

## Overview - TET/TEE, TEBT/TEBEB Models

The TET and TEE are gas springs with ears for attachment. The TET has an ear at the bottom of the tube and an attachment thread in the top of the piston rod. The TEE has ears at both ends of the spring.



The TEBT and TEBEB are gas springs with ears, containing bearings, for attachment. The TEBT has an ear (with bearing) at the bottom of the tube, an attachment thread in the top of the piston rod. The TEBEB has ears (with bearings) at both ends of the spring.



# Counter balance gas springs

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**TET and TEE 750-3000**



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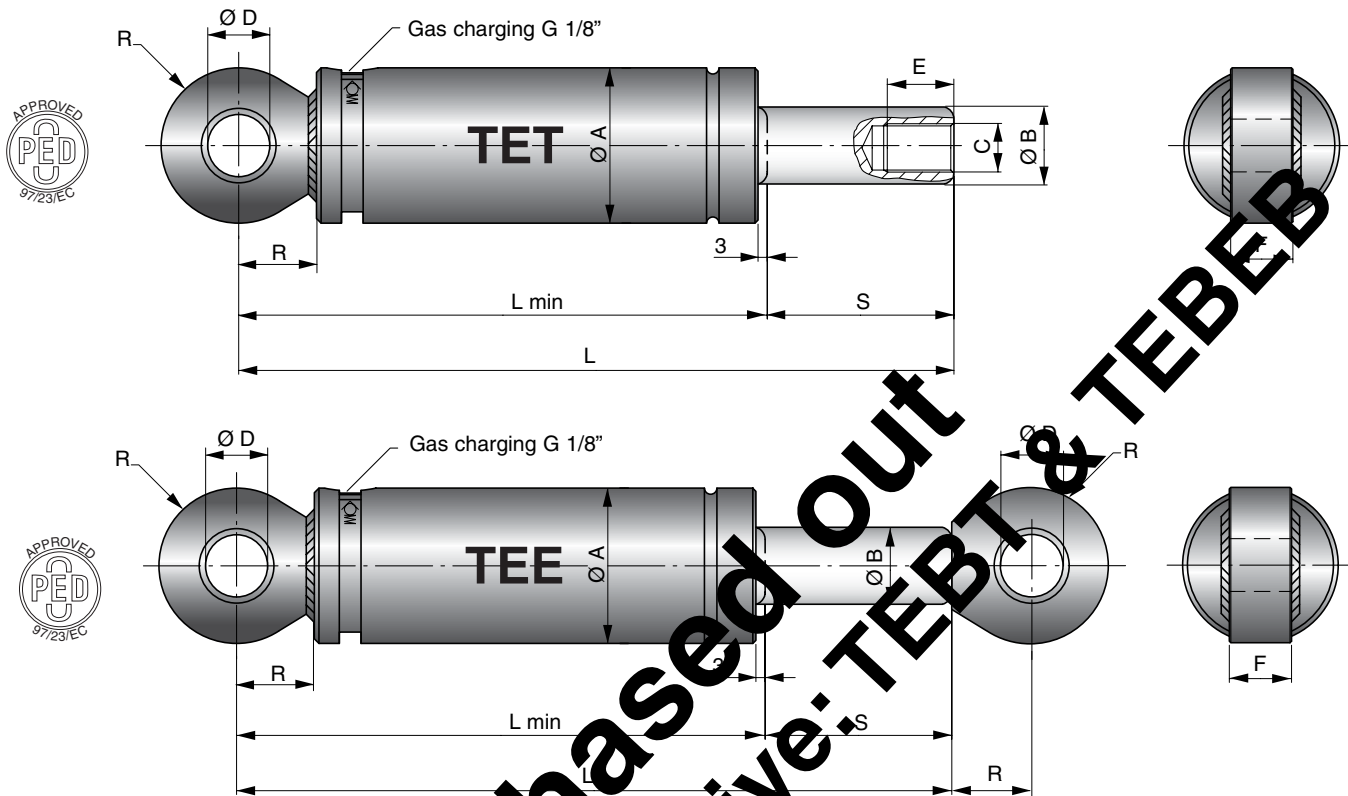
**TEBT and TEBEB 750-5000**



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# TET and TEE 750-3000



The TET and TEE are gas springs with ears for attachment. The TET has an ear at the bottom of the tube and an attachment thread in the top of the piston rod. The TEE has ears at both ends of the spring.

If the axels will rotate in the ears we recommend using the TEBT/TEBEB instead.

As standard the springs are only for in-door use. If the springs are to be used outdoors, please contact your distributor for further information.

Note! The gas springs should not be exposed to any pulling forces. If needed a mechanical stop must be installed to prevent this from happening.

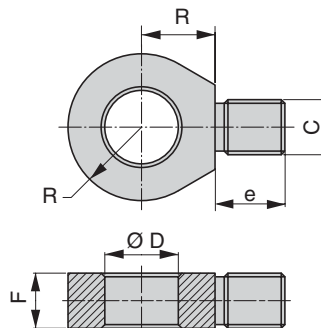
Being phased out  
Recommended alternative: TEBT & TEBEB

## BASIC INFORMATION

- For general information see "about gas springs", 2.1
- Pressure medium ..... Nitrogen
- Max. charging pressure ..... 150 bar
- Min. charging pressure ..... 25 bar
- Operating temperature ..... + 20 to +80°C
- Force increase by temperature ..... ±0.3%/°C
- Recommended max strokes/min ..... ~ 15-40 (at 20°C)
- Max piston rod velocity ..... 1.6 m/s
- Rod surface ..... Nitrided
- Tube surface ..... Black oxide
- Repair kits
- \* 750 new version ..... 3019817
- 750 old version ..... 2014068-01
- \* 1500 new version ..... 3019816
- 1500 old version ..... 2014068-02
- \* 3000 new version ..... 3019025
- 3000 old version ..... 2014068-03

\*New version is identified by circular rings on the top of tube, guide and rod.

## DIMENSION ATTACHMENT E



For size	Order No.	C	Ø D	e	F	R
750	E-750	M16 x 1.5	20	20	20	25
1500	E-1500	M24 x 2	35	30	25	35
3000	E-3000	M30 x 2	40	38	30	40

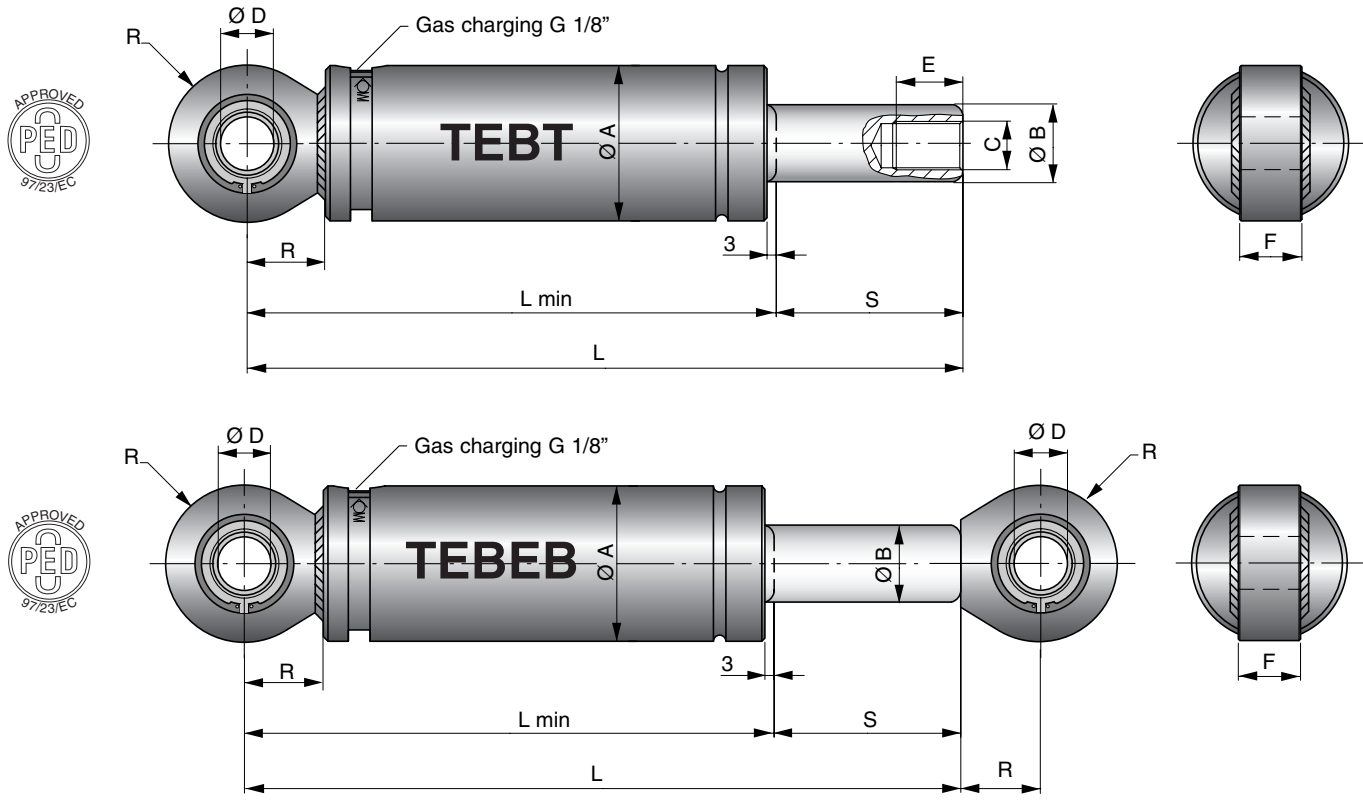
# KALLER® TET and TEE 750-3000

Order No.	S Stroke	Force in N at 150 bar/+20°C		L ± 0.5	L min	Ø A ± 0.1	Ø B	C	Ø D	E	F	R	Gas vol. (l)	TET Weight (kg)	TEE Weight (kg)
		Initial	End force*												
TET/TEE 750-013	12.7	7400	12000	145.4	132.7	50.2	25	M16x1.5	20	22	20	25	0.03	1.57	1.87
TET/TEE 750-025	25		12000	170	145								0.04	1.72	2.02
TET/TEE 750-038	38.1		12000	196.2	158.1								0.06	1.77	2.07
TET/TEE 750-050	50		12000	220	170								0.07	1.77	2.27
TET/TEE 750-064	63.5		12000	247	183.5								0.09	2.02	2.32
TET/TEE 750-080	80		12000	280	200								0.11	2.22	2.52
TET/TEE 750-100	100		12000	320	220								0.13	2.42	2.72
TET/TEE 750-125	125		12100	370	245								0.17	2.67	2.97
TET/TEE 750-160	160		12100	440	280								0.21	2.97	3.27
TET/TEE 750-200	200		12100	520	320								0.26	3.37	3.67
TET/TEE 750-250	250		12100	620	370								0.33	3.87	4.17
TET/TEE 750-300	300		12100	720	420								0.39	4.37	4.67
TET/TEE 1500-025	25	15000	23000	195	170	50.2	36	M24x2	35	32	25	35	0.10	3.97	4.61
TET/TEE 1500-038	38.1		23000	221.1	183.1								0.15	4.21	4.85
TET/TEE 1500-050	50		23000	245	195								0.18	4.44	5.08
TET/TEE 1500-064	63.5		23000	272	208.5								0.22	4.70	5.34
TET/TEE 1500-080	80		23000	305	225								0.28	5.01	5.65
TET/TEE 1500-100	100		23000	345	245								0.34	5.39	6.03
TET/TEE 1500-125	125		23000	395	270								0.42	5.87	6.51
TET/TEE 1500-160	160		23000	460	315								0.53	6.58	7.22
TET/TEE 1500-200	200		23000	545	345								0.68	7.34	7.98
TET/TEE 1500-250	250		23000	645	395								0.81	8.29	8.93
TET/TEE 1500-300	300		23000	745	445								0.96	9.24	9.88
TET/TEE 3000-025	25	30000	43000	210	185	95.2	50	M30x2	40	40	30	40	0.20	7.18	8.28
TET/TEE 3000-038	38.1		43000	236.2	195								0.26	7.69	8.79
TET/TEE 3000-050	50		43000	260	210								0.32	8.15	9.25
TET/TEE 3000-064	63.5		45000	290	223.5								0.38	8.68	9.78
TET/TEE 3000-080	80		46000	320	240								0.46	9.32	10.42
TET/TEE 3000-100	100		47000	360	260								0.56	10.10	11.20
TET/TEE 3000-125	125		47000	410	285								0.69	11.07	12.17
TET/TEE 3000-160	160		47000	480	320								0.87	12.42	13.52
TET/TEE 3000-200	200		48000	560	360								1.07	13.98	15.08
TET/TEE 3000-250	250		48000	660	410								1.32	15.92	17.02
TET/TEE 3000-300	300		48000	760	460								1.57	17.86	18.96

\* = at full stroke

Being phased out  
recommended alternative: TEBT & TEBEB

# TEBT and TEBEB 750-5000 **KALLER®**



The TEBT and TEBEB are gas springs with ears containing bearings for attachment. The TEBT has an ear (with bearing) at the bottom of the tube and attachment thread in the top of the piston rod. The TEBEB has ears (with bearings) at both ends of the spring.

As standard the springs are only for indoor use. If the springs are to be used outdoors, please contact your distributor for further information.

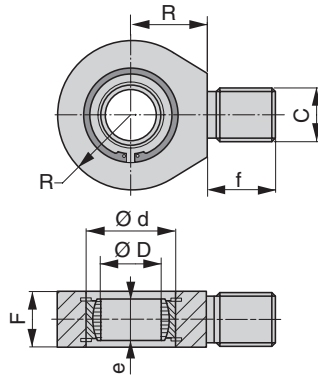
Note! The gas springs are not to be exposed to any pulling forces. If needed a mechanical stop must be installed to prevent this from happening.

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## BASIC INFORMATION

For general information see "About gas springs", 2.1  
 Pressure medium ..... Nitrogen  
 Max. charging pressure ..... 150 bar  
 Min. charging pressure ..... 25 bar  
 Operating temperature ..... + 20 to +80°C  
 Force increase by temperature ..... ±0.3%/°C  
 Recommended max strokes/min ..... ~ 15-40 (at 20°C)  
 Max piston rod velocity ..... 1.6 m/s  
 Rod surface ..... Nitrided  
 Tube surface ..... Black oxide  
 Repair kits  
 \* 750 new version ..... 3019817  
 750 old version ..... 2014068-01  
 \* 1500 new version ..... 3019816  
 1500 old version ..... 2014068-02  
 \* 3000 new version ..... 3019025  
 3000 old version ..... 2014068-03  
 \* 5000 new version ..... 3018876  
 5000 old version ..... 2014068-04  
 \*New version is identified by circular rings on the top of tube, guide and rod.

## DIMENSION ATTACHMENT EB



For size	Order No.	c	Ø D	Ø d	e	F	f	R
750	EB-750	M16 x 1.5	17	30	14	20	20	25
1500	EB-1500	M24 x 2	25	42	20	25	30	35
3000	EB-3000	M30 x 2	30	47	22	30	38	40
5000	EB-5000	M36 x 2	45	68	32	40	40	55

**KALLER**<sup>®</sup>**TEBT and TEBEB 750-5000**

Order No.	S Stroke	Force in N at 150 bar/+20°C		L ± 0.5	L min	Ø A ± 0.1	Ø B	C	Ø D	E	F	R	Gas vol. (l)	TEBT Weight (kg)	TEBEB Weight (kg)
		Initial	End force*												
TEBT/TEBEB 750-013	12.7	7400	12000	145.4	132.7	50.2	25	M16x1.5	17	22	20	25	0.03	1.54	1.80
TEBT/TEBEB 750-025	25		12000	170	145								0.04	1.69	1.95
TEBT/TEBEB 750-038	38.1		12000	196.2	158.1								0.06	1.74	2.00
TEBT/TEBEB 750-050	50		12000	220	170								0.07	1.94	2.20
TEBT/TEBEB 750-064	63.5		12000	247	183.5								0.09	1.99	2.25
TEBT/TEBEB 750-080	80		12000	280	200								0.11	2.19	2.45
TEBT/TEBEB 750-100	100		12000	320	220								0.14	2.39	2.65
TEBT/TEBEB 750-125	125		12100	370	245								0.17	2.64	2.90
TEBT/TEBEB 750-160	160		12100	440	280								0.21	2.94	3.20
TEBT/TEBEB 750-200	200		12100	520	320								0.26	3.34	3.60
TEBT/TEBEB 750-250	250		12100	620	370								0.33	3.84	4.10
TEBT/TEBEB 750-300	300		12100	720	420								0.39	4.34	4.60

TEBT/TEBEB 1500-025	25	15000	23000	195	170	75.2	36	M24x2	25	32	25	35	0.10	3.98	4.64
TEBT/TEBEB 1500-038	38.1		23000	221.1	183.1								0.15	4.22	4.88
TEBT/TEBEB 1500-050	50		23000	245	195								0.18	4.45	5.11
TEBT/TEBEB 1500-064	63.5		23000	272	208.5								0.22	4.71	5.37
TEBT/TEBEB 1500-080	80		23000	305	225								0.28	5.02	5.68
TEBT/TEBEB 1500-100	100		23000	345	245								0.34	5.40	6.06
TEBT/TEBEB 1500-125	125		23000	395	270								0.42	5.88	6.54
TEBT/TEBEB 1500-160	160		23000	465	305								0.53	6.59	7.25
TEBT/TEBEB 1500-200	200		23000	545	345								0.68	7.35	8.01
TEBT/TEBEB 1500-250	250		23000	645	395								0.81	8.30	8.96
TEBT/TEBEB 1500-300	300		23000	745	445								0.96	9.25	9.91

TEBT/TEBEB 3000-025	25	30000	42000	210	185	95.2	50	M30x2	30	40	30	40	0.20	7.37	8.63
TEBT/TEBEB 3000-038	38.1		43000	236.2	198.1								0.26	7.88	9.14
TEBT/TEBEB 3000-050	50		44000	260	210								0.32	8.34	9.60
TEBT/TEBEB 3000-064	63.5		45000	287	223.5								0.38	8.87	10.13
TEBT/TEBEB 3000-080	80		46000	320	240								0.46	9.51	10.77
TEBT/TEBEB 3000-100	100		47000	360	260								0.56	10.29	11.55
TEBT/TEBEB 3000-125	125		47000	410	285								0.69	11.26	12.52
TEBT/TEBEB 3000-160	160		47000	480	320								0.87	12.61	13.87
TEBT/TEBEB 3000-200	200		48000	560	360								1.07	14.17	15.43
TEBT/TEBEB 3000-250	250		48000	660	410								1.32	16.11	17.37
TEBT/TEBEB 3000-300	300		48000	760	460								1.57	18.05	19.31

TEBT/TEBEB 5000-025	25	50000	71000	245	220	120.1	65	M36x2	45	43	40	55	0.32	14.81	17.51
TEBT/TEBEB 5000-038	38.1		75000	271.2	233.1								0.42	15.51	18.21
TEBT/TEBEB 5000-050	50		77000	295	245								0.51	16.14	18.84
TEBT/TEBEB 5000-064	63.5		80000	322	258.5								0.60	16.86	19.56
TEBT/TEBEB 5000-080	80		81000	355	275								0.73	17.73	20.43
TEBT/TEBEB 5000-100	100		82000	395	295								0.89	18.80	21.50
TEBT/TEBEB 5000-125	125		82000	445	320								1.09	20.13	22.83
TEBT/TEBEB 5000-160	160		83000	515	355								1.36	21.99	24.69
TEBT/TEBEB 5000-200	200		84000	595	395								1.68	24.11	26.81
TEBT/TEBEB 5000-250	250		84000	695	445								2.07	26.77	29.47
TEBT/TEBEB 5000-300	300		84000	795	495								2.46	29.43	32.13

\* = at full stroke

We reserve the right to add, delete or modify components without notification.

All dimensions are stated in mm.  
All dimensions are nominal unless tolerance is stated.**KALLER**<sup>®</sup>  
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