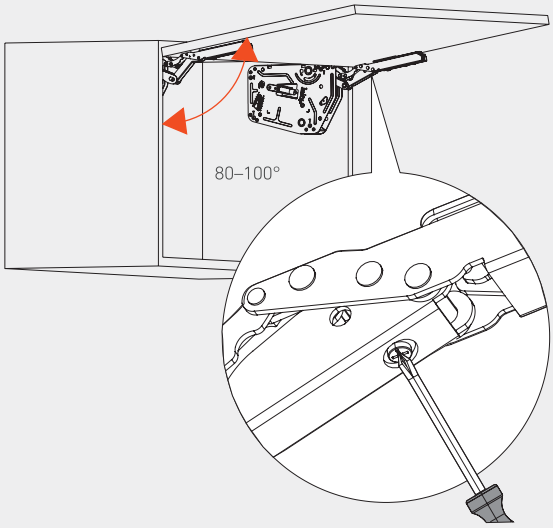
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ADJUSTMENTS POINTS

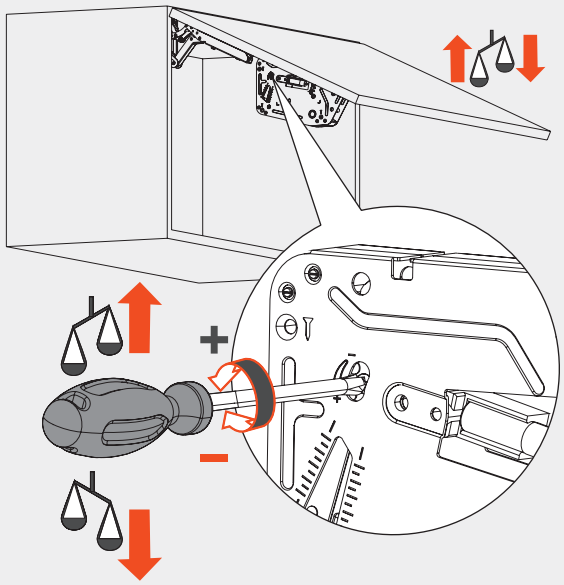
Front panel alignment adjustment



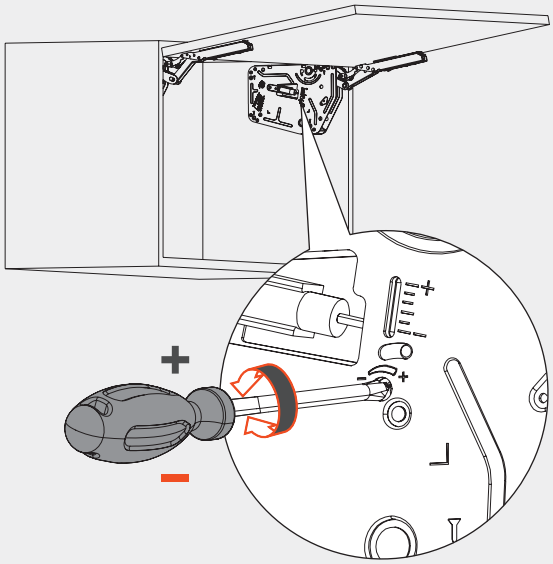
Adjusting door opening range



Lift mechanism force adjustment



Soft-closing adjustment



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