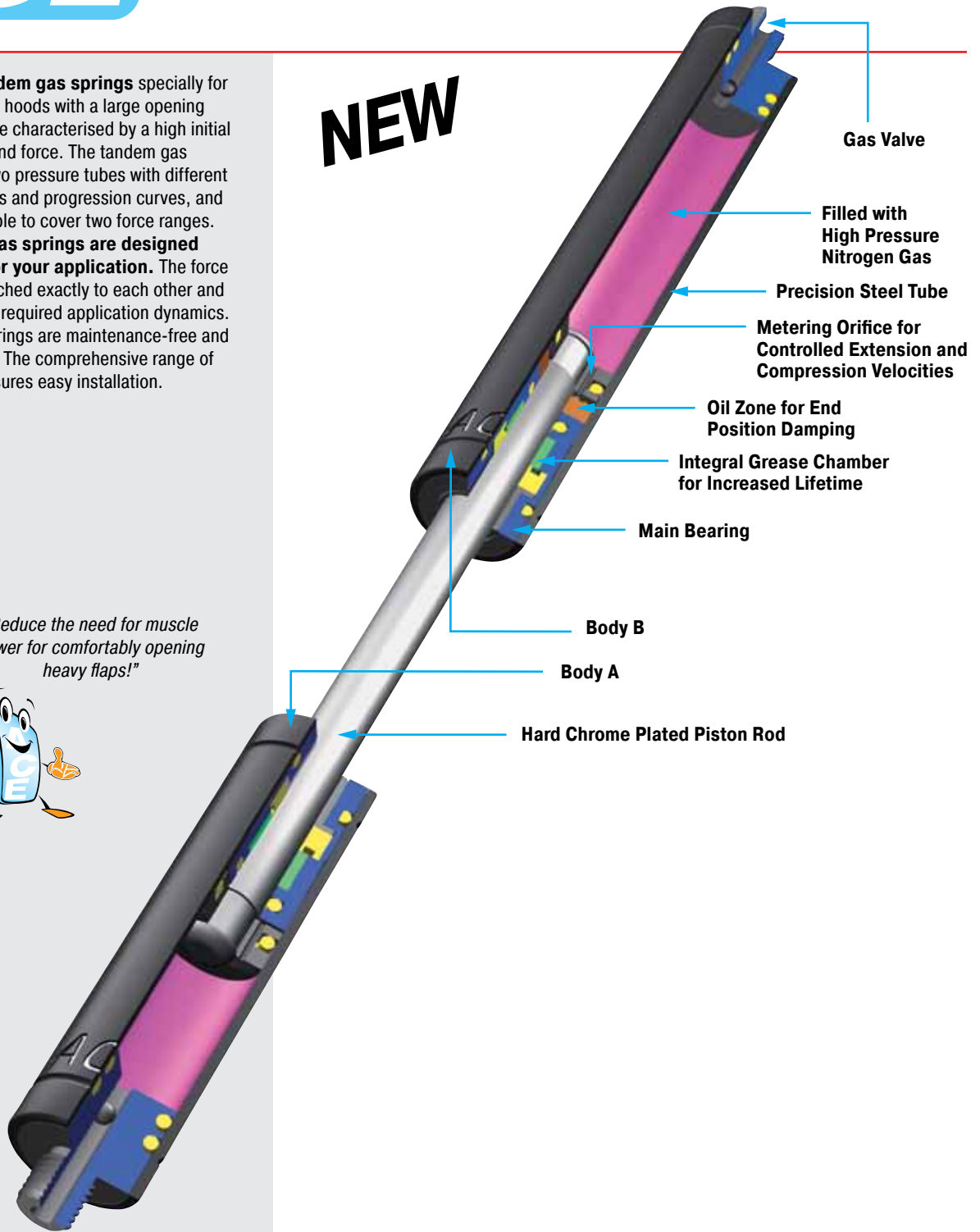


ACE offers **tandem gas springs** specially for heavy flaps and hoods with a large opening angle. These are characterised by a high initial force and low end force. The tandem gas springs have two pressure tubes with different extension forces and progression curves, and are therefore able to cover two force ranges. **The tandem gas springs are designed specifically for your application.** The force ranges are matched exactly to each other and adjusted to the required application dynamics. Tandem gas springs are maintenance-free and ready to install. The comprehensive range of fitting parts ensures easy installation.

"Reduce the need for muscle power for comfortably opening heavy flaps!"



NEW



Operating fluid: Nitrogen gas and oil

Material: Piston rod: Hard chrome plated steel. Bodies and end fittings: Zinc plated steel.

Mounting: According to calculation. Please adopt the mounting points determined by ACE.

Operating temperature range: -20 °C to 80 °C

On request: Material 1.4301/1.4305, AISI 304/303 (V2A) and material 1.4404/1.4571, AISI 316L/316Ti (V4A).

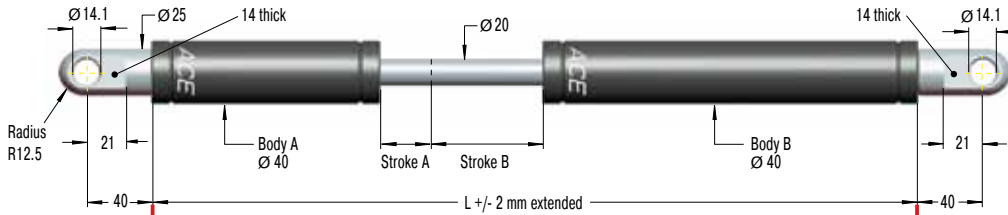


End Fitting

Standard Dimensions

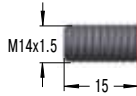
End Fitting

A14



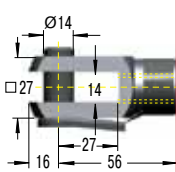
Eye A14
max. force 10 000 N

B14



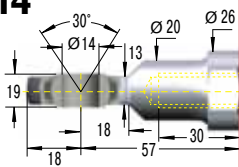
Stud Thread B14

D14



Clevis Fork D14
max. force 10 000 N

E14



Swivel Eye E14
max. force 10 000 N

Dimensions

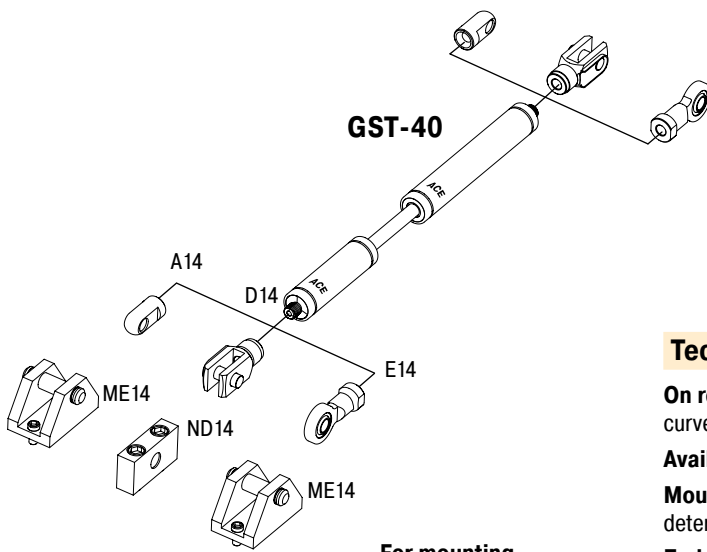
Type	Stroke A mm	Stroke B mm	L extended
GST-40-50-100	50	100	485
GST-40-50-150	50	150	585
GST-40-50-200	50	200	685
GST-40-70-250	70	250	825
GST-40-70-300	70	300	925
GST-40-70-350	70	350	1 025
GST-40-70-400	70	400	1 125

Ordering Example

GST-40-50-150-AD-900N-2500N

Type (Tandem Gas Spring) _____
 Body Ø (40 mm) _____
 Stroke A (50 mm) _____
 Stroke B (150 mm) _____
 Body A End Fitting, A14 _____
 Body B End Fitting, D14 _____
 Nominal Force Body A, 900 N _____
 Nominal Force Body B, 2500 N _____

The end fittings are interchangeable.
 These gas springs are tailored to the relevant application and are therefore not available ex stock.
 For mounting accessories see page 201.



For mounting accessories see page 201.

Technical Data

- On request:** Without damping, standard length damping, special force curves, special lengths, alternative end fittings, wiper.
- Available force range F_1 at 20 °C:** 300 N to 5000 N
- Mounting:** According to calculation. Please adopt the mounting points determined by ACE.
- End position damping length:** Strong end position damping approx. 30 to 70 mm (depending on the stroke) and slow extension speed.
- Material:** Piston rod: Hard chrome plated. Bodies and accessories: Zinc plated steel.
- Progression:** According to calculation relating to your application.