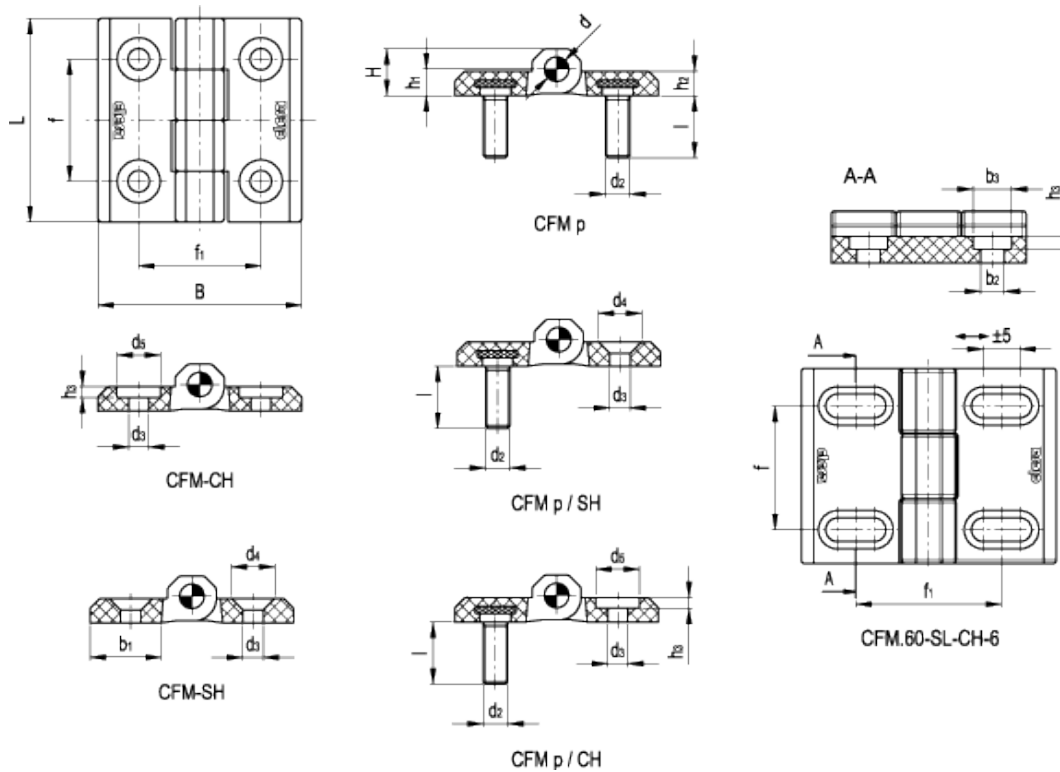


# CFM.

Hinges



CLEAN



## technical informations

### 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

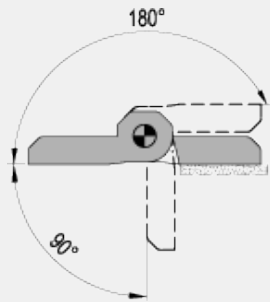
- CFM-p: nickel-plated steel threaded studs.
- CFM-SH: pass-through holes with housing for countersunk head screws.
- CFM-CH: pass-through holes with housing for cylindrical head screws with UNI 6592 washer.
- CFM-p-SH: nickel-plated steel threaded studs and pass-through holes with housing for countersunk 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°

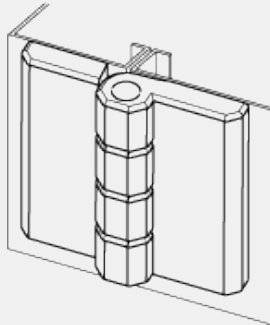
(0° = condition where the two interconnected surfaces are on the same plane).

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](#).

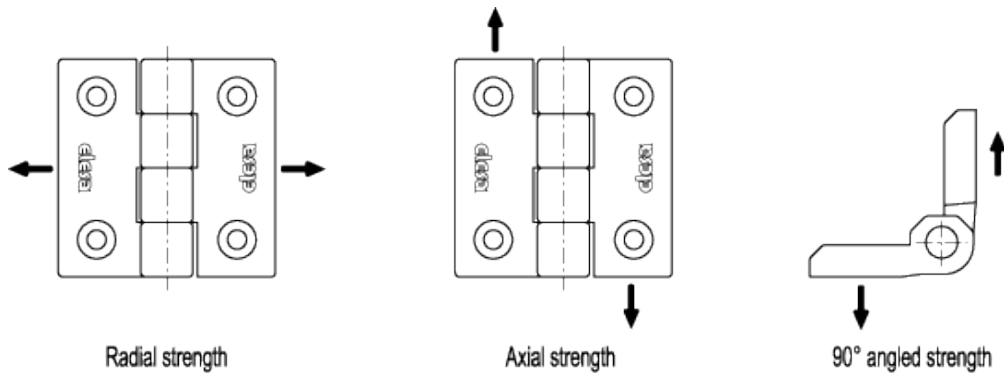
### Application example



Standard Elements		Main dimensions										Fitting						Weight	
												Studs		Through holes					
Code	Description	L	B	$f_{\pm 0.25}$	$f_{1 \pm 0.25}$	H	$h_1$	$h_2$	$b_1$	d	$d_2$	l	$d_3$	$d_4$	$d_5$	$h_3$	$b_2$	$b_3$	g
425521	CFM.40 p-M5x12	40	40	25	25	9	5.5	5	14	4	M5	12	-	-	-	-	-	-	26
425511	CFM.40 SH-5	40	40	25	25	9	5.5	5	14	4	-	-	5.5	10.5	-	-	-	-	14
425512	CFM.40 CH-5	40	40	25	25	9	5.5	5	14	4	-	-	5.5	-	10.5	1.7	-	-	14
425531	CFM.40 p-M5x12-SH-5	40	40	25	25	9	5.5	5	14	4	M5	12	5.5	10.5	-	-	-	-	20
425532	CFM.40 p-M5x12-CH-5	40	40	25	25	9	5.5	5	14	4	M5	12	5.5	-	10.5	1.7	-	-	20
425621	CFM.50 p-M6x12	50	50	30	30	11.5	6.5	6	18	6	M6	12	-	-	-	-	-	-	50
425611	CFM.50 SH-6	50	50	30	30	11.5	6.5	6	18	6	-	-	6.5	12.5	-	-	-	-	30
425612	CFM.50 CH-6	50	50	30	30	11.5	6.5	6	18	6	-	-	6.5	-	12.5	3	-	-	30
425631	CFM.50 p-M6x12-SH-6	50	50	30	30	11.5	6.5	6	18	6	M6	12	6.5	12.5	-	-	-	-	40
425632	CFM.50 p-M6x12-CH-6	50	50	30	30	11.5	6.5	6	18	6	M6	12	6.5	-	12.5	3	-	-	40
425721	CFM.60 p-M8x14.5	60	60	36	36	15	8.5	8	21	8	M8	14.5	-	-	-	-	-	-	101
425711	CFM.60 SH-8	60	60	36	36	15	8.5	8	21	8	-	-	8.5	16.5	-	-	-	-	57
425712	CFM.60 CH-8	60	60	36	36	15	8.5	8	21	8	-	-	8.5	-	16.5	4	-	-	57
425731	CFM.60 p-M8x14.5-SH-8	60	60	36	36	15	8.5	8	21	8	M8	14.5	8.5	16.5	-	-	-	-	79
425732	CFM.60 p-M8x14.5-CH-8	60	60	36	36	15	8.5	8	21	8	M8	14.5	8.5	-	16.5	4	-	-	79
425812	CFM.60-45-SH-6	60	70	34	45	14.5	8	7.5	26	8	-	-	6.5	12.5	-	-	-	-	62
425822	CFM.60-SL-CH-6	60	70	34	40	14.5	8	7.5	26	8	-	-	-	-	-	4	6.5	10.5	61

Elesa Standards		Main dimensions										Fitting			Weight
Code	Description	L	B	$f_{\pm 0.25}$	$f_{1 \pm 0.25}$	H	$h_1$	$h_2$	$b_1$	d	$d_3$	$d_4$	C [Nm] #	g	
425541	CFM.40 SH-5-CLEAN	40	40	25	25	9	5.5	5	14	4	5.5	10.5	3	14	
425641	CFM.50 SH-6-CLEAN	50	50	30	30	11.5	6.5	6	18	6	6.5	12.5	5	30	
425741	CFM.60 SH-8-CLEAN	60	60	36	36	15	8.5	8	21	8	8.5	16.5	5	57	

# Suggested tightening torque for assembly screws.



Standard Elements		AXIAL STRENGTH	RADIAL STRENGTH	90° ANGLED STRENGTH	Maximum tightening torque [Nm]	
Code	Description	Max static load Sa [N]	Max static load Sr [N]	Max static load S90 [N]	SH/CH	p
425521	CFM.40 p-M5x12	2000	1900	1000	-	5
425511	CFM.40 SH-5	1900	1900	1280	3	-
425512	CFM.40 CH-5	1900	1600	1000	5	-
425531	CFM.40 p-M5x12-SH-5	1900	1900	1000	3	5
425532	CFM.40 p-M5x12-CH-5	1900	1600	1000	5	5
425621	CFM.50 p-M6x12	2340	2560	2100	-	5
425611	CFM.50 SH-6	2630	2400	1720	5	-
425612	CFM.50 CH-6	2860	2410	1360	5	-
425631	CFM.50 p-M6x12-SH-6	2340	2400	1720	5	5
425632	CFM.50 p-M6x12-CH-6	2340	2410	1360	5	5
425721	CFM.60 p-M8x14.5	3000	3940	2130	-	5
425711	CFM.60 SH-8	3320	2960	3070	5	-
425712	CFM.60 CH-8	3440	2810	2170	5	-
425731	CFM.60 p-M8x14.5-SH-8	3000	2960	2130	5	5
425732	CFM.60 p-M8x14.5-CH-8	3000	2810	2130	5	5
425812	CFM.60-45-SH-6	2920	3010	1310	5	-
425822	CFM.60-SL-CH-6	960	1200	1360	4	-



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