SPECIAL INSTRUCTIONS

65S650, 65S655, 65S660, 65S662, 65S665

In these SPECIAL INSTRUCTIONS the fitting parts are indicated for each type of car.
- parts below the aux. spring: BOTTOM assembly (polybag)
  for fitting on the *original* shock/strut, see type in column BOTTOM and page 3
  for fitting on a *non-original* shock/strut, see TABLE on page 2 and page 3
- parts on top of the aux. spring: TOP assembly (polybag)
  see type in column TOP and page 4, 5, 6

Model	Year	BOTTOM	TOP	REMARKS
ALFA ROMEO Giulietta	77-86	A	IIa.2	1
Alfetta, Alfetta GT/GTV	72-86	A	IIa.2	1
Alfa 75, 90	84-94	A	IIa.2	1
AUDI 80	72-78	C	Ib.3	.
AUDI 100	73-76	C	Ib.3	.
AUSTIN Maestro, Montego	83-94	A	Ib.3	.
BMW 3 Serie I E21, incl. 315	75-84	C	Ib.1	.
BMW 6 Serie E24	76-89	D	Ib.1	.
FORD Capri	69-84	E	Ic.1	.
Hyundai Accent	99-	G	Ia	
KIA Prius	95-	E	Ib.1	.
LANCIA Beta, HPE, Trevi	73-84	G	Ia	2
MAZDA 121	86-91	E	Ib.1	.
MAZDA 323 Sedan BD, BF	80-89	F	Ia	3
MAZDA 323 F Coupé BG	89-94	F	Ic.1	.
NISSAN 100 NX Coupé B13	91-97	I	Ia	5
NISSAN Bluebird U11, incl. Wagon	84-90	I	Ia	4
NISSAN Bluebird T12, T72	86-90	I	Ia	4
NISSAN Laurel C31	81-85	H	Ib.2	.
NISSAN Stanza T11	82-87	G	Ia	4
NISSAN Sunny excl. Wagon N14	91-95	I	Ia	5
PEUGEOT 504 excl. Break7	4-82	F	IIa.2	.
RENAULT R5, R14	72-84	F	IIa.2	.
TOYOTA Carina II, incl. Stationwagon	88-92	G	Ia	.
TOYOTA Carina E, excl. Stationwagon	92-98	G	Ia	.
TOYOTA Celica excl. 4x4	85-89	G	Ia	.
VOLKSWAGEN Polo	8.94-01	D	Ib.3	.

REMARK 1

Spica shockabsorber has a dustcover at the bottom.

REMARK 2

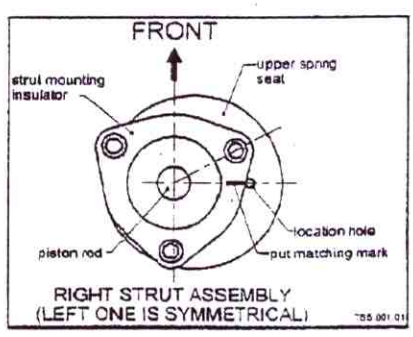
Aux. spring set can be fitted on the strut inside the wheel arch: Disconnect top of strut. Remove rear wheels. Disconnect brake calliper and anti-roll bar and move top of strut out through the wheelarch. Put matching marks for proper alignment afterwards. Compress main spring. Remove main spring and *bumpstop (*not to be re-used). Fit parts type G page 3, aux. spring, bumpstop 8, see FIG. Ia page 5. Re-install strut using the original fitting parts.

REMARK 3

To remove strut: remove rear wheels and unscrew lower strutbolt. Nut is welded.

REMARK 4

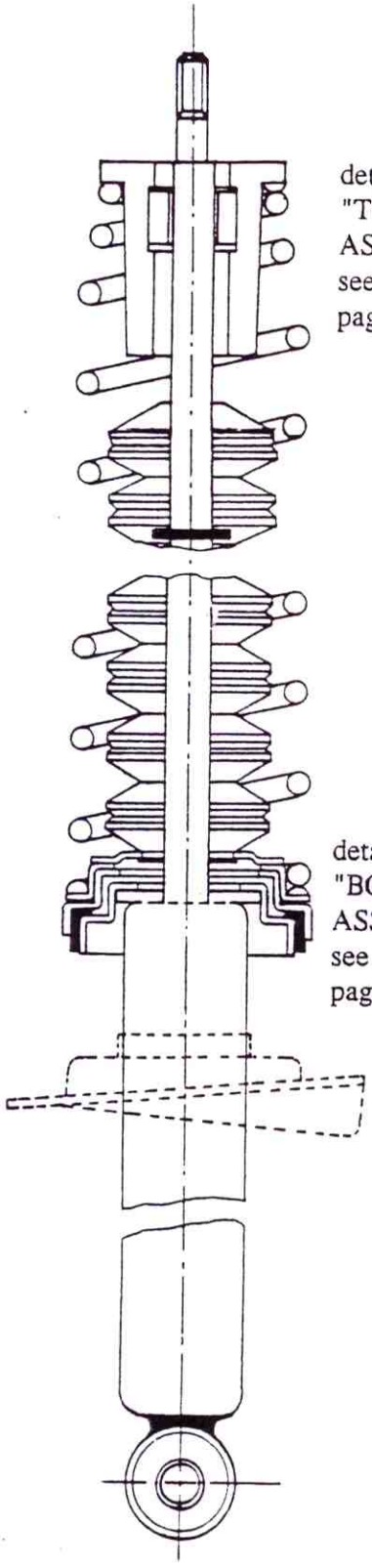
Aux. spring set can be fitted on the strut inside the wheel arch:
Top: unscrew 3 nuts. Bottom: disconnect brakepipe bracket (2 bolts), remove long bolt of cross parallel link and bolt of anti-roll bar. Move top of strut out through the wheelarch.
Put matching marks on the upper spring seat and the strut mounting insulator for proper alignment afterwards, see drawing →
Remove strut mounting insulator, upper spring seat, main spring, *bumpstop and *dustcover (*not to be re-used). Fit BOTTOM parts type I page 3, aux. spring, bumpstop 8, see FIG. Ia page 5.
Re-install strut using the original fitting parts.



REMARK 5

To remove strut: disconnect link between strut and anti-roll bar (2x bolt M10)

FITTING INSTRUCTIONS
see page SPECIAL INSTRUCTIONS !



details "TOP" ASSEMBLY see page 4,5,6

details "BOTTOM" ASSEMBLY see page 2,3

RECOMMENDATION:

Replace faulty shocks, however remember that only new gas- or hydraulic shocks do not raise the car.

Install CARSUPPORT auxiliary springs or CARSUPPORT replacement springs for extra car support.

STRUT (Mc Pherson)

1. The normal lay-out is:
   1 central nut on top of the piston rod
   or
   2 or 3 smaller nuts fitted to the upper spring seat. In that case do not unscrew the central nut.

2. Mark the upper spring seat(s), the spring and the lower spring seat.

3. Disconnect the strut, sometimes only partially:
   see page: "SPECIAL INSTRUCTIONS"

4. Remove main spring, spring compressor may be needed:
   -unscrew central nut
   -place removed fitting parts in correct order

5. Fitting parts of the aux. spring set as per instructions:

   -BOTTOM PARTS below the aux. spring:
   see page 2 and 3
   -TOP PARTS on top of the aux. spring:
   see page 4 and 5

"NORMAL" SHOCKABSORBER

1. Disconnect shock, sometimes only partially:
   see page: "SPECIAL INSTRUCTIONS"

2. *Remove steel/plastic dustcover:*
   see page 6

3. Fitting parts of the aux. spring set as per instructions:
   -BOTTOM PARTS below the aux. spring:
   see page 2 and 3
   -TOP PARTS on top of the aux. spring:
   see page 6

NOT ALL PARTS OF THIS SET WILL BE USED

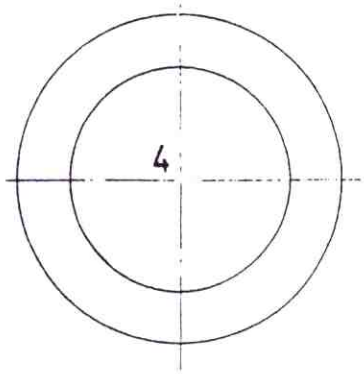
"BOTTOM" ASSEMBLY

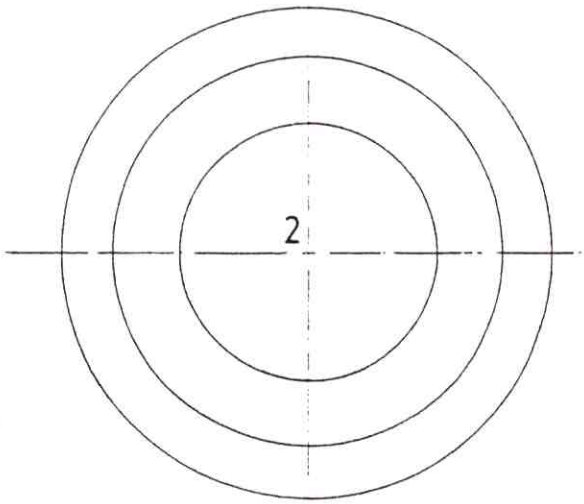
polybag containing:
(1) steel seat, small
(2) steel seat, large
(3) seat with bellow fitted
(4) rubber collar, small
(5) rubber collar, large
(6) rubber ring, small

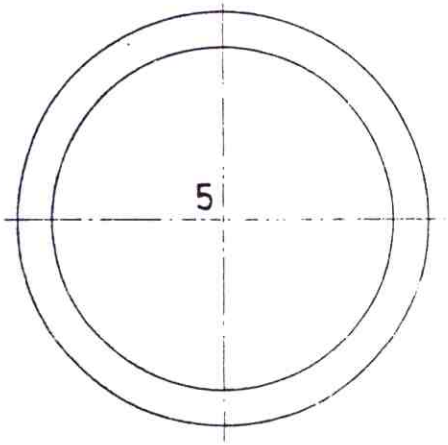
Measure diameter d1 of the plastic or steel top of the shockabsorber body and select parts 1-5 as shown in the TABLE.

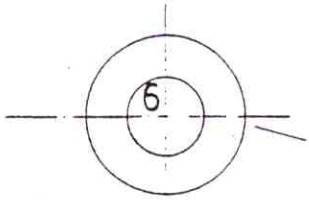
If diameter d1 is greater than 60 mm:
remove rebound cap if fitted.

PLACE WIDE END OF AUX. SPRING ON SEAT 3.

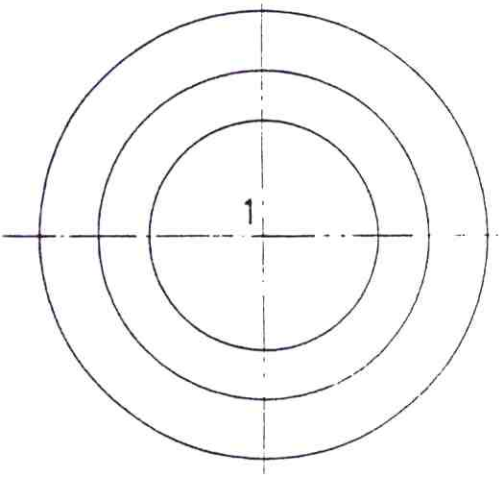


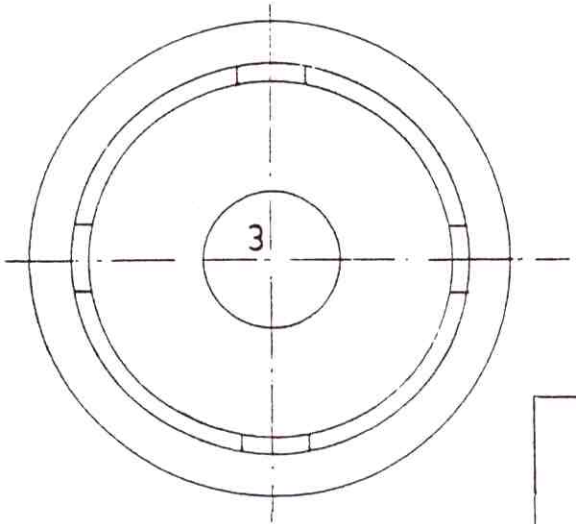


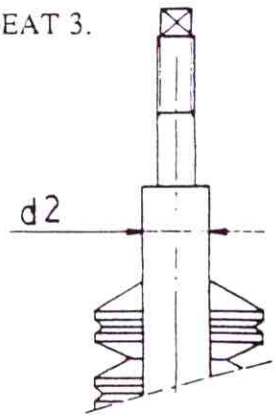




piston rod diameter d2 = 9-16mm fit part 6 *inside* bellow







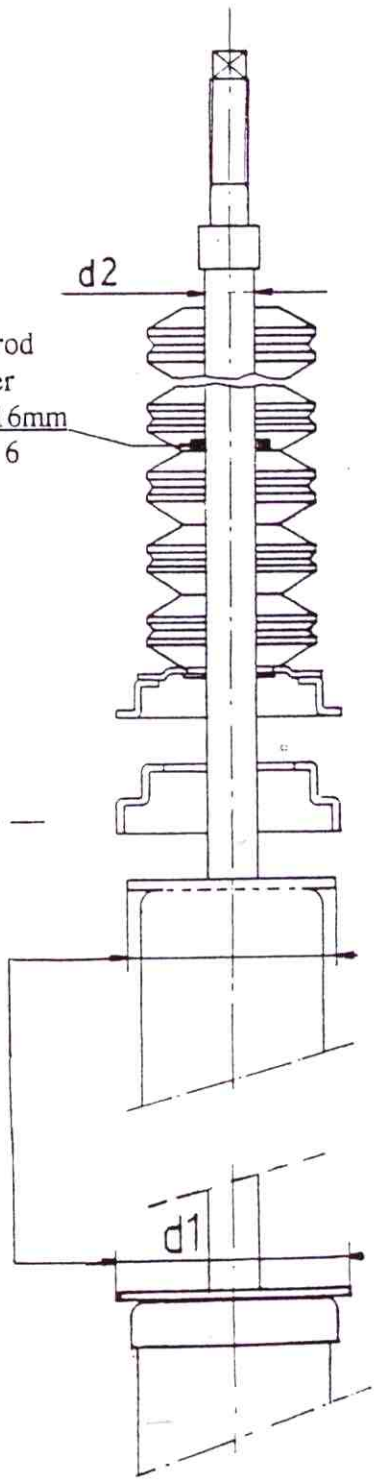


TABLE for parts required

type	diameter d1 (mm)	needed parts
A	36 - 39	1+5+2+3
B	39 - 40,5	4+2+3
C	40,5 - 43	4+3
D	43 - 46	2+3
E	46 - 48,5	3
F	48,5 - 51,5	5+1+4+3
G	51,5 - 55	1+5+2+3
H	55 - 57,5	5+2+3
I	57,5 - 60,5	2+3

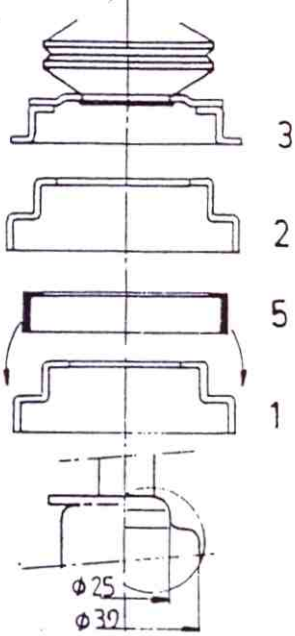
example
Measure d1: for instance d1 = 38mm
See TABLE: type A.
Parts 1, 5, 2 and 3 has to be fitted.
Part 4 will not be used.

On page 3 the assembly of these parts is shown: see A

"BOTTOM" ASSEMBLY
to select the parts 1-5:
check TABLE page 2

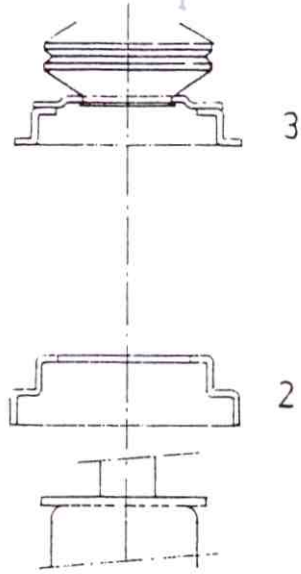
See drawing page 2 Piston rod diameter d2= 9-16mm: stretch rubber ring 6 halfway over the piston rod then fit the bellow. If d2 is greater: do not fit rubber ring 6

A



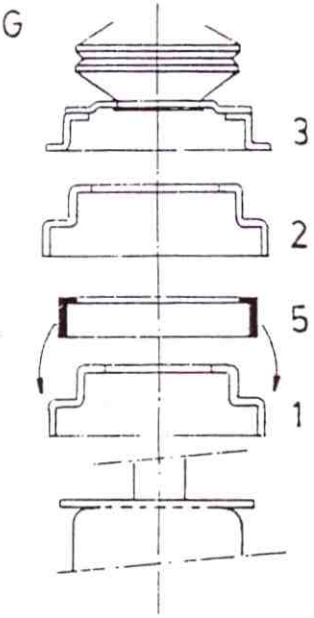
d1=36-39 mm

D



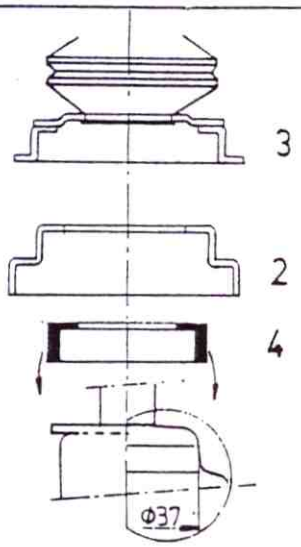
d1=43-46 mm

G



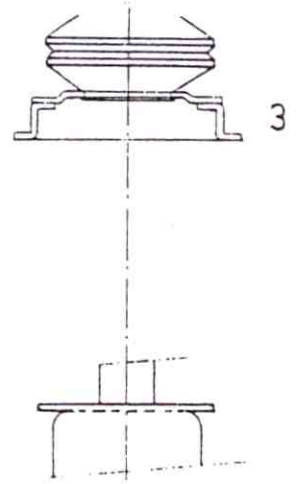
d1=51,5-55 mm

B



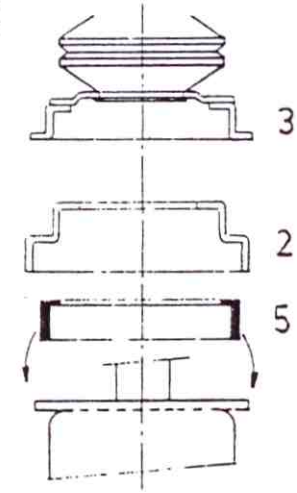
d1=39-40,5 mm

E



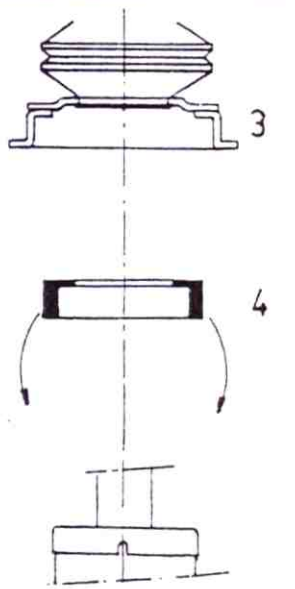
d1=46-48,5 mm

H



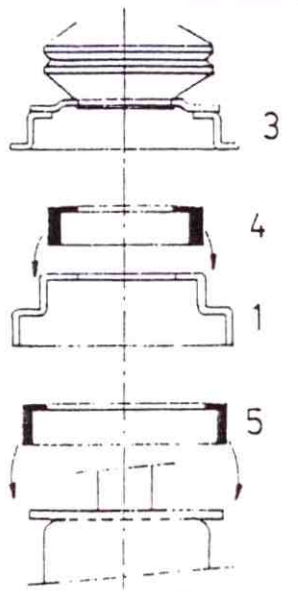
d1=55-57,5 mm

C



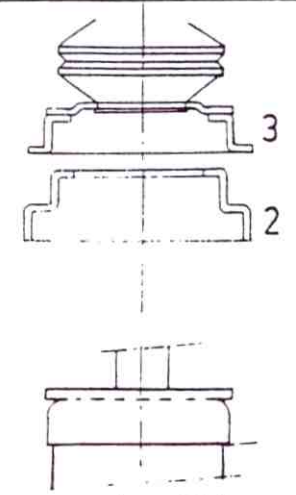
d1=40,5-43 mm

F



d1=48,5-51,5 mm

I

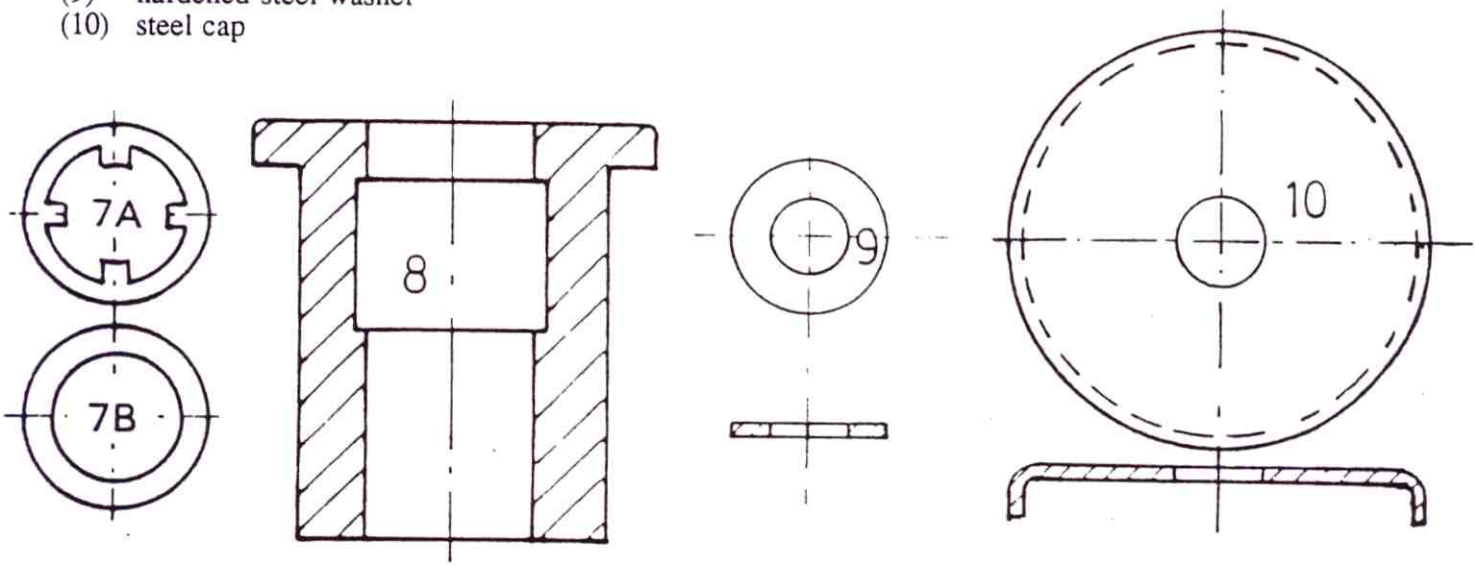


d1 greater than 60,5: remove (if possible) rebound cap, fit directly on tube, check again TABLE p.2

d1=57,5-60,5 mm

"TOP" ASSEMBLY

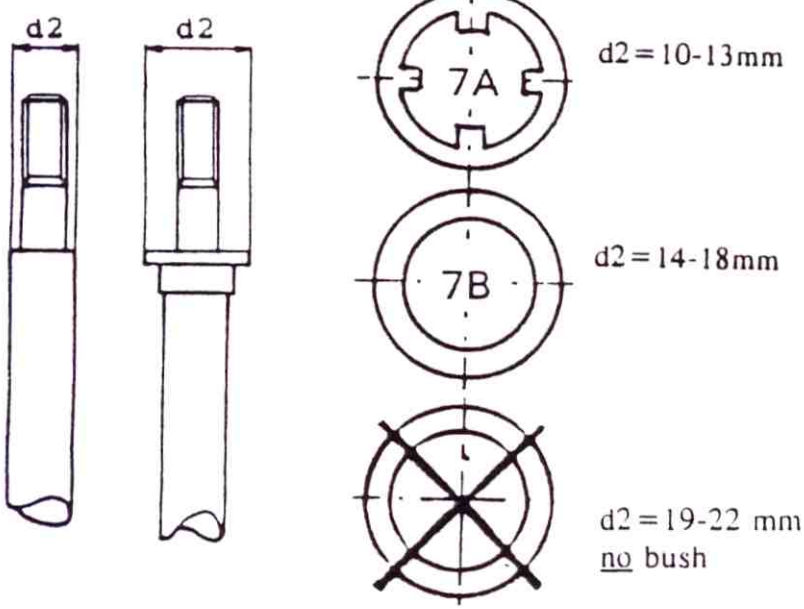
polybag containing:
(7A) plastic bush
(7B) plastic bush
(8) rubber bumpstop
(9) hardened steel washer
(10) steel cap

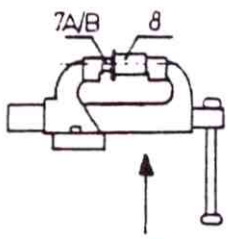


FITTING "TOP" ASSEMBLY

Select plastic bush 7A/7B -or- no plastic bush

There are two types of plastic bushes (7A/7B).
Select the plastic bush with the smallest piston rod clearance as follows:
1. Try to shift plastic bush 7A completely downwards over the piston rod. If it matches press 7A into bumpstop 8.
2. If 7A does not matches, try in the same way 7B.
3. If 7B does not matches do not use a plastic bush.





fitting 7A/7B

To select steel washer 9 and cap 10 :
STRUT: see page 5
SHOCKABSORBER: see page 6