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Data Sheet DS102  
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# Briton

1100 Series Overhead Door Closers



1100 Series Overhead Door Closers

The Briton 1100 Series is a fully suited, comprehensive series of 'mid-range' trimplate closers. This series of closers, in three body sizes and three cover options, offers a uniform appearance across a broad range of applications, all sharing the characteristics of quality, performance and reliability associated with a Briton door closer.

The Series now includes a heavy duty track arm variant, the Briton 1130B.T

Designed to and fully compliant with EN 1154 and 'best practice' codes for performance, reliability and safety



Available with snap joint arm for quick and easy installation and future maintenance.

Trimplate only variations are supplied with screw thread armset manufactured from forged steel for additional strength and durability.

Versions with all-over cover are supplied with flat form armset as standard



Optional hold open armset allows the door to be held in the open position for convenience (**not to be used on fire door applications**)

Supplied with Tri-pack armset suitable for Fig.1, Fig.61, and Fig.66 applications (see page 14 for details)

All-over cover option to conceal all fixings and adjustment screws providing a neat appearance and reducing the risk of vandalism and tampering

High quality silicon chrome alloy steel used for the coil spring

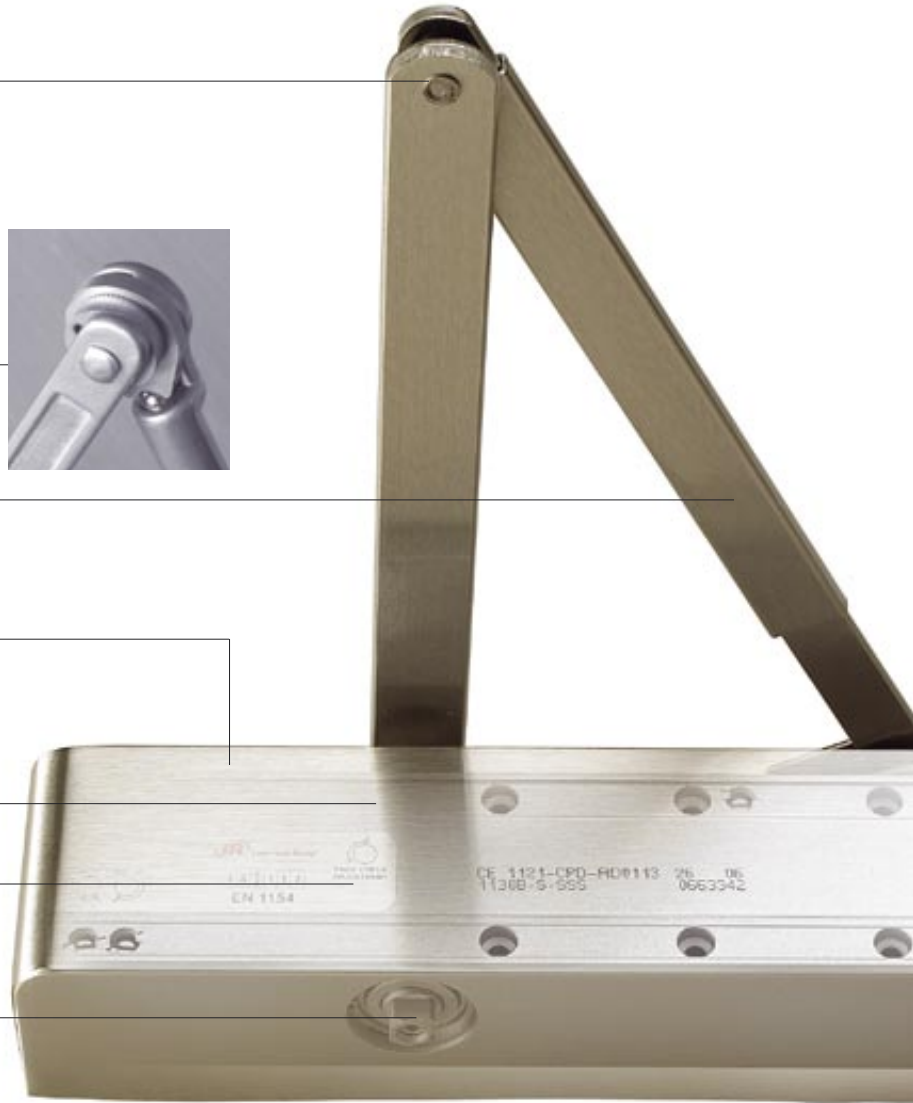
High quality hydraulic fluid for optimum performance and long life with temperature compensation from -15°C to +40°C

Precision needle roller bearings allied with rack and pinion mechanism provides efficient operation and high levels of durability

Trimplate option (supplied with screw thread armset) is a simple and cost effective means of concealing fixing and adjustment screws reducing the risk of vandalism and tampering

Separate latch action and closing speed adjustment provides total accuracy of adjustment of the full closing cycle.

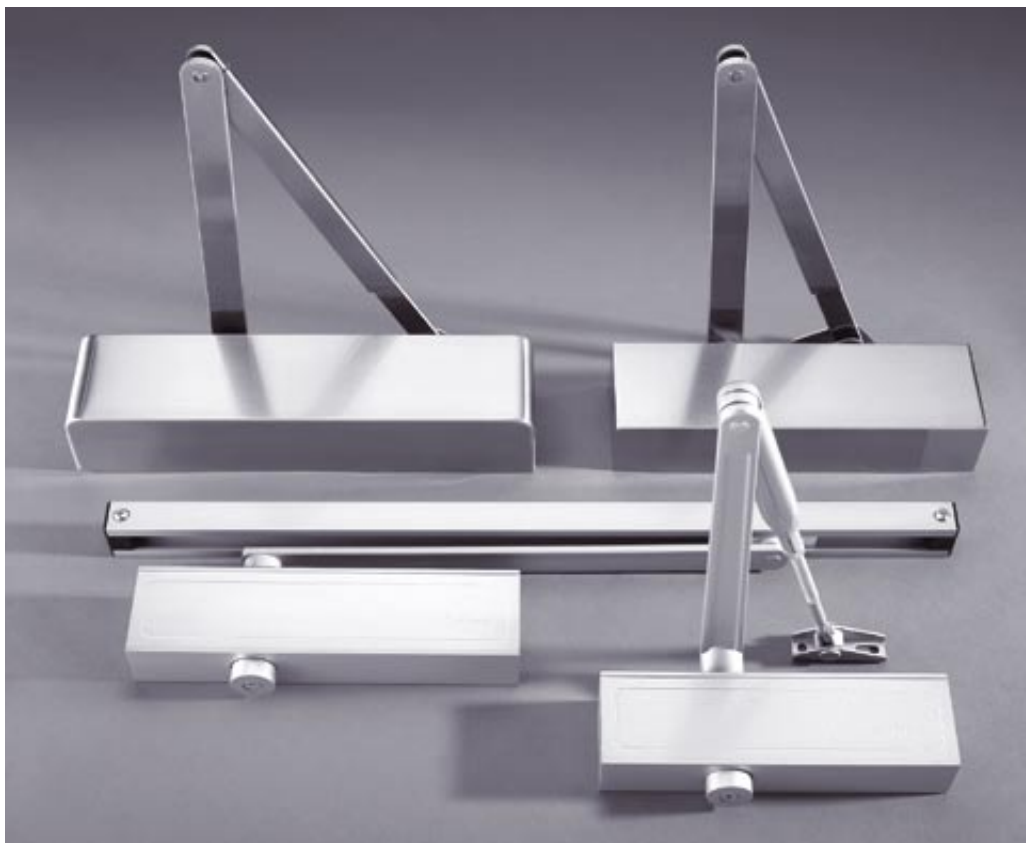
Adjustable strength backcheck (1120B & 1130B) minimises the risk of damage to the door, its hardware and the surrounding structure



# Briton 1100 Series

From top left - Clockwise  
 Briton 1130B with 'S' cover,  
 Briton 1110 with 'C' cover  
 Briton 1110.SES and Briton  
 1130B.T.SES trimplate  
 closers.

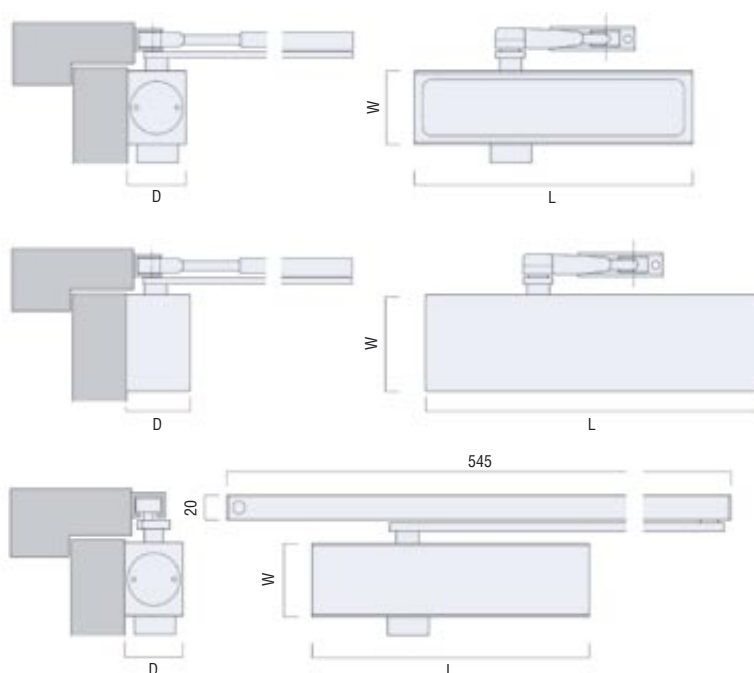
Below, architectural finishes  
 are available for Briton 1100  
 Series 'C' and 'S' covers with  
 matching armset.



## Finish Options

The Briton 1100 Series is available as standard with trimplate in a silver or gold sprayed finish with matching arms and bracket (or slide track). The silver sprayed trimplate versions are also available with a black armset.

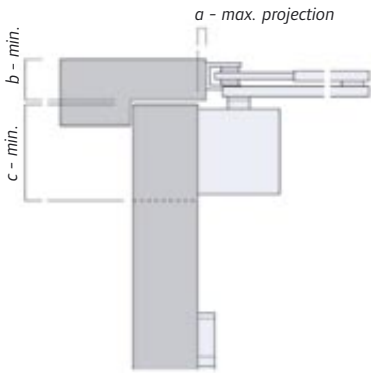
The Briton 1100 Series is also available with either the *Rounded 'S'* or *Classic 'C'* all-over cover with flatform armset in a range of high quality metallic finishes. Please contact Ingersoll Rand Security Technologies for further details.



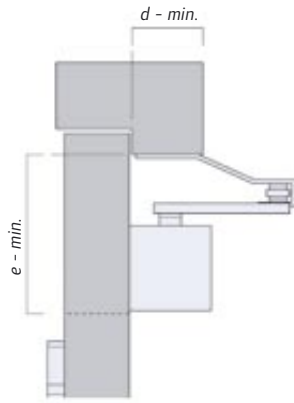
Dimensions (mm)		1110 1110.T	1120	1130B 1130B.T
Trimplate	length (L)	207	236	297
	width (W)	60	60	60
	depth (D)	38.5	38.5	48
'All-over' cover	length (L)	245	245	307
	width (W)	72	72	72
	depth (D)	50	50	60

The following illustrations show the dimensional requirements for each individual door closer in the standard applications and track arm applications. All dimensions are in mm.

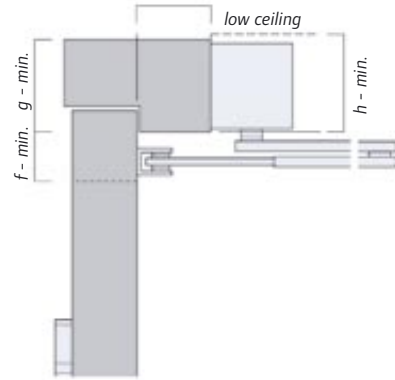
## Projecting Arm Applications



**Application 1**  
closer fixed to 'pull' side of door



**Application 66**  
closer fixed to 'push' side of door

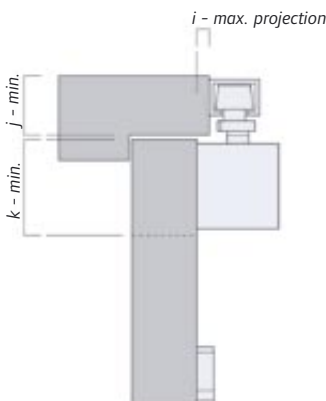


**Application 61**  
closer fixed to transom on 'push side'

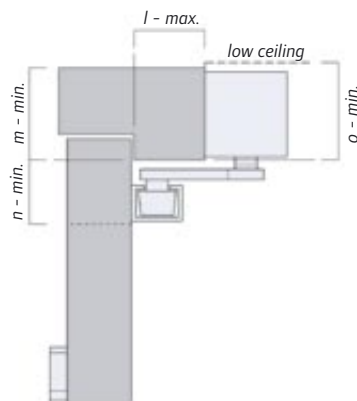
closer reference	application 1			application 66		application 61		
	a	b	c	d	e	f	g	h
<b>Briton 1110, 1120B</b>	10	30(30)	80	44	110(123)	30(43)	68	78
<b>Briton 1130B</b>	10	35(35)	80	44	110(123)	30(43)	75	75

note: figures in brackets are dimensional variations when used with hold open armsets

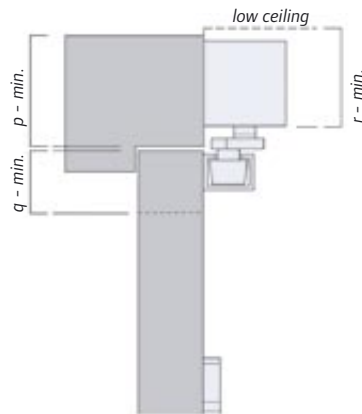
## Track Arm Applications



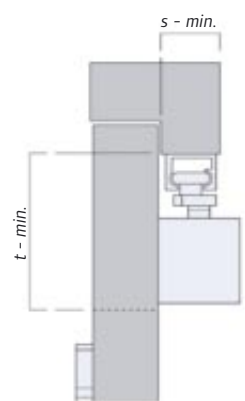
**Application 30 (A)**  
closer fixed to 'pull' side of door



**Application 30 (B)**  
transom mounted on 'push' side of door



**Application 30 (C)**  
transom mounted on 'pull' side of door



**Application 30 (D)**  
closer mounted on 'push' side of door

closer reference	application 30 (A)			application 30 (B)				application 30 (C)			app'n 30 (D)	
	i	j	k	l	m	n	o	p	q	r	s	t
<b>Briton 1110.T</b>	3	40	77	50	75	50	75	95	25	95	35	120
<b>Briton 1130B.T</b>	3	40	77	50	75	50	75	95	25	95	35	120

		product references				
closer size	max. door size width - weight	1110	1110.T	1120B	1130B	1130B.T
1	750mm - 20kg					
2	850mm - 40kg	●		●	●	●
3	950mm - 60kg	●	●	●	●	●
4	1100mm - 80kg	●		●	●	●
5	1250mm - 100kg				●	
6	1400mm - 120kg				●	
main features		1110	1110.T	1120B	1130B	1130B.T
CE Marked		●	●	●	●	●
Body size		small	small	medium	large	large
Fixed power or adjustable		adjustable	fixed	adjustable	adjustable	adjustable
Power adjustment method		template	n/a	wind thru	wind thru	wind thru
Angle of opening		180°	180°	180°	180°	180°
Separate latch action/closing speed		●	●	●	●	●
Adjustable backcheck				●	●	●
Manual hold open option		●		●	●	
Non projecting slide track variant			●			●
Matching track and/or arm finish		●	●	●	●	●
Tri-pack for Fig.1, Fig.61 & Fig.66		●		●	●	
Non handed, for LH or RH applications		●	●	●	●	●
Trimplate with matching arms		1110.xx	1110.T.xx	1120B.xx	1130B.xx	1130B.T.xx
Trimplate with black arms		1110.SE	-	1120B.SE	1130B.SE	-
All over cover with matching arms		1110.C.xx	1110.T.C.xx	1120B.C.xx	1130B.C.xx	1130B.T.C.xx



Briton 1130B.T with Classic (C) cover in satin stainless steel with matching slide track and Briton 1110T (below) with 'S' cover in satin stainless steel.

**CE** The Briton 1100 Series door closers are successfully type tested and independently certified for conformity to all the requirements of EN 1154. They are marked with the CE mark and coded as shown opposite (figures in brackets indicate the range of codings where the higher numbers indicate a higher rating). CE marking applies to closers used in Fig.1 and Fig.61 applications. For all other applications, including Fig.66, please call our Technical Services Department on **0800 834 102**

EN classifications range shown in brackets

	(3/4)	(8)	(1-7)	(0/1)	(1)	(0/4)
1110	3	8	2-4	1	1	3
1110.T	4	8	3	1	1	3
1120B	4	8	2-4	1	1	3
1130B	4	8	2-6	1	1	3
1130B.T	4	8	2-4	1	1	3

**PLEASE NOTE, The following items are NOT CE marked:**  
**Hold-Open armsets**

Product specification may be subject to change without notice.



*Ingersoll Rand's Security Technologies sector is a leading global provider of products and services that make environments safe, secure and productive. The sector's market-leading products include electronic and biometric access control systems; time and attendance and personnel scheduling systems; mechanical locks and portable security, door closers and exit devices, steel doorsets and automated openings, architectural hardware and technologies and services for global security markets.*

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*Whilst In  
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*Ingersoll Rand retains the right to amend the technical specification of any range of equipment shown, without prior notice.*