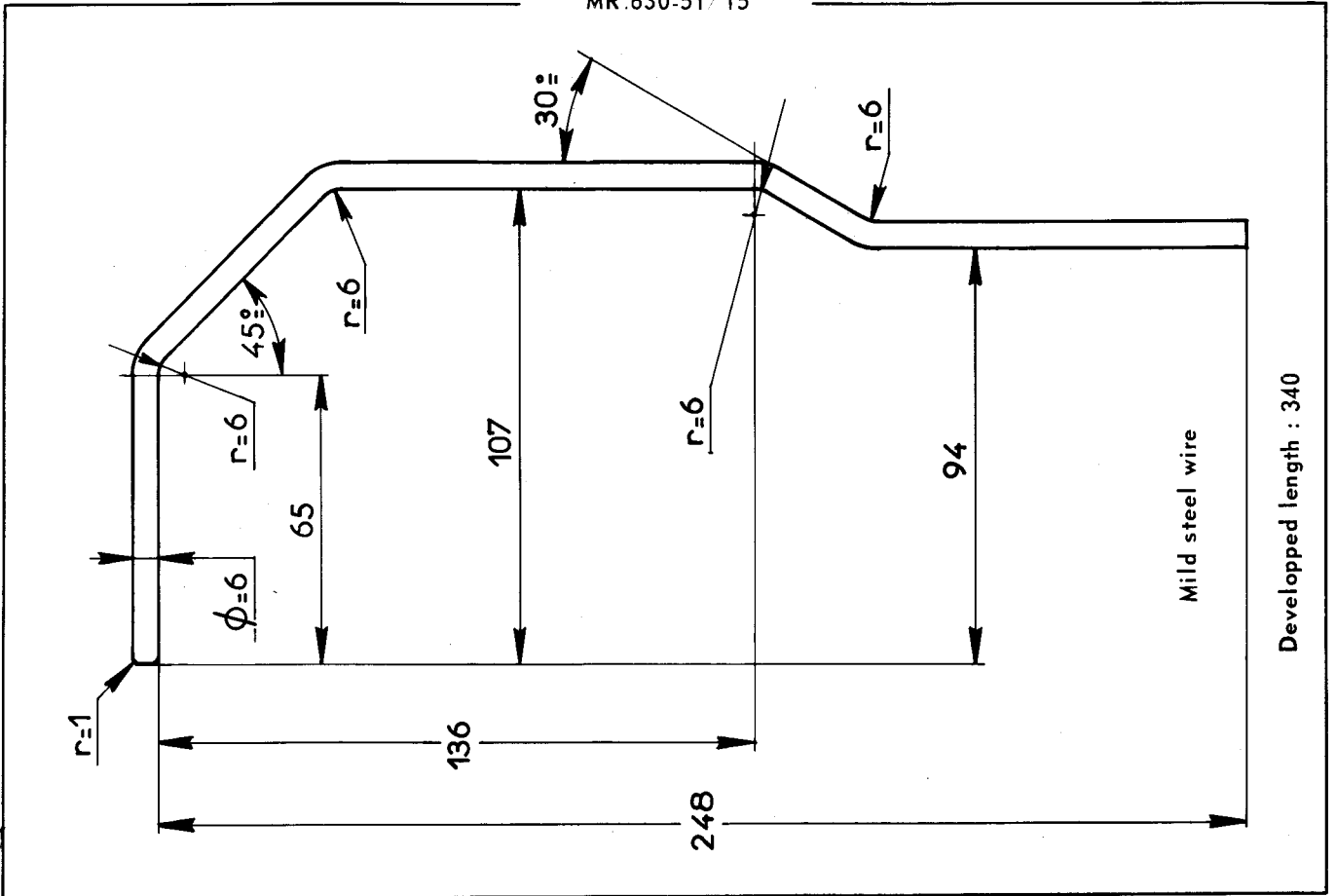


**LIST OF SPECIAL TOOLS GIVEN IN
VOLUME I OF MANUAL 816**

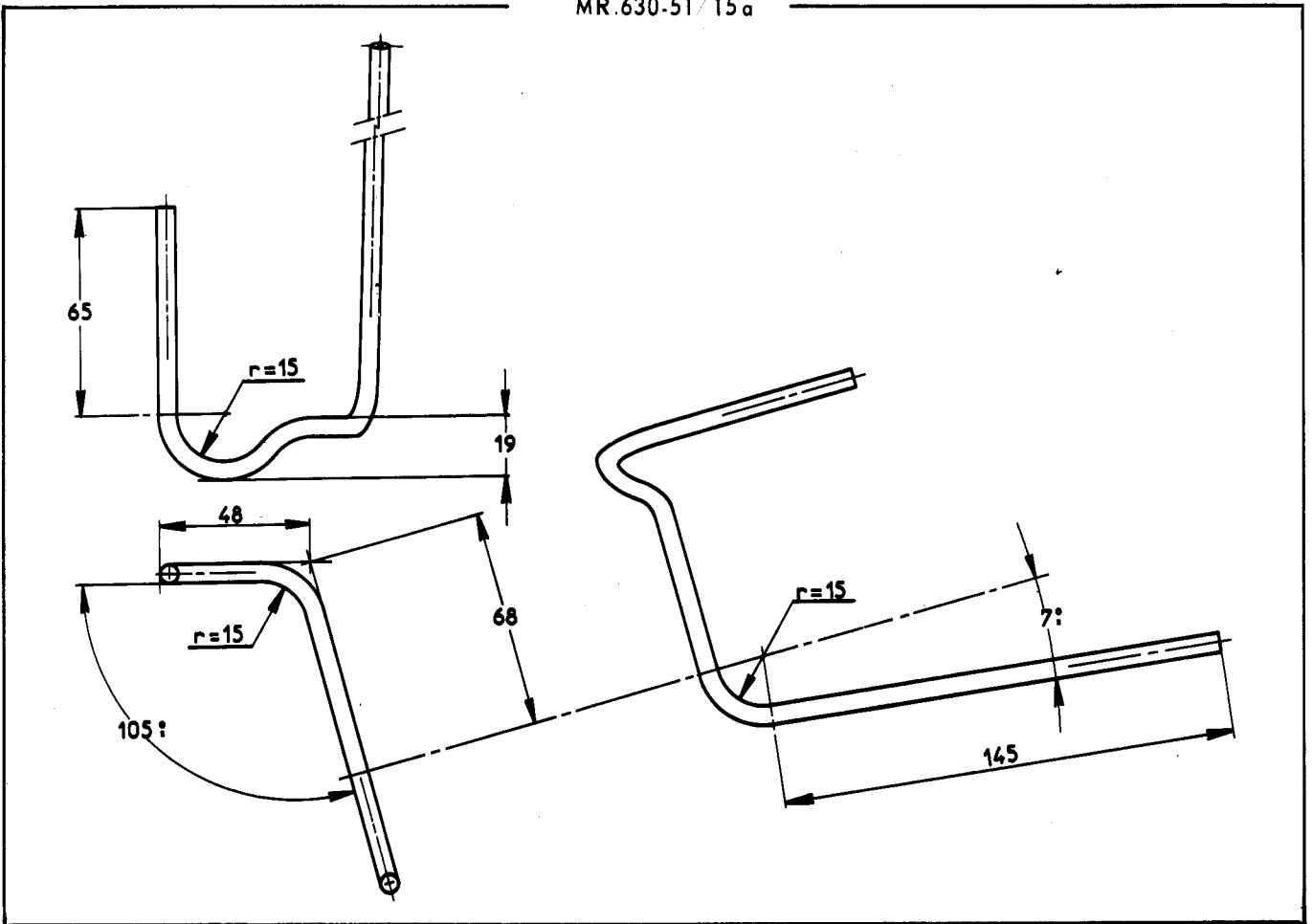
Supplement No. 1 to Manual 816-1 (CORR)

LIST OF ITEMS	M.R. NUMBERS		REFERENCE of tools sold
	Old	New	
2 ENGINE			
Extractor for fan			3006-T bis
Gauge pin for static ignition setting		MR. 630-51/15 or MR. 630-51/15 α	
Instrument for checking petrol pressure			4005-T
Union for checking engine oil pressure			3099-T
Pressure gauge (0 to 10 bars, ie. 0 to 145 psi)			2279-T
Instrument for checking crankcase vacuum		MR. 630-56/9 α	
Support for checking crankcase alignment	MR. 3365-290	MR. 630-52/16	
Support for checking gearbox casing alignment	MR. 3365-300	MR. 630-52/17	
Pegs (to be used with support MR. 630-52/17)	MR. 3365-304	MR. 630-52/17/4	
Dial gauge			2437-T
Instrument for checking centrifugal advance			1692-T
Instrument for checking the engine-gearbox alignment			30 4054-T
4 GEARBOX			
Shim for fork (1.5 mm, 0.059 in thick)			1785-T
Shim for fork (1.8 mm, 0.07 in thick)			1786-T
Shim for fork (2.7 mm, 0.1 in thick)			3153-T
Clamp securing the locking spring of the fork shaft for 2nd and 3rd speeds		MR. 630-64/21	
Spanner for screws with flats (length of flats = 9 × 6 A/F)			1677-T
7 8 FRONT AND REAR AXLES			
Instrument for checking camber			2313-T
Struts for checking front and rear axles		MR. 630-51/9 α	
Fixture for checking axle arms	MR. 3745	MR. 630-51/46	
Instrument for checking rear axle parallelism	MR. 3756-20/28	MR. 630-51/47	
9 SUSPENSION			
Height gauge			2305-T
End-piece for height adjustment			3455-T or 3455-T bis
Spanner (to be used with end-piece 3455-T)			3456-T
11 BRAKES			
Dial gauge pointer			2443-T
Support for raising a vehicle	MR. 3300-70	MR. 630-41/3	
Dial gauge support		MR. 630-52/34	

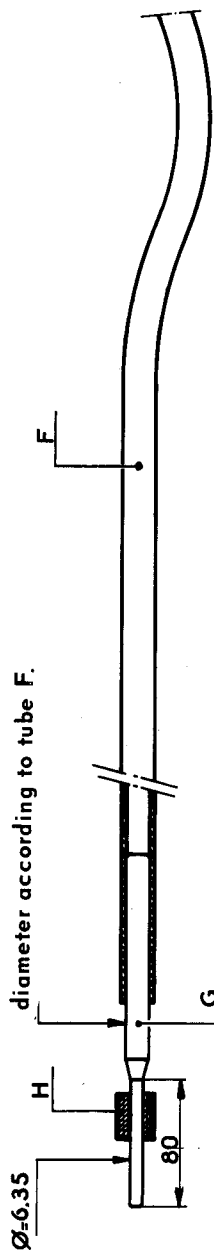
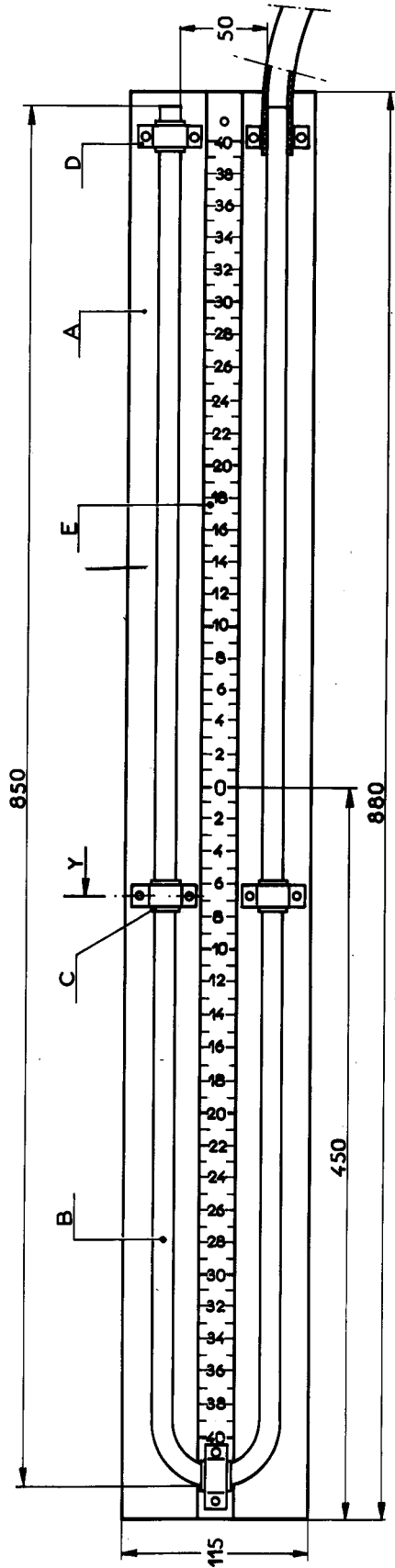
MR.630-51/15



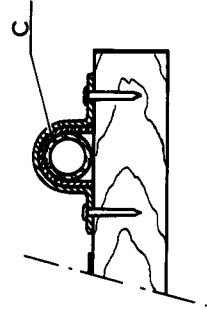
MR.630-51/15a



MR. 630-56 9 a



Section Y



Ref	Qty	Description
A	1	Back plate - thickness : 20
B	1	Glass or plastic tube
C	4	Protective rubber
D	5	Collar
E	1	Scale
F	1	Flexible tube according to dia of B
G	1	Tubular end-piece
H	1	Sleeve seal NN 394.87

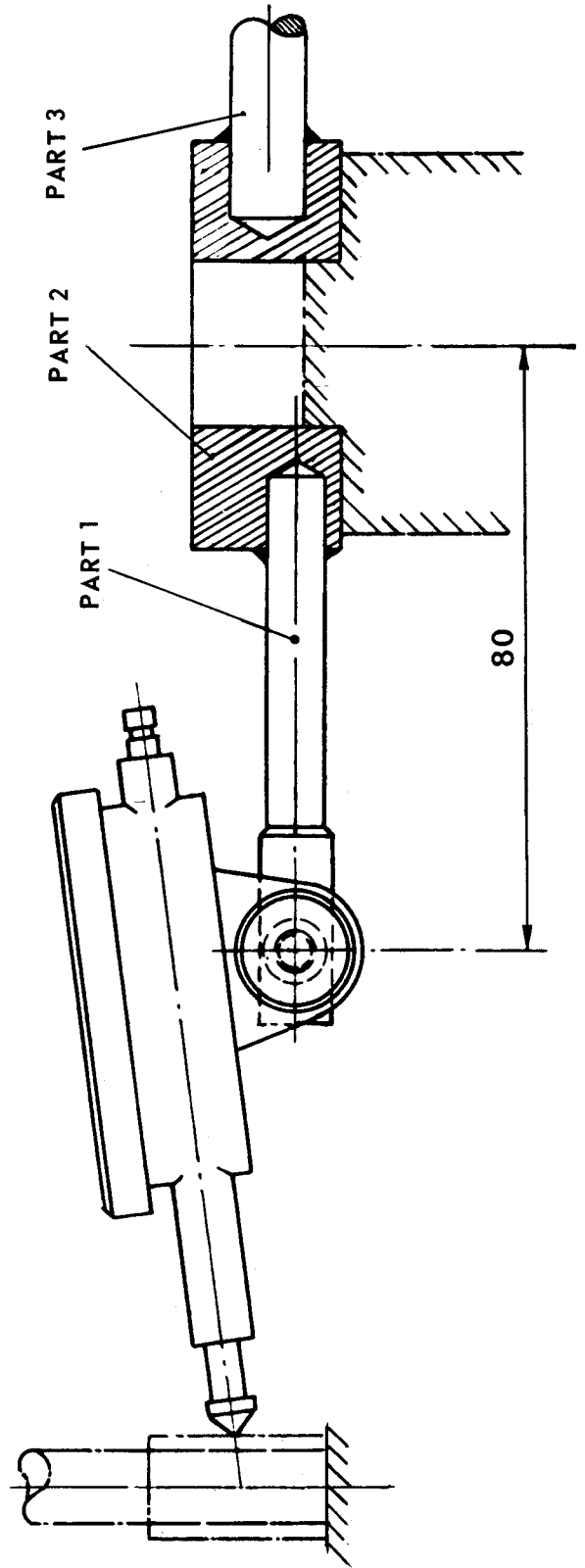
Manual 816.1

SUPPORT FOR DIAL GAUGE USED FOR CHECKING THE CRANKCASE

Checking the position of the crankcase studs

MR.630-52/16
ex MR. 3365-290

Fig. 1



SUPPORT FOR DIAL GAUGE USED FOR CHECKING THE CRANKCASE

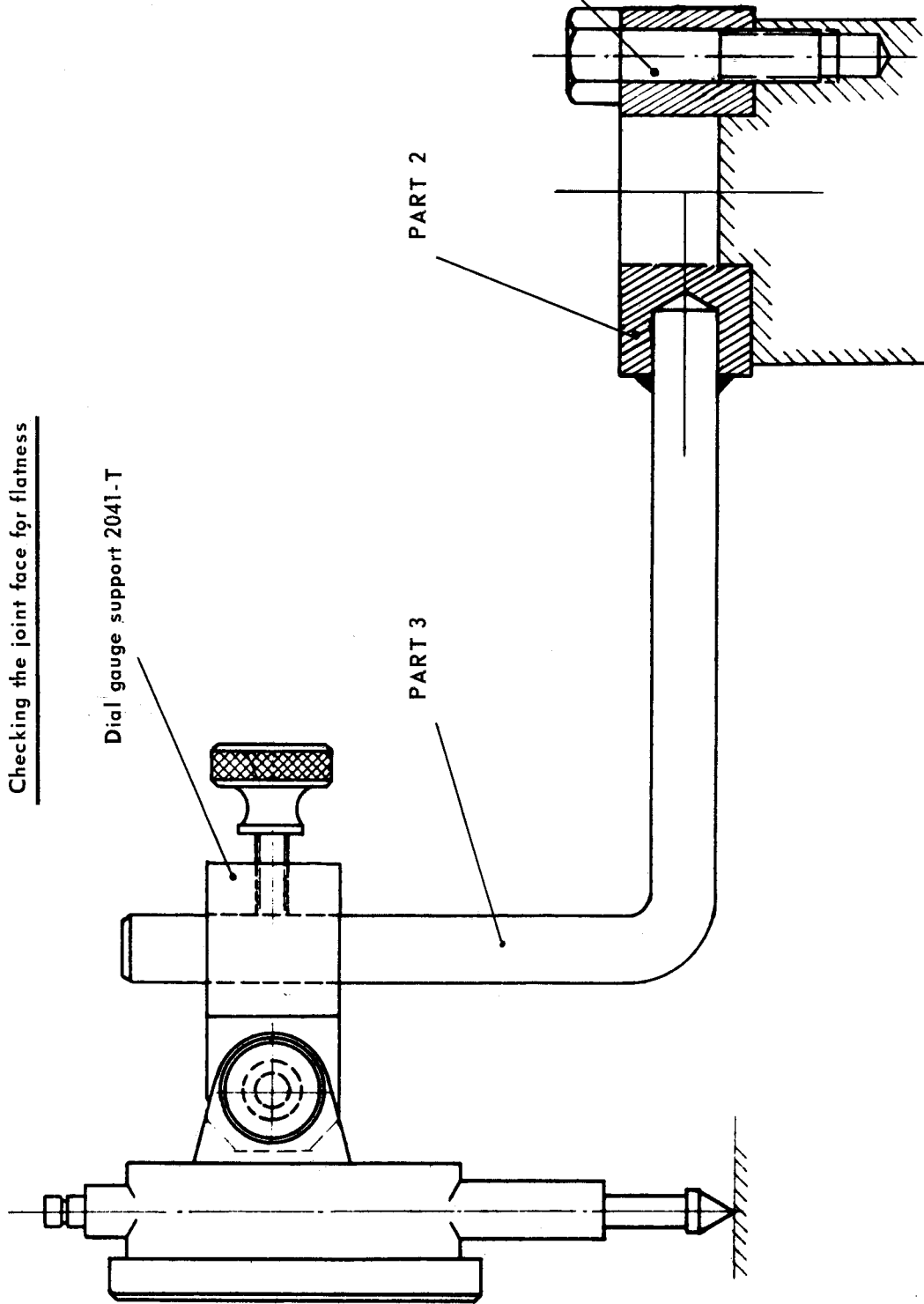
Checking the joint face for flatness

Dial gauge support 2041-T

PART 3

PART 2

3 hex. head screws
dia. : 8, pitch 1.00
L = 30
l = 15



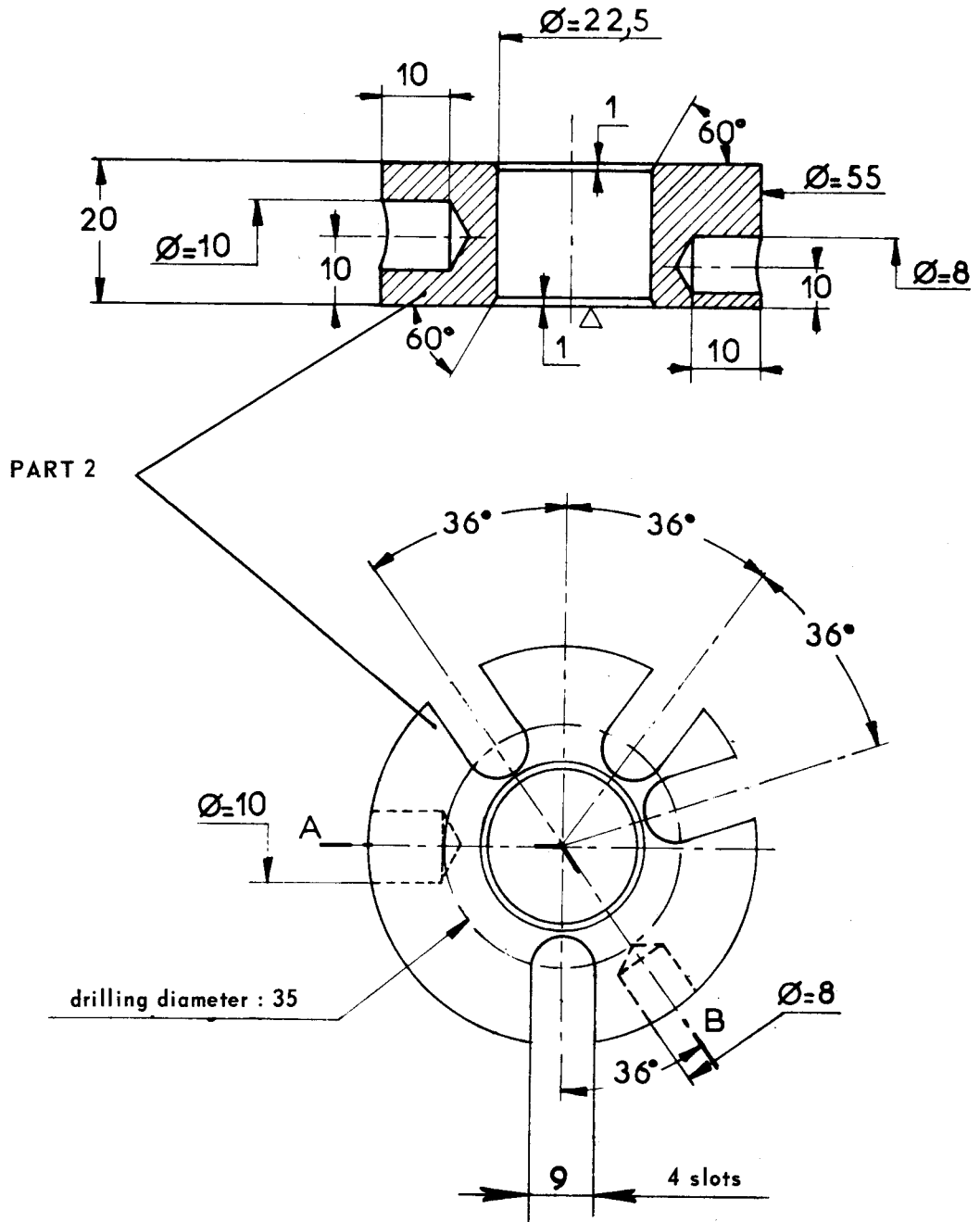
MR. 630-52/16
ex MR. 3365-290

Fig. 2

MR. 630-52/16
ex MR.3365-290

Fig. 3

SECTION AB

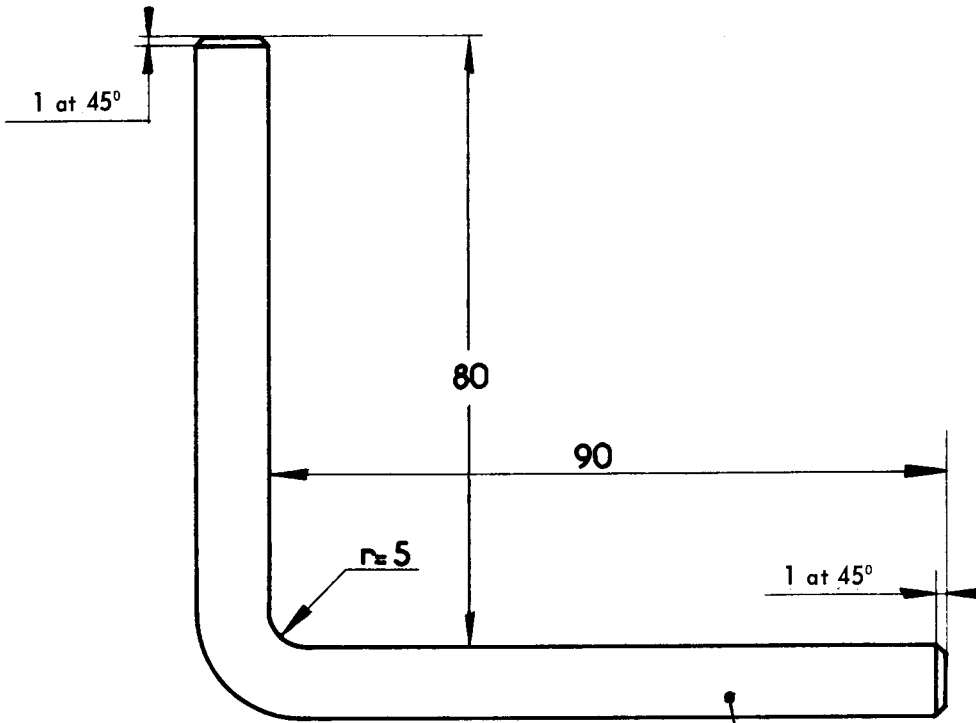


Manual 816-1

Material : semi-hard steel

MR. 630-52/16
ex MR. 3365-290

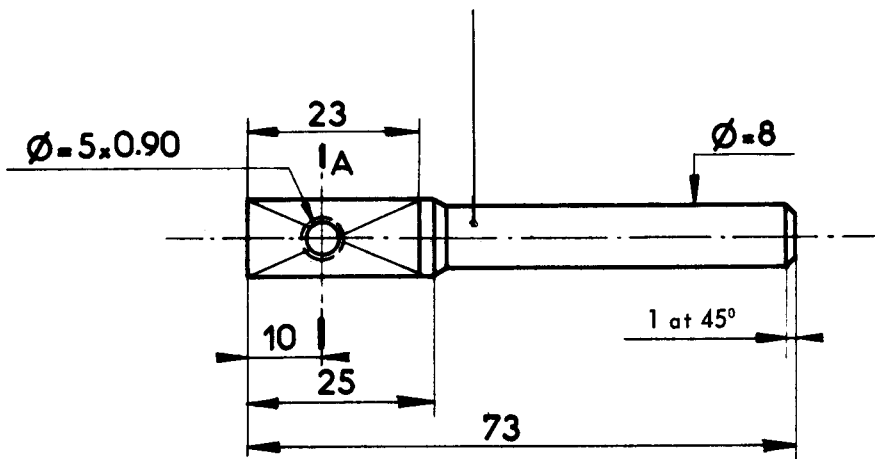
Fig. 4



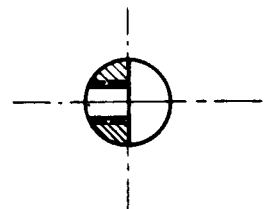
Material : stub steel - diameter : 10

PART 3

PART 1



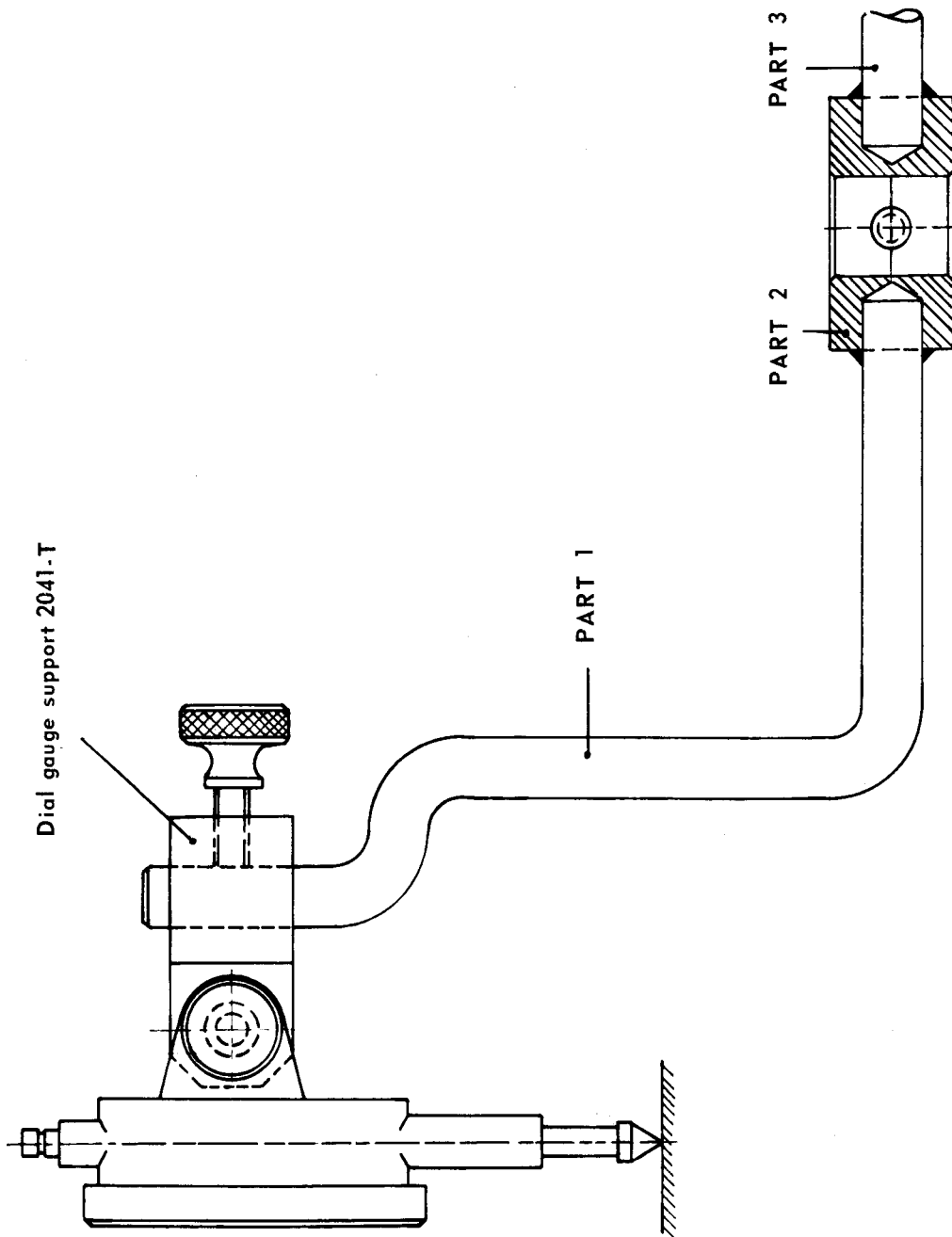
SECTION A



Material : stub steel - diameter : 10

SUPPORT FOR DIAL GAUGE USED FOR CHECKING THE CLUTCH CASING

Checking the joint flange for flatness



MR. 630-52/17
ex MR. 3365-300

Fig. 2

Manual 816-1

SUPPORT FOR DIAL GAUGE USED FOR CHECKING THE CLUTCH CASING

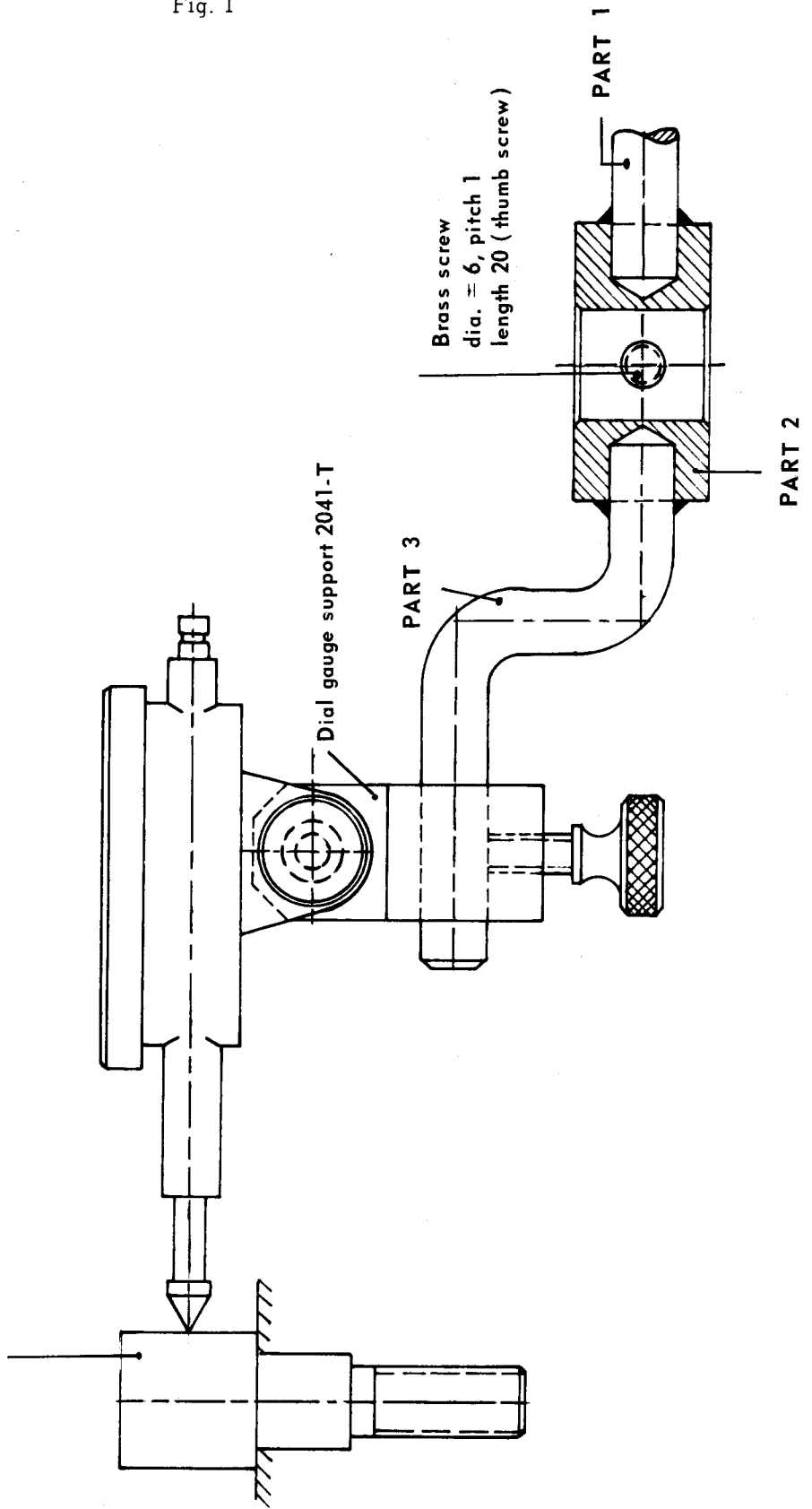
Checking the position of the bores for locating dowels

Peg MR. 630-52/17/4

MR. 630-52/17

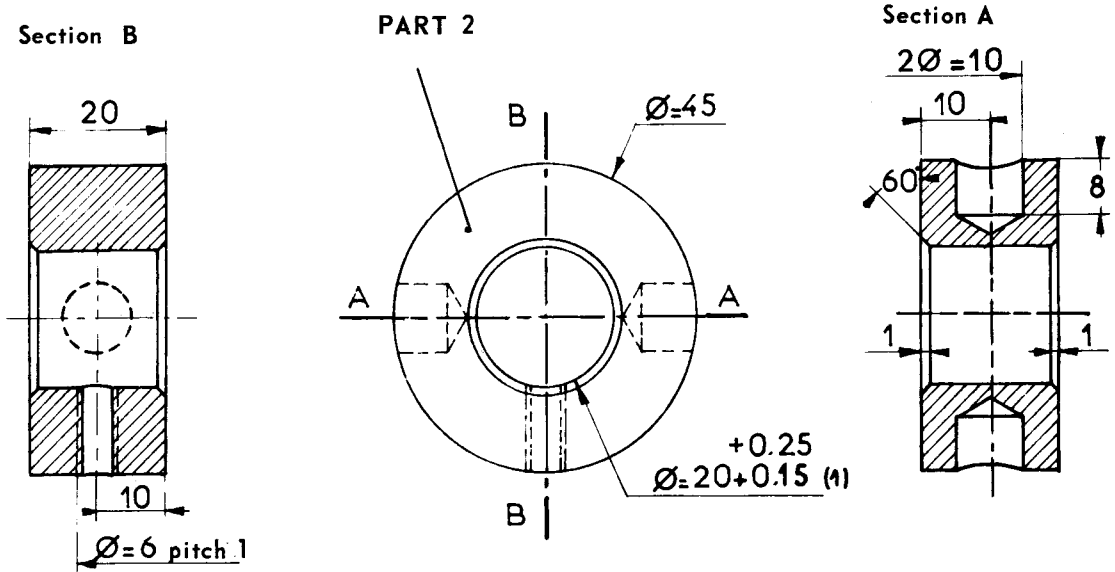
ex MR. 3365-300

Fig. 1

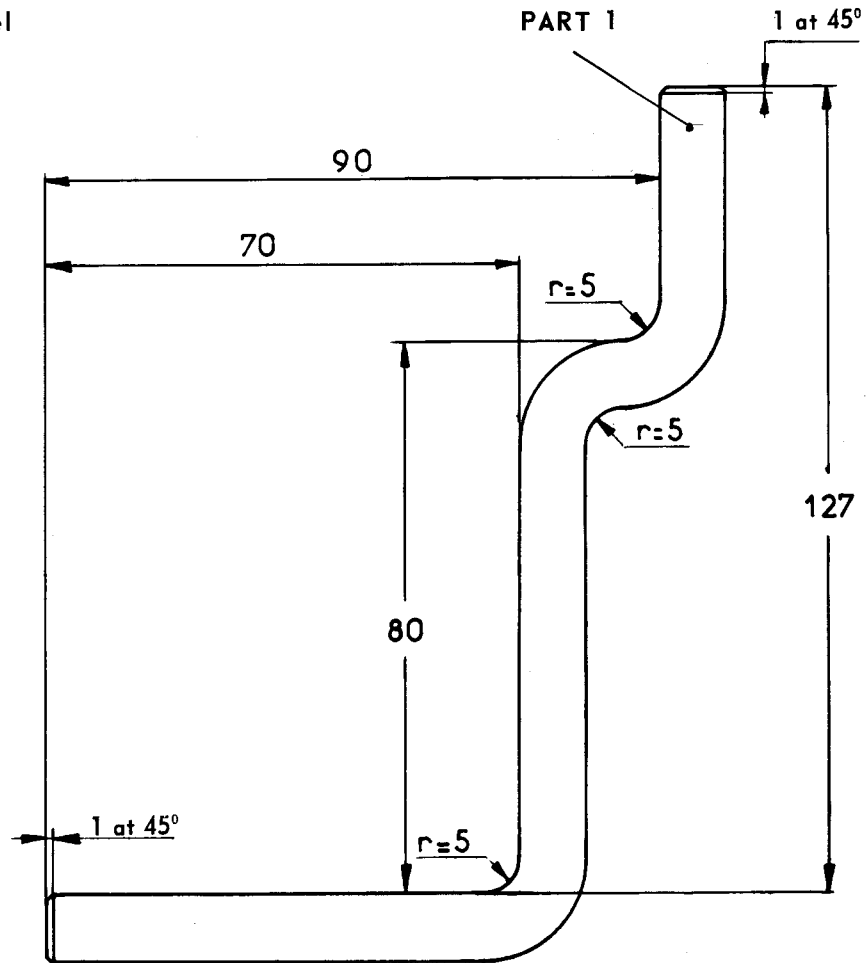


MR. 630-52/17
ex MR. 3365-300

Fig. 3



Material : semi hard steel

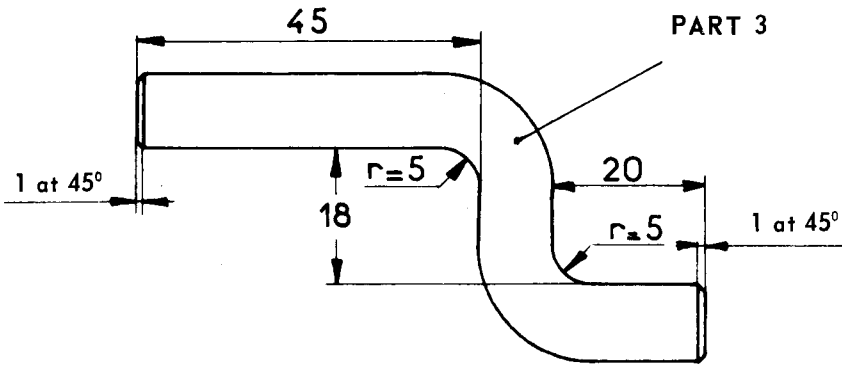


Material : stub steel dia. 10 mm

Manual 816-1

MR. 630-52/17
ex MR. 3365-300

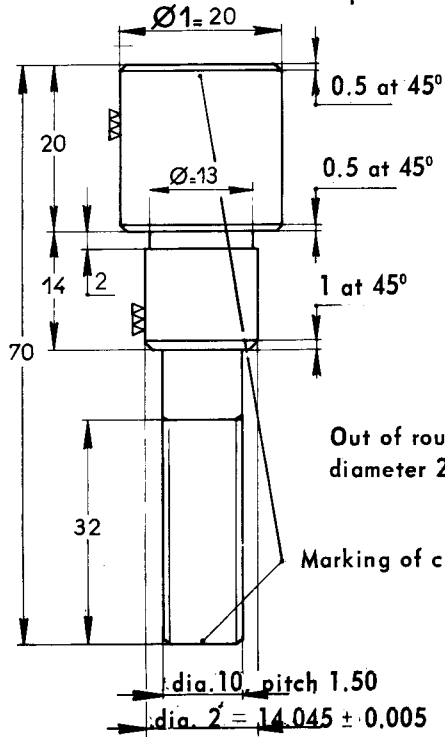
Fig. 4



Material : stub steel diameter 10

MR. 630-52/17/4
ex MR. 3365-304

The diameter 1 ($\phi 1$) of the two parts must be equal to within 0.01 mm



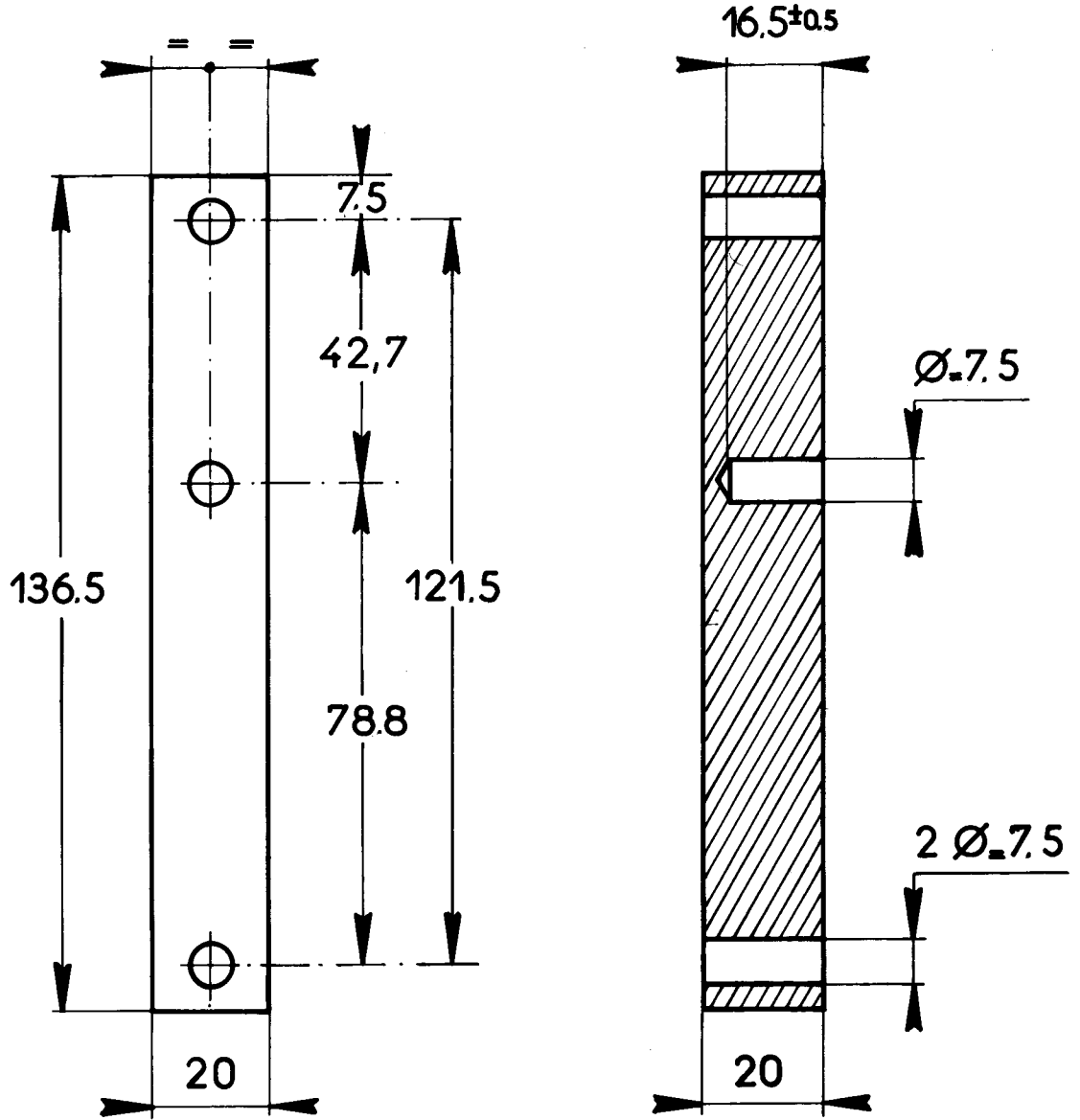
Out of round of diameter 1 ($\phi 1$) and diameter 2 ($\phi 2$) : 0.01 mm max.

Marking of centres possible

Semi hard steel

2 parts

MR. 630-64/21



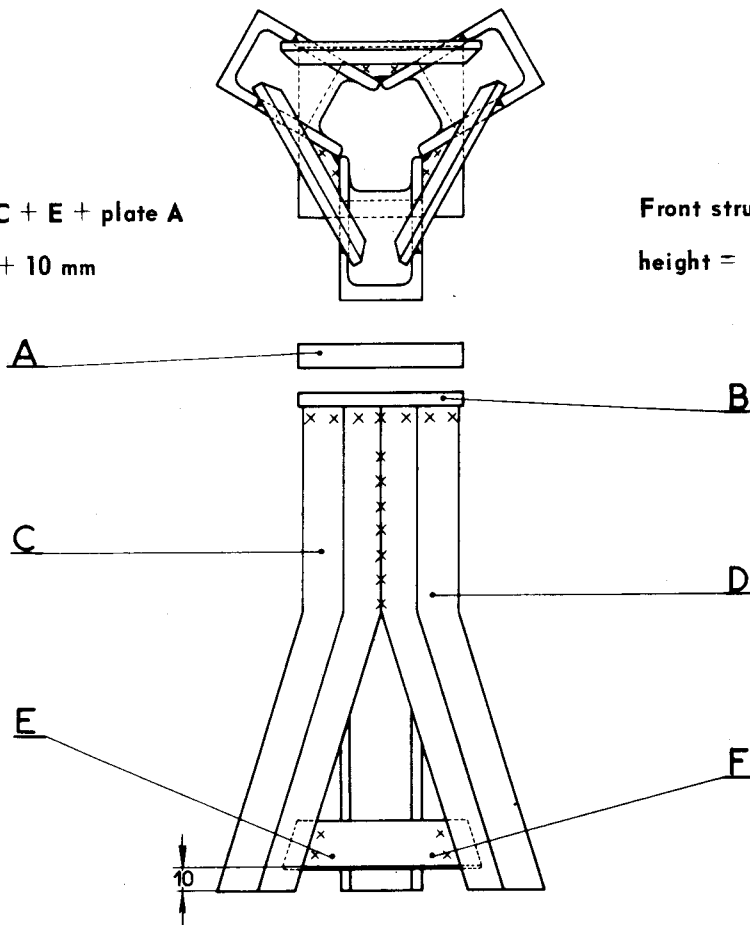
Manual 816-

Material : mild steel
or other hard material

MR. 630.51/9a

Rear strut : $B + C + E + \text{plate A}$
height = $284 \pm 1 + 10$ mm

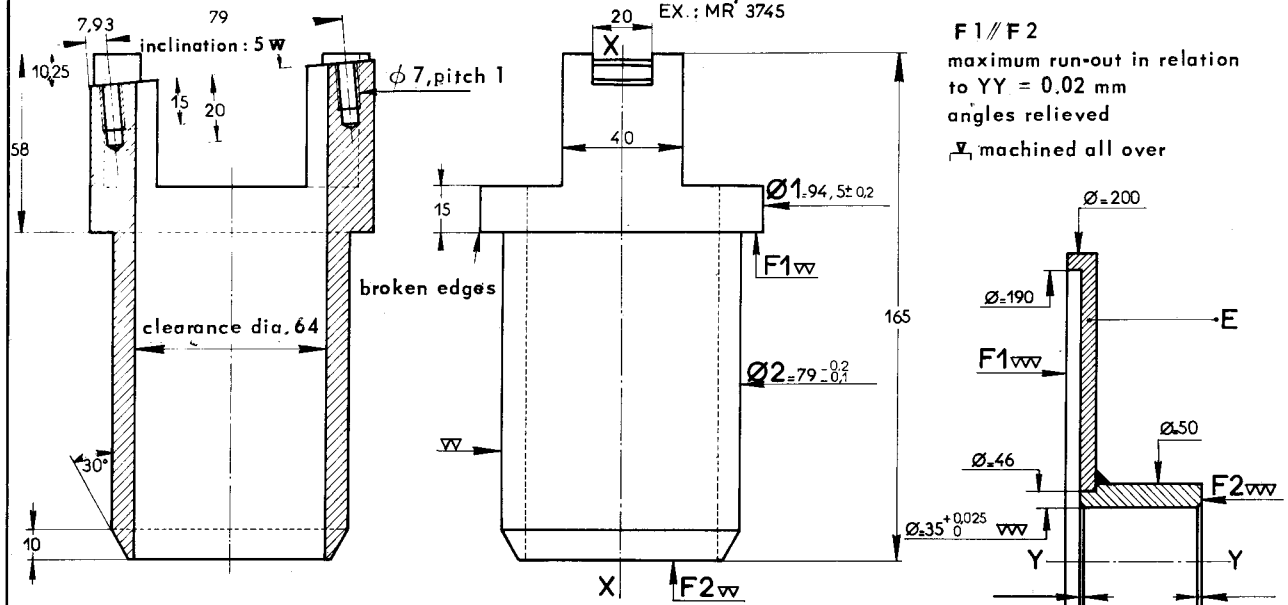
Front strut : $B + D + F$
height = 206 ± 1 mm



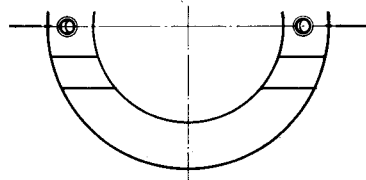
Manual 816-1

Ref	Qty	Material	Dimensions
A	1	Semi hard steel	70 × 70 thickness 10
B	1	Mild steel	70 × 70 thickness 6
C	3	Rear plate U iron 35 × 17.5	dev. length 298 C = 278 ± 1 D = 200 ± 1
D	3	Front plate U iron 35 × 17.5	dev. length 212 90 25°
E	3	Rear plate iron strip 20 × 4	length = 135
F	3	Front plate iron strip 20 × 4	length = 85

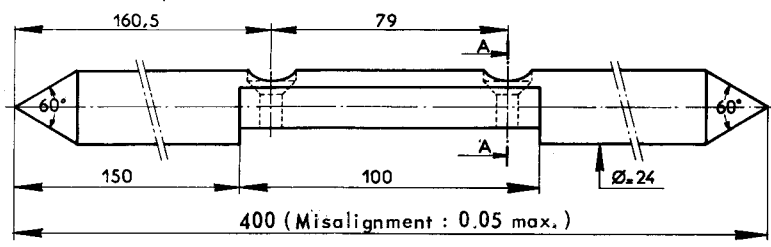
MR 630-51/46
EX.: MR 3745



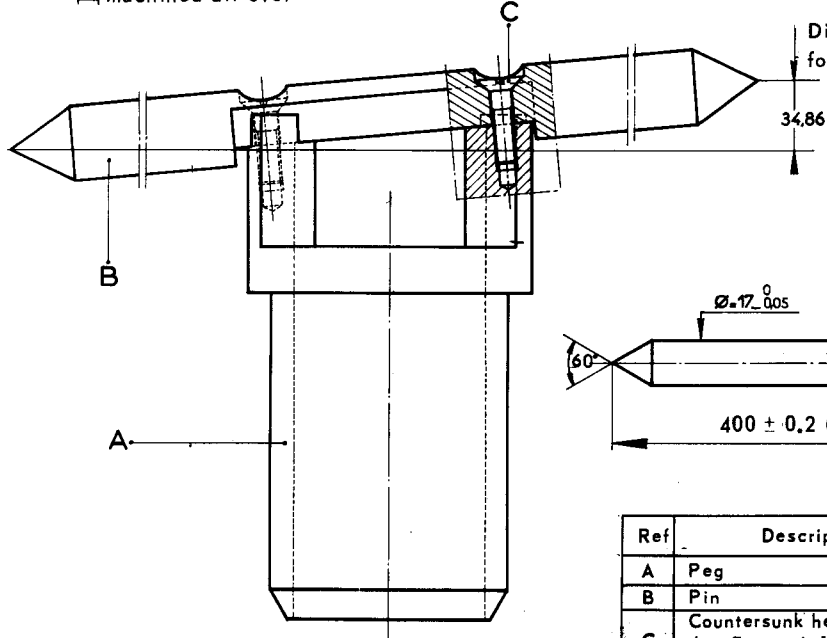
F1//F2
maximum run-out in relation
to YY = 0.02 mm
angles relieved
∇₁ machined all over



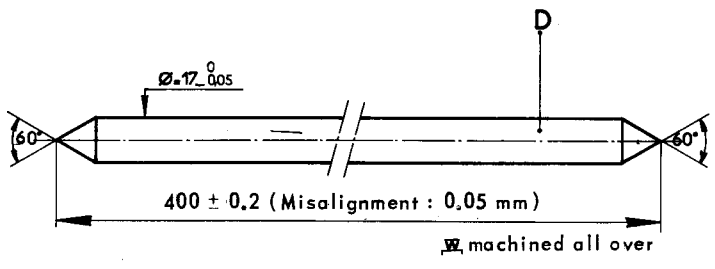
φ 1 and φ 2 concentric to within 0.02 mm
F1//F2 Maximum run-out in relation to
YY : 0.02 mm
∇₁ machined all over



∇₁ machined all over

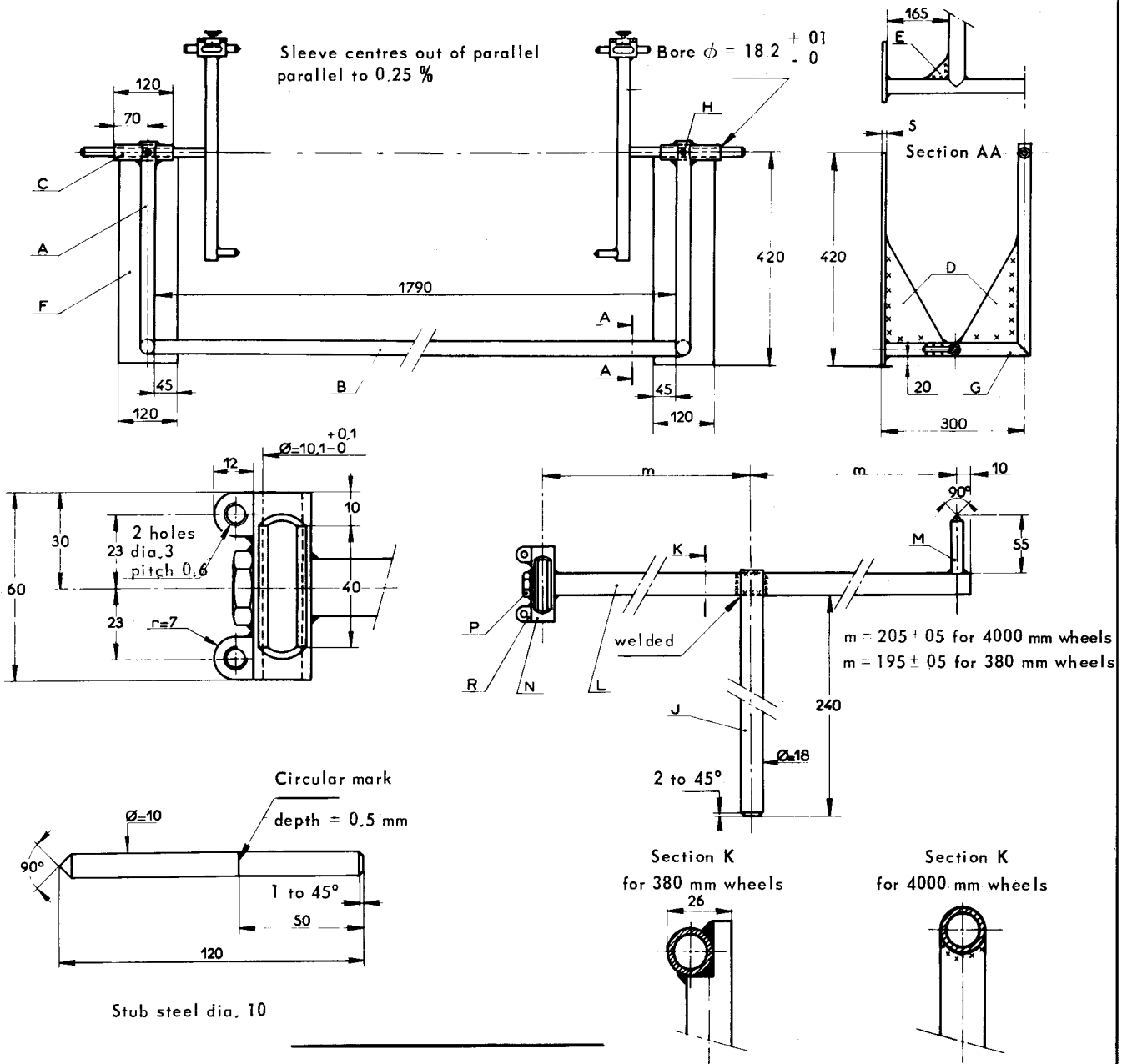


Difference in height of points
for an inclination of pin of 5°

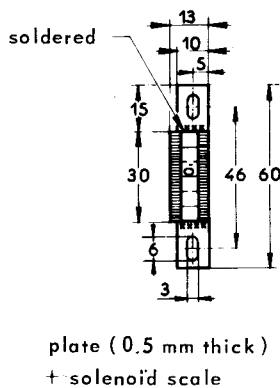
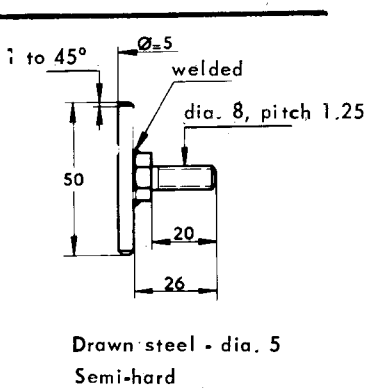
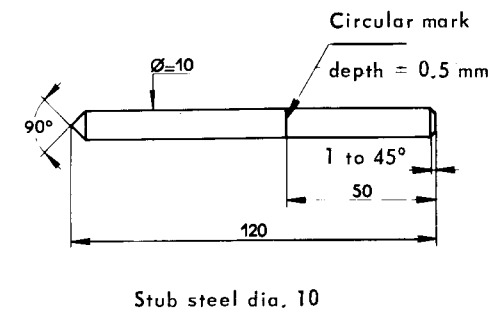


Ref	Description	Material	Quantity
A	Peg	Semi-hard steel	1
B	Pin	Semi-hard steel	1
C	Countersunk head screw dia. 7 - pitch 1 - length 25		2
D	Pin	Semi-hard steel	1
E	Plate	Semi-hard steel plate 10	1

MR 630-51/47
ex : MR 3756-20



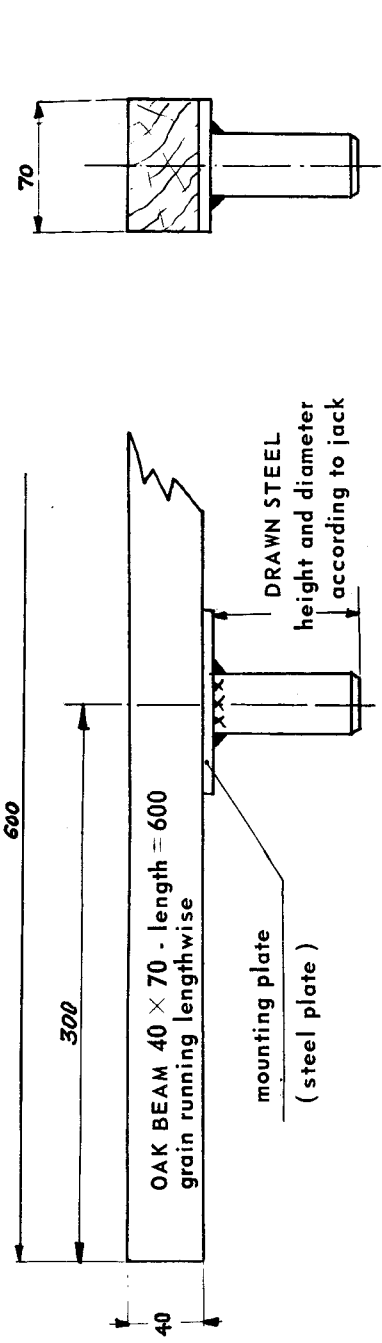
Manual 816-1



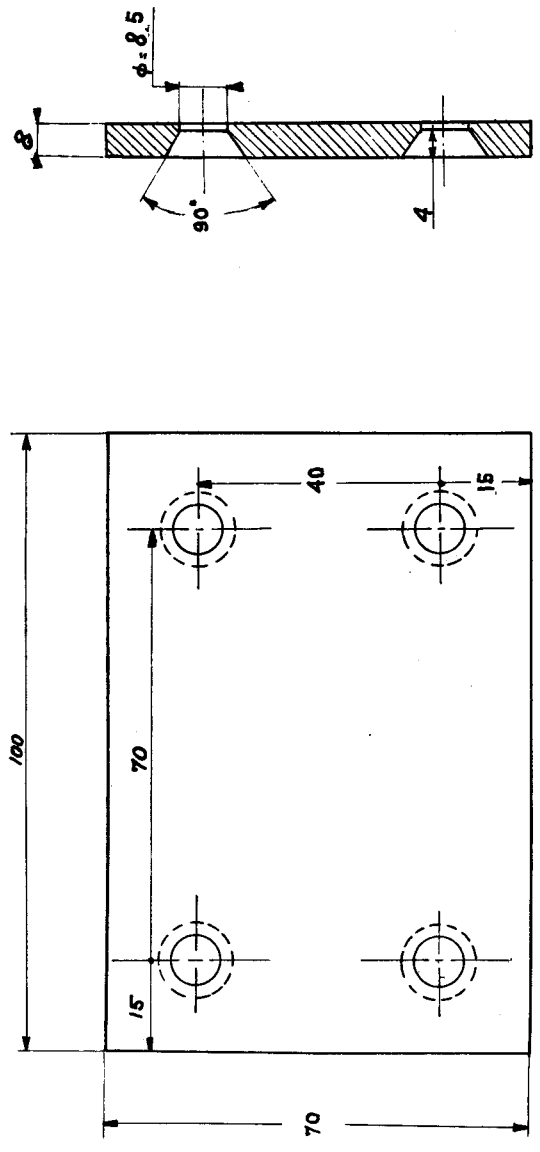
Ref	Description	Material	Qty
A	Fork support length = 420	tube $\phi 26 \times 30$	2
B	Spacer length = 1820	tube $\phi 26 \times 30$	1
C	Sleeve length = 140	tube $\phi 18 \times 26$	2
D	Gusset 200 x 120	5 mm plate	4
E	Gusset 50 x 50	5 mm plate	2
F	Plate length: 420-width:120	5 mm plate	2
G	Support length = 310	tube $\phi 26 \times 30$	2
H	Nut-dia.8,pitch1.25,h = 6		2
J	Rod welded to L	semi-hard steel	4
L	Support bar	tube $\phi 13 \times 18$	4
M	Fixed pin	stud dia. = 10	4
N	Vernier	tube $\phi 10 \times 18$	4
P	Nut-dia. 8, pitch 1.25, h = 6		4
R	Lugs	3 mm plate	8

Manual 816-1

MR. 630 - 41 / 3
ex MR. 3300 -70



DETAIL OF PLATE



Securing : 4 countersunk head screws
dia. = 8 - length = 40

