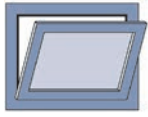




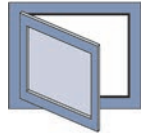
CRANKED TURN-AND-TILT HARDWARE GEZE F 1200
EASE OF USE FOR LARGE AND HEAVY WINDOWS

CRANKED TURN-AND-TILT HARDWARE GEZE F 1200

Cranked turn-and-tilt hardware GEZE F 1200



**Bottom-hung casement
inward-opening**



**Side-hung casement
inward-opening**

Operating comfort for heavy and large windows

With the F 1200, GEZE, as a leading manufacturer for decades, offers cranked turn-and-tilt hardware for large scale and heavy windows. The F 1200 meets specific requirements on robustness and stability and satisfies the needs of upscale living comfort – including, for example, thermal isolation and resistance against pelting rain, burglar resistance and, of course, operation suitable for handicapped people. The F 1200 is used in many places – for example in administration buildings, in security-relevant buildings and commercial properties, in hospitals, schools and universities as well as in homes for handicapped people and in comfortable residential buildings.



Europa Center, Berlin, Germany

PRODUCT FEATURES

- Ventilation with variable adjustment – from a small gap to full tilt opening
- High loading capacity
- Functional reliability through cranking mechanism with control indicator, independent of casement weight
- Additional mal-operation block and overload friction coupling
- Secure locking by any number of locking studs on all four sides, their closing pressure can be adjusted
- All fitting components are mounted on the inside of the frame, leaving sufficient room for the insulation zone
- Modern assembly technology

Extensive clampable fitting components – comparable to solo tilt-and-turn fittings

CRANKED TURN-AND-TILT HARDWARE GEZE F 1200

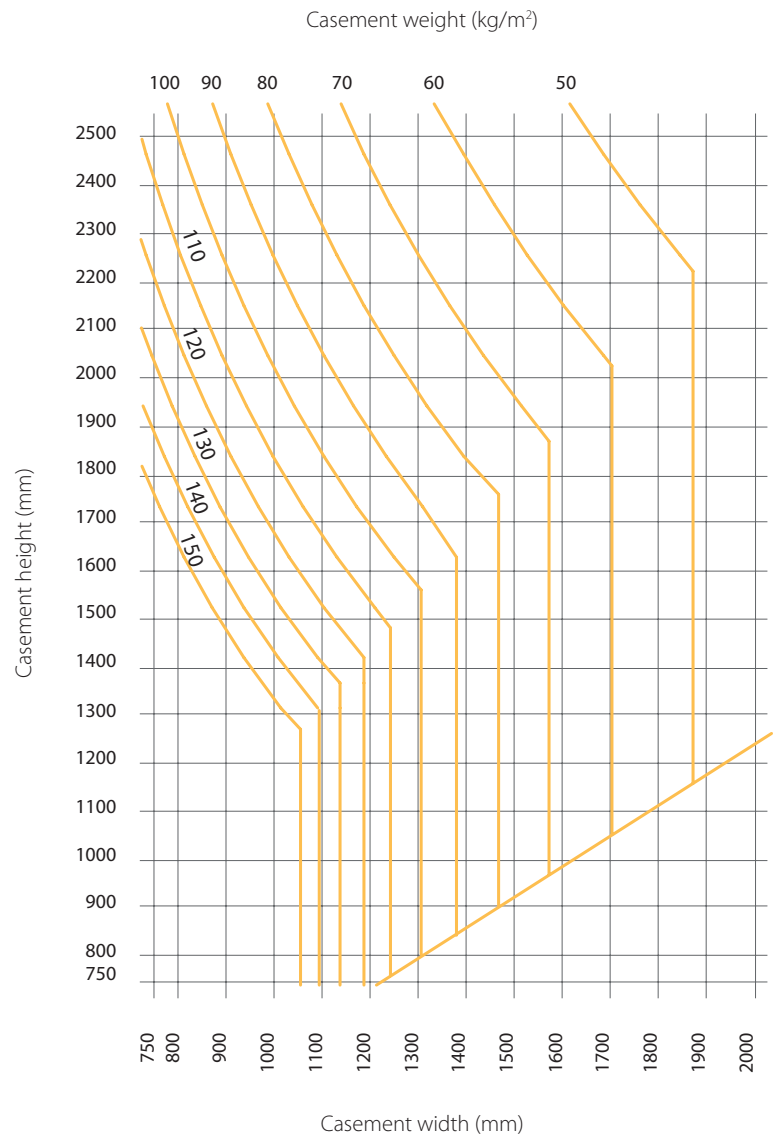
GEZE F 1200

All visible parts such as hinges, bearings and gear cover are made of aluminium. All other parts stainless or rust-proof. Surface: silver

- All fitting components – except gears and bearings – are clampable
- The fitting system requires a special framing profile, which can be adapted to the existing cover frames of the different profile series.

EXAMPLES OF RANGES OF APPLICATION**Range of application for aluminium windows**

Casement width	min. 750 mm max. 2000 mm
Casement height	min. 750 mm max. 2500 mm depends on casement weight (glass thickness)
Casement weight	up to 200 kg
Tilt-opening width	max. 180 mm

Installation situation: casement in tilted position**Application diagram****Installation situation: casement in turning position**

CRANKED TURN-AND-TILT HARDWARE GEZE F 1200

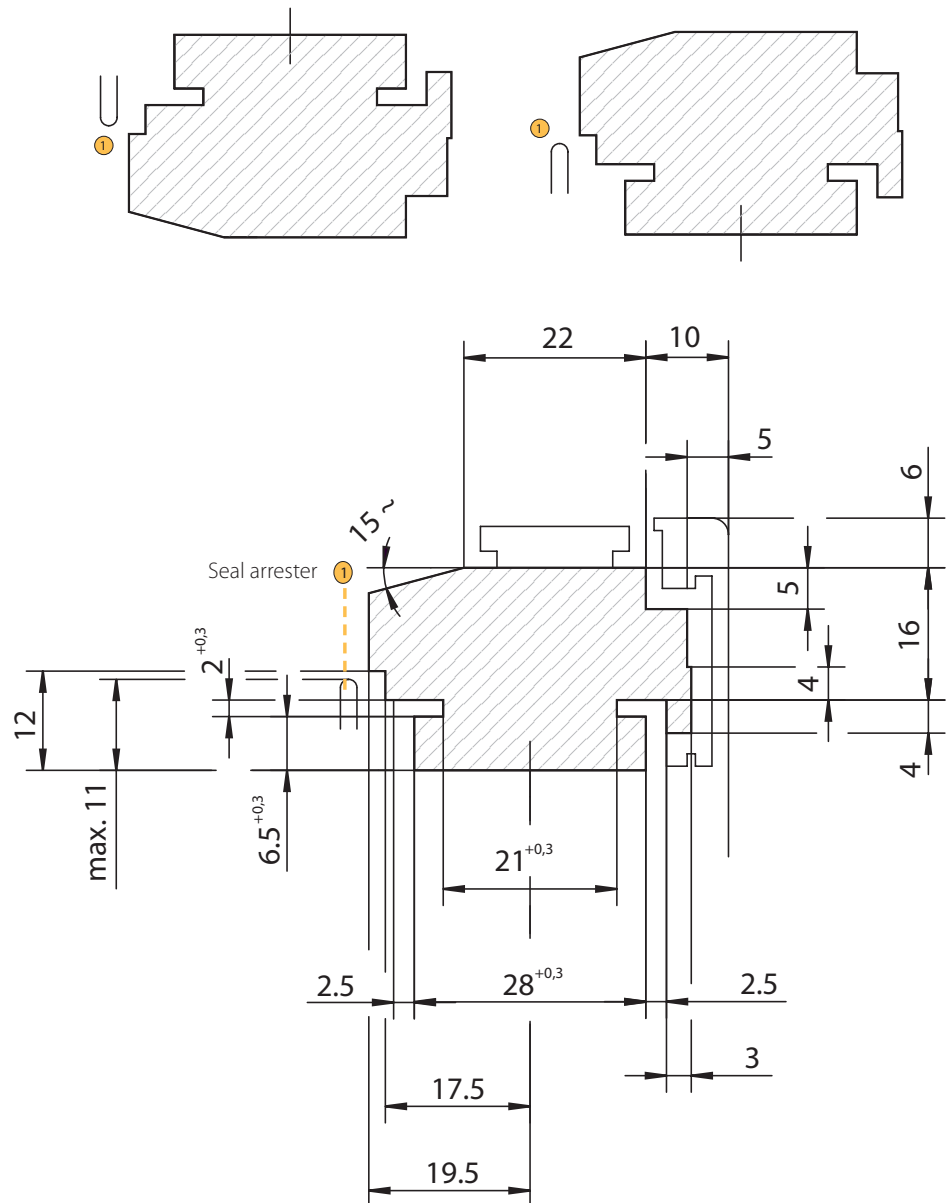
TECHNICAL DATA

- The F 1200 is operated via a crank gear which is mounted vertically or horizontally on the casement profile and equipped with an overload protection (safety clutch).
- The respective functional position is displayed on a vision panel.
- Via the fold-out crank the casement is either released into the turning position or moved into the tilted position.
- It is possible to adjust every required tilted position.
- The fitting system locks by default in all four corners.
- In addition, depending on the size of the window, almost any number of locking devices can be mounted horizontally or vertically.
- The closing pressure of all locking studs can be adjusted.
- Short installation and processing times are achieved by using mainly clampable and ready-for-assembly fitting units.

INSTALLATION DRAWINGS

Drawing No. 50712-0-001-1 and 50712-0-001-2

Fitting housing for aluminium profile



CRANKED TURN-AND-TILT HARDWARE GEZE F 1200

Accessories for cranked turn-and-tilt hardware GEZE F 1200



Cross scissor

Cross scissor

The most important functions have been integrated in the cross scissor

- Tilted position can be continuously adjusted, moves smoothly, independent of casement weight
- Secure fixture of window in turning position
- Even if improperly operated, casement does not sag



Crank gear with fold-out crank

Crank gear with fold-out crank

- At the same time, handle for turning position
- Can be mounted variably, either vertical or horizontal
- Easy to use
- Friction coupling to prevent overload
- Display of the respective functional position of the window



Gear with cylinder lock

Gear with lockable turning position via cylinder lock

- Safety equipment
- Special authorisation for turning positions



Gear for detachable crank

Gear for detachable crank

- Safety equipment
- Window operation only possible for authorised persons



Corner transmission

Corner transmission

- Stable spring hinge corner transmission for high functional reliability and power transmission free of clearance



Locking devices

Locking devices

- All-round application
- All locking devices with adjustable pressure (vertical and horizontal central locking device)
- The latch cams are secured with an octagonal wrench against unintentional turning out of position

Accessories for cranked turn-and-tilt hardware GEZE F 1200



Secondary scissor

Secondary scissor

- For casement widths from 1400 mm
- Operates during the tilting motion synchronously with the scissor opening and gives wider casements more stability



Opening restrictor

Opening restrictor

- Available in several sizes
- For variable limitation of the opening position of the side-hung casement



Mal-operation block

Mal-operation block

- Prevents incorrect operation of the mechanism



Latch lock

Burglar resistance

The following accessories can be used for safeguarding side-hung windows against forced entry:

- Latch lock
- Hooked locking device



Hooked locking device

CRANKED TURN-AND-TILT HARDWARE GEZE F 1200

ORDER INFORMATION – CRANKED TURN-AND-TILT HARDWARE GEZE F 1200

Description	Finish		ID No.
Basic fittings F 1200 without drive gear, for vertical mounting of the drive	anodised aluminium ¹⁾	left	062910
		right	062908
Gear F 1200 with crank	anodised aluminium ¹⁾	left	063228
		right	063226
Gear F 1200 lockable, with crank	anodised aluminium ¹⁾	left	063232
		right	063230
Gear F 1200 for removable crank (without crank)	anodised aluminium ¹⁾	left	063377
		right	063375
Removable crank for gear F 1200			063332
Secondary scissor mechanism F 1200		left	062914
		right	062913
Corner transmission F 1200 with accessories for horizontal mounting of the gear ²⁾			063211
Centre locking F 1200 vertical or horizontal			062912
Opening restrictor F 1200 ³⁾	not damped	size 0	066035
		size 1	066036
		size 2	066037
Burglar resistance F 1200	Height locking device		000330
	Latch lock for overlap from 10 to 11 mm	anodised aluminium ¹⁾	synchronised closing
	Drilling template, 5-fold		063418

1) Customer specified colours are available on request.

2) If horizontal centre locking is used, no corner transmission with accessory parts is required in the case of horizontal gear mounting!

3) The size depends on the casement width.

GEZE GmbH
P.O. Box 1363
71226 Leonberg
Germany

GEZE GmbH
Reinhold-Vöster-Straße 21-29
71229 Leonberg
Germany
Telefon +49 7152 203 0
Telefax +49 7152 203 310
www.geze.com

Germany
 GEZE GmbH
 Niederlassung Süd-West
 Breitwiesenstraße 8
 71229 Leonberg
 Tel. +49 7152 203 594
 Fax +49 7152 203 438
 leonberg.de@geze.com

GEZE GmbH
 Niederlassung Süd-Ost
 Parking 17
 85748 Garching bei München
 Tel. +49 7152 203 6440
 Fax +49 7152 203 77050
 muenchen.de@geze.com

GEZE GmbH
 Niederlassung Ost
 Albert-Einstein-Ring 5
 14532 Kleinmachnow bei Berlin
 Tel. +49 7152 203 6840
 Fax +49 7152 203 76849
 berlin.de@geze.com

GEZE GmbH
 Niederlassung Mitte/Luxemburg
 Adenauerallee 2
 61440 Oberursel (b. Frankfurt)
 Tel. +49 7152 203 6888
 Fax +49 7152 203 6891
 frankfurt.de@geze.com

GEZE GmbH
 Niederlassung West
 Heltorfer Straße 12
 40472 Düsseldorf
 Tel. +49 7152 203 6770
 Fax +49 7152 203 76770
 duesseldorf.de@geze.com

GEZE GmbH
 Niederlassung Nord
 Haus 11, 1. OG - Theodorstr. 42-90
 22761 Hamburg-Bahrenfeld
 Tel. +49 7152 203 6600
 Fax +49 7152 203 76608
 hamburg.de@geze.com

GEZE Service GmbH
 Niederlassung Süd-West
 Reinhold-Vöster-Straße 25
 71229 Leonberg
 Tel. +49 1802 923392
 Fax +49 7152 9233 359
 service-leonberg.de@geze.com

GEZE Service GmbH
 Niederlassung Süd
 Parking 17
 85748 Garching bei München
 Tel. +49 1802 923392
 Fax +49 7152 9233 859
 service-muenchen.de@geze.com

GEZE Service GmbH
 Niederlassung Mitte
 Oberurseler Str. 69
 61440 Oberursel
 Tel. +49 1802 923392
 Fax +49 7152 9233 659
 service-oberursel.de@geze.com

GEZE Service GmbH
 Niederlassung West
 Heltorfer Straße 12
 40472 Düsseldorf
 Tel. +49 1802 923392
 Fax +49 7152 9233 559
 service-duesseldorf.de@geze.com

GEZE Service GmbH
 Niederlassung Ost
 Albert-Einstein-Ring 5
 14532 Kleinmachnow bei Berlin
 Tel. +49 1802 923392
 Fax +49 7152 9233 759
 service-berlin.de@geze.com

GEZE Service GmbH
 Niederlassung Nord
 Theodorstr. 42-90, Haus 11
 22761 Hamburg
 Tel. +49 1802 923392
 Fax +49 7152 9233 459
 service-hamburg.de@geze.com

Austria
 GEZE Austria
 Wiener Bundesstrasse 85
 A-5300 Hallwang
 Tel: +43 6225 87180
 Fax: +43 6225 87180 299
 austria.at@geze.com

**Baltic States –
 Lithuania / Latvia / Estonia**
 Tel. +371 678960 35
 baltic-states@geze.com

Benelux
 GEZE Benelux B.V.
 Industrieterrein Kapelbeemd
 Steenoven 36
 5626 DK Eindhoven
 Tel. +31 4026290 80
 Fax +31 4026290 85
 benelux.nl@geze.com

Bulgaria
 GEZE Bulgaria - Trade
 Representative Office
 Nickolay Haitov 34 str., fl. 1
 1172 Sofia
 Tel. +359 247043 73
 Fax +359 247062 62
 office-bulgaria@geze.com

China
 GEZE Industries (Tianjin) Co., Ltd.
 Shuangchenzhong Road
 Beichen Economic Development
 Area (BEDA)
 Tianjin 300400, P.R. China
 Tel. +86 22 26973995
 Fax +86 22 26972702
 chinasales@geze.com.cn

GEZE Industries (Tianjin) Co., Ltd.
 Branch Office Shanghai
 Jia Little Exhibition Center
 Room C 2-102
 Shenzhuan Rd. 6000
 201619 Shanghai, P.R. China
 Tel. +86 21 52340960
 Fax +86 21 64472007
 chinasales@geze.com.cn

GEZE Industries (Tianjin) Co., Ltd.
 Branch Office Guangzhou
 Room 17 C 3
 Everbright Bank Building, No.689
 Tian He Bei Road
 510630 Guangzhou, P.R. China
 Tel. +86 20 38731842
 Fax +86 20 38731834
 chinasales@geze.com.cn

GEZE Industries (Tianjin) Co., Ltd
 Branch Office Beijing
 Room 04-05, 7th Floor
 Red Sandalwood Plaza
 No. 27 Jianguo Road
 Chaoyang District
 100024 Beijing, P.R.China
 Tel. +86 10 85756009
 Fax +86 10 85758079
 chinasales@geze.com.cn

France
 GEZE France S.A.R.L.
 ZAC de l'Orme Rond
 RN 19
 77170 Servon
 Tel. +33 1 606260 70
 Fax +33 1 606260 71
 france.fr@geze.com

Hungary
 GEZE Hungary Kft.
 Hungary-2051 Biatorbágy
 Vendel Park
 Huber u. 1.
 Tel. +36 23532 735
 Fax +36 23532 738
 office-hungary@geze.com

Iberia
 GEZE Iberia S.R.L.
 C/ Andorra 24
 08830 Sant Boi de Llobregat
 (Barcelona)
 Tel. +34 902194 036
 Fax +34 902194 035
 info@geze.es

India
 GEZE India Private Ltd.
 MF 2 & 3, Guindy Industrial Estate
 Ekkattuthangal
 Chennai 600 097
 Tamilnadu
 Tel. +91 44 406169 00
 Fax +91 44 406169 01
 office-india@geze.com

Italy
 GEZE Italia S.r.l
 Sede di Vimercate
 Via Fiorbellina 20
 20871 Vimercate (MB)
 Tel. +39 0399530401
 Fax+39 039 9530459/419
 italia.it@geze.com

Sede di Roma
 Via Lucrezia Romana, 91
 00178 Roma
 Tel. +39 06 726531 1
 Fax +39 06 726531 36
 roma@geze.biz

Poland
 GEZE Polska Sp.z o.o.
 ul. Marywilska 24
 03-228 Warszawa
 Tel. +48 224 404 440
 Fax +48 224 404 400
 geze.pl@geze.com

Romania
 GEZE Romania S.R.L.
 IRIDE Business Park,
 Str. Dimitrie Pompeiu nr. 9-9a,
 Building 10, Level 2, Sector 2,
 020335 Bucharest
 Tel.: +40 212507 750
 Fax: +40 316201 258
 office-romania@geze.com

Russia
 OOO GEZE RUS
 Gamsonovskiy Per. 2
 115191 Moscow
 Tel. +7 495 93306 59
 Fax +7 495 93306 74
 office-russia@geze.com

Scandinavia – Sweden
 GEZE Scandinavia AB
 Mallslingan 10
 Box 7060
 18711 Täby, Sweden
 Tel. +46 87323 400
 Fax +46 87323 499
 sverige.se@geze.com

Scandinavia – Norway
 GEZE Scandinavia AB avd. Norge
 Industriveien 34 B
 2073 Dal
 Tel. +47 63957 200
 Fax +47 63957 173
 norge.se@geze.com

Scandinavia – Denmark
 GEZE Danmark
 Branch office of GEZE Scandinavia AB
 Mårkærvej 13 J-K
 2630 Taastrup
 Tel. +45 463233 24
 Fax +45 463233 26
 danmark.se@geze.com

Singapore
 GEZE (Asia Pacific) Pte. Ltd.
 21 Bukit Batok Crescent
 #23-75 Wcga Tower
 Singapore 658065
 Tel: +65 6846 1338
 Fax: +65 6846 9353
 gezesea@geze.com.sg

South Africa
 Geze South Africa (Pty) Ltd.
 GEZE, Building 3, 1019 Morkels Close
 Midrand 1685
 Tel: +87 94337 88
 Fax: +86 66137 52
 info@gezesa.co.za

Switzerland
 GEZE Schweiz AG
 Zelglimatte 1A
 6260 Reiden
 Tel. +41 62 28554 00
 Fax +41 62 28554 01
 schweiz.ch@geze.com

Turkey
 GEZE Kapı ve Pencere Sistemleri
 San. ve Tic. Ltd. Sti.
 İstanbul Anadolu Yakası Organize
 Sanayi Bölgesi
 Gazi Bulvarı Caddesi 8.Sokak No:8
 Tuzla-İstanbul
 Tel. +90 216 45543 15
 Fax +90 216 45582 15
 office-turkey@geze.com

Ukraine
 LLC GEZE Ukraine
 ul. Viskoznaya, 17,
 Building 93-B, Office 12
 02660 Kiev
 Tel./Fax +38 445012225
 office-ukraine@geze.com

United Arab Emirates/GCC
 GEZE Middle East
 P.O. Box 17903
 Jebel Ali Free Zone
 Dubai
 Tel. +971 48833 112
 Fax +971 48833 240
 gezeme@geze.com

United Kingdom
 GEZE UK Ltd.
 Blenheim Way
 Fradley Park
 Lichfield
 Staffordshire WS13 8SY
 Tel. +44 15434430 00
 Fax +44 15434430 01
 info.uk@geze.com

GEZE REPRESENTATIVE