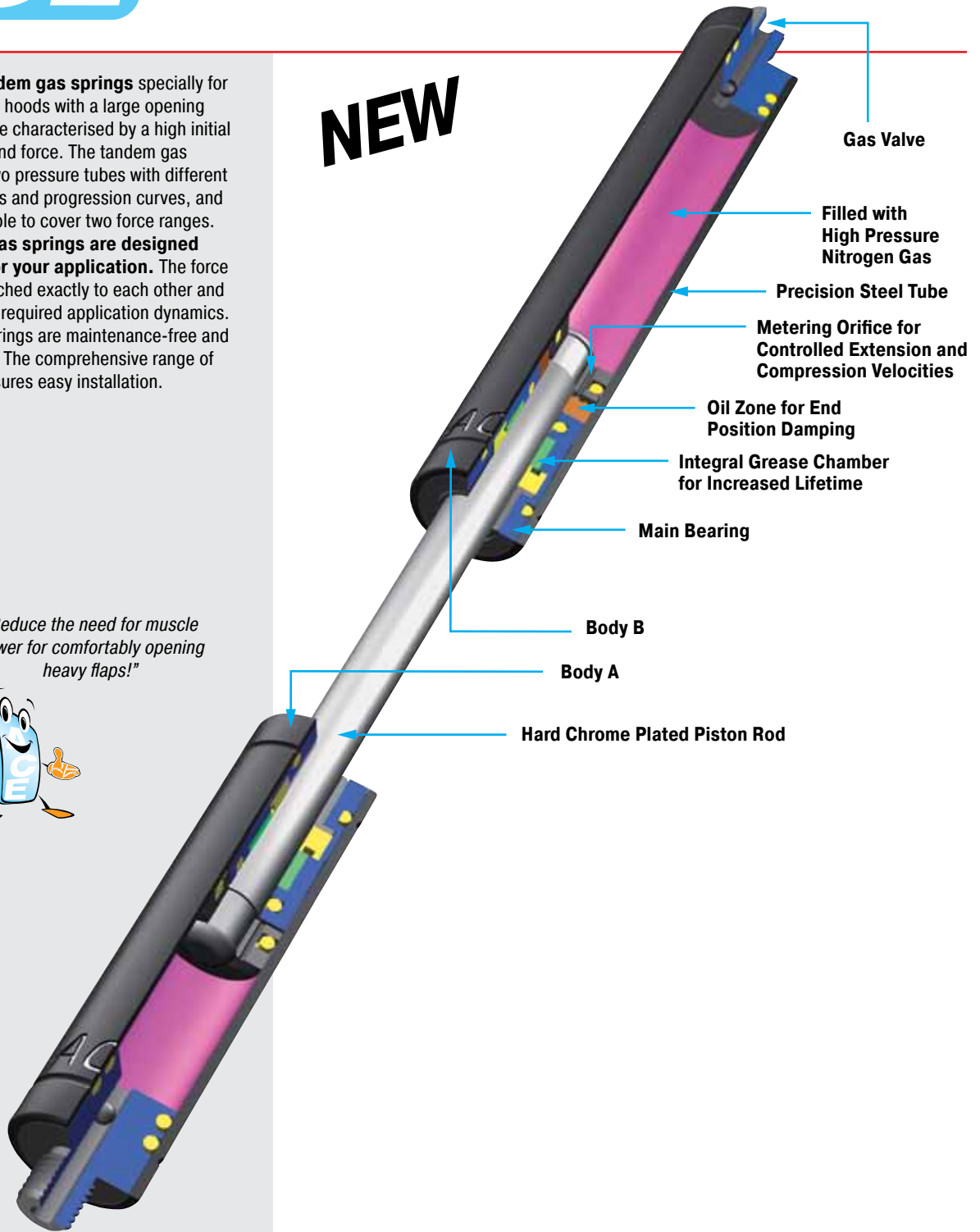


ACE offers **tandem gas springs** specially for heavy flaps and hoods with a large opening angle. These are characterised by a high initial force and low end force. The tandem gas springs have two pressure tubes with different extension forces and progression curves, and are therefore able to cover two 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).

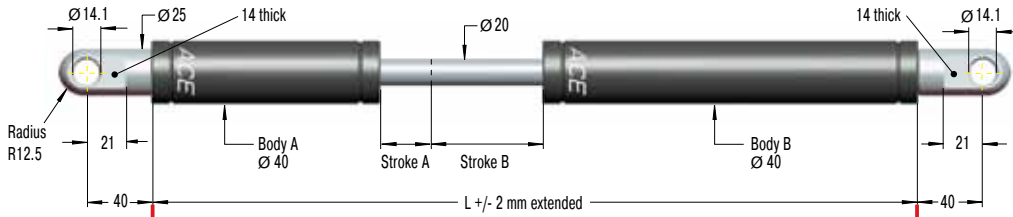


### End Fitting

### Standard Dimensions

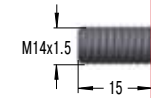
### End Fitting

**A14**



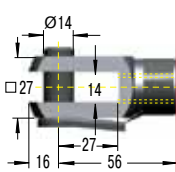
**Eye A14**  
max. force 10 000 N

**B14**



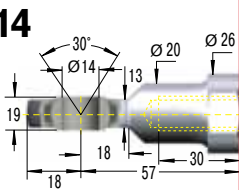
**Stud Thread B14**

**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

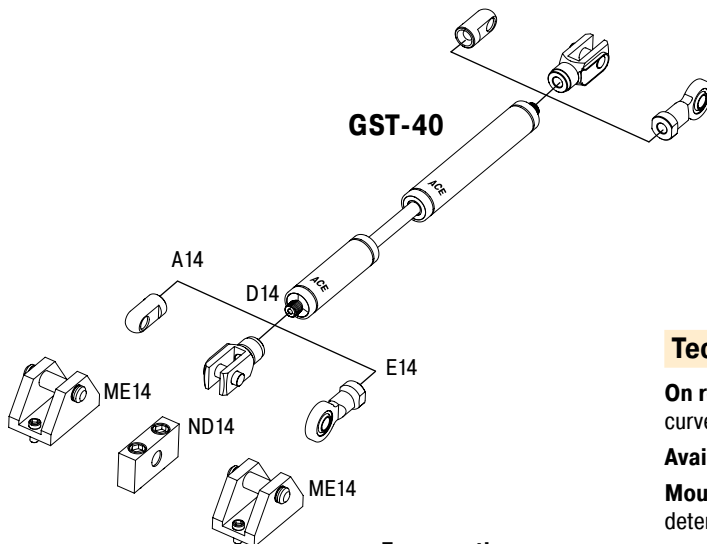
### Ordering Example

**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.

### GST-40



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.