

FSB Window handles for narrow profiles



Getting the fine detail right: the mismatch between normal window handles and narrow profiles is a visual nuisance for all who lay store by coherency of detail. Help is now, however, at hand in the form of a new window handle with greatly slimmed-down rose dimensions. The rose no longer extends over the glazing fillet, thus blending in perfectly with the window's restrained overall appearance.

FSB's newly conceived ball-catch mechanism – a particularly rugged fusion of components in hardened and tempered steel, high-grade steel and glass fibre-reinforced plastic – is further enhanced by its compact design and ideal mode of assembly. The new system is operated in the same way as FSB's long-standing ball-catch mechanism for roses (dimensions: W 32.5 × H 70 × D 14 mm), employing both tactile and audible means to aid dependably correct operation of the window to ergonomic effect. Key to this is the way the handle can be felt and heard clicking into position at 90° intervals when the window is opened, closed or tilted. FSB's fine new hardware is engineered to deliver 25,000 operations / 150,000 click-stop events (180° turn-and-tilt cycles), earning it the highest quality rating for operating endurance of 5/180 under EN 13 126-3.

The RAL Quality Assurance Association has re-aligned its requirements with the criteria set forth in DIN EN 13 126-3, meaning that hardware merely now needs to endure 10,000 tilt-turn cycles in 180° mode to qualify for the RAL quality kite-mark. EN 13 126-3 defines requirements for window handles that serve to ensure unchanging quality and fitness for function over a great many years.

Engineered to sustainably deliver continuous use, the mechanism comprises steel ball bearings and attendant steel springs housed in recesses in the rose assembly. Bearings and springs are arranged in double formation around a high-grade steel disc that has four recesses for this purpose and is rigidly attached to a dedicated adaptor. The resultant inseparable but freely turning click-stop mechanism ensures each act of repositioning the window handle can be felt and heard. The actual window handle is fitted to the front of the adaptor. Running axially along the inside of the latter, meanwhile, is a square-sectioned spindle that can be variably positioned to facilitate flexible spindle projections. A cup point screw is used to secure the window handle to its spindle once the rose assembly has been fitted.

A ready rundown of the merits of FSB's new window handles for narrow profiles can be downloaded along with the attendant price-list from

www.fsb.de/windowhandle

Product codes for FSB window handles for narrow profiles

34 09030 (oval rose) and, respectively, 34 09032 (angular rose) heavy-duty window handle, rose surface-mounted to profile, with ball-catch mechanism, 5/180 operating endurance rating under DIN EN 13 126-3
 – concealed fixing
 – centres 43 mm
 – lug Ø 10 mm
 – rose format 27 × 62 × 10 mm (W × H × D)
 – 7 mm □ spindle, spindle length variable between 24–38 mm (standard version supplied)
 – optionally with lug Ø 12 mm

34 09034 (oval rose) and, respectively, 34 09036 (angular rose) heavy-duty window handle, rose flush with profile, with ball-catch mechanism, 5/180 operating endurance rating under DIN EN 13 126-3
 – concealed fixing
 – c:c distance 43 mm
 – rose format 25,5 × 60,5 × 10.2 mm (W × H × D)
 – 7 mm □ spindle, please advise spindle projection desired when ordering

It needs to be ensured with regard to the variable spindle projection of 24–38 mm that the length of spindle accommodated within the adaptor is at least 25 mm.

Window handles supplied without screws. They should be fastened using M5 countersunk screws. Please note in this respect that shortening or tampering with the square spindle – especially where this adversely affects the notch on the spindle

(stop point for both the window drive and the adaptor) – renders all liability under warranties void!

Lockable window handles

FSB's proven lock adaptors are ideal aids to implementing secure solutions on burglar-resistant windows in the form of lockable window handles – operated either with keys or very practically by push-button.

The lock adaptor facilitates fitting any of the FSB window handle designs shown in the Chart to burglar-resistant windows. In this way, the formal and material properties of the handle you opt feed through into the fine detail of its functioning! It goes without saying that these solutions, too, are tested and monitored in conformity with the RAL quality standard RAL-GZ 607/9 and DIN EN 13 126-3 as well as being wholly suitable for burglar-resistant windows from Resistance Classes RC 1 to RC 6 as defined in standards DIN EN 1627 to 1630.



Classification key according to DIN EN 13 126-3

For window handles with click-stop mechanism


2	5/180	-	0	1	3*	0/0	3/C1	-
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* Finishes brass, bronze, class 0


Testing and certification will follow in the 2nd quarter of 2016. Certificates are set to become available in the 3rd quarter of 2016.

Window handles for narrow profiles

Overview

34 1001 




34 1003 



34 1004 




34 1005 




34 1015 



34 1023 



34 1035 




34 1070 



34 1075 




34 1076 




34 1077 



34 1078 



34 1093 



34 1102 



34 1106 



34 1107 



34 1108 



34 1144 




34 1146 



34 1147 



34 1159 



34 1160 



34 1183 



34 1186 

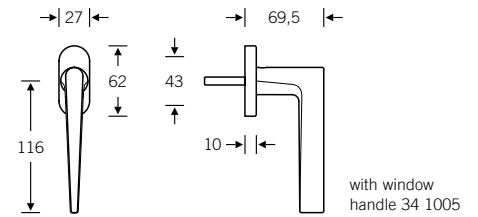


Window handles for narrow profiles, surface-mounted roses



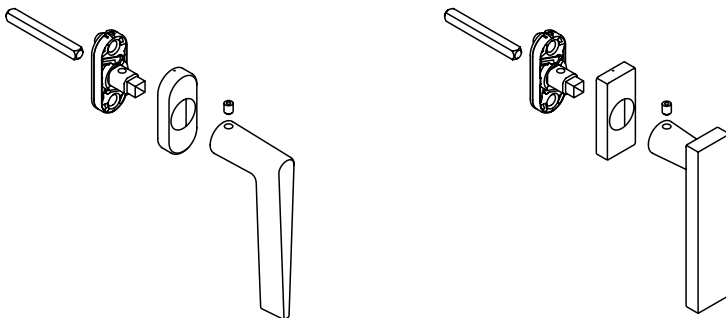
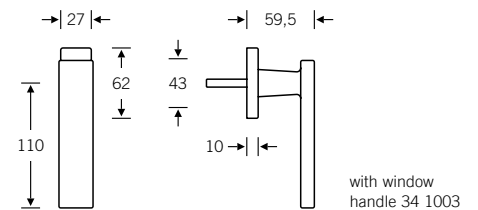
34 ... 09030

Window handle for narrow profiles,
oval rose surface-mounted



34 ... 09032

Window handle for narrow profiles,
angular rose surface-mounted



- concealed fixing
- centres 43 mm
- the cover rose clips into the baserose
- 7 mm □ spindle
- spindle projection variable between 24-38 mm

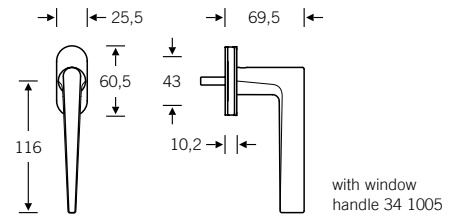
All window handles illustrated in the Chart can be supplied with narrow roses in the new version.

Window handles for narrow profiles, flush roses



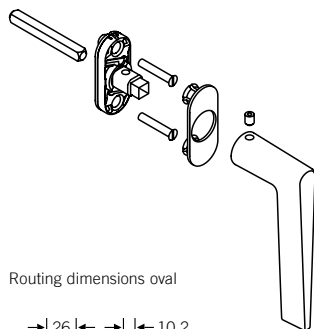
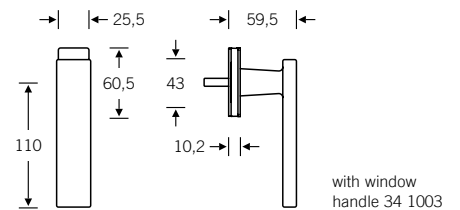
34 ... 09034

Window handle for narrow profiles,
oval rose flush

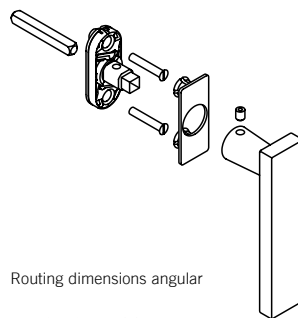
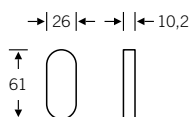


34 ... 09036

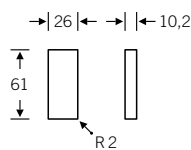
Window handle for narrow profiles,
angular rose flush



Routing dimensions oval



Routing dimensions angular



- concealed fixing
- centres 43 mm
- the cover rose clips into the recesses on the baserose
- rose height and routing depth 10.2 mm
- 7 mm □ spindle
- spindle projection variable to suit drive position and profile thickness

All window handles with oval and angular narrow roses illustrated in the Chart can also be supplied with the roses flush. Please note that a CNC machining centre is required for flush fitting such hardware.



Franz Schneider
Brakel GmbH + Co KG

Nieheimer Straße 38
33034 Brakel
Germany

Phone +49 5272 608-0
Fax +49 5272 608-300
www.fsb.de · info@fsb.de