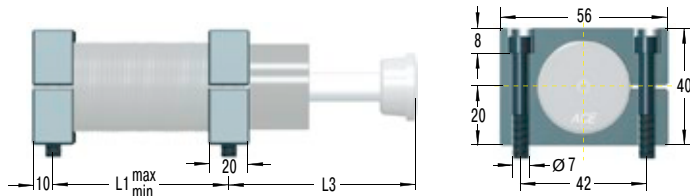


Overview

M33x1.5

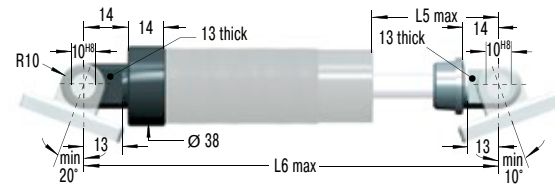
S33
Side Foot Mounting Kit



Dimensions			
TYPES	L1 min. mm	L1 max. mm	L3 mm
MC, MA, ML3325EUM	25	60	68
MC, MA, ML3350EUM	32	86	93
SC3325EUM	40	98	66
SC3350EUM	60	153	92

S33 = 2 flanges + 4 screws M6x40, DIN 912
 Torque max.: 11 Nm
 Clamping torque: 90 Nm
 Because of the thread pitch the fixing holes for the second foot mount should only be drilled and tapped after the first foot mount has been fixed in position.

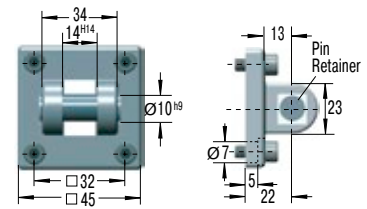
C33
Clevis Mounting Kit



Dimensions		
TYPES	L5 max. mm	L6 max. mm
MC, MA, ML3325EUM	39	168
MC, MA, ML3350EUM	64	218
SC3325EUM	39	208
SC3350EUM	64	283

C33 = 2 clevis eyes. Delivered assembled to shock absorber.
 Use positive stop at both ends of travel.

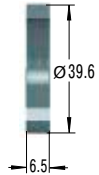
SF33
Clevis Flange



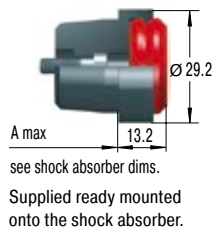
SF33 = flange + 4 screws M6x20, DIN 912
 Torque max.: 7.5 Nm
 Clamping torque: > 50 Nm
Secure with pin or use additional bar.
Due to limited force capacity the respective ability should be reviewed by ACE.

M33x1.5

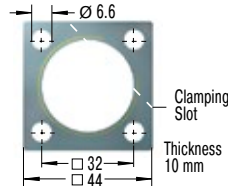
NM33
Locking Ring



PP33
Poly Button

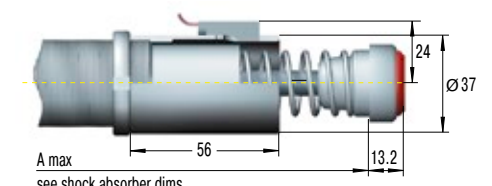


QF33
Square Flange



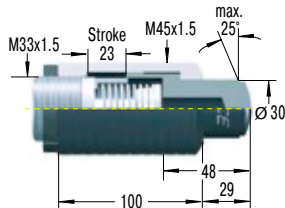
Torque max.: 11 Nm
 Clamping torque: > 90 Nm
 Install with 4 machine screws

AS33
Switch Stop Collar

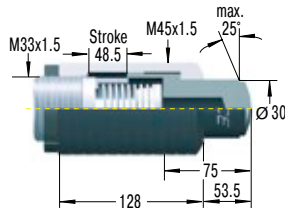


inc. Proximity Switch and Poly Button with elastomer insert

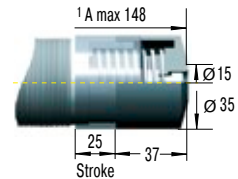
BV3325
Side Load Adaptor



BV3350
Side Load Adaptor

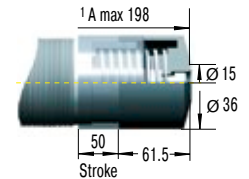


PB3325
Steel Shroud



¹ Total installation length of the shock absorber inc. steel shroud

PB3350
Steel Shroud

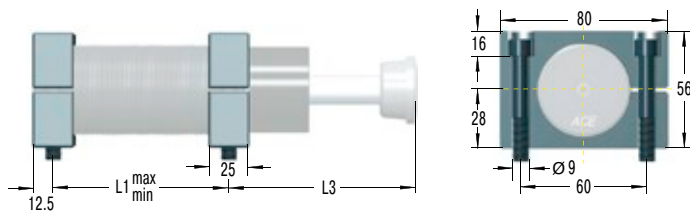


¹ Total installation length of the shock absorber inc. steel shroud

Mounting, installation, ... see page 77.

M45x1.5

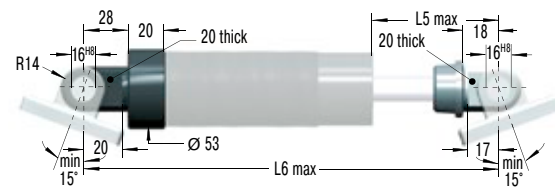
S45 Side Foot Mounting Kit



Dimensions			
TYPES	L1 min. mm	L1 max. mm	L3 mm
MC, MA, ML4525EUM	32	66	66
MC, MA, ML4550EUM	40	92	91
MC, MA4575EUM	50	118	116
SC4525EUM	50	112	62.5
SC4550EUM	64	162	87.5

S45 = 2 flanges + 4 screws M8x50, DIN 912
 Torque max.: 27 Nm
 Clamping torque: 350 Nm
 Because of the thread pitch the fixing holes for the second foot mount should only be drilled and tapped after the first foot mount has been fixed in position.

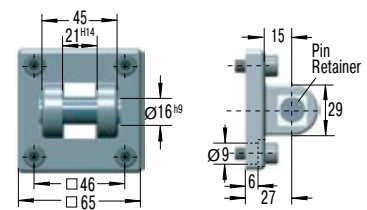
C45 Clevis Mounting Kit



Dimensions		
TYPES	L5 max. mm	L6 max. mm
MC, MA, ML4525EUM	43	200
MC, MA, ML4550EUM	68	250
MC, MA4575EUM	93	301
SC4525EUM	68	244
SC4550EUM	93	320

C45 = 2 clevis eyes. Delivered assembled to shock absorber.
 Use positive stop at both ends of travel.

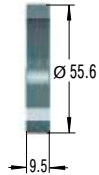
SF45 Clevis Flange



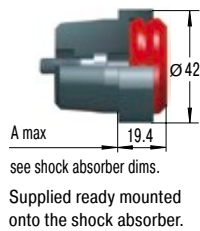
SF45 = flange + 4 screws M8x20, DIN 912
 Torque max.: 7.5 Nm
 Clamping torque: > 140 Nm
Secure with pin or use additional bar.
Due to limited force capacity the respective ability should be reviewed by ACE.

M45x1.5

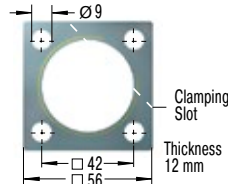
NM45 Locking Ring



PP45 Poly Button

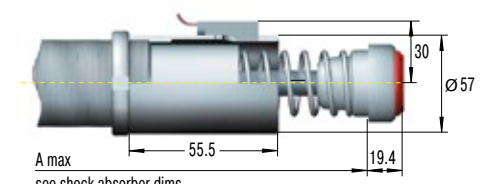


QF45 Square Flange



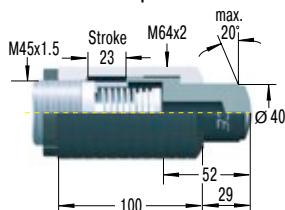
Torque max.: 27 Nm
 Clamping torque: > 200 Nm
 Install with 4 machine screws

AS45 Switch Stop Collar

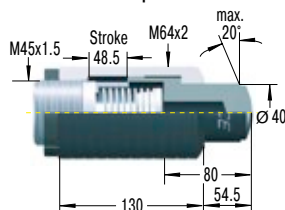


inc. Proximity Switch and Poly Button with elastomer insert

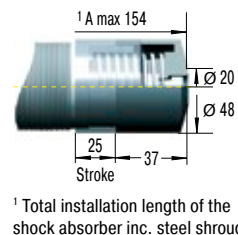
BV4525 Side Load Adaptor



BV4550 Side Load Adaptor

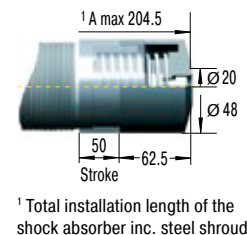


PB4525 Steel Shroud



¹ Total installation length of the shock absorber inc. steel shroud

PB4550 Steel Shroud



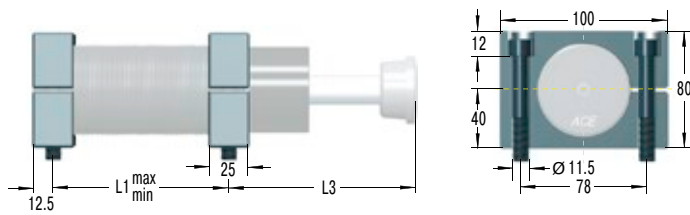
¹ Total installation length of the shock absorber inc. steel shroud

Overview

M64x2

S64

Side Foot Mounting Kit

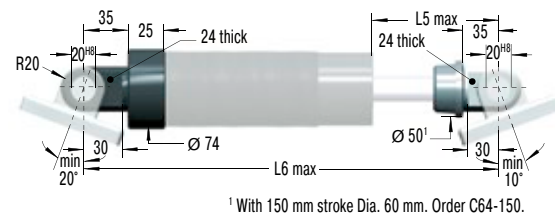


Dimensions			
TYPES	L1 min.	L1 max.	L3
ML6425EUM	40	86	75.5
MC, MA, ML6450EUM	50	112	100
MC, MA64100EUM	64	162	152
MC, MA64150EUM	80	212	226

S64 = 2 flanges + 4 screws M10x80, DIN 912
 Torque max.: 50 Nm
 Clamping torque: 350 Nm
 Because of the thread pitch the fixing holes for the second foot mount should only be drilled and tapped after the first foot mount has been fixed in position.

C64

Clevis Mounting Kit

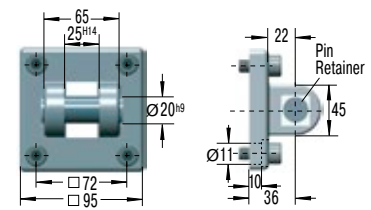


Dimensions		
TYPES	L5 max.	L6 max.
ML6425EUM	60	260
MC, MA, ML6450EUM	85	310
MC, MA64100EUM	136	410
MC, MA64150EUM	187	530

C64 = 2 clevis eyes. Delivered assembled to shock absorber.
¹ With 150 mm stroke Dia. 60 mm. Order C64-150.
¹ with 150 mm stroke Dia. 60 mm. Order C64-150.
 Use positive stop at both ends of travel.

SF64

Clevis Flange

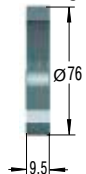


SF64 = flange + 4 screws M10x20, DIN 912
 Torque max.: 15 Nm
 Clamping torque: > 200 Nm
Secure with pin or use additional bar.
Due to limited force capacity the respective ability should be reviewed by ACE.

M64x2

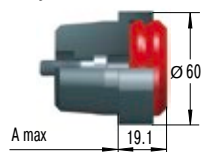
NM64

Locking Ring



PP64

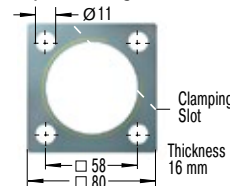
Poly Button



see shock absorber dims.
 Supplied ready mounted onto the shock absorber.

QF64

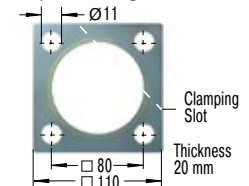
Square Flange



Torque max.: 50 Nm
 Clamping torque: > 210 Nm
 Install with 4 machine screws

QF90

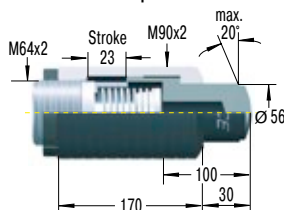
Square Flange



Torque max.: 50 Nm
 Clamping torque: > 210 Nm
 Install with 4 machine screws

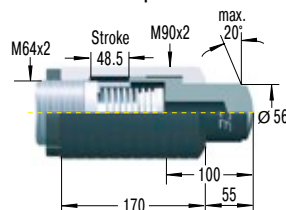
BV6425

Side Load Adaptor



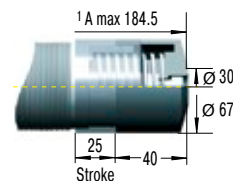
BV6450

Side Load Adaptor



PB6425

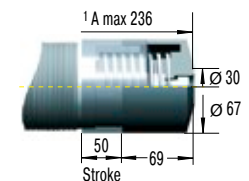
Steel Shroud



¹ Total installation length of the shock absorber inc. steel shroud

PB6450

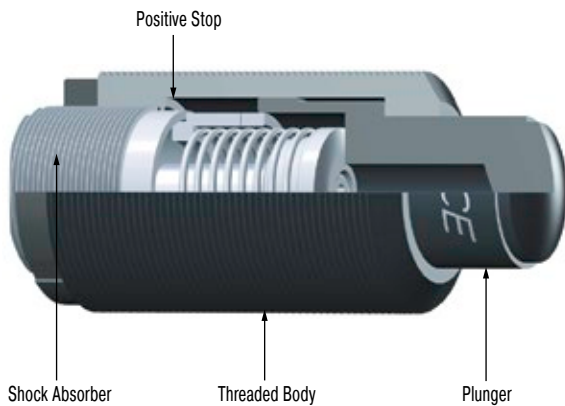
Steel Shroud



¹ Total installation length of the shock absorber inc. steel shroud

Mounting, installation, ... see page 77.

BV



Side Load Adaptor

For side load impact angles from 3° to 25°

With side load impact angles of more than 3° the operation lifetime of the shock absorber reduces rapidly due to increased wear of rod bearings. The optional BV side load adaptor provides long lasting solution.

Ordering information

- BV3325** (M45x1.5) for MC, MA, ML3325EUM (M33x1.5)
- BV3350** (M45x1.5) for MC, MA, ML3350EUM (M33x1.5)
- BV4525** (M64x2) for MC, MA, ML4525EUM (M45x1.5)
- BV4550** (M64x2) for MC, MA, ML4550EUM (M45x1.5)
- BV6425** (M90x2) for ML6425EUM (M64x2)
- BV6450** (M90x2) for MC, MA, ML6450EUM (M64x2)

Material

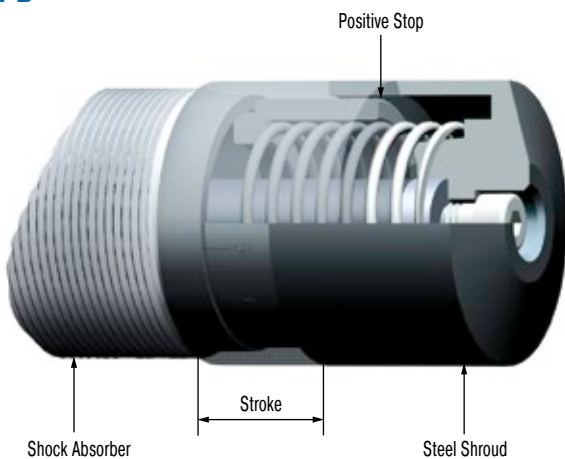
Threaded body and plunger: Hardened high tensile steel, hardened 610 HV1

Mounting information

Directly mount the shock absorber/side mount assembly on the outside thread of the side load adaptor or by using the QF flange. You cannot use a foot mount.

Calculation example and installation hints see page 45.

PB



Steel Shroud

For thread sizes M33x1.5, M45x1.5 and M64x2 with 25 or 50 mm stroke.

Grinding beads, sand, welding splatter, paints and adhesives etc. can adhere to the piston rod. They then damage the rod seals and the shock absorber quickly fails. In many cases the installation of the optional steel shroud can provide worthwhile protection and increase lifetime.

Material

Hardened high tensile steel

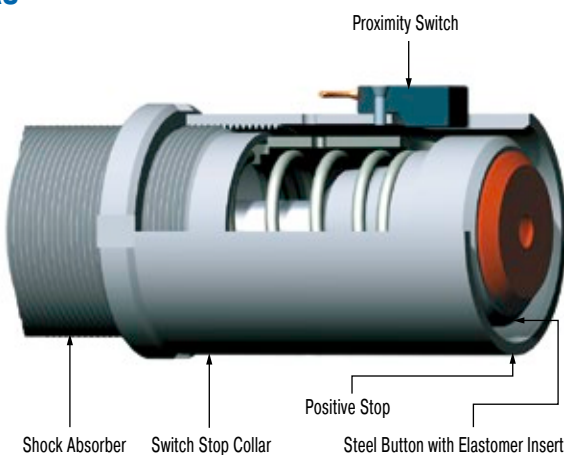
Mounting information

To mount the PB steel shroud it is necessary to remove the rod end button of the shock absorber.

Safety instructions

When installing don't forget to allow operating space for the shroud to move as the shock absorber is cycled.

AS



Switch Stop Collar

For thread sizes M33x1.5 and M45x1.5

The ACE stop light switch stop collar combination serves as a safety element to provide stroke position information for automatically sequenced machines. The compact construction allows its use in nearly any application. The standard rod button is detected by the proximity switch at the end of its stroke to provide switch actuation. The switch is normally open when the shock absorber is extended and only closes when it has completed its operating stroke.

Material

Hardened high tensile steel

Delivery

The AS switch stop collar combination is only delivered ready mounted onto the shock absorber c/w the switch.

For circuit diagram of proximity switch see page 46.