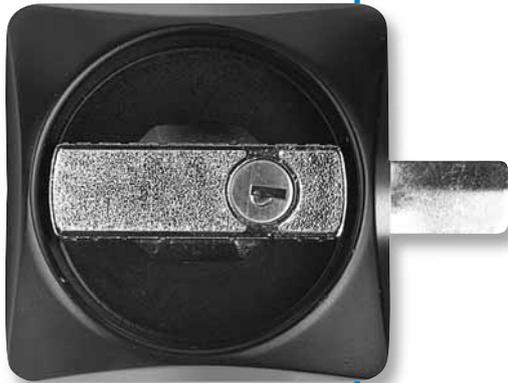

HANDLES

EXTERIOR
HANDLES,
PUSH-BUTTON,
RECESS, &
'FLUSH' DESIGNS



New, semi-flush
recess latch for
machinery enclosures



Above: 'Heavy-T' handle with
sliding 'weathershield' plate to
protect lock cylinder

This section illustrates a great variety of diecast outside handles, ranging from 'L' & 'T' models, through to push-button and 'flush' designs for vehicle applications. These can be 'customised' to provide exact finish and operational mode required. Some models are also available in stainless steel.

Special handles can be designed for particular applications, volume permitting, and can be matched with other items as a full vehicle lock-set.



Single-sided 'FS' keys are standard



9/00975
Small 'T' with 'easy-fix' mounting

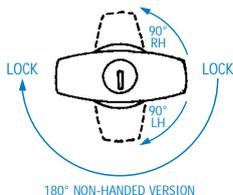
SMALL 'T' HANDLES WITH 'EASY-FIX' MOUNTING

Very neat useful handles with circular 'easy-fix' escutcheon that are mounted through a standard pierced aperture. Lock cylinders are "shuttered" for weather-resistance, and handle can be water-sealed. Non-locking models available.

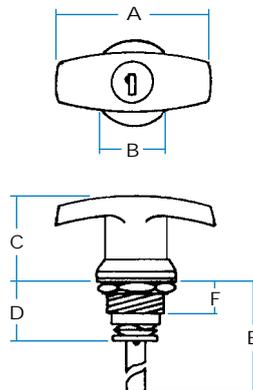
ORDERING CODE

9/00975	Small 'T', locking, chrome
9/00975/01	As above, FS 880 keys
9/00975B	Small 'T', locking, black
9/00975B/01	As above, FS 880
9/00976	Small 'T', non-locking, chrome
9/00976B	Small 'T', non-locking, black

SPECIFICATION



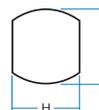
Handles operate through 180° as standard (non-handed), locking in two positions. To special order, rotation can be limited to 90° LH (clockwise) or 90° RH (anticlockwise), when handle will only lock in the rest position. Illustration shows handle with 'flats' vertical on escutcheon.



A	Handle length	65 mm
B	Face width	30 mm
C	Face height	30 mm
D	Body depth	26 mm
E	Total projection (shaft length)	63 mm
F	Depth of thread	15 mm

PANEL-PIERCING DETAIL

This larger aperture also suits our other 'easy-fix' handles, 'Turnbutton' and 'Compact' models.



H	Piercing across flats	22 mm
J	Piercing, diameter	24 mm

THREADED SHAFT & FITTED LATCH BAR

The 8 mm square steel shaft can be threaded M10 so that the form is retained, but allowing a latch bar to be fitted and secured using nut (MP00221) and locknut (MP00220) illustrated.



Small 'T' with adjustable latch bar



180° as standard, rotation can be limited to 90°, LH/RH when required.



Mount through panel piercing against 'flats' on escutcheon, and secure with large brass nut. Neoprene gasket and stainless spring spacing washer are provided.



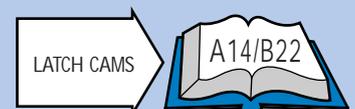
'FS' keys as standard with 'shuttered' keyway optionally 'FT' or 'DLP' key types.



Chromium plated or black powder coated



- Shaft lengths
- Threaded shafts (M10)
- Special key numbers/sets
- 90° LH/RH rotation





Single-sided 'FS' keys are standard

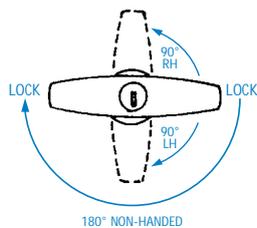
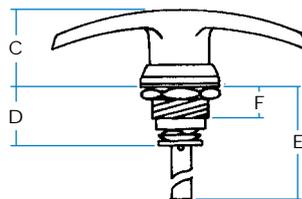
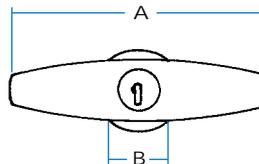


9/00990
Large 'T' with
'easy-fix' mounting

ORDERING CODE

9/00990	Large 'T', locking, chrome
9/00990/01	As above, FS 880 keys
9/00990B	Large 'T', locking, black
9/00990B/01	As above, FS 880
9/00991	Large 'T', non-locking, chrome
9/00991B	Large 'T', non-locking, black

SPECIFICATION

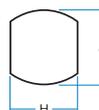


Handles operate through 180° as standard (non-handed), locking in two positions. To special order, rotation can be limited to 90° LH (clockwise) or 90° RH (anticlockwise), when handle will only lock in the rest position. Illustration shows handle with 'flats' vertical on escutcheon.

A Handle length	100 mm
B Face width	30 mm
C Face height	30 mm
D Body depth	26 mm
E Total projection (shaft length)	63 mm
F Depth of thread	15 mm

PANEL-PIERCING DETAIL

This larger aperture also suits our other 'easy-fix' handles, 'Turnbutton' and 'Compact' models.



H Piercing across flats	22 mm
J Piercing, diameter	24 mm

HANDLE WITH DIECAST CAM (LEFT)

Two sizes of diecast cam are available (32 & 63 mm), which can be adjusted on a (plain) 8 mm shaft, and secured with concealed screw.

Large 'T' with 63mm diecast cam, (9/00837)

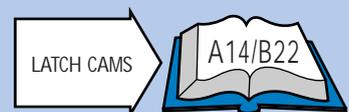


LARGE 'T' HANDLES WITH 'EASY-FIX' MOUNTING

More substantial handles with circular, 'easy-fix' escutcheon that are mounted through a standard pierced aperture.

Lock cylinders are "shuttered" for weather-resistance, and handle can be water-sealed. Non-locking models available.

-  180° as standard, rotation can be limited to 90°, LH/RH, when required.
-  Mount through panel piercing against 'flats' on escutcheon, and secure with large brass nut. Neoprene gasket and stainless spring spacing washer are provided.
-  'FS' keys as standard with 'shuttered' keyway optionally 'FT' or 'DLP' key types.
-  Chromium plated or black powder coated
- 
 - Shaft lengths
 - Threaded shafts (M10)
 - Special key numbers/sets
 - 90° LH/RH rotation



9/00186SS
Recess 'T' in special
stainless steel pan.
(Black is standard)



Single-sided 'FS'
keys are standard



RECESS 'T' HANDLES WITH 'EASY-FIX' MOUNTING

An extremely useful set that allows our large 'T' handle to be mounted so that the "arms" of the handle do not project above the surface of a panel. The steel recess pan is normally black powder-coated, with moulded gasket. Locking & non-locking models, supplied as boxed sets.



180° as standard, locking in two positions. Rotation can be limited to 90°, LH/RH, or 360° free-movement.



Fix pan in circular aperture, mount handle through centre piercing against 'flats' on escutcheon and secure with large brass nut. Neoprene gasket and stainless spring spacing washer are provided.



'FS' keys as standard with 'shuttered' keyway optionally 'FT' or 'DLP' key types.



Handles are bright chromium plated, with black powder-coated pan. Optionally, pan can be polished stainless steel (Grade 304).



- Shaft lengths
- Threaded shafts (M10)
- Special key numbers/sets
- 90° LH/RH rotation
- All-black handle/pan



Max recommended torque in pan, 16Nm (12lb.ft) - steel, 22Nm (16lb.ft) - stainless.

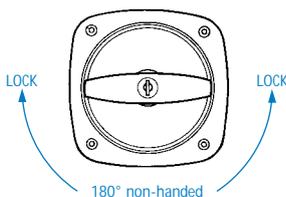
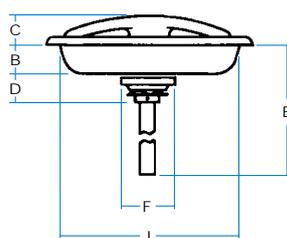
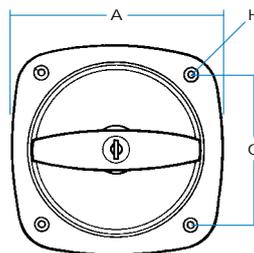


Our 'drop-T' models are an alternative, self-contained system for heavier duty applications.

ORDERING CODE

9/00184	Recess 'T' set, locking
9/00184SS	As above, stainless pan
9/00185	Recess 'T' set, non-locking
9/00185SS	As above, stainless pan
9/00186	Recess 'T' set, FS 880
9/00186SS	As above, stainless pan
9/00138	Recess pan only, black
5/00939	Moulded seal only, black

SPECIFICATION



Handles operate through 180° as standard (non-handed), locking in two positions. To special order, rotation can be limited to 90° LH (clockwise) or 90° RH (anticlockwise), when handle will only lock in the rest position. Illustration shows handle with 'flats' vertical on escutcheon.

A	Pan total width	125 mm
B	Pan depth	15 mm
C	Face height	15 mm
D	Depth of fixing	27 mm
E	Total projection (shaft length)	145mm
F	Fixing detail (dia)	32 mm
G	Hole centres	90 mm
H	Hole sizes (dia)	4.75 mm, c/s 9 mm
J	Pan external diameter	105 mm



Illustration shows recess pan with standard pierced aperture and vertical 'flats'.

MOULDED SEAL



The edge of the recess pan is embossed, to seat into corresponding groove in moulded seal.

DROP - T
LATCHES

C23



'FT' Keys
Optional



Single-sided 'FS'
keys are standard



9/00960
Lever 'L' with 'easy-
fix' mounting

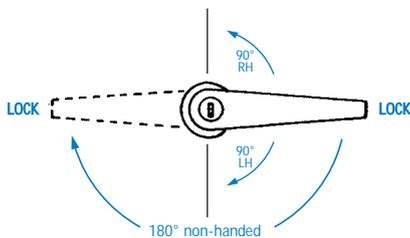
LEVER 'L' HANDLES WITH 'EASY-FIX' MOUNTING

Stylish and attractive handles with circular, 'easy-fix' escutcheon that are mounted through a standard pierced aperture. Lock cylinders are "shuttered" for weather-resistance, and handle can be water-sealed. Non-locking models available.

ORDERING CODE

9/00960	Lever 'L', locking, chrome
9/00960/01	As above, FS 880 keys
9/00960B	Lever 'L', locking, black
9/00960B/01	As above, FS 880
9/00961	Lever 'L', non-locking, chrome
9/00961B	As above, non-locking, black

SPECIFICATION

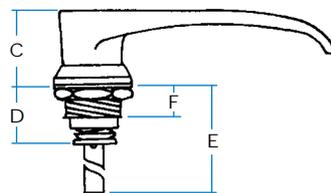
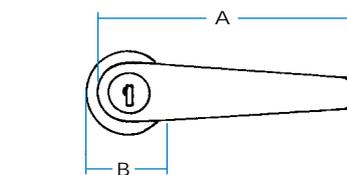


Handles operate through 180° as standard (non-handed), locking in two positions. To special order, rotation can be limited to 90° LH (clockwise) or 90° RH (anticlockwise), when handle will only lock in the rest position. Illustration shows handle with 'flats' vertical on escutcheon.

A special model has handle locking vertical to escutcheon with 45° rotation to either side.



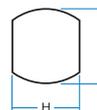
9/00156
'Equilateral'
recess pan
with handle
on RH side



A Handle length	115 mm
B Face width	30 mm
C Face height	30 mm
D Body Depth	26 mm
E Total projection (shaft length)	63 mm
F Depth of Thread	15 mm

PANEL-PIERCING DETAIL

This larger aperture also suits our other 'easy-fix' handles, 'Turnbutton' and 'Compact' models.



H Piercing across flats	22 mm
J Piercing, diameter	24 mm

HANDLES FOR RECESS FITTING

Versions of this handle are available with 'Equilateral' recess plate, reducing external projection to 15 mm. These are 'handed', and the illustration shows handle fitted on right-side of the pan. Consult sales office for details.



180° as standard, rotation can be limited to 90°, LH/RH, when required.



Mount through panel piercing against 'flats' on escutcheon, and secure with large brass nut. Neoprene gasket and stainless spring spacing washer are provided.



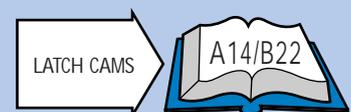
'FS' keys as standard with 'shuttered' keyway optionally 'FT', 'DLP' key types.



Chromium plated or black powder coated



- Shaft lengths
- Threaded shafts (M10)
- Special key numbers/sets
- 90° LH/RH rotation





Single-sided 'FS' keys are standard

9/00172
Non-locking 'L' with
38mm concealed
fixing



9/00167 Locking 'L'
with 38mm open-
fixing



LEVER 'L' HANDLES WITH SURFACE MOUNTING

Good-looking handles with rectangular, surface-mounted escutcheons for either open- or concealed-fixing. Lock cylinders are "shuttered" for weather-resistance and there is choice of 38 mm (1.5 inch) or 44 mm (1.75 inch) hole centres

ORDERING CODE

With 38 mm open-fixing

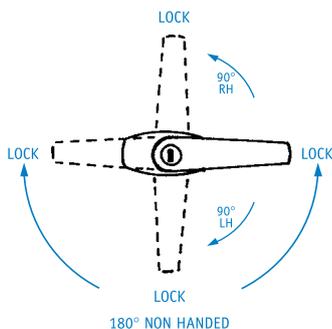
9/00167	Lever 'L', locking, chrome
9/00167/01	As above, FS 880 keys
9/00170	Lever 'L', non-locking, chrome

With 38 mm concealed-fixing

9/00171	Lever 'L', locking, chrome
9/00171/01	As above, FS 880
9/00172	Lever 'L', non-locking, chrome

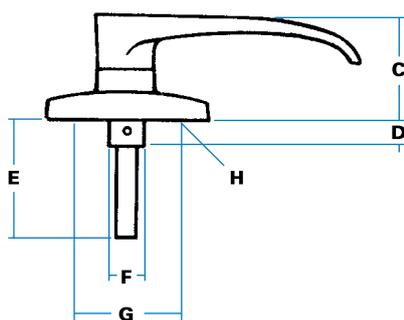
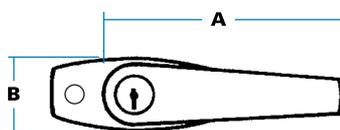
With 44 mm open-fixing

9/00173	Lever 'L', locking, chrome
9/00173/01	As above, FS 880
9/00183	Lever 'L', non-locking, chrome



Handles operate through 180° as standard (non-handed). To special order, rotation can be limited to 90° LH (clockwise) or 90° RH (anticlockwise). Handles will lock at each 90° position.

SPECIFICATION



A	Handle length	115 mm
B	Mounting width	33 mm
C	Face height	42 mm
D	Depth of handle boss	10 mm
E	Shaft length	125 mm
F	Diameter of boss	14 mm
G	Hole centres	38/44 mm
H	Hole sizes (open) dia.	5 mm, c/s 9 mm



180° as standard, rotation can be limited to 90°, LH/RH, or 360° free-movement.



Fix through countersunk holes, or with concealed-fixing models use screws provided (M4 x 8 mm) to secure from beneath. Neoprene gasket provided.



'FS' keys as standard with 'shuttered' keyway optionally 'FT' or 'DLP' key types.



Chromium plated or black powder coated



- Shaft lengths
- Threaded shafts (M10)
- Special key numbers/sets
- 90° LH/RH rotation
- Spring-return, LH/RH



Use with latching cams, slam latches or rod systems.





9/00143
Non-locking small 'T'
38mm concealed
fixing



9/00140
locking 'small T'
38mm open fixing

SMALL 'T' HANDLES WITH SURFACE MOUNTING

Widely-used cabinet handles with rectangular, surface-mounted escutcheons for either open- or concealed-fixing.

Lock cylinders are "shuttered" for weather-resistance and there is choice of 38 mm (1.5 inch) or 44 mm (1.75 inch) hole centres.

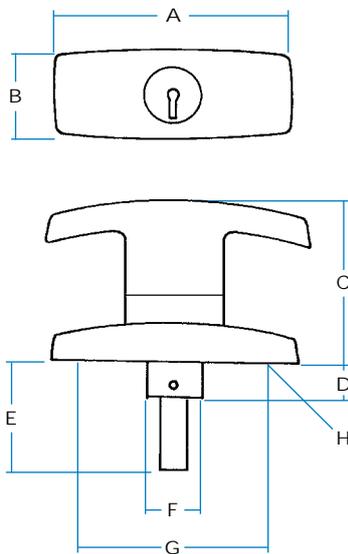


Single-sided 'FS'
keys are standard

ORDERING CODE

With 38 mm open-fixing	
9/00140	Small 'T', locking, chrome
9/00140/01	As above, FS 880
9/00141	Small 'T', non-locking, chrome
With 38 mm concealed-fixing	
9/00142	Small 'T', locking, chrome
9/00142/01	As above, FS 880
9/00143	Small 'T', non-locking, chrome
With 44 mm open-fixing	
9/00240	Small 'T', locking, chrome
9/00240/01	As above, FS 880
9/00241	Small 'T', non-locking, chrome

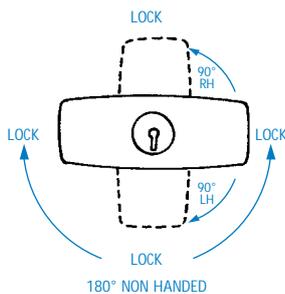
SPECIFICATION



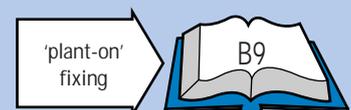
A	Handle length	65 mm
B	Mounting width	33 mm
C	Face height	42 mm
D	Depth of handle boss	10 mm
E	Shaft length	125 mm
F	Diameter of boss	14 mm
G	Hole centres	38/44 mm
H	Hole sizes (open) dia.	5 mm, c/s 9 mm

- 180° as standard, rotation can be limited to 90°, LH/RH, or 360° free-movement.
- Fix through countersunk holes, or with concealed-fixing models use screws provided (M4 x 8 mm) to secure from beneath. Neoprene gasket provided.
- 'FS' keys as standard with 'shuttered' keyway optionally 'FT' or 'DLP' key types.
- Chromium plated or black powder coated
- Shaft lengths
 - Threaded shafts (M10)
 - Special key numbers/sets
 - 90° LH/RH rotation
 - Spring-return, LH/RH
- Use with latching cams, slam latches or rod systems.

ROTATION OF HANDLES



Handles operate through 180° as standard (non-handed). To special order, rotation can be limited to 90° LH (clockwise) or 90° RH (anticlockwise). Handles will lock at each 90° position.





Single-sided 'FS'
keys are standard

9/00147
Non-locking Large 'T'
38mm concealed
fixing



LARGE 'T' HANDLES WITH SURFACE MOUNTING

The most generally used
industrial handles, with
rectangular, surface-mounted
escutcheons for either open- or
concealed-fixing.

Lock cylinders are "shuttered" for
weather-resistance and there is choice
of 38 mm (1.5 inch) or 44 mm
(1.75 inch) hole centres.

ORDERING CODE

With 38 mm open-fixing

9/00144	Large 'T', locking, chrome
9/00144/01	As above, FS 880
9/00145	Large 'T', non-locking, chrome

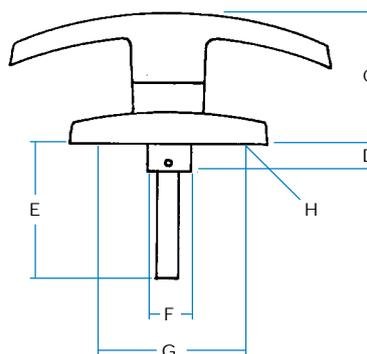
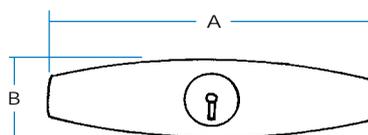
With 38 mm concealed-fixing

9/00146	Large 'T', locking, chrome
9/00146/01	As above, FS 880
9/00147	Large 'T', non-locking, chrome

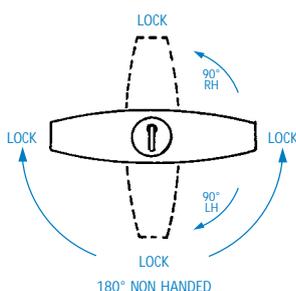
With 44 mm open-fixing

9/00244	Large 'T', locking, chrome
9/00244/01	As above, FS 880
9/00245	Large 'T', non-locking, chrome

SPECIFICATION



ROTATION OF HANDLES



Handles operate through 180° as standard
(non-handed). To special order, rotation can
be limited to 90° LH (clockwise) or 90° RH
(anticlockwise). Handles will lock at each 90°
position.

A	Handle length	100 mm
B	Mounting width	33 mm
C	Face height	42 mm
D	Depth of handle boss	10 mm
E	Shaft length	125 mm
F	Diameter of boss	14 mm
G	Hole centres	38/44 mm
H	Hole sizes (open) dia.	5 mm, c/s 9 mm



180° as standard, rotation can be
limited to 90°, LH/RH, or 360° free-
movement.



Fix through countersunk holes, or with
concealed-fixing models use screws
provided (M4 x 8 mm) to secure from
beneath. Neoprene gasket provided.



'FS' keys as standard with 'shuttered'
keyway optionally 'FT' or 'DLP' key
types.



Chromium plated or black powder
coated

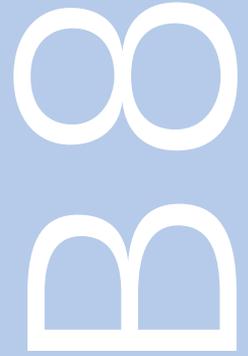


- Shaft lengths
- Threaded shafts (M10)
- Special key numbers/sets
- 90° LH/RH rotation
- Spring-return, LH/RH



Use with latching cams, slam latches or
rod systems.





9/01369/70



9/01184/85



Single-sided 'FS'
keys are standard

'PSV' MODELS (HANDLES WITH 90° 'LOST- MOTION' FITTING)

'Passenger Service Vehicle'
requirements are that it must
always be possible to open a door
from inside, so that occupants
cannot be trapped within a vehicle.

Our special 'PSV' bush meets this
specification and can be fitted to most
of our 'L' & 'T' handles. Those shown
here have a special, large mounting
escutcheon which has proved useful
with this function.

ORDERING CODE

'L' Handles

9/01184 PSV 'L' handle, 90° LH

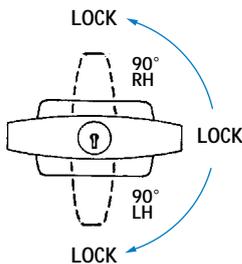
9/01185 PSV 'L' handle, 90° RH

'T' Handles

9/01369 PSV 'T' handle, 90° LH

9/01370 PSV 'T' handle, 90° RH

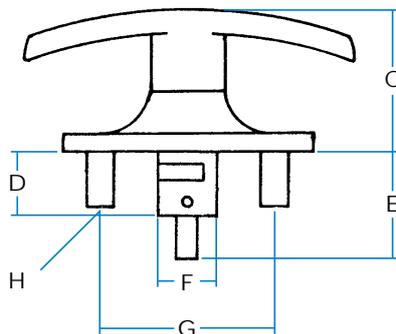
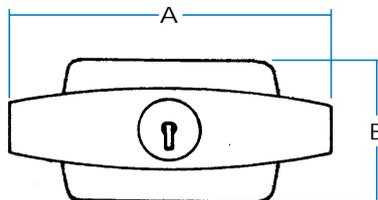
ROTATION OF HANDLES



Handles operate through 90° LH/RH, locking
in both positions, but PSV bush always allows
shaft to be turned back 90° from inside.



SPECIFICATION



A	Handle length	100 mm
B	Mounting width	45 mm
C	Surface height	41 mm
D	Depth of PSV bush	22 mm
E	Shaft length	65 mm
F	Diameter of PSV bush	25 mm
G	Holes Centres	75 mm
H	Mounting Bosses, 18 mm deep x M6 Neoprene gasket & fixing bolts provided.	



Operate and lock handles as normal,
but PSV bush always allows handle
shaft to be turned back 90° from
inside, to operate door latch.



LH & RH versions as shown. Bush can
be set by hand to give 90° motion in
desired direction.



Models shown are fixed from inside into
two M6 tapped bosses. Neoprene
gasket & fixing bolts provided.



'FS' keys as standard with 'shuttered'
keyway, optionally 'FT' & 'DLP' key
types.



Chromium plated or black powder
coated.



PSV bush can be fitted to any handle
apart from our 'traditional' designs,
with special shafts to customer order.



Use with any slam latch system





PLANT-ON 'L' HANDLES

Locking and non-locking, non-handed, with chromium-plated finish. Height 53 mm, all other dimensions as 9/00167 (B5).

ORDERING CODE

9/01667 Plant-on 'L', locking.

9/01667/01 As above, FS 880.

9/01670 Plant-on 'L', non-locking.



PLANT-ON 'SMALL T' HANDLES

Locking and non-locking, non-handed, with chromium-plated finish. Height 53 mm, all other dimensions as 9/00140 (B6).

ORDERING CODE

9/01660 Plant-on 'small T', locking.

9/01660/01 As above, FS 880.

9/01661 Plant-on 'small T', non-locking.



PLANT-ON 'LARGE T' HANDLES

Locking and non-locking, non-handed, with chromium-plated finish. Height 53 mm, all other dimensions as 9/00144 (B7).

ORDERING CODE

9/01664 Plant-on 'large T', locking.

9/01664/01 As above, FS 880.

9/01665 Plant-on 'large T', non-locking.

Single-sided 'FS' keys are standard



**'L' & 'T' HANDLES
WITH FULLY
'PLANT-ON'
MOUNTING**

Identical to regular 'L' & 'T' models, but with a special high-waisted escutcheon that brings assembly fittings above panel surface, making handles fully 'plant-on'. Latch systems can be mounted immediately underneath, without need for bridging plate.

Note increased surface height (to 53 mm) and open-fixing at 38 mm (1.5 inch) centres only.



180° as standard, rotation can be limited to 90°, LH/RH, or 360° free-movement. Handles will lock in each 90° position.



Fix through countersunk holes at 38 mm centres only. Neoprene gasket provided.



'FS' keys as standard with 'shuttered' keyway, optionally 'FT' or 'DLP' key types.



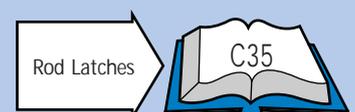
Chromium plated or black powder coated



- Shaft lengths
- Threaded shafts (M10)
- Special key numbers/sets
- 90° LH/RH rotation

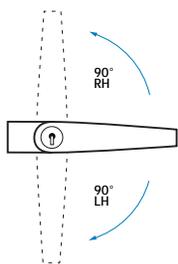


Use with latching cams, slam latches or rod systems.





ROTATION



ORDERING CODE

90° RH rotation	
1/24497	Plant-on 'L', locking, chrome
1/24799	Plant-on 'L', non-locking, chrome
90° LH rotation	
1/24854	Plant-on 'L', locking, chrome
1/24809	Plant-on 'L', non-locking, chrome

SPECIFICATION

A	Handle length	105 mm
B	Mounting width	23 mm
C	Surface height	53 mm
D	Hole centres (fixing)	35 mm
	Holes tapped	10-32 UNF x 8 mm deep

'PLANT-ON'
'L' & 'T' HANDLES
(OLDER-STYLE
MODELS)

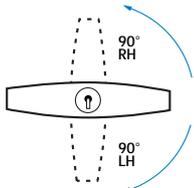
An older, special design but still popular because of the unusual shape of the handle castings, particularly the deep side-walls and the narrowness of the escutcheon. All fittings are contained above panel surface, making handles fully 'plant-on'. Non-locking models also available.



Single-sided 'FS' keys are standard



ROTATION



ORDERING CODE

90° RH rotation	
1/24517	Plant-on 'T', locking, chrome
1/24819	Plant-on 'T', non-locking, chrome
90° LH rotation	
1/24507	Plant-on 'T', locking, chrome
1/24829	Plant-on 'T', non-locking, chrome

SPECIFICATION

A	Handle length	100 mm
B	Mounting width	23 mm
C	Surface height	53 mm
D	Hole centres (fixing)	35 mm
	Holes tapped	10-32 UNF x 8 mm deep



Rotation is limited to 90° (clockwise) and 90° RH (anticlockwise) as shown, locking in both positions.



Concealed fixing only, by two screws into tapped bosses at 35 mm hole centres (1.375 inch). Gasket provided.



'FS' keys as standard with 'shuttered' keyway, optionally 'FT' or 'DLP' key types.



Chromium plated or black powder coated



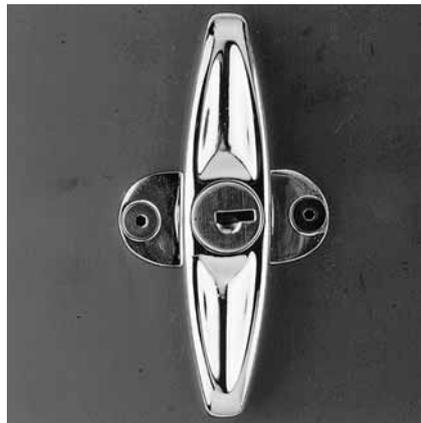
- Shaft lengths
- Threaded shafts (M10)
- Special key numbers/sets





1/25515
'Lowline T' in 'Locked'
position, (above)

Handle in 'open' position,
(right), showing mounting
holes on 'open fix' models.



ORDERING CODE

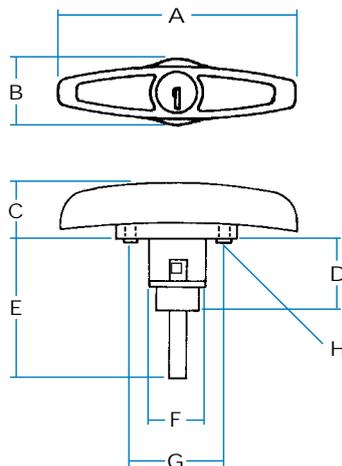
With 40mm open-fixing

1/25515	'Lowline T', locking, chrome
1/25515/O1	As above, FS880
1/25515B	'Lowline T', locking, black
1/25515B/O1	As above, FS880

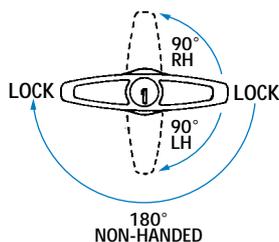
With 40mm concealed fixing

1/25517	'Lowline T', locking, chrome
1/25517/O1	As above, FS880
1/25517B	'Lowline T', locking, black
1/25517B/O1	As above, FS880

SPECIFICATION



ROTATION OF HANDLES



Handles operate through 180° as standard
(non-handed). Rotation can be limited to 90°
LH (clockwise) or 90° RH (anticlockwise).
Handles will lock in horizontal position only.

A	Handle length	97 mm
B	Mounting width	28 mm
C	Face height	23 mm
D	Depth of handle boss	25 mm
E	Shaft length	76 mm
F	Diameter of boss	23 mm
G	Hole centres	40 mm
H	Hole sizes (open) dia.	5mm c/s 9mm

Concealed-fixing models have two threaded
studs fitted into escutcheon,
10mm deep x 10-32 UNF. (Top face is plain).



'LOWLINE' MINIMAL- PROJECTION 'T' HANDLES

Sitting almost directly onto the
panel surface, this design has
absolutely minimum projection,
avoiding risk of injury from the
'arms' of the T-handle.

With hidden mounting holes (or
internal studs) it is ideal for roller
shutters, vehicle side compartments
and special cabinets.



180° as standard, rotation can be
limited to 90°, LH/RH, or 360° free
movement. Handle only locks in
horizontal position.



Fix through countersunk holes (hidden
when handle is locked), or with studs
fitted to concealed-fixing models.



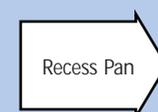
FS' keys as standard with 'shuttered'
keyway, optionally 'FT', or 'DLP'
key types.



Chromium plated or black powder
coated.



- Shaft lengths
- Threaded shafts (M10)
- Special key numbers/sets
- 90° LH/RH rotation
- Fully-flush fitting using recess pan





9/00400
'Open' Fixing

9/00402
'Concealed' Fixing

PADLOCKABLE HANDLES IN STAINLESS STEEL

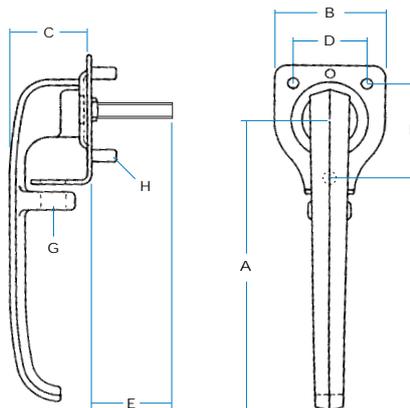
Corrosion can be a major concern in some environments, such as marine industries or food processing plants, where these all-stainless handles will be very useful. The padlockable loop enables doors to be secured, with visible evidence that locking has taken place.

ORDERING CODE

9/00400 Padlockable handle, stainless steel, open-fixing

9/00402 Padlockable handle, stainless steel, concealed fixing

SPECIFICATION



A	Handle length	152 mm
B	Mounting width	54 mm
C	Face height	42 mm
D	Hole centres	38 mm
E	Shaft length	82 mm
F	Hole centres	48 mm
G	Padlock loop (dia)	12 mm
H	{Holes sizes (dia) {Studs 13mm, 6mm x 20 UNC	5.5 mm

Concealed-fix models have 'O'-ring & gasket for sealing against dust/water ingress.

! Fully plant-on with either open or concealed fixing, bright polished 300 series stainless steel throughout. 'O'-ring & gasket with concealed-fix models.

↕ Free-rotation through 360°.

⚙ Fix through mounting holes in (open) escutcheon plate, or with studs on concealed fixing versions.

🔧 Bright polished on exterior surfaces.

M Handles constructed in 300 series stainless steel throughout.

? - Threaded shaft

Stainless
Budget
latches





9/01605
Stainless 'L' Handle with
WBH escutcheon & 8mm
shaft



9/01615
Stainless 'T' Handle
with WBH escutcheon &
8mm shaft

STAINLESS STEEL HANDLES WITH 'EASY-FIX' MOUNTING

These 'L' and 'T' handles have similar dimensions to our diecast range, with the same 'easy-fix' mounting through a standard panel piercing. However, they are made completely in 300 series stainless steel for corrosion resistance and good appearance.

ORDERING CODE

With WBH Escutcheon & shaft
9/01605 Stainless 'L' handle

9/01615 Stainless 'T' handle

With WBH Escutcheon & latch bar
9/01600 Stainless 'L' handle

9/01610 Stainless 'T' handle

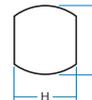
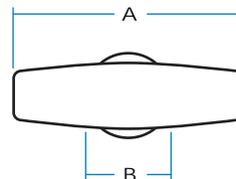
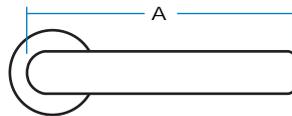
With 'EMKA' Escutcheon & shaft
9/01606 Stainless 'L' handle

9/01616 Stainless 'T' handle

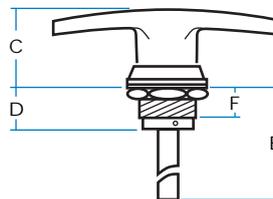
With 'EMKA' Escutcheon & latch bar
9/01601 Stainless 'L' handle

9/01611 Stainless 'T' handle

SPECIFICATION



Panel-piercing
detail (WBH)



'T' handle with fitted latch bar
9/01610



'T' handle with fitted latch bar This model has a stainless latch bar (as 5/00097) with 10mm 'crank', fitted directly to the rear of the handle casting.

A Handle length ('L')	112 mm
A Handle length ('T')	80 mm
B Face width (escutcheon)	30 mm
C Face height	35 mm
D Body depth	18 mm
E Total projection (shaft length)	63 mm
F Depth of thread	10 mm
H Piercing across flats	22 mm
J Piercing, diameter	24 mm

Note: Dimensions of 'EMKA' escutcheon and panel piercing differ from above.

! Satin-finished handles with 8mm stainless steel shaft, or with directly-fitted latch bar. Fixing escutcheon to either WBH standard, or to fit 'EMKA/DIRAK' style piercings.

↕ 180° Movement against stops.

≡ Mount through panel piercing against 'flats' on escutcheon and secure with large stainless nut. Neoprene gasket and stainless spring spacing washer are provided.

🔧 Satin-finished as standard.

? - Shaft lengths
- Threaded shafts (M10)
- Semi-recess fitting for 'T' handles using 9/00138SS pan.

Stainless
Hinges

Section F



9/01279
Non-Locking
Handle

9/01280
Locking
Handle

Mounting holes at 44mm centres are totally hidden when handle is locked

'TITAN' SERIES HEAVY-DUTY HANDLES - 160mm LENGTH

Created to provide a robust, modern design, the 'Titan' series is much stronger than normal handles. In particular, metal section at the base of the handle casting is more than twice usual thickness, preventing fracture and resisting lateral loads.

! Large size, wide section for good grip, convenience of external mounting but with screws fully concealed when locked, double-sided keys as standard.

↕ 180° as standard, rotation can be limited to 90°, LH/RH, or to the special '180° horizontal' option. Handles lock at each 90° position.

⚙ Fix through countersunk holes at 44mm centres, which are completely hidden when handle is locked. Neoprene gasket supplied.

🔑 'FT' double-sided keys as standard with 'shuttered' keyway. Alternatively 'FS', or 'DLP' key types.

🔧 Black as standard, other finishes to special order only.

? - Shaft lengths
- Threaded shafts (M10)
- Special key numbers/sets
- 90° LH/RH rotation

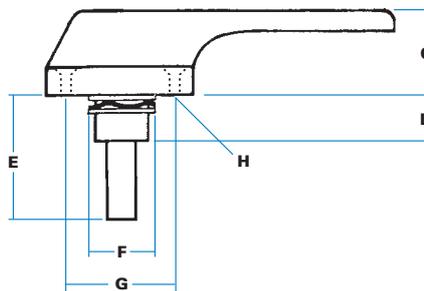
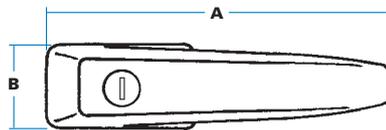
Heavy-Duty
Cams



ORDERING CODE

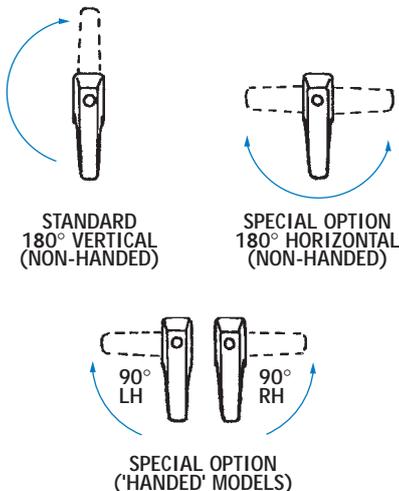
9/01280	'Titan' (160 mm) locking, black
9/01280/01	As above, FT111
9/01279	'Titan' (160 mm), non-locking, black

SPECIFICATION

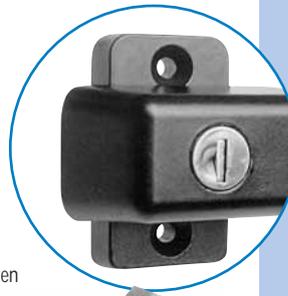


A	Handle length	160 mm
B	Mounting width	37 mm
C	Face height	41 mm
D	Depth of handle boss	18 mm
E	Shaft length	130 mm
F	Clearance	28 mm
G	Hole centres	44 mm
H	Hole sizes (open)	dia. 5.5 mm c/s 10 mm.

ROTATION OF HANDLES



Handles operate through 180° as standard (non-handed). Rotation can be limited to 90° LH (clockwise) or 90° RH (anticlockwise), or to special order, to 180° horizontal movement as shown. Handles will lock in each 90° position.



Mounting holes at 44mm centres are totally hidden when handle is locked

9/01038
Non-Locking Handle

9/01037
Locking Handle

'TITAN' SERIES HEAVY-DUTY HANDLES - 185mm LENGTH

The full-length versions of the 'Titan' series have 'tail' turned inwards for good appearance and to reduce surface projection. The metal section at the base of the handle casting is more than twice usual thickness, preventing fracture and resisting lateral loads.

! Large size, wide section for good grip, convenience of external mounting but with screws fully concealed when locked, double-sided keys as standard.

↕ 180° as standard, rotation can be limited to 90°, LH/RH, or to the special '180° horizontal' option. Handles lock at each 90° position.

🔧 Fix through countersunk holes at 44mm centres, which are completely hidden when handle is locked. Neoprene gasket supplied.

🔑 'FT' double-sided keys as standard with 'shuttered' keyway. Alternatively 'FS', or 'DLP' key types.

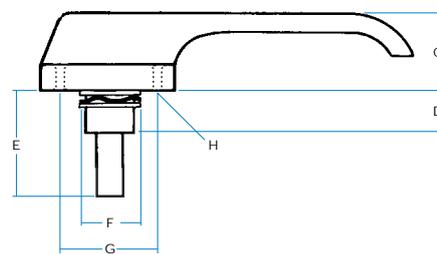
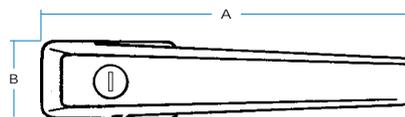
🔨 Black as standard, other finishes to special order only.

? - Shaft lengths
- Threaded shafts (M10)
- Special key numbers/sets
- 90° LH/RH rotation

ORDERING CODE

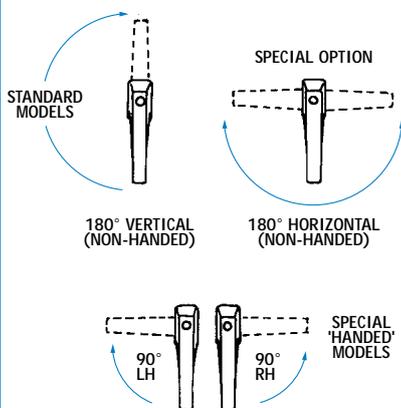
9/01037	'Titan' locking, black
9/01038	'Titan' non-locking, black
9/01035	'Titan' 90°LH non-locking, black
9/01036	'Titan' 90°RH non-locking, black
9/01071	'Titan' 90°LH, locking, black
9/01072	'Titan' 90°RH, locking, black

SPECIFICATION



A	Handle length	185 mm
B	Mounting width	37 mm
C	Face height	41 mm
D	Depth of handle boss	18 mm
E	Shaft length	130 mm
F	Clearance	28 mm
G	Hole centres	44 mm
H	Hole sizes (open)	dia. 5.5 mm c/s 10 mm.

ROTATION OF HANDLES



Handles operate through 180° as standard (non-handed). Rotation can be limited to 90° LH (clockwise) or 90° RH (anticlockwise), or to special order, to 180° horizontal movement as shown. Handles will lock in each 90° position.

Heavy-Duty
Cams

B22



9/01903
Non-locking handle



9/01902
Locking handle
with weathershield



Double-sided 'FT'
Keys are standard

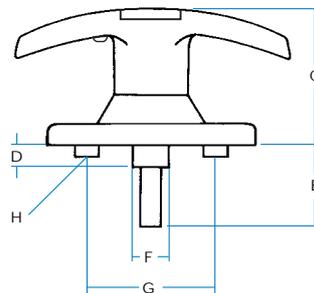
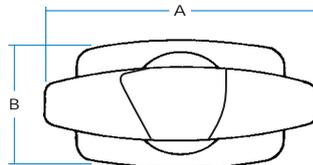
'HEAVY-T' HANDLES WITH WEATHERSHIELD

An unusual locking handle with sliding 'weathershield' plate which completely protects lock cylinder against entry of water and road debris. Made with heavy-section castings and large, concealed-fixing escutcheon, this new design provides improved durability for vehicle applications. Non-locking version available.

ORDERING CODE

9/01902	'Heavy-T' handle, locking, chrome
9/01902/01	As above, FT111 keys, chrome
9/01903	'Heavy-T' handle, non-locking, chrome

SPECIFICATION



Lift 'weathershield' to insert key. Movement is 180° as standard, rotation can be limited to 90° RH/LH when required.



Concealed-fixing into two tapped bosses, using M6 bolts and neoprene gasket provided. Handle must be fitted with weathershield sliding upwards to reveal keyway.



'FT' double-sided keys as standard with 'shuttered' keyway. Optionally 'FS' or 'DLP' key types.

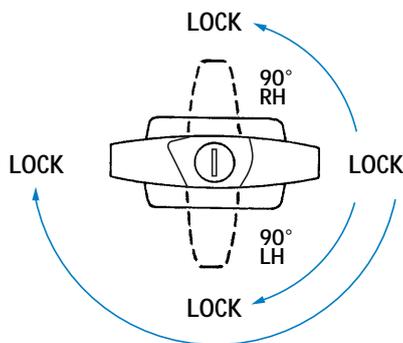


Exterior-grade chromium plating as standard.



- Shaft lengths
- Threaded shafts
- Special key numbers/sets
- 90° LH/RH rotation
- 'PSV' fitting

ROTATION OF HANDLES



Handles operate through 180° as standard (non-handed). To special order, rotation can be limited to 90° LH (clockwise) or 90° RH (anticlockwise). Handles will lock at each 90° position.

A	Handle length	110 mm
B	Mounting width	51 mm
C	Face height	53 mm
D	Depth of handle boss	10 mm
E	Shaft length	63 mm
F	Diameter of boss	25 mm
G	Hole centres	51 mm
H	Bosses, 3mm high, tapped M6 x 7mm	
Handle supplied with fixing bolts (MP00129) and neoprene gasket.		

Heavy Duty
Cams

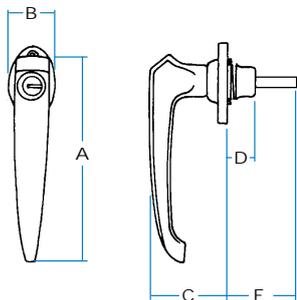




Single-sided 'FS' keys only



1/04964
'Heavyweight'
Non-Locking Handle



1/04959
'Heavyweight'
Locking Handle

ORDERING CODE

1/04959	'Heavyweight' handle, locking, chrome
1/04959/01	As above, FS880
1/04964	'Heavyweight' handle, non locking, chrome

Add suffix 'B' for black.

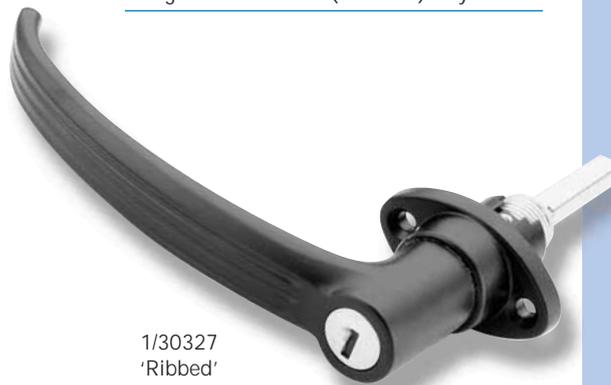
SPECIFICATION

A	Handle length	160 mm
B	Mounting width	32 mm
C	Face height	60 mm
D	Depth of handle boss	20 mm
E	Shaft length	140 mm

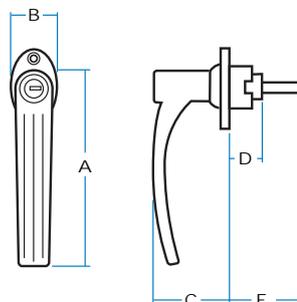
Fixing centres at 44mm (1.75 inch) only.



Single-sided 'FS' keys only



1/30327
'Ribbed'
Locking Handle



ORDERING CODE

1/11465	'Ribbed' handle, locking, chrome
1/18259	'Ribbed' handle, non-locking, chrome
With spring-return at 38mm centres	
1/30327	Locking handle, 90° LH, black
1/30328	Locking handle, 90° RH, black

SPECIFICATION

A	Handle length	150 mm
B	Mounting width	32 mm
C	Face height	56 mm
D	Depth of handle boss	20 mm
E	Shaft length	140 mm

Fixing centres at 44mm for standard models. Dimensions vary slightly for spring-return handles with 38mm centres.

'TRADITIONAL' HANDLES - HEAVY-DUTY MODELS

Two of our older designs, both made for large trucks, with heavier-duty fittings and extra metal thickness around shaft-retaining area to give greater strength.

The 'Heavyweight' series (at 504 grams) has been used by Massey Ferguson, Fodens, Scammel, and many American truck models. Fixing centres at 44mm (1.75 inch) only.

The 'Ribbed' series has been used by Bedford and military trucks, and by Ford Tractors. Fixing centres at 44mm (1.75 inch), or with spring return at 38mm (1.5 inch) centres.



Free rotation through 360°, locking at each 90° position. Spring-return models travel through 90° only.



Fix through countersunk holes. Neoprene gaskets provided.



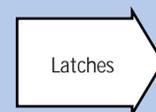
'FS' keys only, with 'shuttered' keyway.



Chromium plated or black powder-coated.



- Shaft lengths
- Threaded shafts (M10)
- Special key numbers/sets
- 'Customised' keys



Latches





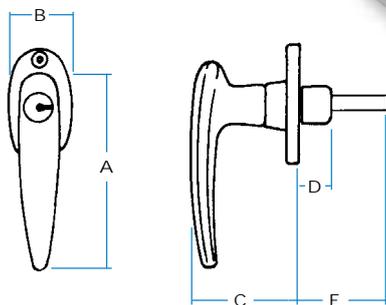
Single-sided 'FS' keys are standard



1/16600
Non-Locking Handle



1/12950
Locking Handle



ORDERING CODE

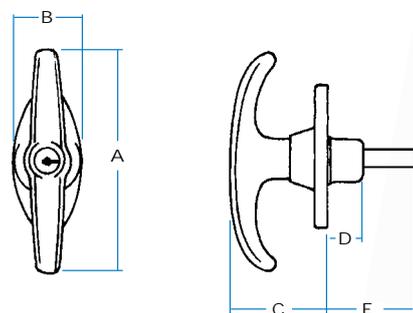
1/12950	Locking handle, chrome (44mm)
1/12950/01	As above, FS880
1/16600	Non-locking handle, chrome (44mm)
1/28892	Locking handle, chrome (38mm)
1/28892/01	As above, FS880
1/16686	Non-locking handle, chrome (38mm)

Add suffix 'B' for black.

SPECIFICATION

A	Handle length	105 mm
B	Mounting width	32 mm
C	Face height	50 mm
D	Depth of handle boss	16 mm
E	Shaft length	125 mm

Fixing centres at 38mm & 44mm, standard.



1/13400
Locking 'T' Handle

ORDERING CODE

1/13400	Locking 'T', chrome, (44mm)
1/13400/01	As above, FS880
1/15400	Non-locking 'T', chrome (44mm)
1/13482	Locking 'T', chrome (38mm)
1/13482/01	As above, FS880
1/15402	Non-locking 'T', chrome (38mm)

SPECIFICATION

A	Handle length	105 mm
B	Mounting width	32 mm
C	Face height	50 mm
D	Depth of handle boss	16 mm
E	Shaft length	125 mm

Fixing centres at 38mm & 44mm, standard.

'TRADITIONAL' HANDLES ALL-PURPOSE MODELS

These familiar designs have been fitted at various times to passenger cars, trucks, tractors, and to all types of ancillary equipment. Standard fixing centres 38mm (1.5 inch) and 44mm (1.75 inch), with alternative mounting escutcheons available, including concealed-fix options.



Free rotation through 360°, locking at each 90° position.



Fix through countersunk holes or with studs on concealed-fixing versions. Neoprene gaskets provided.



FS' keys only, with shuttered keyway.



Chromium plated or black powder-coated.



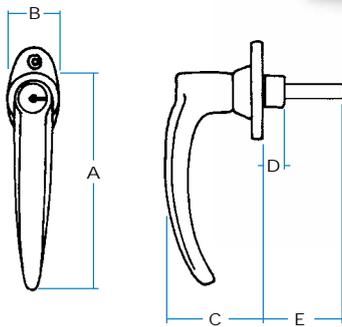
- Shaft lengths
- Threaded shafts
- Special key numbers/sets
- 'Customised' keys
- Alternative mounting escutcheons



Single-sided 'FS'
keys only



1/14300
'Arched' Locking
Handle



ORDERING CODE

1/14300	'Arched' handle, locking, chrome (44mm)
1/14300/01	As above, FS880
1/14600	'Arched' handle, non-locking, chrome (44mm)
1/28902	'Arched' handle, locking, chrome (38mm)
1/28902/01	As above, FS880
1/28903	'Arched' handle, non-locking, chrome (38mm)

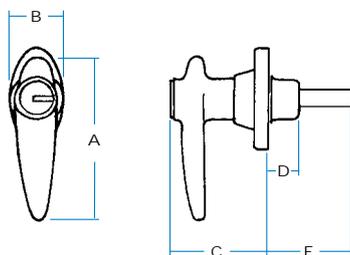
SPECIFICATION

A	Handle length	130 mm
B	Mounting width	32 mm
C	Face height	56 mm
D	Depth of handle boss	16 mm
E	Shaft length	125 mm

Fixing centres at 38mm & 44mm, standard.

'TRADITIONAL' HANDLES 'ARCHED' & 'SMALL-L'

Two other long-established designs, both have unusual lengths of 'lever' which make them suitable for special vehicle applications and for 'kit' and 'replicars'. Standard models are as shown, with alternative mounting escutcheons available, including concealed-fix options



1/13700
'Small L' Locking
Handle

ORDERING CODE

1/13700	'Small L', locking, chrome (35mm)
1/13700/01	As above, FS880
1/18140	'Small L', non-locking, chrome (35mm)

SPECIFICATION

A	Handle length	74 mm
B	Mounting width	30 mm
C	Face height	43 mm
D	Depth of handle boss	16 mm
E	Shaft length	125 mm

Fixing centres are 35mm (1.37 inch), standard.



Free rotation through 360°, locking at each 90° position.



Fix through countersunk holes or with studs on concealed-fixing versions. Neoprene gaskets provided.



FS' keys only, with shuttered keyway.



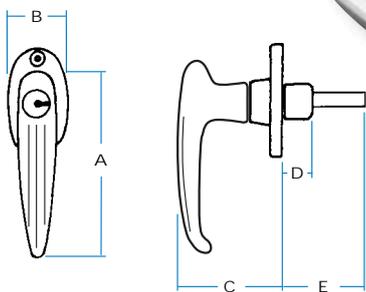
Chromium plated or black powder-coated.



- Shaft lengths
- Threaded shafts
- Special key numbers/sets
- 'Customised' keys
- Alternative mounting escutcheons
- Concealed fixing at 36mm & 40mm centres



Single-sided 'FS' keys only



1/15134
'Fluted'
Non-Locking handle



1/12734
'Fluted'
Locking handle



ORDERING CODE

1/12734	'Fluted' handle, locking, chrome (44 mm)
1/12734/01	As above, FS880
1/15134	'Fluted' handle, non-locking, chrome (44 mm)
1/12700	'Fluted' handle, locking, chrome (36 mm)
1/15100	'Fluted' handle, non-locking, chrome (36 mm)

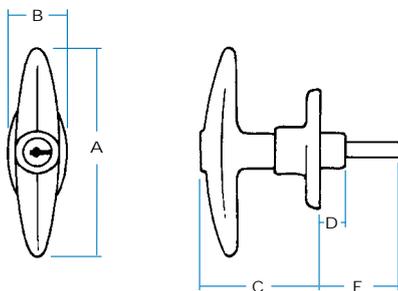
SPECIFICATION

A	Handle length	100 mm
B	Mounting width	32 mm
C	Face height	51 mm
D	Depth of handle boss	16 mm
E	Shaft length	125 mm

Fixing centres at 44 mm & 36 mm, standard.

'TRADITIONAL' HANDLES - CLASSIC 'PERIOD' MODELS

At one time immensely popular, these handles are now mostly used for restorations and reproductions of classic vehicles. Standard fixing centres are 44mm (1.75 inch) & 36mm (1.43 inch), with alternative mounting escutcheons available, including concealed-fix options.



1/16100
Locking 'T' Handle



ORDERING CODE

1/16131	Locking 'T' handle, chrome (44 mm)
1/16131/01	As above, FS880
1/16132	'Non-locking 'T' handle, chrome (44 mm)
1/16100	Locking 'T' handle, chrome (36 mm)
1/16050	Non-locking 'T' handle, chrome (36 mm)

SPECIFICATION

A	Handle length	108 mm
B	Mounting width	32 mm
C	Face height	51 mm
D	Depth of handle boss	16 mm
E	Shaft length	125 mm

Fixing centres are 44 mm & 36 mm standard.



Free rotation through 360°, locking at each 90° position.



Fix through countersunk holes or with studs on concealed-fixing versions. Neoprene gaskets provided.



'FS' keys only, with 'shuttered' keyway.



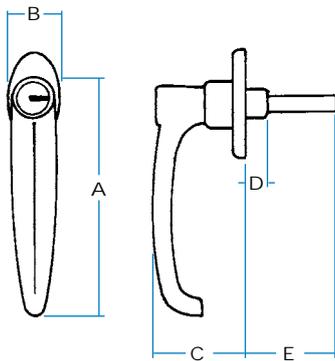
Chromium plated or black powder-coated.



- Shaft lengths
- Threaded shafts
- Special key numbers/sets
- Alternative mounting escutcheons
- Concealed fixing at 36 mm & 40 mm centres.



Single-sided 'FS'
keys are standard



1/27251
Locking 'L' Handle
Safety style

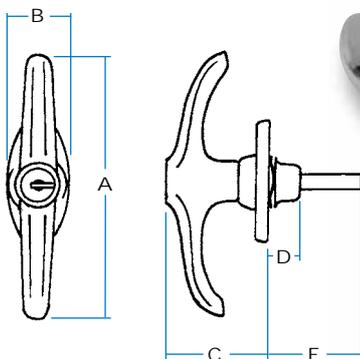
ORDERING CODE

1/27251	'Safety' handle, locking, chrome (44 mm)
1/27251/01	As above, FS880
1/27252	'Safety' handle, non-locking, chrome (44 mm)

SPECIFICATION

A	Handle length	130 mm
B	Mounting width	32 mm
C	Face height	42 mm
D	Depth of handle boss	16 mm
E	Shaft length	125 mm

Fixing centres at 44 mm standard.



1/00831
Locking 'T' Handle
Safety style

ORDERING CODE

1/00831	Locking 'T' handle, chrome (44 mm)
1/00831/01	As above, FS880
1/00832	'Non-locking 'T' handle, chrome (44 mm)

SPECIFICATION

A	Handle length	135 mm
B	Mounting width	32 mm
C	Face height	51 mm
D	Depth of handle boss	16 mm
E	Shaft length	125 mm

Fixing centres are 44 mm standard.

'TRADITIONAL' HANDLES - STYLED FOR SAFETY

Both of these handles have been designed so that the 'arms' turn under and down, to avoid a sharp, projecting tip. With relatively long, heavy-section castings they are well suited to specialist vehicles, particularly if mounting panel is shaped and brought up close to the ends of the handles.



Free rotation through 360°, locking at each 90° position.



Fix through countersunk holes or with studs on concealed-fixing versions.



'FS' keys only, with 'shuttered' keyway, ('FT' keys option on 'L' handle).



Chromium plated or black powder-coated.



- Shaft lengths
- Threaded shafts
- Special key numbers/sets
- Alternative mounting escutcheons
- Concealed fixing at 36 mm & 40 mm centres



1/27296
Small cam



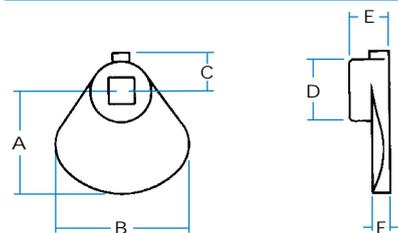
9/00837
Large cam

ORDERING CODE

1/27296 Small cam, 8 mm square hole

1/27297 Small cam, M8 threaded hole

9/00837 Large cam, 8 mm square hole



SPECIFICATION

A	Length (small cam)	32 mm
A1	Length (large cam)	63 mm
B	Width	40 mm
C	Location	11 mm
D	Diameter	19 mm
E	Height	13 mm
F	Cam-form	4 mm

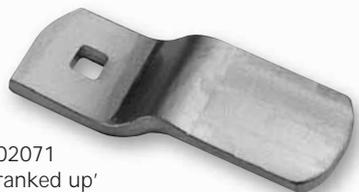
All cams are fitted with hexagon-head grub screw, adjusted by 3/32" Allen key (threaded 10/32 UNF x 3/8")

DIECAST CAMS & HEAVY-DUTY LATCH BARS

Our diecast cams provide the simplest way of securing an enclosure door. They fit onto a plain, 8 mm-square shaft, and are clamped into position with the integral socket screw. A version is available with hole threaded M8, to suit corresponding round shaft.

Heavy-duty latch bars, made in rolled-edge mild steel, 30 mm width x 5 mm deep, with 3 mm 'V' raise for cam-action.

The range of heavy steel cams (below) is normally fitted to our 'drop-T' series, but they can be used with any 8 mm-square shaft, normally threaded M10 with securing nuts to allow for adjustment and retention. Finish is bright zinc-plated.



5/02071
'cranked up'



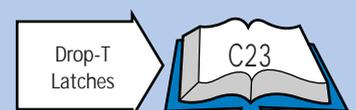
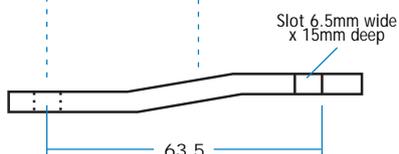
5/02069
'straight'



5/02067
'cranked down'



5/02059
'hooked'





9/01900
Locking Handle



Double-sided 'FT' Keys are fitted as standard

ORDERING CODE

9/01900	Push-button handle, 'FT' locking
9/01900/01	Push-button handle, 'FT111' keys
9/01901	Push-button handle, non-locking

SPECIFICATION

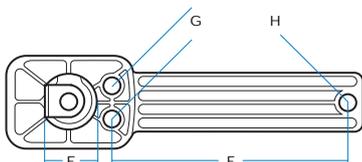
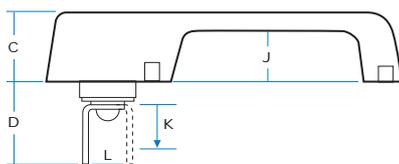
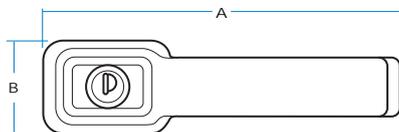
A Length	183 mm
B Width (max)	47 mm
C Height	36 mm
D Projection (rest)	32 mm
E Diameter	28 mm
F Hole centres	120 mm
G Hole centres	18 mm
H Holes	M6 x 10 mm
J Grip height	28 mm
K Travel (vertical)	14 mm
L Travel (locking)	22 mm

Materials

Handle moulding in 30% glass filled acetal copolymer. Button in zinc alloy diecast, chromium plated. Contactor in steel, zinc plated.

Alternative Contactors:

See page A10 for latch-push dimensions and alternatives.



PUSH-BUTTON HANDLE

An attractively styled handle, suitable for all personnel and compartment doors, and moulded in impact-resistant material with textured finish. This is a 'free wheeling' design, so the handle can never be forced when the button is in the locked position.



Moulded push-button handle with diecast button and lock cylinder, providing good grip for gloved hand.



Steel contactor travels 14mm downwards when button is depressed. When locked, contactor cam rotates 180° out-of-position to disengage from the latch mechanism.



Fixing beneath into three brass inserts, threaded M6 x 10mm deep, gaskets provided.



Fitted with double-sided 'FT' keys. Can also be supplied with 'FS', '92' or DLP key styles.



Finish is self-colour black textured surface, bright chrome button.



Special options include supply as pairs or sets, standard key number (FT111) or alternative contactor plates.



Moulded in 30% mineral-filled polyethylene



This handle is a direct alternative to Happich/DLP 580-0183 and Jagger 9300

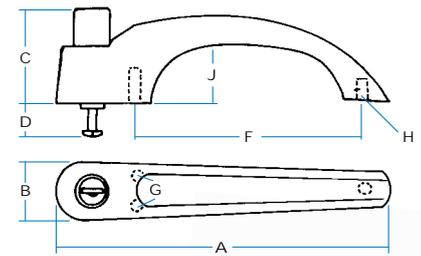




1/22788
'High-grip' handle

ORDERING CODE

1/22788	High-grip handle, locking, chrome
1/22788/01	As above, FS880
1/22789	High-grip handle, non-locking, chrome



SPECIFICATION

A Length	175 mm
B Width (max)	33 mm
C Height (max)	52 mm
D Projection	15 mm
F Hole centres	120 mm
G Hole centres	16 mm
H Hole sizes	M6 x 19 mm
J Grip height	35 mm
K Travel (vertical)	15 mm

An adjustment nut allows simple, on-site control of depth of travel of plunger screw.

DIECAST PUSH-BUTTON HANDLES

These two handles are 'blocked-action' models, so that when key is turned to lock, the button cannot be depressed.

The 'high-grip' design is essentially plant-on, with plunger operating through a good depth of travel. It suits tractors and commercial vehicles.

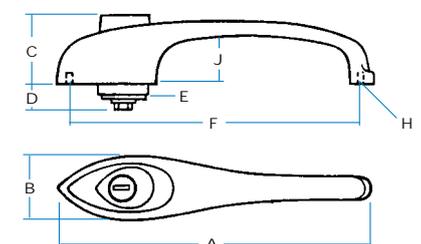
The 'classic' model has much lower projection but fits a flat panel and is widely used by 'kit' and specialist car builders.



1/07986
'Classic' push-button handle

ORDERING CODE

1/07986	Classic handle, locking, chrome
1/07987	Classic handle, non-locking, chrome
1/07988	As 1/07986, paired



SPECIFICATION

A Length	158 mm
B Width	30 mm
C Height (max)	35 mm
D Projection (rest)	12 mm
E Diameter	24 mm
F Hole centres	145 mm
H Hole sizes	1/4 BSF x 10 mm
J Grip height	19 mm
K Travel (vertical)	8 mm



Button operates vertical plunger, which is locked by turning key through 90°. Keys withdraw in 'open' & 'locked' positions.



Both fixed from beneath into tapped holes. The 'classic' model requires panel cut-out.



Chromium plated, or black powder coated handle with chrome button.



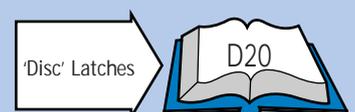
'FS' as standard with 'shuttered' keyway, optionally 'FT', '92' or 'DLP' key types. Non-locking models.

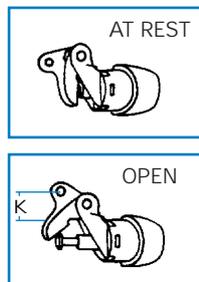


- Extended plungers
- Special key numbers/sets



Use with push-action latches, such as 'disc' latches 3/22142, etc.





1/24468 (LH)
'Limo' handle with
fitted bell-crank

ORDERING CODE

- 1/24467 'Limo' handle, RH, chrome
- 1/24468 'Limo' handle, LH, chrome
- 1/24466 'Limo' handles, Pair, chrome

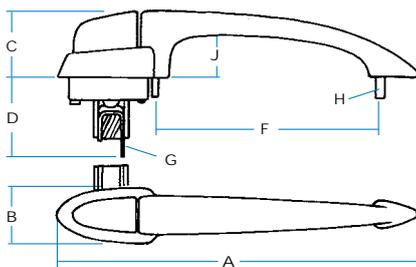


Illustration shows 1/24467, right-hand handle,
with bell-crank operating upwards.

SPECIFICATION

A Length	187 mm
B Width (max)	25 mm
C Height (max)	35 mm
D Projection	45 mm
F Hole centres	117 mm
G Contactor hole	dia. 5 mm
H Studs (2)	10-32 UNF x 15 mm
J Grip height	30 mm
K Travel (horizontal)	45 mm

Note: Plunger screw allows adjustment of travel, position of bracket (up/down) determines 'handing'. Connecting clips (3/13390) and linkage rod (9/00078).

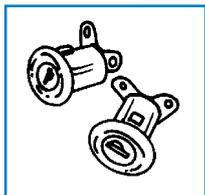
PUSH-BUTTON HANDLES FOR SEPARATE 'PRIVATE' LOCKS

These two diecast handles both require 'private' locks to be mounted separately on the door panel.

The 'bell-crank' design translates vertical movement into lateral 'pull', allowing handles to be fitted some distance away from latch mechanisms. They have been used on Jaguar, Triumph & Aston Martin cars.

The 'sports' models are simple, direct-action handles which must be mounted over the latch push-plate. They have been used on MG, Triumph and Panther cars.

Separate 'private'
locks are required



9/00210
'Sports' handle

ORDERING CODE

- 9/00210 'Sports' handle, chrome, long stem
- 9/00212 'Sports' handle, chrome, short stem

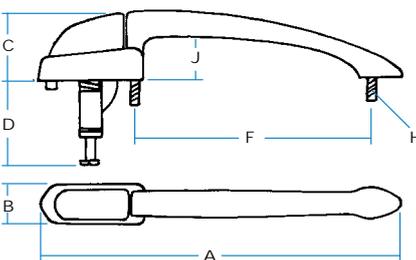


Illustration shows 9/00210, with 'long stem'
and plunger support bracket.

SPECIFICATION

A Length	178 mm
B Width (max)	20 mm
C Height (max)	35 mm
D Projection	32 mm
F Mounting centres	117 mm
H Studs	10-32 UNF x 10 mm
J Grip height	23 mm
K Travel (vertical)	12 mm

Note: Plunger screw allows adjustment of travel. With 'short stem' model, projection 'D' is 8 mm.



Both are essentially plant-on, fixed from beneath with tapped holes and studs. Both require cut-outs for inside plunger details..

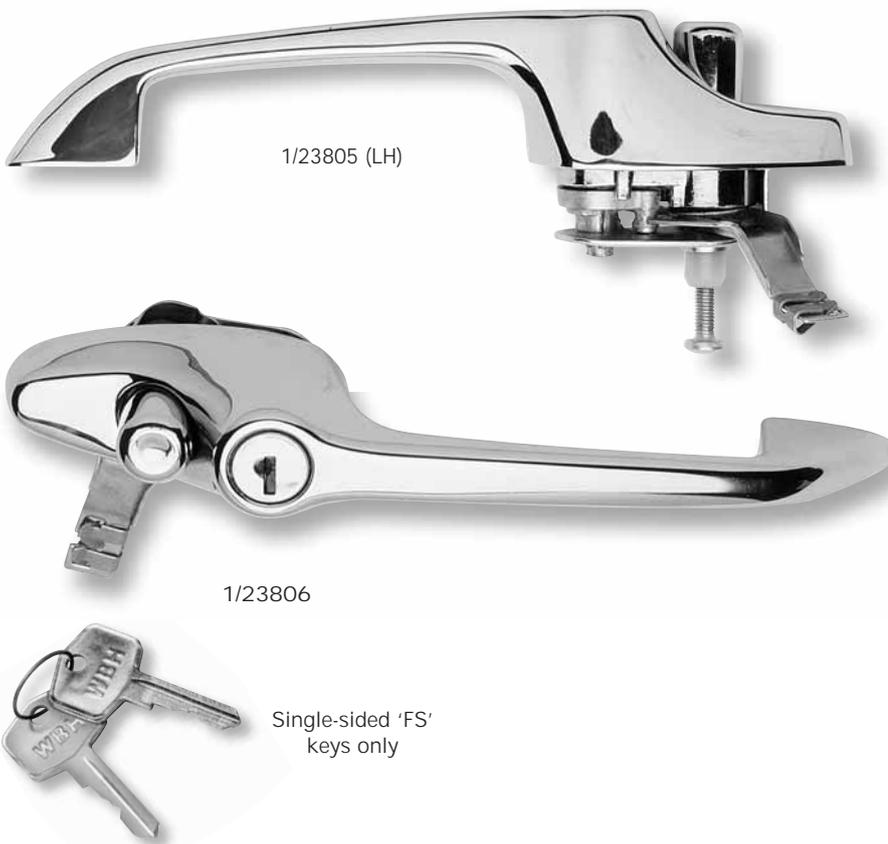


Chromium plated, or black powder coated.



- For 'bell-crank' handles use 'linkage-type' disc latches (3/15298-99) see D20
- For 'sports' handles use 'push-button' disc latches, (3/30476/7), see D21
- For 'private' door locks, (1/29400-1), see A9
- For inside releases, see E1-8

PUSH-BUTTON HANDLES FOR INTERCONNECTED DOOR SCHEMES



1/23805 (LH)

1/23806

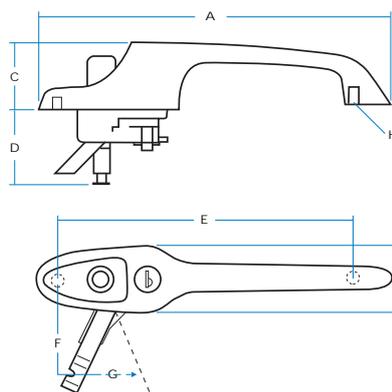
Single-sided 'FS'
keys only

ORDERING CODE

1/23805	Push-button handle, LH, chrome
1/23805B	Push-button handle, LH, black
1/23806	Push-button handle, RH, chrome
1/23806B	Push-button handle, RH, black
9/01062	Paired handles, chrome
9/01062B	Paired handles, black

Lever-end has spring-clip for 'push-on' engagement with 3.5 mm diameter operating rod on disc latch.

SPECIFICATION



A	Total length	190 mm
B	Width (max)	33 mm
C	Height (max)	35 mm
D	Plunger depth (rest)	28 mm
	(extended)	44 mm
E	Hole centres	160 mm
F	Lever position ('locked')	45 mm
G	Lever travel	45 mm
H	Hole sizes	10-32UNF x 10 mm



Handle allows full interconnection of lock/latching functions, through body of latch to inside release.



When key is turned to locked position, button is 'blocked' and cannot be depressed. This also causes attached lever to travel through 'G' and operate the locking function within the door latch. Thus even if button is forced, latch will still not open. Adjustment feature on plunger. 'Lost-motion' allows door to be opened from inside even when handle is locked.



Fixed from beneath into two tapped holes. Cut-out required for inside plunger detail.



'FS' keys only with 'shuttered' keyway.



Chromium-plated or black powder-coated.



- Special key numbers/sets
- 'Customised' keys

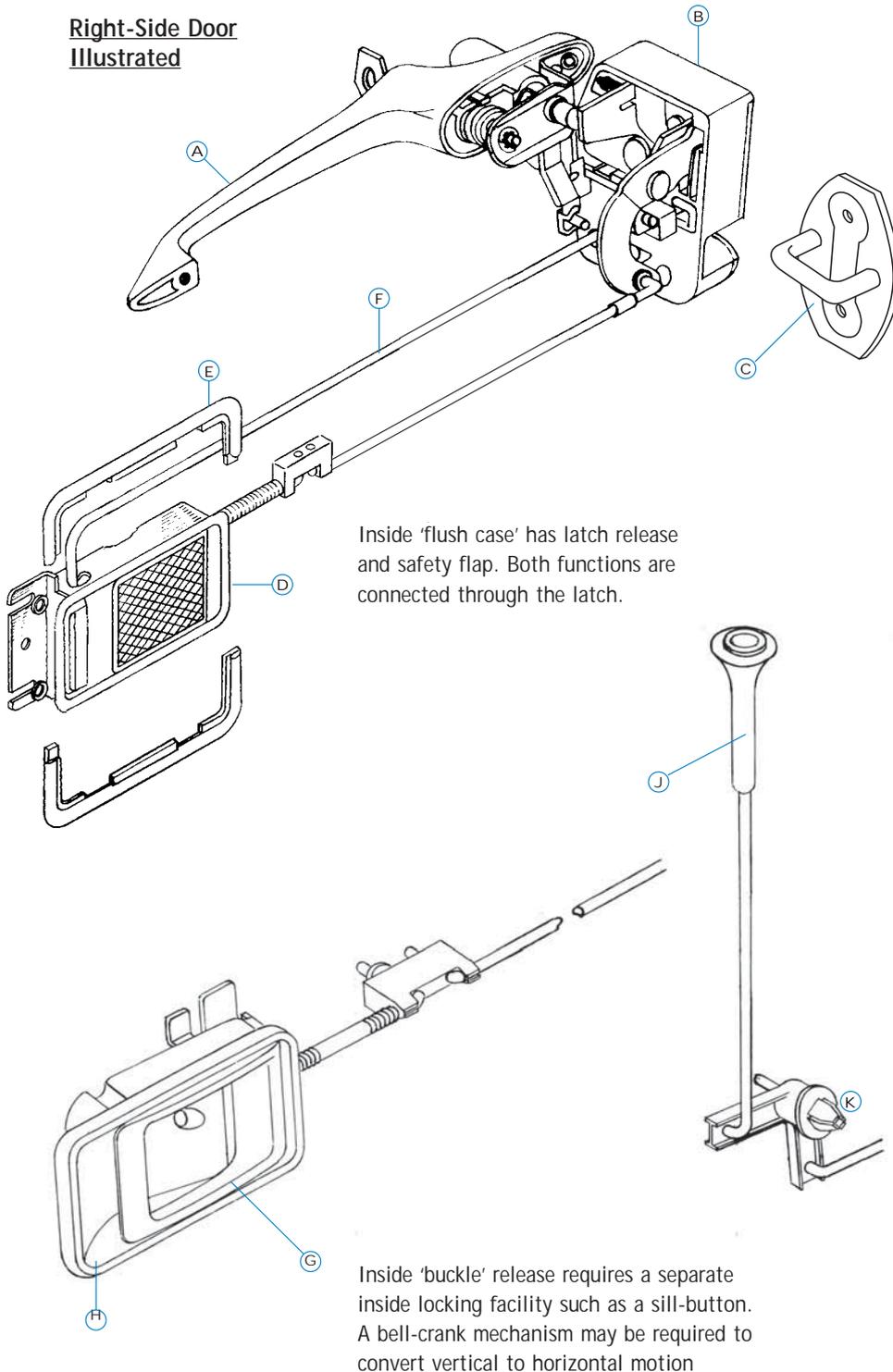


- Use with disc latches 3/30476-7 (see opposite)

INSTALLATION SCHEME

These handles and latches have been used for volume, on-road cars and vans over many years. The schemes allow **full interconnection** between inside and outside, with a 'locking' feature built into the latch. It is the vehicle manufacturer's responsibility to test and certify a fitted scheme.

Right-Side Door Illustrated



PUSH-BUTTON HANDLES - INSTALLATION SCHEMES

Handles allow fully interconnected inside and outside locking/latching, and these schemes will suit on-road passenger doors. Other items are described fully on the pages indicated.

Scheme with 'flush cases'
Items illustrated:

- A 1/23806 Outside handle, RH
- B 3/30476 Disc latch, RH
- C 3/21330 Plant-on striker
- D 1/29774 Flush-case, black, RH
- E 3/14422 Trim bezels, black
- F 9/00078 Connector rod

Scheme with 'buckle' release
Items illustrated:

- G 1/29908 'Buckle' release, chrome
- H 3/22324 Trim-bowl, black
- J 7/26668 Sill-button
- K 831398-9 Bell-crank assembly





Double-sided 'FT' keys only



1/25654 (Right-hand)
The connecting link between 'lock' and 'latch' points 'X' & 'Y' can be clearly seen.

DIECAST FLUSH 'FLAP' HANDLES

A sophisticated design, the 'Flap' handle is easy to fit and is widely used on all types of on-road vehicles. There are two modes of operation, either as a fully self-contained "freewheeling" handle, or with separate "isolated" lock and latch connection points.

ORDERING CODE

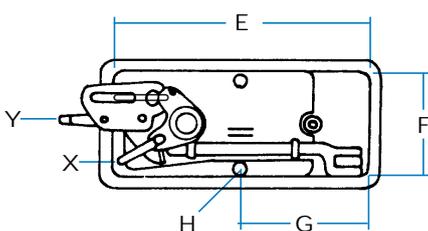
'Freewheel' handles

1/25654	Flap handle, RH, black & chrome
1/25654B	As above, all -black
1/25653	Flap handle, LH, black & chrome
1/25653B	As above, all-black
1/25673	Flap handles, pair, black & chrome
1/25673B	As above, all-black

'Isolated' handles

1/29344	Flap handle, RH, black & chrome
1/29344B	As above, all black
1/29345	Flap handle, LH, black & chrome
1/29345B	As above, all black
1/29346	Flap handles, pair, black & chrome
1/29346B	As above, all black

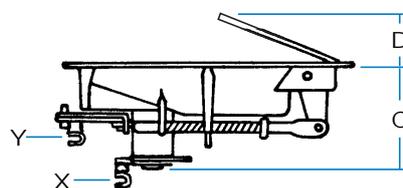
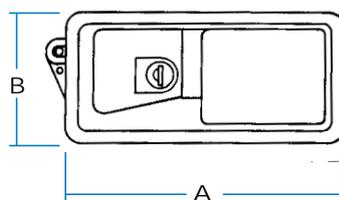
INSIDE VIEW OF HANDLE (LH)



Studs are mounted in diecast bosses to clear operating plunger. Inside rim width is 6 mm. Recommended cut-out size 57 mm x 135 mm. Gasket rim width is 8 mm.

SPECIFICATION

RIGHT-HAND HANDLE ILLUSTRATED



A Case length	145 mm
B Case width	67 mm
C Maximum depth	50 mm
D Maximum flap height	32 mm
E Inside length	133 mm
F Inside width	55 mm
G Location to studs	65 mm
H Studs	10-32 UNF x 10 mm
X Maximum travel of locking point when key is rotated	is 18 mm
Y Maximum travel of latching point when flap is lifted	is 15 mm



With "Freewheeling" model, action of the key cylinder disengages latch release via connecting link. With "isolated" model, key cylinder must be connected separately to a suitable latch.



Turn key and lift flap to rotate connection points 'X' and 'Y'. The lock cylinder has 'private lock' movement with 45° 'lost motion'.



Handle is fitted from outside into panel cut-out and is secured against two threaded studs, (nuts supplied) using 'U'-bracket or inner structural member. A moulded gasket is provided.



Double-sided 'FT' keys only.



Black case and chromium-plated flap with 'stippled' finish: alternatively, all black.



Special key numbers/sets 'Customised' keys Colour finishes (volume permitting)

INSTALLATION SCHEME - A - "AMERICAN" PRACTICE

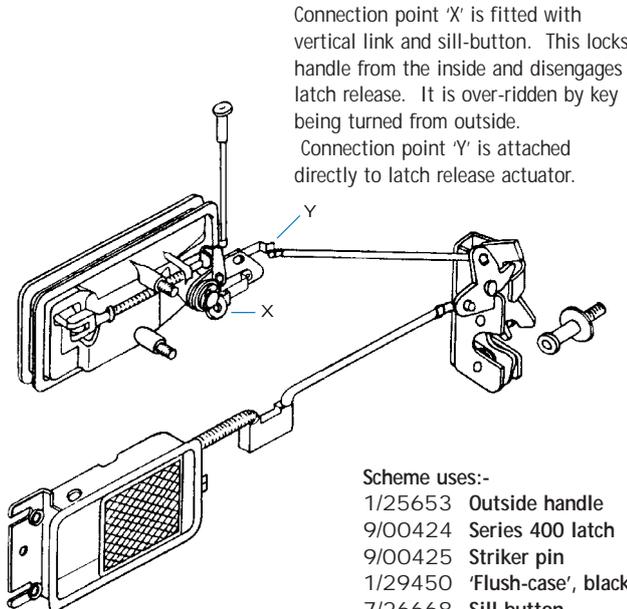
With scheme 'A', locking takes place within the outside handle, allowing a relatively simple latch to be used. This system is popular for Recreational Vehicles and small trucks.

Typical door layout using 'Freewheeling' handle with linked/latch functions.

Right-Side Door Illustrated

To achieve the correct movements, outside handles must be reverse-mounted. Thus the normal 'LH' handle is used for right-side door fitting.

Inside "Flush-case" has latch release only, with **no** safety flap. As an alternative use our "Buckle" design.



Connection point 'X' is fitted with vertical link and sill-button. This locks handle from the inside and disengages latch release. It is over-riden by key being turned from outside.
Connection point 'Y' is attached directly to latch release actuator.

Scheme uses:-

- 1/25653 Outside handle
- 9/00424 Series 400 latch
- 9/00425 Striker pin
- 1/29450 'Flush-case', black
- 7/26668 Sill button
- 3/14422 Inside trim bezels (not shown)

'FLAP' HANDLES - INSTALLATION SCHEMES

Our 'Flap' handles allow fully interconnected inside and outside locking/latching, and these schemes will suit on-road passenger doors.

The terms 'American' and 'European' practice signify only the favoured application methods. The schemes may be used anywhere! It is the vehicle manufacturer's responsibility to test and certify a fitted scheme.

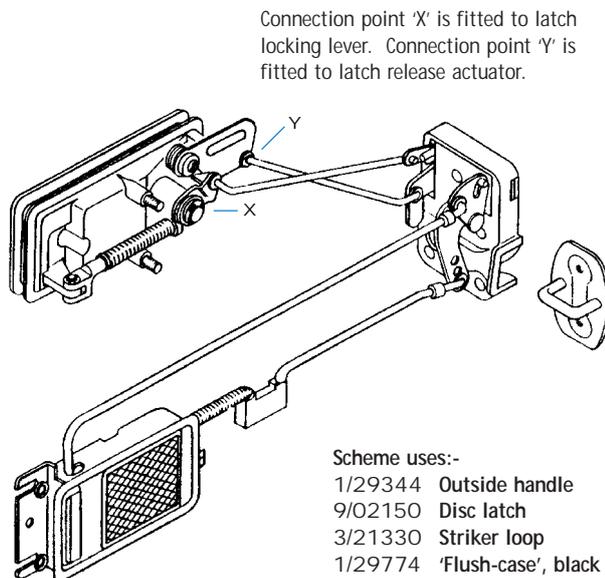
INSTALLATION SCHEME - B - "EUROPEAN" PRACTICE

In scheme 'B', locking is done through 'blocking' features within the latch. This system is used on passenger cars, light commercials, and for auxiliary doors on recovery vehicles.

Typical door layout using 'isolated' handle with separate lock/latch functions. Right - side door.

Right-Side Door Illustrated

Inside "Flush-case" has latch release **and** safety flap. Both functions are connected through the latch.



Connection point 'X' is fitted to latch locking lever. Connection point 'Y' is fitted to latch release actuator.

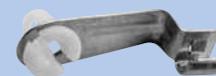
Scheme uses:-

- 1/29344 Outside handle
- 9/02150 Disc latch
- 3/21330 Striker loop
- 1/29774 'Flush-case', black
- 3/14422 Inside trim bezels (not shown)

(Note: due to recent design improvement, latch does not correspond exactly to illustration.)

SILL BUTTON & FITTINGS

7/26668
sill button
Moulded in black ABS with plain core, self-taps onto thread-rolled rod (increased to 4.2 mm diameter)



1/26869-70
Suits 5.5 mm dia.hole



9/00078

Standard rod, 3.5mm dia., zinc-plated steel, supplied in straight 1-metre lengths.



9/00593



View of underside showing threaded bosses and operating lever

ORDERING CODE

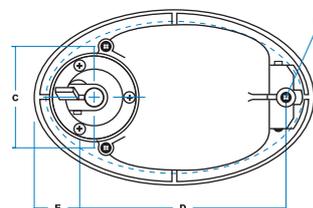
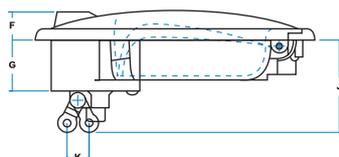
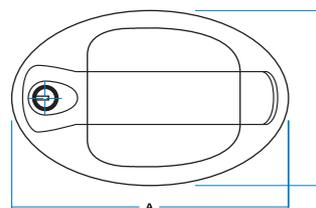
9/00593 Semi-flush handle, 'FT' locking

9/00593/01 As above, 'FT 111' keys

SPECIFICATION

A Case length	190 mm
B Case width	120 mm
C Fixing centres	70 mm
D Fixing centres	122 mm
E Location	48 mm
F Max. height (closed)	20 mm
G Max depth (body)	35 mm
H Hole sizes	M5 x 10 mm
J Depth to actuator	63 mm
K Travel of actuator	15 mm

Note: Actuator arm can be rotated through 360°
Panel cut-out; ellipse 174 x 104 mm
Request drawing of panel-piercing if required.



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SEMI-FLUSH 'PULL' HANDLE

This is an attractive, self-contained 'automotive'-style handle and recess 'dish' which is ideal for specialist vehicle applications. The handle lifts to operate an actuating lever, normally connected by wire-link to a remote latch, and the unit is easily fitted into a simple panel cut-out.

-  Smart, strong, and weather-resistant, with attractive finish in self-coloured (black) composite material.
-  Handle stem pulls out to 30mm (max), but both ends are always secured within base. Key turns 180° to block operation.
-  Insert from front into panel cut-out, secure into three threaded bosses. A foam gasket is supplied.
-  'FT' keys only, non-locking model available.
-  Black, self-coloured, with fine-textured finish.
-  Moulded in Nylon-6 throughout.
-  Series 400 latch or similar.