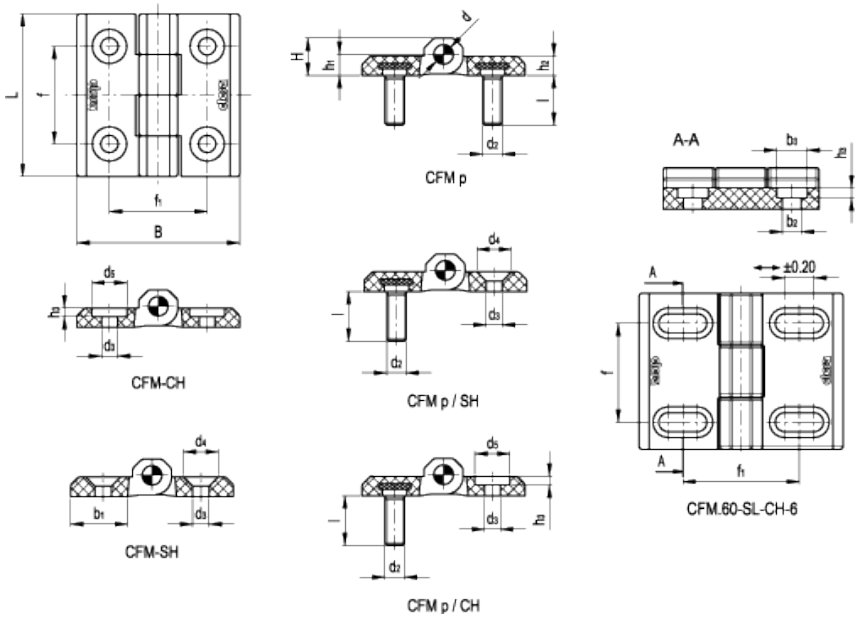
CFM.

Hinges



american unit
metric unit

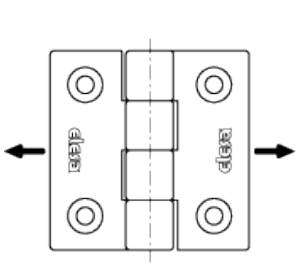
Elesa Standards		Main dimensions									Fitting								Weight
											Studs		Through holes						
Code	Description	L	B	$f_{\pm.0098}$	$f_{1\ \pm.0098}$	H	h_1	h_2	b_1	d	d_2	l	d_3	d_4	d_5	h_3	b_2	b_3	lbs g
425521	CFM.40 p-M5x12	1.57 40	1.57 40	0.98 25	0.98 25	0.35 9	0.22 5.5	0.2 5	0.55 14	0.16 4	- M5	0.47 12	- -	- -	- -	- -	- -	- -	0.057 26
425511	CFM.40 SH-5	1.57 40	1.57 40	0.98 25	0.98 25	0.35 9	0.22 5.5	0.2 5	0.55 14	0.16 4	- -	- -	0.22 5.5	0.41 10.5	- -	- -	- -	- -	0.031 14
425512	CFM.40 CH-5	1.57 40	1.57 40	0.98 25	0.98 25	0.35 9	0.22 5.5	0.2 5	0.55 14	0.16 4	- -	- -	0.22 5.5	- -	0.41 10.5	0.07 1.7	- -	- -	0.031 14
425531	CFM.40 p-M5x12-SH-5	1.57 40	1.57 40	0.98 25	0.98 25	0.35 9	0.22 5.5	0.2 5	0.55 14	0.16 4	- M5	0.47 12	0.22 5.5	0.41 10.5	- -	- -	- -	- -	0.044 20
425532	CFM.40 p-M5x12-CH-5	1.57 40	1.57 40	0.98 25	0.98 25	0.35 9	0.22 5.5	0.2 5	0.55 14	0.16 4	- M5	0.47 12	0.22 5.5	- -	0.41 10.5	0.07 1.7	- -	- -	0.044 20

Elesa Standards		Main dimensions									Fitting								Weight
											Studs		Through holes						
Code	Description	L	B	$f_{\pm.0098}$	$f_{1\ \pm.0098}$	H	h_1	h_2	b_1	d	d_2	l	d_3	d_4	d_5	h_3	b_2	b_3	lbs g
425621	CFM.50 p-M6x12	1.97 50	1.97 50	1.18 30	1.18 30	0.45 11.5	0.26 6.5	0.24 6	0.71 18	0.24 6	- M6	0.47 12	- -	- -	- -	- -	- -	- -	0.11 50
425611	CFM.50 SH-6	1.97 50	1.97 50	1.18 30	1.18 30	0.45 11.5	0.26 6.5	0.24 6	0.71 18	0.24 6	- -	- -	0.26 6.5	0.49 12.5	- -	- -	- -	- -	0.066 30
425612	CFM.50 CH-6	1.97 50	1.97 50	1.18 30	1.18 30	0.45 11.5	0.26 6.5	0.24 6	0.71 18	0.24 6	- -	- -	0.26 6.5	- -	0.49 12.5	0.12 3	- -	- -	0.066 30
425631	CFM.50 p-M6x12-SH-6	1.97 50	1.97 50	1.18 30	1.18 30	0.45 11.5	0.26 6.5	0.24 6	0.71 18	0.24 6	- M6	0.47 12	0.26 6.5	0.49 12.5	- -	- -	- -	- -	0.088 40
425632	CFM.50 p-M6x12-CH-6	1.97 50	1.97 50	1.18 30	1.18 30	0.45 11.5	0.26 6.5	0.24 6	0.71 18	0.24 6	- M6	0.47 12	0.26 6.5	- -	0.49 12.5	0.12 3	- -	- -	0.088 40
425721	CFM.60 p-M8x14.5	2.36 60	2.36 60	1.42 36	1.42 36	0.59 15	0.33 8.5	0.31 8	0.83 21	0.31 8	- M8	0.57 14.5	- -	- -	- -	- -	- -	- -	0.222 101
425711	CFM.60 SH-8	2.36 60	2.36 60	1.42 36	1.42 36	0.59 15	0.33 8.5	0.31 8	0.83 21	0.31 8	- -	- -	0.33 8.5	0.65 16.5	- -	- -	- -	- -	0.126 57
425712	CFM.60 CH-8	2.36 60	2.36 60	1.42 36	1.42 36	0.59 15	0.33 8.5	0.31 8	0.83 21	0.31 8	- -	- -	0.33 8.5	- -	0.65 16.5	0.16 4	- -	- -	0.126 57
425731	CFM.60 p-M8x14.5-SH-8	2.36 60	2.36 60	1.42 36	1.42 36	0.59 15	0.33 8.5	0.31 8	0.83 21	0.31 8	- M8	0.57 14.5	0.33 8.5	0.65 16.5	- -	- -	- -	- -	0.174 79
425732	CFM.60 p-M8x14.5-CH-8	2.36 60	2.36 60	1.42 36	1.42 36	0.59 15	0.33 8.5	0.31 8	0.83 21	0.31 8	- M8	0.57 14.5	0.33 8.5	- -	0.65 16.5	0.16 4	- -	- -	0.174 79
425812	CFM.60-45-SH-6	2.36 60	2.76 70	1.34 34	1.77 45	0.57 14.5	0.31 8	0.3 7.5	1.02 26	0.31 8	- -	- -	0.26 6.5	0.49 12.5	- -	- -	- -	- -	0.137 62
425822	CFM.60-SL-CH-6	2.36 60	2.76 70	1.34 34	1.57 40	0.57 14.5	0.31 8	0.3 7.5	1.02 26	0.31 8	- -	- -	- -	- -	- -	0.16 4	0.26 6.5	0.41 10.5	0.134 61

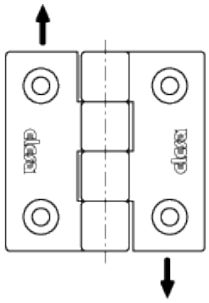
american unit
metric unit

Elesa Standards		Main dimensions									Fitting			Weight
Code	Description	L	B	$f_{\pm.0098}$	$f_{1\ \pm.0098}$	H	h_1	h_2	b_1	d	d_3	d_4	C [ft·lbf] [Nm] #	lbs g
425541	CFM.40 SH-5-CLEAN	1.57 40	1.57 40	0.98 25	0.98 25	0.35 9	0.22 5.5	0.2 5	0.55 14	0.16 4	0.22 5.5	0.41 10.5	2 3	0.031 14
425641	CFM.50 SH-6-CLEAN	1.97 50	1.97 50	1.18 30	1.18 30	0.45 11.5	0.26 6.5	0.24 6	0.71 18	0.24 6	0.26 6.5	0.49 12.5	4 5	0.066 30
425741	CFM.60 SH-8-CLEAN	2.36 60	2.36 60	1.42 36	1.42 36	0.59 15	0.33 8.5	0.31 8	0.83 21	0.31 8	0.33 8.5	0.65 16.5	4 5	0.126 57

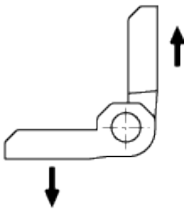
Suggested tightening torque for assembly screws.



Radial strength



Axial strength



90° angled strength

american unit
metric unit

Elesa Standards	AXIAL STRENGTH	RADIAL STRENGTH	90° ANGLED STRENGTH	Maximum tightening torque [ft·lbf] [Nm]	
Description	Maximum working load Ea [lbf] [N]	Maximum working load Er [lbf] [N]	Maximum working load E90 [lbf] [N]	SH/CH	p
CFM.40 p-M5x12	448 2000	426 1900	224 1000	- -	4 5
CFM.40 SH-5	426 1900	426 1900	287 1280	2 3	- -
CFM.40 CH-5	426 1900	358 1600	224 1000	4 5	- -
CFM.40 p-M5x12-SH-5	426 1900	426 1900	224 1000	2 3	4 5
CFM.40 p-M5x12-CH-5	426 1900	358 1600	224 1000	4 5	4 5
CFM.50 p-M6x12	524 2340	573 2560	470 2100	- -	4 5
CFM.50 SH-6	589 2630	538 2400	385 1720	4 5	- -
CFM.50 CH-6	641 2860	540 2410	305 1360	4 5	- -
CFM.50 p-M6x12-SH-6	524 2340	538 2400	385 1720	4 5	4 5
CFM.50 p-M6x12-CH-6	524 2340	540 2410	305 1360	4 5	4 5
CFM.60 p-M8x14.5	672 3000	883 3940	477 2130	- -	4 5
CFM.60 SH-8	744 3320	663 2960	688 3070	4 5	- -
CFM.60 CH-8	771 3440	629 2810	486 2170	4 5	- -
CFM.60 p-M8x14.5-SH-8	672 3000	663 2960	477 2130	4 5	4 5
CFM.60 p-M8x14.5-CH-8	672 3000	629 2810	477 2130	4 5	4 5
CFM.60-45-SH-6	654 2920	674 3010	293 1310	4 5	- -
CFM.60-SL-CH-6	215 960	269 1200	305 1360	3 4	- -

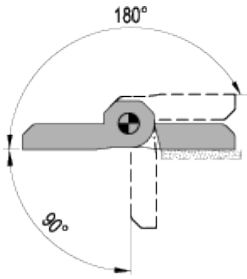
Material
Glass-fibre reinforced polyamide based (PA) SUPER-technopolymer. Resistant to solvents, oils, greases and other chemical agents.

Colour
- CFM: black, matte finish.
- CFM-CLEAN: white similar to RAL 9002, matte finish.

Rotation pin
AISI 303 stainless steel.

Standard executions
- CFM-p: nickel-plated steel threaded studs.
- CFM-SH: pass-through holes with housing for countersunk head screws.
- CFM-CH: pass-through holes with housing for cylindrical head screws with UNI 6592 washer.
- CFM-p-SH: nickel-plated steel threaded studs and pass-through holes with housing for countersunk head screws.
- CFM-p-CH: nickel-plated steel threaded studs and pass-through holes with housing for cylindrical head screws with UNI 6592 washer.
- CFM.60-SL-CH: slots with pass-through hole suggested with housing for shorted cylindrical head screws UNI 9327 which allow adjustment during clamping.

Rotation angle
Max 270°, between 0° and -90° and between 0° and 180°
(0° = condition where the two interconnected surfaces are on the same plane).
Do not exceed the rotation angle limit (see drawing) so as not to prejudice the hinge mechanical performance.



To choose the convenient type and the right number of hinges for your application, see the Guidelines.

Application example