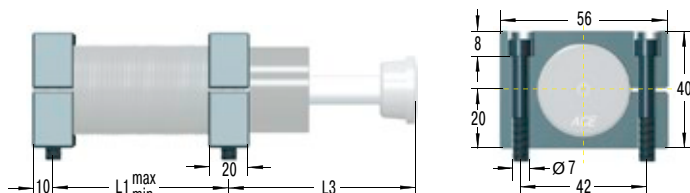


M33x1.5

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

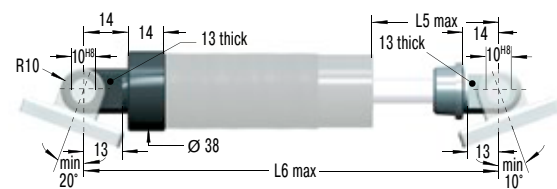
Torque max.: 11 Nm

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

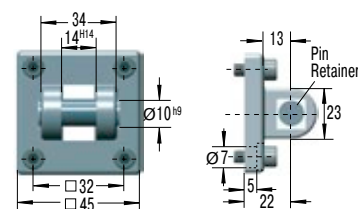
TYPES	L5 max. mm	L6 max. mm
MC, MA, ML3325EUM	39	168
MC, MA, ML3350EUM	64	218
SC3325EUM	39	208
SC3350EUM	64	283

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

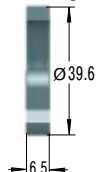
Secure with pin or use additional bar.

Due to limited force capacity the respective ability should be reviewed by ACE.

M33x1.5

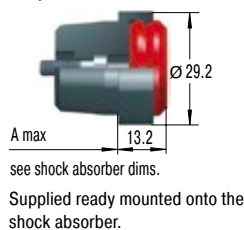
NM33

Locking Ring



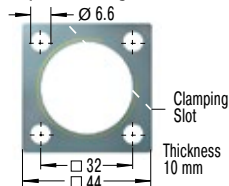
PP33

Poly Button



QF33

Square Flange



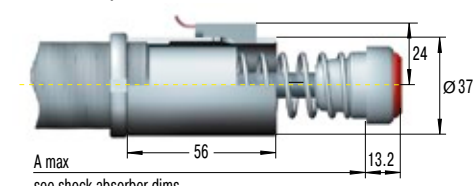
Torque max.: 11 Nm

Clamping torque: > 90 Nm

Install with 4 machine screws

AS33

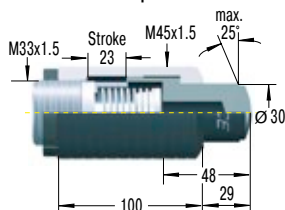
Switch Stop Collar



inc. Proximity Switch and Poly Button with elastomer insert

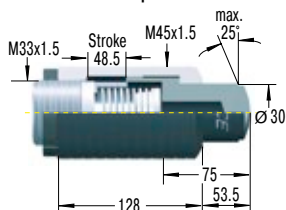
BV3325

Side Load Adaptor



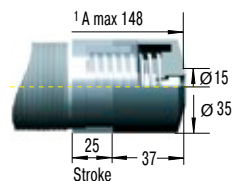
BV3350

Side Load Adaptor



PB3325

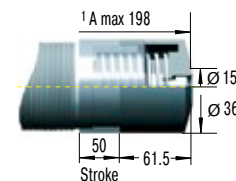
Steel Shroud



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

PB3350

Steel Shroud



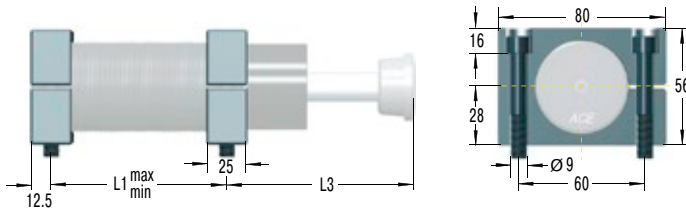
¹ Total installation length of the shock absorber inc. steel shroud

For mounting, installation, ..., see page 77.

M45x1.5

S45

Side Foot Mounting Kit



Dimensions

TYPES	L1 min.	L1 max.	L3
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

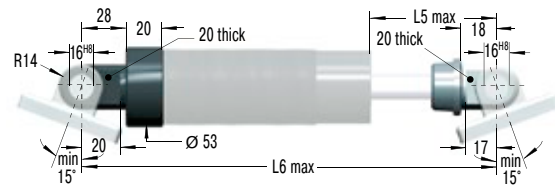
Torque max.: 27 Nm

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

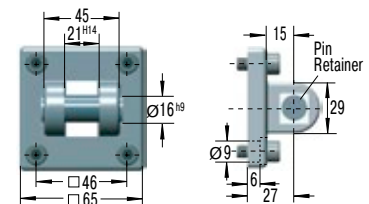
TYPES	L5 max.	L6 max.
MC, MA, ML4525EUM	43	200
MC, MA, ML4550EUM	68	250
MC, MA4575EUM	93	301
SC4525EUM	68	244
SC4550EUM	93	320

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

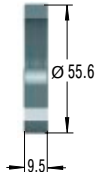
Secure with pin or use additional bar.

Due to limited force capacity the respective ability should be reviewed by ACE.

M45x1.5

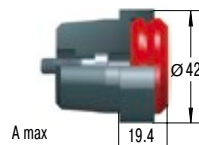
NM45

Locking Ring



PP45

Poly Button

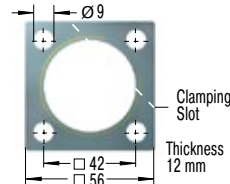


see shock absorber dims.

Supplied ready mounted onto the shock absorber.

QF45

Square Flange



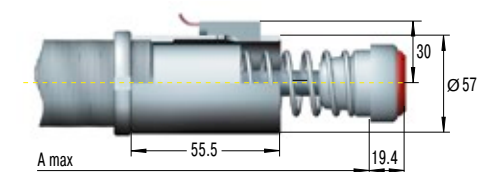
Torque max.: 27 Nm

Clamping torque: > 200 Nm

Install with 4 machine screws

AS45

Switch Stop Collar

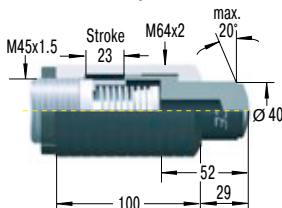


see shock absorber dims.

inc. Proximity Switch and Poly Button with elastomer insert

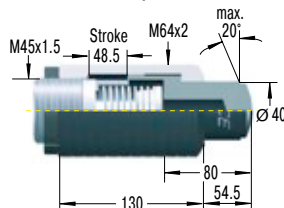
BV4525

Side Load Adaptor



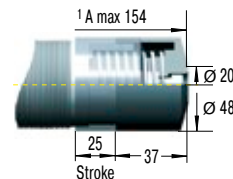
BV4550

Side Load Adaptor



PB4525

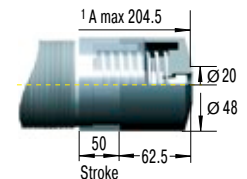
Steel Shroud



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

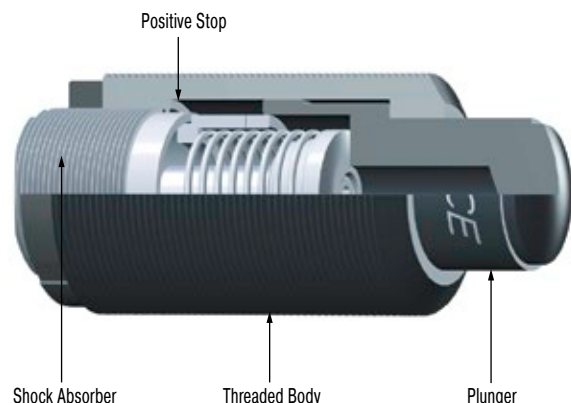
PB4550

Steel Shroud



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

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

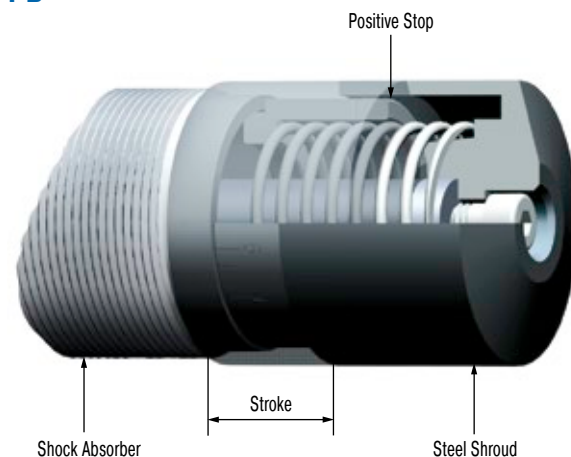
Threaded body and plunger: Hardened high tensile steel, hardened 610 HV1

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

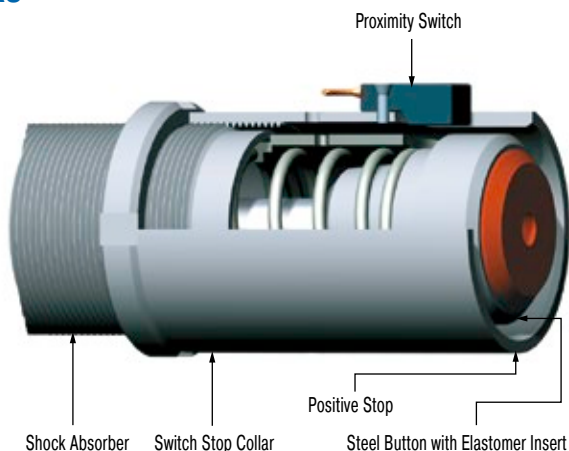
Mounting information

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.