

Back check TBR series

with adjustable damping force



Video



Website

CHARACTERISTICS

- Dampen doors when opening speed is too fast
- Damping force can be adjusted exactly to the requirements directly on site
- Particularly suitable for high loads or for applications in which the load cannot be determined accurately enough
- Optionally available with integrated mechanical stop
- Can be used together with an overhead door closer

MODELS AND ACCESSORIES

- **Selection criteria:** The TB back checks are available in different versions depending on the door weight, door leaf width and installation situation. The diagram in the section 'selection criteria' provides orientation for selecting the appropriate model
- **Models:** The available standard types are listed in the 'models & dimensions' section
- **Finish:** Cylinder in RAL 9006 satin as standard (see 'Finish' for more colors)
- **Components included:** By default, back checks are always supplied with an eyelet, both on piston rod and cylinder
- **Accessories-sets:** Information on the various accessories-sets can be found under 'Standard-sets'



FINISH

- Standard color cylinder



White aluminium

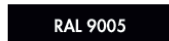
- Preferential colors cylinder: inexpensive and fast lead times available for the following colors



Window grey



Anthrazite grey



Jet black



Grey aluminium



Traffic white

- Custom colors: other RAL colors are available upon request.

TECHNICAL DATA

Material	Piston rod hard chromed; piston rod AISI 304; piston rod AISI 316; cylinder steel painted RAL 9006 satin (end fittings and fixing accessories zinc-plated); cylinder AISI 304; cylinder AISI 316
Further colors for the cylinder	On demand the cylinder can be supplied also in other RAL-colors. We offer some colors that - compared to other colors - are available for a small additional cost and within a relatively short lead time. These colors are: RAL 7040, 7016, 9005, 9007, 9016 (all satin finish)
Door weight	max. 200 kg, heavier doors upon request
Opening angle	max. 120°, see information at the different types
Additional options	hold-open

INSTALLATION

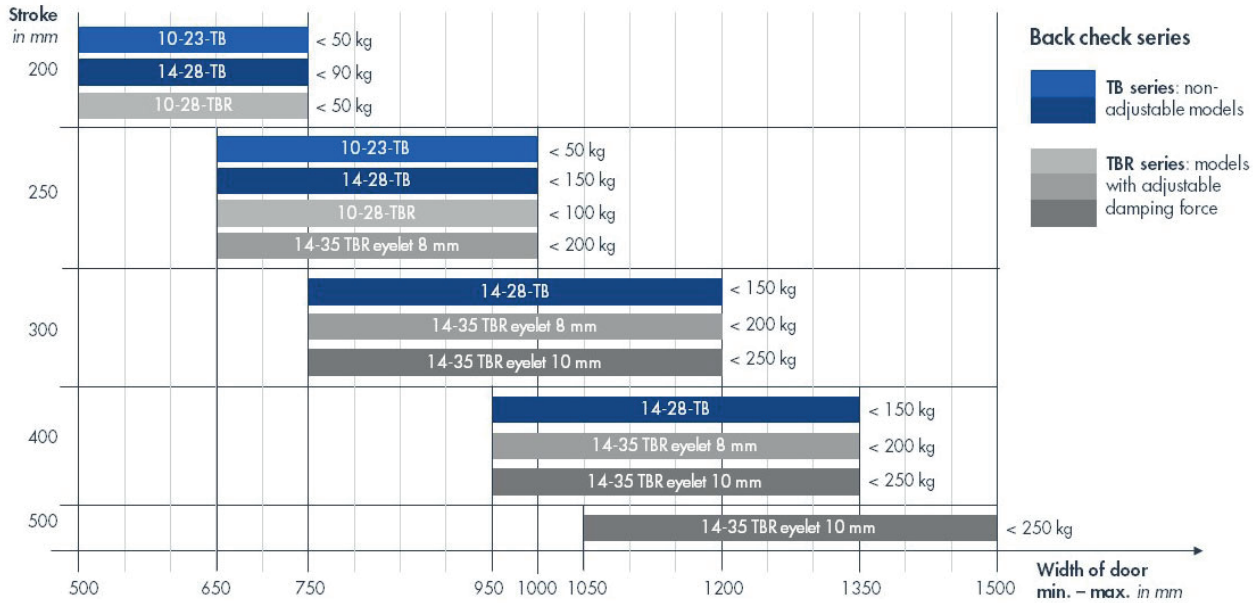


Installation instructions

SELECTION CRITERIA

Back check selection guide

Note: The following diagram serves only as a rough guide. In addition to the door leaf width and weight, in every individual case other factors must be taken into account. Please contact our customer advisory service.

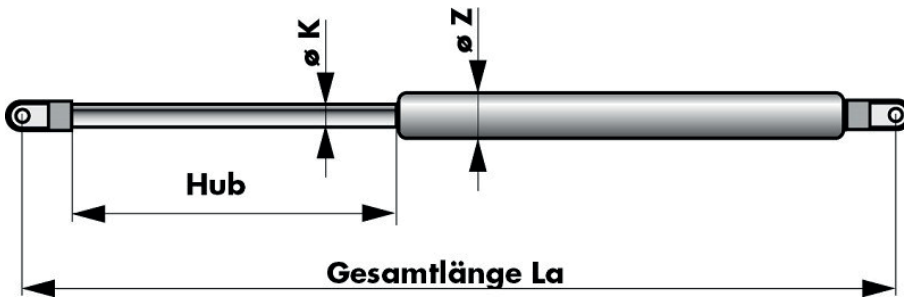


MODELS & DIMENSIONS

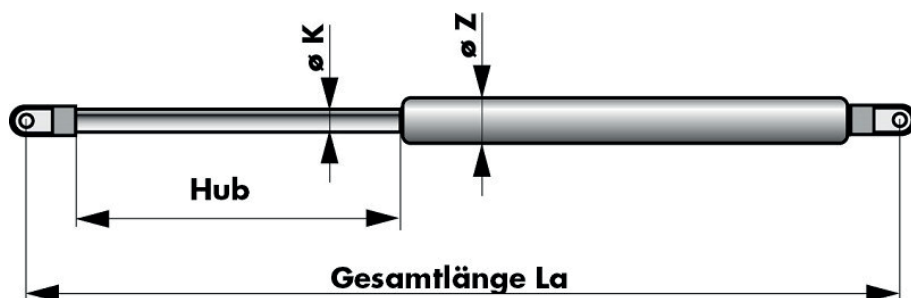
Back checks are essentially defined by the diameter of the piston K, the cylinder Z, the stroke (= Hub) and their total length La (= Gesamtlänge La).



Questionnaire



The following table shows the available standard types. The door weight in the table just is for orientation. It may not be used as only selection criteria. In order to achieve the optimal function, you should get in contact with our technical advisory service. We do need only few information and dimensions – just fill in our questionnaire as far as you can. With this information we will determine the correct back check, calculate – of course free of charge – the corresponding fixing points and recommend the accessories to be used.



Selection criteria							
Series 10-28: ø K: 10; ø Z: 28					Part no.		
Stroke (mm)	Length (mm)	Opening angle	Stop	Eyelet size (mm)	Steel painted RAL 9006	AISI 304	AISI 316
200	550	95°	no	ø 8	302200-2	302202	302203
250	600	120°	no	ø 8	302204-2	302205	302206
Series 14-35: ø K: 14; ø Z: 35					Part no.		
Stroke (mm)	Length (mm)	Opening angle	Stop	Eyelet size (mm)	Steel painted RAL 9006	AISI 304	AISI 316
250	650	120°	no	ø 8	302210-2	302213	302215
250	650	120°	no	ø 10	302211-2	302214	302216
250	650	120°	yes	ø 8	302212-2	302238	-
300	750	120°	no	ø 8	302217-2	302220	302222
300	750	120°	no	ø 10	302218-2	302221	302223
300	750	120°	yes	ø 8	302219-2	302239	-
400	950	120°	no	ø 8	302224-2	302230	302232
400	950	120°	no	ø 10	302225-2	302231	302233
400	950	120°	yes	ø 8	302226-2	-	-
400	950	120°	yes	ø 10	302227-2	-	-
500	1150	120°	no	ø 10	302234-2	-	-
500	1150	120°	yes	ø 10	302235-2	-	-

Of course we also produce back checks with other dimensions if none of the standard types suit your application. Our technical advisory service will gladly assist you in choosing and determining the mounting positions.

STANDARD SETS

Steel painted RAL 9006

ø K (mm)	ø Z (mm)	Hub (mm)	Length (mm)	Accessories set	Part no. without hold-open	Part no. with hold-open
10	28	250	600	1	300975-2	-
10	28	250	600	2	300976-2	-
10	28	250	600	3	300977-2	-

Stainless steel

ø K (mm)	ø Z (mm)	Stroke (mm)	Length (mm)	Accessories set	Part no. without hold-open	Part no. with hold-open
10	28	250	600	1	300999	-
10	28	250	600	2	300980	-
10	28	250	600	3	301903	-

These two tables show an overview about the available sets. Each consists of a back check with the appropriate fixing accessories. For detailed information about the fixing accessories, please see Installation accessories. The dimensions of the fixing eyelets can also be found there.

Of course any back check can be furnished with the corresponding fixing accessories. For the back checks in AISI 316 not all mounting brackets are available. Should you have any questions, please, contact us.