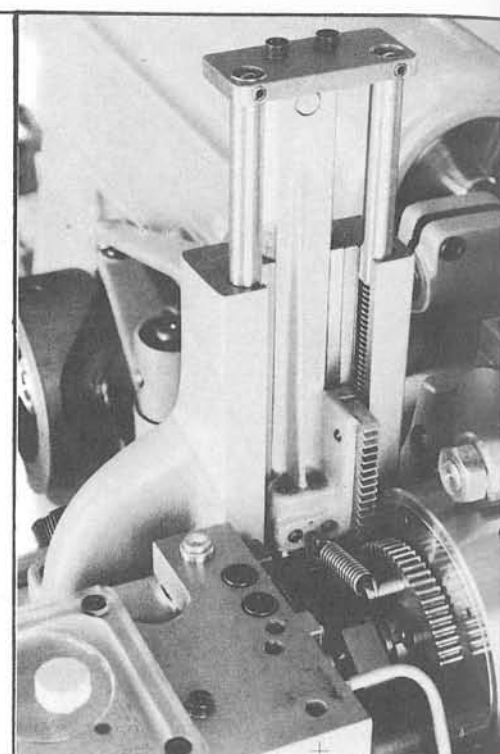
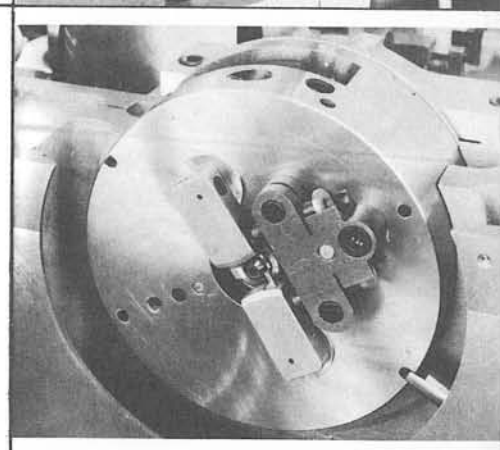
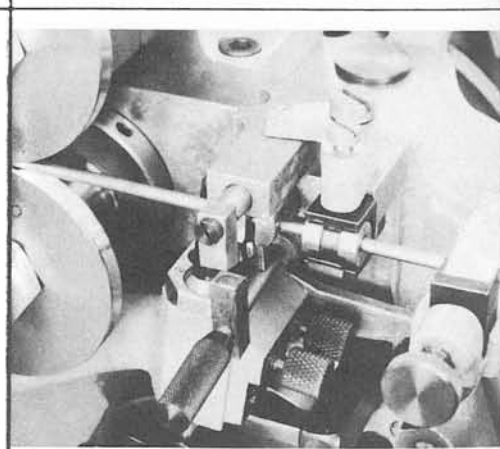
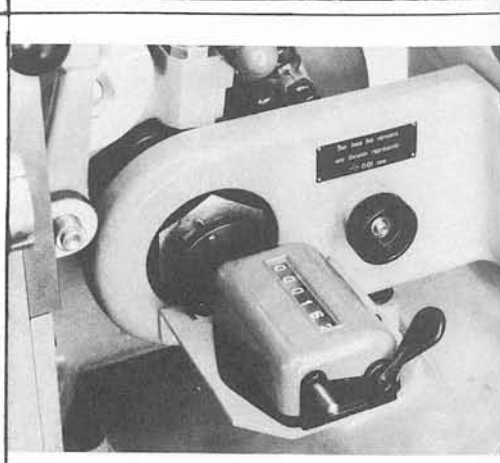
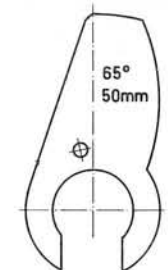
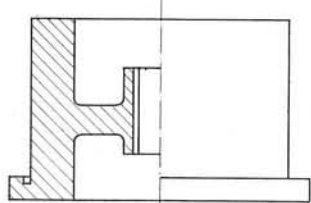
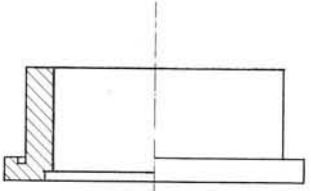
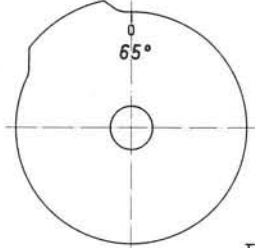
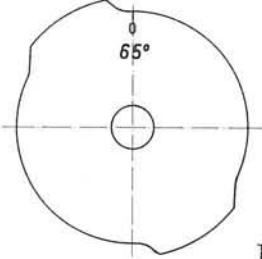
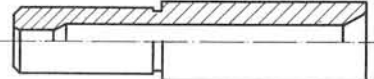
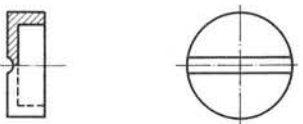
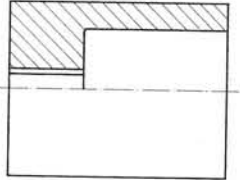
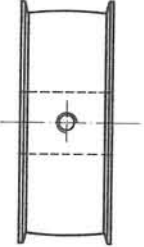

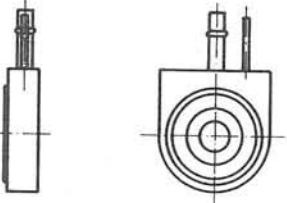
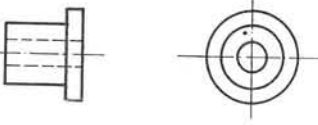
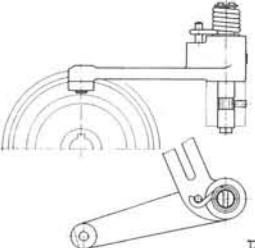


<p><u>Long feeding attachment AAD</u></p> <p>ratio 1 : 1 for feeding length up to 1.850" (48 mm)</p> <p>ratio 1 : 1,2 for feeding length up to 2-1/4" (57,5 mm)</p> <p>Fig. 1</p>	<p>AAD-Mp 2/1</p> <p>AAD-Mp 2/2</p>	
<p><u>Distance gauge JDD</u></p> <p>for exact setting of the distance between tools and outside ϕ of material</p> <p>Fig. 2</p>	<p>JDD-Mp 1</p>	
<p><u>Automatic stopping device DAD</u></p> <p>stops the camshaft if the material is damaged or irregular in ϕ in a way to jam in the guide bush</p> <p>Interchangeable bushes (according to ϕ of material)</p> <p>Fig. 3</p>	<p>DAD-Mp 1</p> <p>DAD-Mp 2</p>	
<p><u>Workpiece counter</u></p> <p>6 digits and zero resetting lever</p> <p>Fig. 4</p>	<p>D2-x-Mp 143</p>	

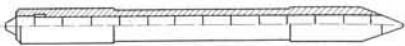
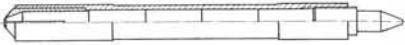
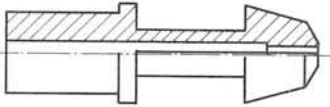
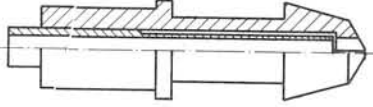
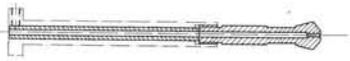

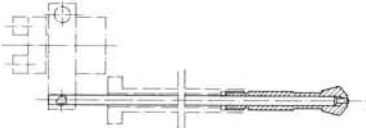

ACCESSORIES for AAD and straightener ARD

<p><u>Return cam</u> for long feeding attachment AAD 65°/50 mm 130°/50 mm * * in combination with clutch segment D2-x-Mp 204 (Fig. 40)</p>	<p>AAD-34 AAD-67</p>	 <p>Fig.5</p>
<p><u>Slide and locking cam</u> straightener ARD for 1 return of 65° for 1 return of 40° for 2 symmetrical returns of 65°</p>	<p>ARD-a- 11 ARD-h- 3 ARD-h- 9</p>	 <p>Fig.6</p>
<p><u>Cam with interchangeable insert ring</u> for the slide and locking device of straightener ARD (can only be used with attachment ARD-h-Mp 18 (Fig. 17))</p>	<p>ARD-h-Mp 19</p>	 <p>Fig.7</p>
<p><u>Control cam for straightening jaw of ARD</u> for 1 return of 65° for 1 return of 40°</p>	<p>ARD-a-83 ARD-h- 2</p>	 <p>Fig.8</p>
<p>for 2 returns of 65°</p>	<p>ARD-h-10</p>	 <p>Fig.9</p>
<p><u>Guide sleeves for ARD</u> sizes: 0,5 - 0,7 - 0,9 - 1,2* - 1,5 - 1,8 - 2,2* - 2,6 - 3,2* - 4,3* - 5,3 mm bore *supplied with machine</p>	<p>ARD-g- 1</p>	 <p>Fig.10</p>
<p><u>Material clamping jaws with semi-spherical-or V-grooves</u> for the wire clamping device of straightener ARD (for straightening very soft material or thin tubing)</p>	<p>ARD-h-25</p>	 <p>Fig.11</p>

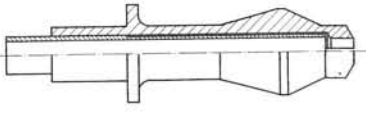
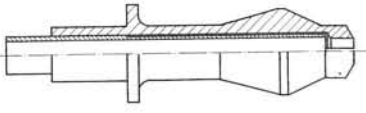
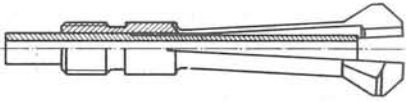
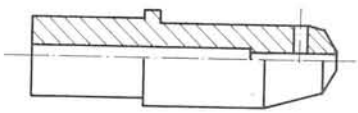
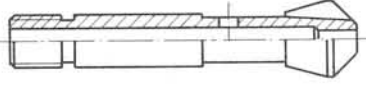
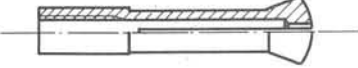
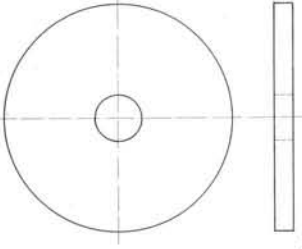
ACCESSORIES for straightening device ARD

<p><u>Pulleys for motor (fig. 12) and rotor (fig. 13) of straightener ARD</u></p> <p>for 700 r.p.m. motor rotor belts: 20 x 900 mm</p> <p>for 1400 r.p.m. motor rotor belts: 20 x 900 mm</p> <p>for 2800 r.p.m. motor rotor belts: 20 x 900 mm</p> <p>for 4800 r.p.m. motor rotor belts: 20 x 870 mm</p>	<p>ARD-h-16/a ARD-h-17</p> <p>ARD-h- 6/a ARD-h- 7</p> <p>ARD-h-22/a ARD-h-23'</p> <p>ARD-h-22/a ARD-h-18</p>	 <p>Fig.12</p>  <p>Fig.13</p>
<p><u>Straightening jaws of vulcanized fibre</u> widht: (5 x ϕ of material) 2-3-4-5-6-8-10-12-15-18 mm</p> <p><u>Straightening jaws of mild steel</u> widht: (5 x ϕ of material) 2-3-4-5-6-8-10-12-15-18 mm</p> <p><u>Straightening jaws tungsten carbide</u> for material ϕ up to .02" (0,5 mm) over .02" (0,5 mm) - .04" (1,0 mm) over .04" (1,0 mm) - .08" (2,0 mm) over .08" (2,0 mm) - .12" (3,0 mm) over .12" (3,0 mm) - .16" (4,0 mm)</p>	<p>ARD-g-4/ 2-18</p> <p>ARD-h-24/2-18</p> <p>ARD-g- 6/1-2 ARD-g- 7/1-2 ARD-g- 8/1-2 ARD-g- 9/1-2 ARD-g-10/1-2</p>	 <p>Fig.14</p>
<p><u>Rotating bush-holders</u> for straightening of material up to .16" (4,0 mm)</p> <p>to be used with bushes (fig. 16)</p>	<p>D6-14-Mp136/1-3</p>	 <p>Fig.15</p>
<p><u>Straightening bushes</u> to be used with rotating bushes-holders D6-14-Mp 136/1-3 (fig. 15)</p> <p>- of plastic - of tungsten carbide</p>	<p>D6-14-1654 D6-14-1697</p>	 <p>Fig.16</p>
<p><u>Control device of straightening slide</u> with spring return, for double asymmetrical straightening action for 1 cam revolution; to be used with cam ARD-h-Mp 19 (fig. 7) with interchangeable insert ring</p>	<p>ARD-h-Mp 18</p>	 <p>Fig.17</p>

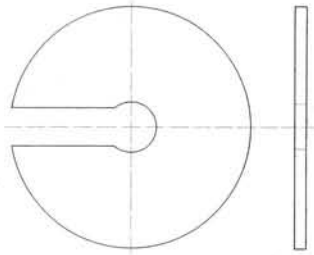
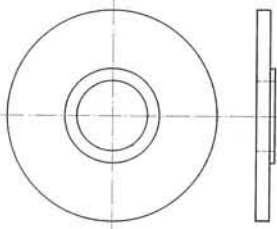
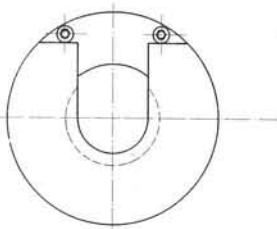
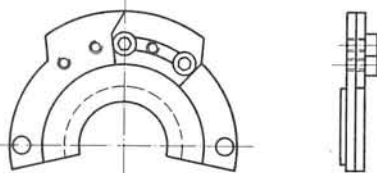
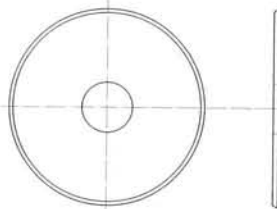
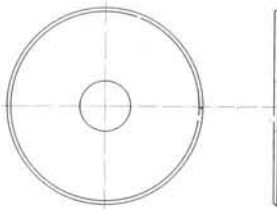
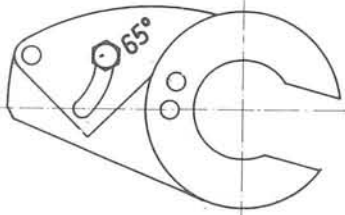
ACCESSORIES for ESCOMATIC Types D2 and D4

<p><u>Guide bushes</u> for material ϕ up to .02" (0,5 mm) over .02" (0,5) - .04" (1,0 mm) over .04" (1,0) - .16" (4,0 mm)</p>	<p>D2-p-Mp 24 D2-p-Mp 25 D2-p-Mp 26</p>	 <p>Fig.18</p>
<p><u>Adjustable guide bush</u> minimal quote +/- 0,05 for material .012"- .12" (0,3 - 3,0 mm)</p>	<p>D2-p-Mp 63/1-3</p>	 <p>Fig.19</p>
<p><u>D2-Counter-collets, standard execution</u> for material ϕ : from .02" (0,5mm) - .04" (1,0 mm) from .04" (1,0 mm) - .10" (2,5 mm) from .10" (2,5 mm) - .16" (4,0 mm) from .16" (4,0 mm) - .20" (5,0 mm) * on DS1 with collet holder D-o-1894 (fig. 43) and on D2 with collet holder D2-x-Mp 153 (fig. 43)</p>	<p>D2-p-1588 D2-p-1589 D2-p-1590 D2-p-1896*</p>	 <p>Fig.20</p>
<p><u>D2-Counter-collets with inner tube</u> for material ϕ up to .012" (0,3 mm) tube over .012" (0,3 mm) -.06 " (1,5 mm) tube over .06 " (1,5 mm) -.12 " (3,0 mm) tube</p>	<p>D2-p-1591/2 D2-p-1592 D2-p-1591/1 D2-p-1592 D2-p-1593 D2-p-1594</p>	 <p>Fig.21</p>
<p><u>D4-Counter-collets</u> <u>fig. 22: simple</u> collet guide tube <u>fig. 23: with inner tube</u> collet inner tube guide tube <u>fig. 24: with steady ejector</u> collet ejector pin <u>fig. 25: with spring ejector</u> ejector pin collet spring stopper</p>	<p>D4-p-2046/2 D4-p-2113 D4-p-2046/1 D4-p-2467 D4-p-2113 D4-p-2046/1 D4-o-2104 D4-p-2109 D4-p-2046/1 D4-o-2108 D4-o-2111</p>	 <p>Fig.22</p>  <p>Fig.23</p>  <p>Fig.24</p>  <p>Fig.25</p>

ACCESSORIES for ESCOMATIC Types D2 and D4

<p><u>D2 special collet</u> for clamping over a shoulder on a diameter up to .02" (0,5 mm) smaller than the stock tube <u>must be fitted with the following parts on DS 1 and DS 2a</u></p>	<p>D2-p-1892 D2-p-1893</p>	
<p>collet holder D2-x-Mp 154 (Fig. 43) and tapered sleeve D-o-1890 (Fig. 45) <u>and on D2 with</u> collet holder D2-x-Mp 154 (Fig. 43) and tapered sleeve D2-x-1891 (Fig. 45)</p>		 <p style="text-align: right;">Fig.26</p>
<p><u>D4 special collet with large opening</u> for clamping over a shoulder on a diameter up to .08" (2,0 mm) smaller than the material; can only be used with collet holder D4-x-Mp 206 (Fig.51) and segments D4-u-2088/3 + D4-u-2362/3 (Fig. 41 + 42)</p>	<p>D4-p-2565 + 2569</p>	 <p style="text-align: right;">Fig.27</p>
<p><u>D2 counter-bush</u> (instead of counter-collet) for material ϕ up to .10" (2,5 mm) over .10" (2,5 mm) - .16" (4,0 mm)</p>	<p>D2-p-1596 D2-p-1597</p>	 <p style="text-align: right;">Fig.28</p>
<p><u>D4 counter-bush</u> (instead of counter-collet) for material ϕ up to .16" (4,0 mm)</p>	<p>D4-p-2477</p>	 <p style="text-align: right;">Fig.29</p>
<p><u>D4 turret tool collet</u> up to .16" (4,0 mm)</p>	<p>D4-p-2206</p>	 <p style="text-align: right;">Fig.30</p>
<p><u>Cam blank</u> cam ϕ 102 mm for tool Nr. 1 D4 turret tools and counter-collet cam ϕ 90 mm for toll Nr. 2</p>	<p>D2-p-1570 D2-p-1571</p>	 <p style="text-align: right;">Fig.31</p>

ACCESSORIES for ESCOMATIC Types D2 and D4

<p><u>Feed cam</u> 160 mm diameter blank</p>	<p>D2-p-1569</p>		<p>Fig.32</p>
<p><u>D2 Cam blank</u></p>	<p>D2-p-1572</p>		<p>Fig.33</p>
<p><u>D2 Cam blank with segment to shut opening of cam</u></p>	<p>D2-p-Mp 155</p>		<p>Fig.34</p>
<p><u>D2 Adjustable collet cam for control of collets</u> from 36° - 72° from 72° - 144° from 144° - 270°</p>	<p>D2-p-Mp 156 D2-p-Mp 157 D2-p-Mp 158</p>		<p>Fig.35</p>
<p><u>Material feed rollers</u> with V-groove</p>	<p>D2-p-1574/1</p>		<p>Fig.36</p>
<p>with radius groove</p>	<p>D2-p-1574/2</p>		<p>Fig.37</p>
<p><u>Cam for return of feed lever</u> 65° with movable segment 40° without segment</p>	<p>D2-o-Mp 132</p>		<p>Fig.38</p>

ACCESSORIES for ESCOMATIC Types D2 and D4

Clutch segment

to control the stock feeding device
for mechanical feeding device

- 1 x 65°
- 1 x 40°
- 2 x 65°

- D2-o-1558*
- D2-o-1559
- D2-o-2127

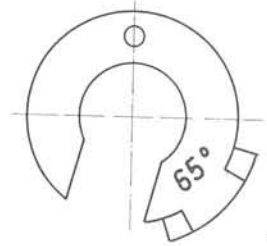


Fig.39

for hydraulic feeding device

- 1 x 65°
- 1 x 40°
- 2 x 65°
- 1 x 130°

- D2-o-Mp 126*
- D2-x-Mp 127
- D2-x-Mp 141
- D2-x-Mp 204

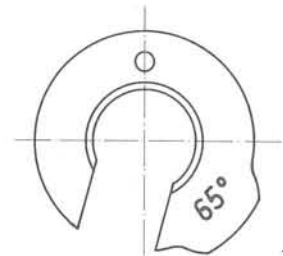


Fig.40

* supplied with machine

D4 Segments for opening and closing the counter-collet and starting the turret D4

- Fig. 41: up to 16 pcs/min. 10°
 from 18-32 pcs/min. 15°
 from 35-50 pcs/min. 20°

- D4-u-2088/1
- D4-u-2088/2
- D4-u-2088/3

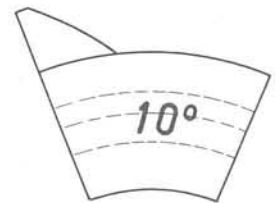


Fig.41

- Fig. 42: up to 16 pcs/min. 10°
 from 18-32 pcs/min. 15°
 from 35-50 pcs/min. 20°

- D4-u-2362/1
- D4-u-2362/2
- D4-u-2362/3

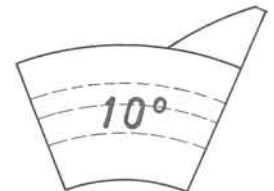


Fig.42

DS 1 and DS 2a collet holders

for material up to .16" (4 mm)
for material over .16" (4 mm)

- D-o-1567*
- D-o-1894

special short execution for collet
D2-p-1892 (Fig. 26)

- D-o-1888

D2 collet holders

for material up to .16" (4 mm)
for material over .16" (4 mm)

- D2-o-Mp 151*
- D2-x-Mp 153

special short execution for collet
D2-p-1892 (Fig. 26)

- D2-x-Mp 154

* supplied with machine

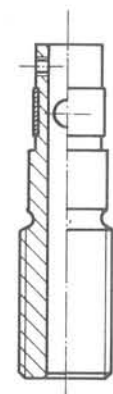


Fig.43

Special tool holder

for tool head D-h (Fig. 46)
displaced by .08" (2 mm)

- Nr. 1
- Nr. 2

- D-o-Mp 167/1
- D-o-Mp 167/2

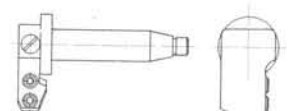
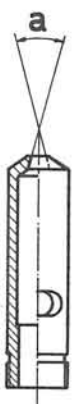
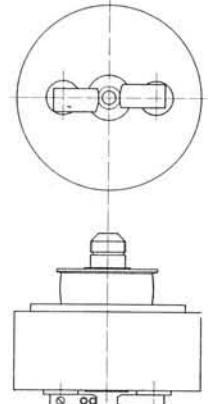
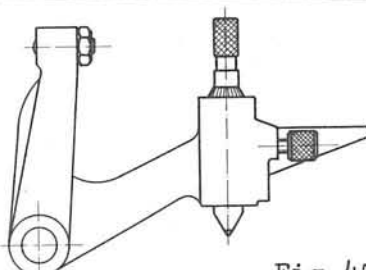
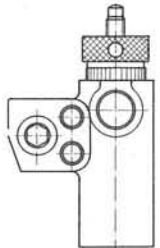
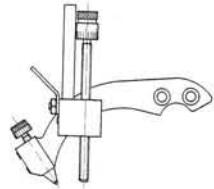
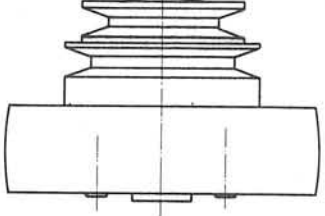
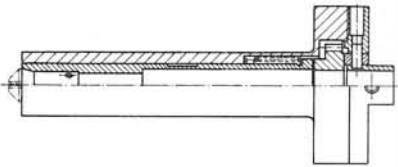

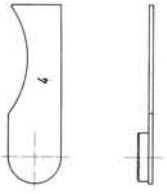
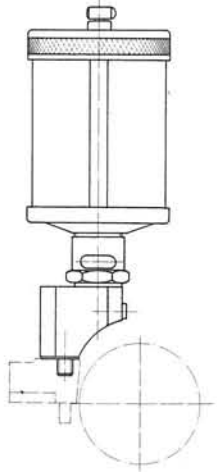
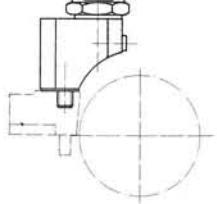


Fig.44

ACCESSORIES for ESCOMATIC Types D2 and D4

<p><u>Tapered sleeve for closing the counter-collet</u> standard execution, taper (a): 30° for machine up to .1" (2,5 mm) ϕ for machine over .1" (2,5 mm) ϕ special execution, taper (a): 50° for collet D2-p-1892 (fig. 26)</p> <p><u>For D2</u> reinforced for material up to .1" (2,5 mm) ϕ taper (a): 30° reinforced for material over .1" (2,5 mm) ϕ taper (a): 30° special execution with taper (a): 50° for collet D2-p-1892 (fig. 26) execution without reinforced for clamping workpiece close to the tools, taper (a): 30° for stock up to .1" (2,5 mm) ϕ for stock over .1" (2,5 mm) ϕ</p>	<p>D-o-313/1 D-o-313/2</p> <p>D-o-189o</p> <p>D2-o-1629/1 D2-o-1629/2</p> <p>D2-x-1891</p> <p>D2-x-199o/1 D2-x-199o/2</p>	 <p style="text-align: right;">Fig.45</p>
<p>a) <u>Tool head D-h</u> standard execution, ratio 1:3 special execution, ratio 1:2 to be used with tool levers D2-x-Mp 2o2* and D2-x-Mp 2o3** special execution, ratio 1:6, to be used with tool levers D2-x-Mp 2oo* and D2-x-Mp 2ol**</p> <p>b) <u>Reinforced tool head</u> standard execution, ratio 1:3 special execution, ratio 1:2 to be used with tool levers D2-x-Mp 2o2* and D2-x-Mp 2o3** special execution, ratio 1:6 to be used with tool levers D2-x-Mp 2oo* and D2-x-Mp 2ol** (*fig.47-** 48)</p>	<p>D2-h-Mp 73/3</p> <p>D2-h-Mp 73/2</p> <p>D2-h-Mp 73/6</p> <p>D2-r-Mp 71/3</p> <p>D2-r-Mp 71/2</p> <p>D2-r-Mp 71/6</p>	 <p style="text-align: right;">Fig.46</p>
<p><u>Special tool levers</u> ratio 1:2 to be used with tool head D2-r-Mp 71/2 or D-h-Mp 73/2 (fig. 46) ratio 1:6 to be used with tool head D2-r-Mp 71/6 or D-h-Mp 73/6 (fig. 46)</p>	<p>D2-x-Mp 2o2</p> <p>D2-x-Mp 2oo</p>	 <p style="text-align: right;">Fig.47</p>
<p><u>Special micrometer stops (fixing)</u> (micrometer scr w) ratio 1:2 to be used with tool head D2-r-Mp 71/2 or D-h-Mp 73/2 (fig. 46) ratio 1:6 to be used with tool head D2-r-Mp 71/6 or D-h-Mp 73/6 (fig. 46)</p>	<p>D2-x-Mp 2o3</p> <p>D2-x-Mp 2ol</p>	 <p style="text-align: right;">Fig.48</p>

ACCESSORIES for ESCOMATIC Types D2 and D4

<p><u>Special feed lever</u></p> <p>ratio: 1 : 3</p>	<p>D2-x-Mp 152</p>	 <p>Fig.49</p>
<p><u>Special pulley</u></p> <p>for 8000 r.p.m. tool head speed</p> <p>belts: 14 x 1,5 x 1730 mm</p>	<p>D2-x-Mp 208</p>	 <p>Fig.50</p>
<p><u>Special collet-holder</u></p> <p>for D4 counter--collet with large opening (D4-p-2565)-(Fig. 27)</p>	<p>D4-x-Mp 206</p>	 <p>Fig.51</p>
<p><u>Adjusting lamp</u></p> <p>with articulated arm and embodied switch, E 14 bulb</p>	<p>L O D</p>	 <p>Fig.52</p>
<p><u>Tracing gauges</u></p> <p>Nr. 4 - for feed cam standard ratio 1:2</p> <p>Nr. 5 - for feed cam standard ratio 1:3</p> <p>Nr. 6 - for turett tool cams of D4</p>	<p>D2-v-A 88</p> <p>D2-v-A 89</p> <p>D4-v-A 111</p>	 <p>Fig.53</p>
<p><u>Drip lubricator</u></p> <p>capacity : 200 cm³</p>	<p>GHD-Mp 1</p>	
		 <p>Fig.54</p>

SPARE PART LIST

IMPORTANT:

All orders for spare parts must state the following information:

- 1) the type and serial number of the machine
- 2) the number of the item represented on the assemblage drawing
- 3) the number of the assemblage drawing

List of machine groups

For straightening device ARD

Frame and camshaft	a
Slide	b
Straightening rotor	c
Wire locking device	d
Chain drive wheel	e

[Home](#)

For ESCOMATIC D4

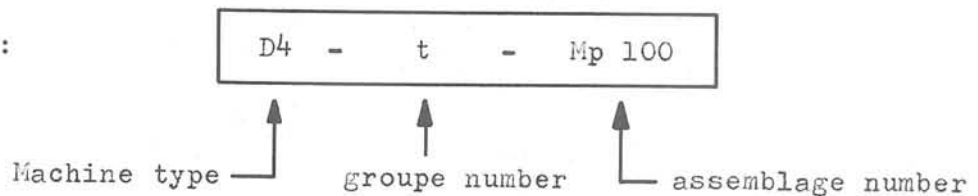
Gear box and stock feeding device	a
Manual control device	b
Tool head cover and control lever for the tools	e
Stock clamping device	s
Coolant system for the tools	i
Base and counter-shafts	j
Coil dereeler	l
Tool head	m
Plate with turret	r
Frame with control mechanism for turret	t
	u

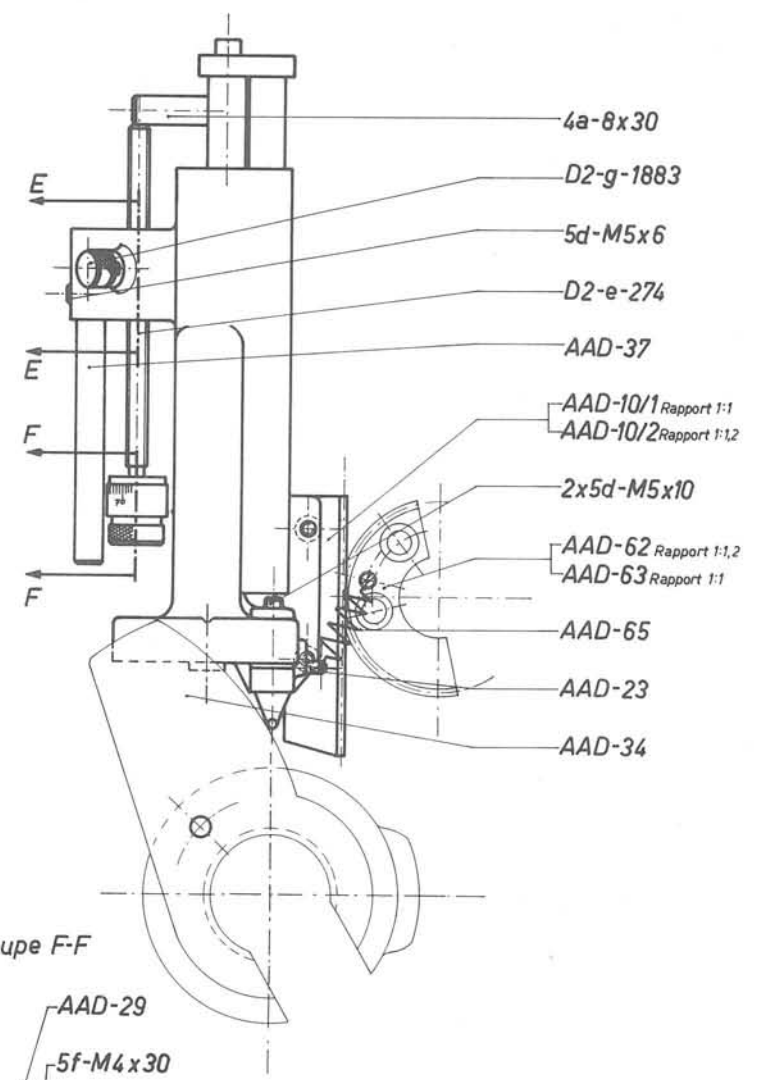
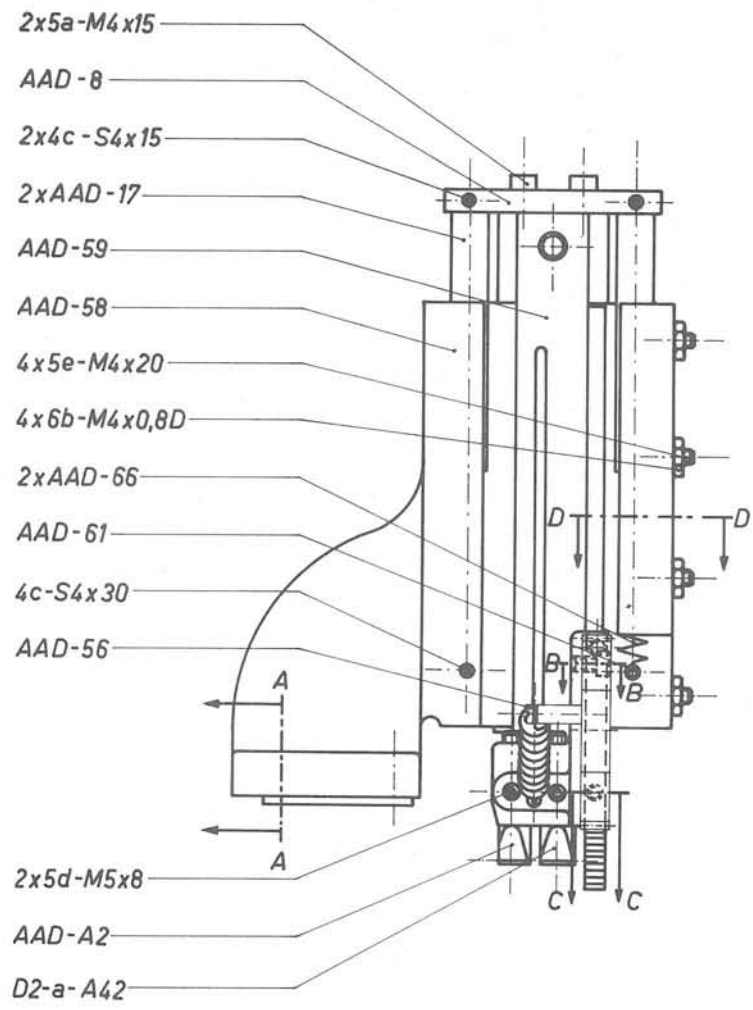
[Links](#)

- A
- B
- G
- I
- J
- L
- M
- R
- T
- U

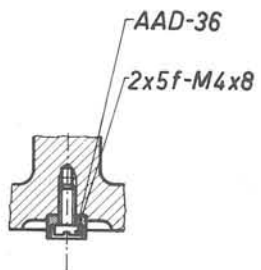
The numbers of the assemblage drawings are composed as follows:

Example:

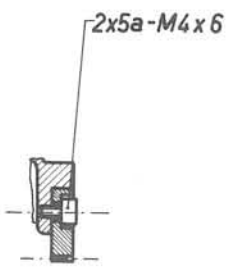




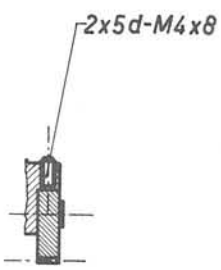
Coupe A-A



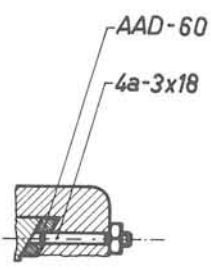
Coupe B-B



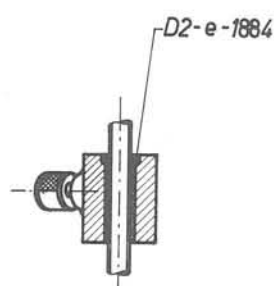
Coupe C-C



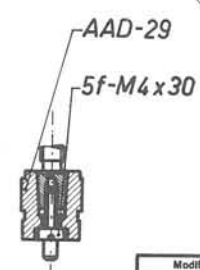
Coupe D-D



Coupe E-E



Coupe F-F



LONG PART FEED
ATTACHMENT

[Home](#)

AAD-MP2/1-2

Modifications	Pour les cotés sans tolérances, voir feuille 00001	Echelle	Mètre	Dessiné	78
	* Cote résultante des tolérances	1/1		Date	20.3.63
	App: avancement.		Remplace		
			Remplacé par		
ESCO S.A. Les Geneveys s. Coffrane			AAD-MP2/1-2		

E
 ↓

Vue de H sans la protection ARD-a-61

- ARD-h-17 700 1/min
- ARD-h-7 1400 1/min
- ARD-h-23 2800 1/min
- ARD-h-18 4800 1/min

- 5d-M6x12 ARD-h-17/7/23
- 5d-M6x10 ARD-h-18
- 5d-M5x8
- ARD-a-63
- ARD-a-Mp8/1

- ARD-g-1
- ARD-b/c-Mp6
- 5k-M6x15
- 6b-M6
- 7a-Ø6,4
- ARD-a-Mp4
- ARD-a-Mp24
- ARD-a-Mp14
- ARD-a-Mp15

F →

← G

- ARD-a-55
- 3a-E12x1

- ARD-a-1
- ARD-a-54
- 2x4b-8x35
- ARD-a-50
- 8e-1388 M 10n
- 6b-M6
- 5d-M6x20
- ARD-a-79
- 3x5a-M6x20

Straightener
 Straighten

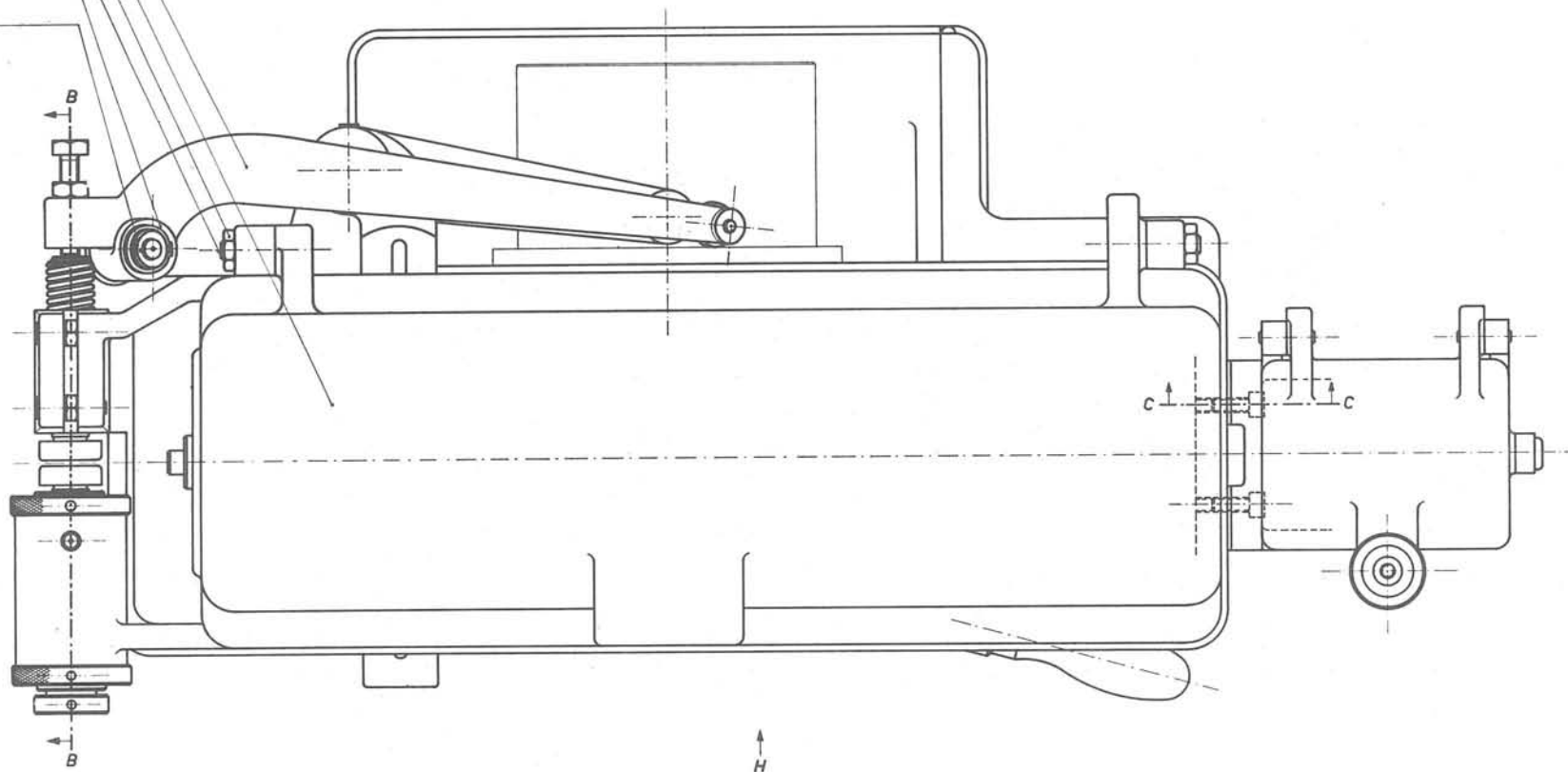
[Home](#)

ARD-a-Mp11
 Feuille 1-

Modifications	Par les codes sans le dessin, voir feuille 1000 1	Echelle	Matériau	Dessiné
	1 1/1	1/1		Date
	App. à redresser		Remplace	
			Remplace par	
ESCO S.A. Les Geneveys s. Collfrans			ARD-a-Mp11	

Vue de E

- ARD-d-Mp21
- ARD-a-61
- 2x6b-M8
- 2xARD-a-62
- 3a-E15x1
- ARD-d-Mp23



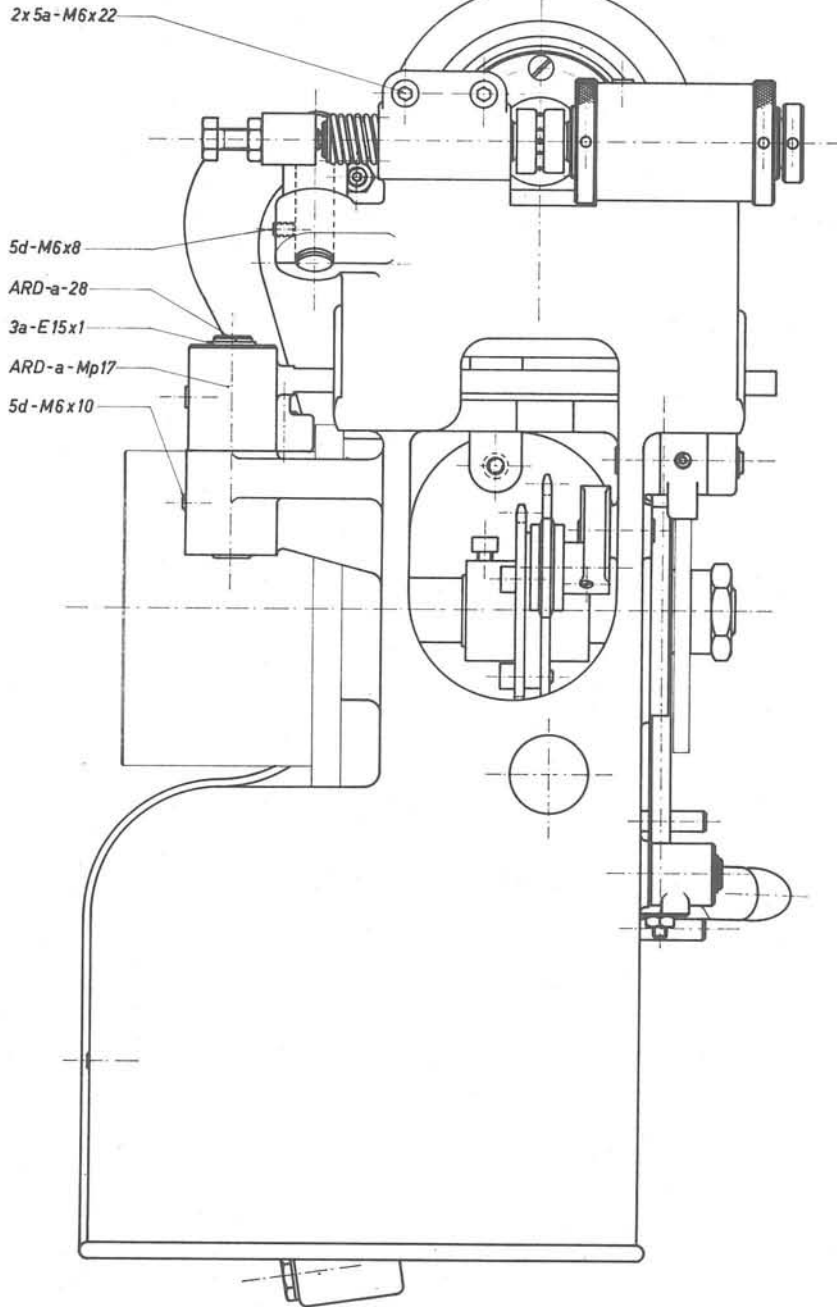
[Home](#)

Straightener
 Straighten

ARD-a-Mp11
 Feuille 2-

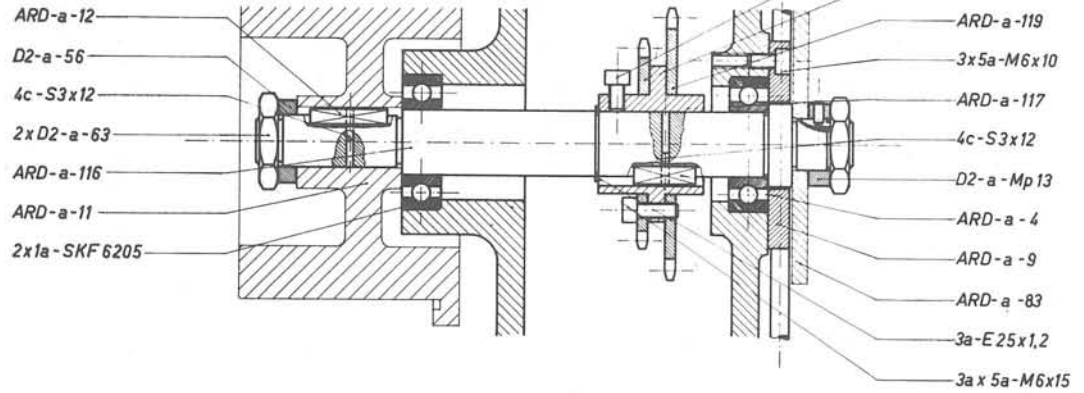
Modifications	Par les notes aux dessins, voir feuille 0001 E	Echelle	Matériau	Dessiné
		1/1		
	App: à redresser		Remplace	Date
			Remplacé par	
ESCO S.A. Les Geneveys s. Collina			ARD- a -Mp11	

Vue de F



- 2x 5a - M6x22
- 5d - M6x8
- ARD-a-28
- 3a - E 15x1
- ARD-a - Mp17
- 5d - M6x10

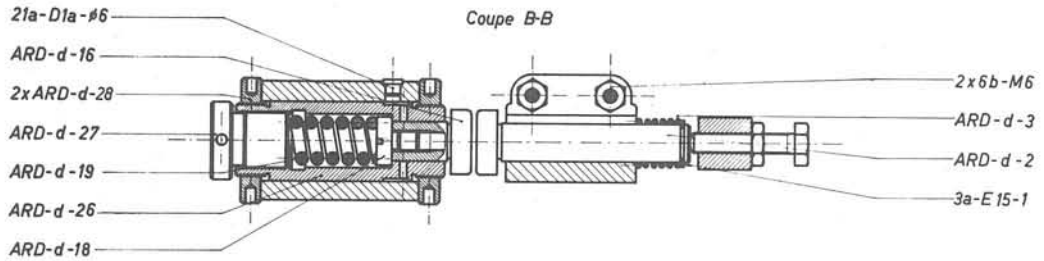
Coupe A-A



- ARD-a-12
- D2-a-56
- 4c - S3x12
- 2x D2-a-63
- ARD-a-116
- ARD-a-11
- 2x 1a - SKF 6205

- 5a - M6x10
- ARD-a-118
- ARD-a-119
- 3x 5a - M6x10
- ARD-a-117
- 4c - S3x12
- D2-a - Mp13
- ARD-a - 4
- ARD-a - 9
- ARD-a - 83
- 3a - E 25x1,2
- 3a x 5a - M6x15

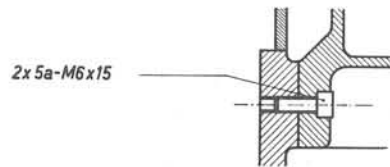
Coupe B-B



- 21a - D1a - #6
- ARD-d-16
- 2x ARD-d-28
- ARD-d-27
- ARD-d-19
- ARD-d-26
- ARD-d-18

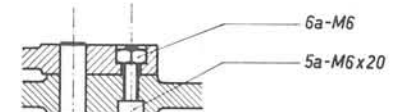
- 2x 6b - M6
- ARD-d-3
- ARD-d-2
- 3a - E 15-1

Coupe C-C



- 2x 5a - M6x15

Coupe D-D



- 6a - M6
- 5a - M6x20

Straightener
Clamping jaw
Wire Clamp
Wire holder

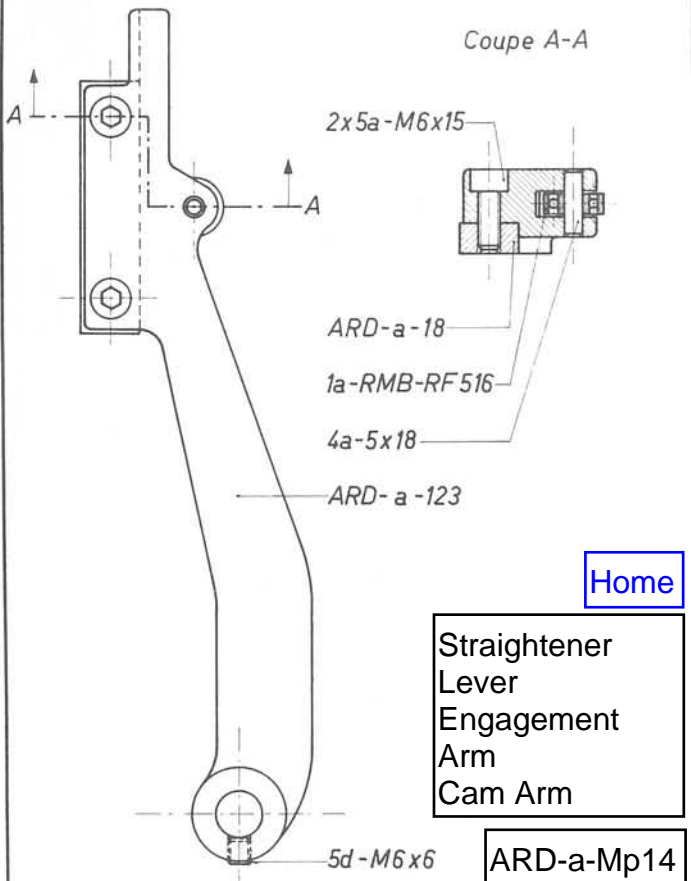
[Home](#)

ARD-a-Mp11
Feuille 3-

Sprocket
Shaft

Modifications	Par ou contre une révision, voir feuille 0000 1	Echelle	Matière	Dessiné
	A x B,1 C x B,2 D x B,3	1/1		Date
App. à redresser.			Remarque	
			Remarque par	
ESCO S.A. Les Geneveys s. Colfranc			ARD - a - Mp11	

Emploi: ARD-a-Mp11

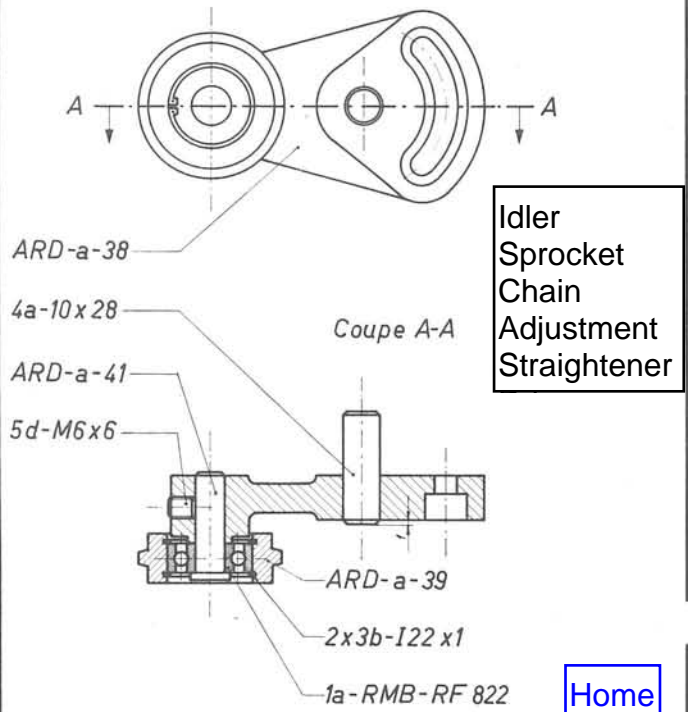


Straightener
Lever
Engagement
Arm
Cam Arm

ARD-a-Mp14

Modifications	Pour les cotes sans tolérance, voir feuille NORM 1	Echelle	Matière	Dessiné	78
	* Cote résultante des tolérances	1/1		Date	19.04.63
	Levier cde: touche		Remplace		
			Remplacé par		
ESCO S.A. Les Geneveys s. Coffrane		ARD-a-Mp14			

Emploi: ARD-a-Mp11
D4-a-Mp95/2
D4-k-Mp193

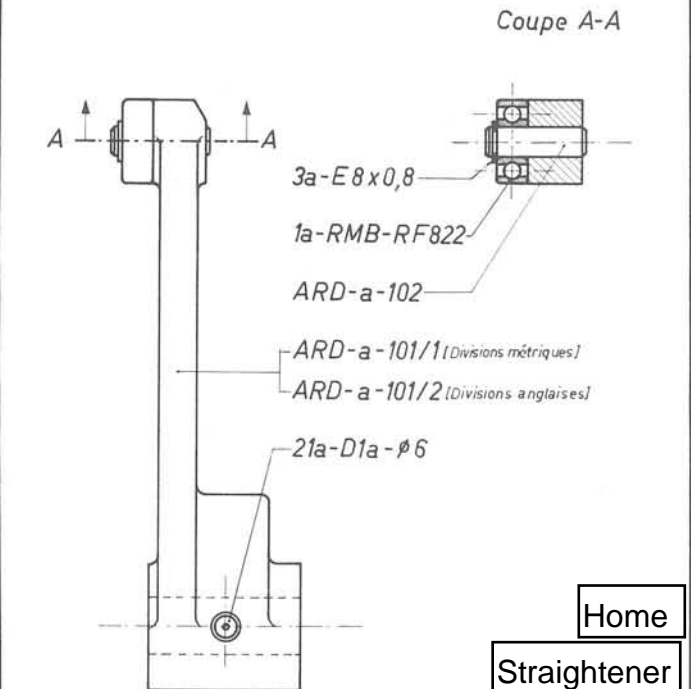


Idler
Sprocket
Chain
Adjustment
Straightener

ARD-a-Mp15

Modifications	Pour les cotes sans tolérance, voir feuille NORM 1	Echelle	Matière	Dessiné	78
	* Cote résultante des tolérances	1/1		Date	19.04.63
	Levier tendeur		Remplace		
			Remplacé par		
ESCO S.A. Les Geneveys s. Coffrane		ARD-a-Mp15			

Emploi: ARD-a-Mp11

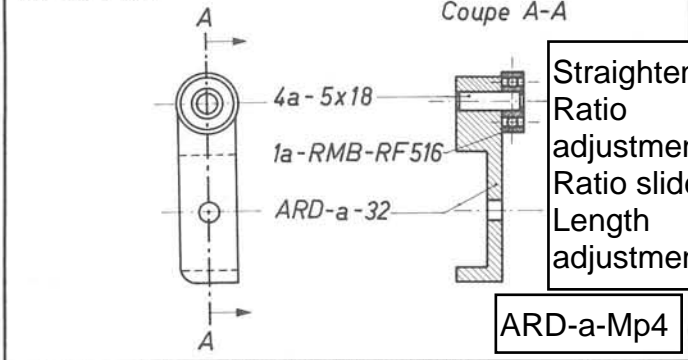


Straightener
Lever
Feed Arm

ARD-a-Mp17

Modifications	Pour les cotes sans tolérance, voir feuille NORM 1	Echelle	Matière	Dessiné	78
	* Cote résultante des tolérances	1/1		Date	19.04.63
	Levier cde: redres:		Remplace		
			Remplacé par		
ESCO S.A. Les Geneveys s. Coffrane		ARD-a-Mp17			

Emploi: ARD-a-Mp11

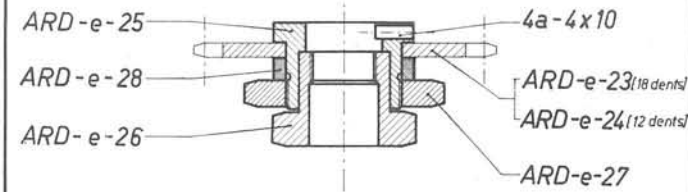


Straightener
Ratio
adjustment
Ratio slide
Length
adjustment

ARD-a-Mp4

Modifications	Pour les cotes sans tolérance, voir feuille NORM 1	Echelle	Matière	Dessiné	78
	* Cote résultante des tolérances	1/1		Date	19.04.63
	Index mobile		Remplace		
			Remplacé par		
ESCO S.A. Les Geneveys s. Coffrane		ARD-a-Mp4			

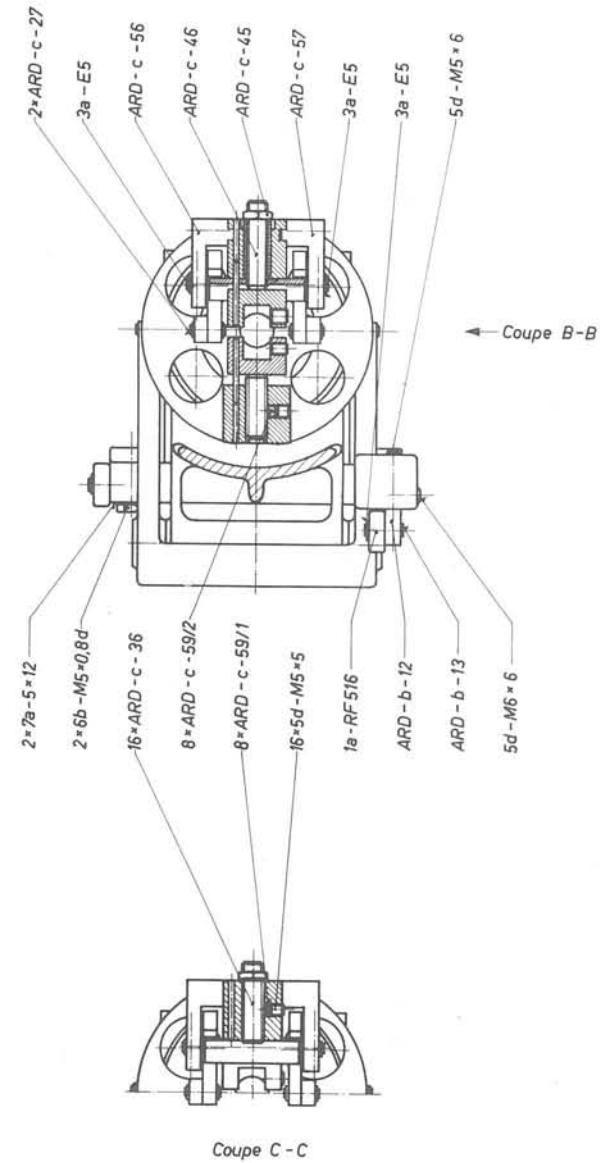
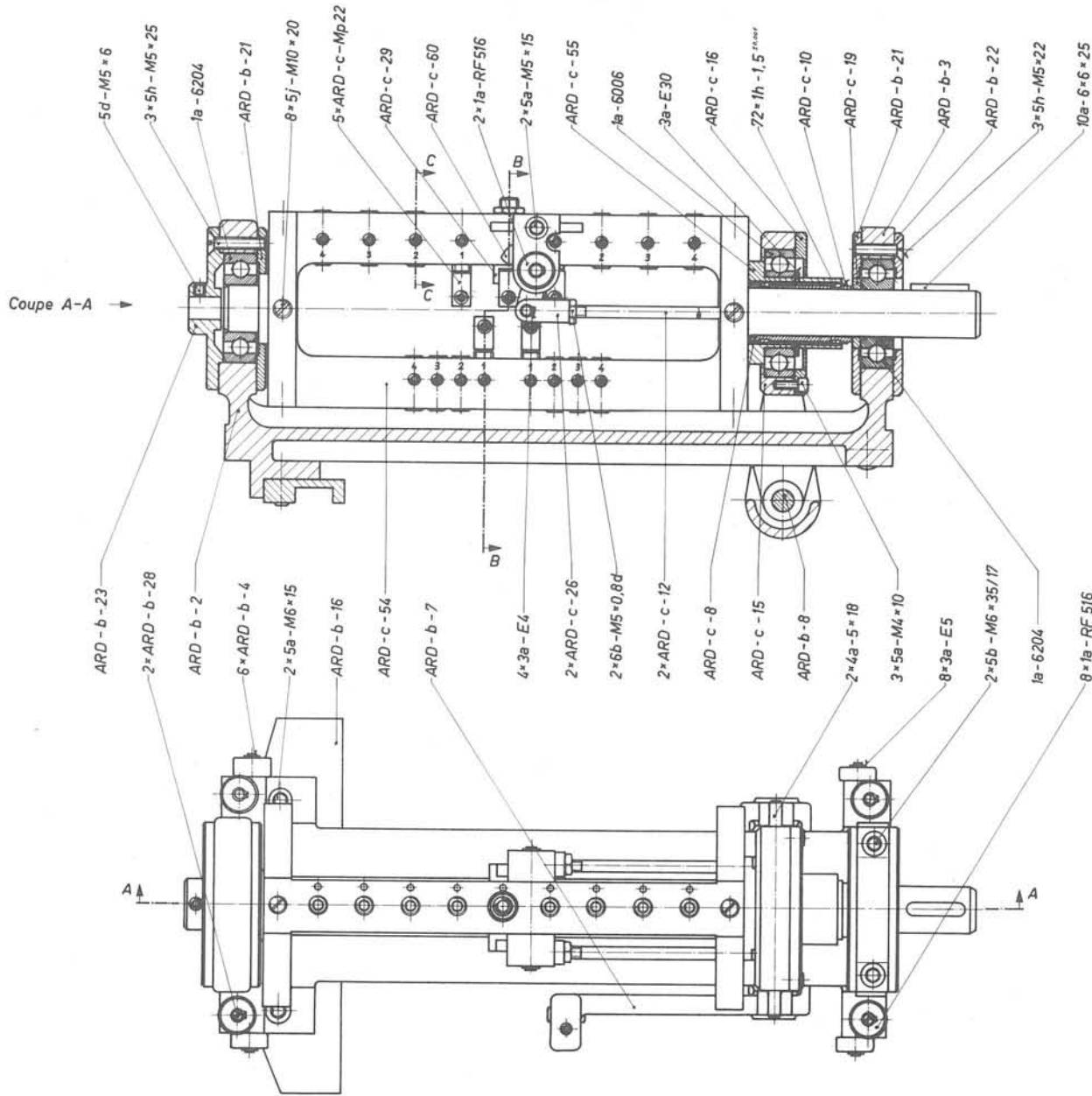
Emploi: D2-k-Mp190/1
D4-k-Mp190/2



Straightener
Sprocket
Chain
Nut
Camshaft

ARD-e-Mp20

Modifications	Pour les cotes sans tolérance, voir feuille NORM 1	Echelle	Matière	Dessiné	78
	* Cote résultante des tolérances	1/1		Date	19.04.63
	écrou à chaîne		Remplace		
			Remplacé par		
ESCO S.A. Les Geneveys s. Coffrane		ARD-e-Mp20			

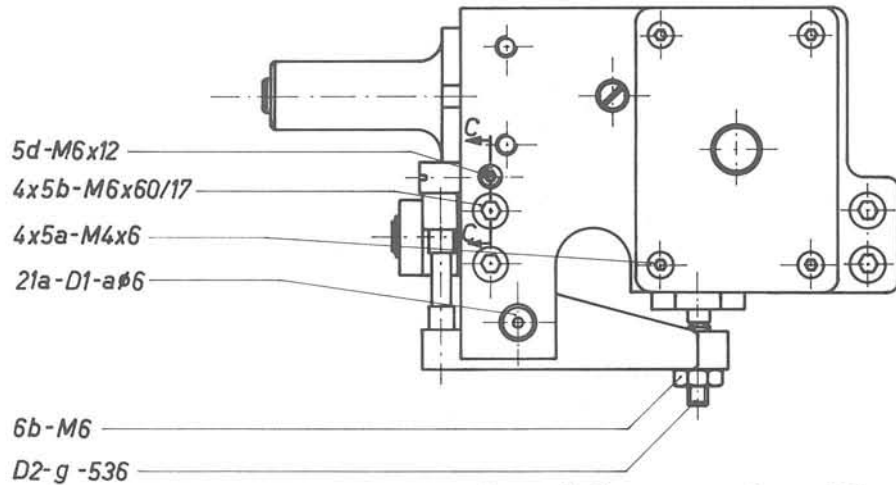
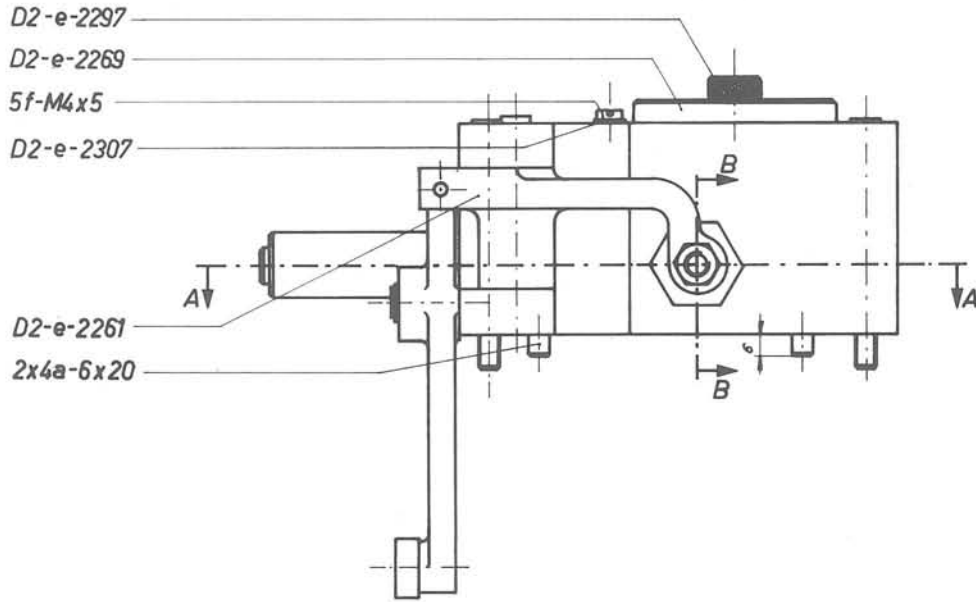


Straightener
Straight
Over bend
Rotor
Rotary

[Home](#)

ARD-b/c-Mp6

Familia ARD-b-Mp6 di ARD-c-Mp6		Rappresentazione		Data: 29.3.63	
Modificazioni	Escala: F:1	Profilo snod.	kg	Materie	Disegnato: 802
	• 5x6,1	n. 5,3	□ 5,3		Concepito: Va
	Chariot avec rotor			Usaggio	Va
ESCO S.A. Leo Genevoys e. Collorano					ARD-b/c-Mp6

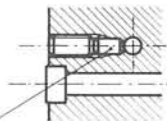
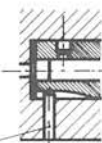


Coupe B-B

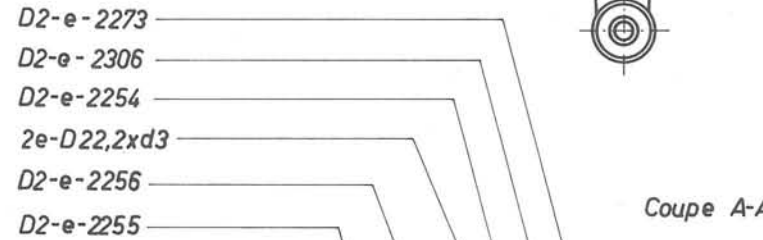
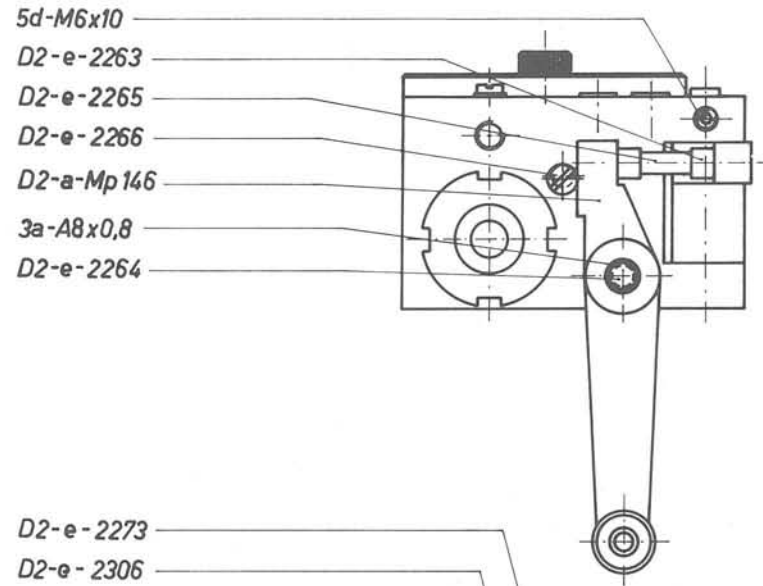
Coupe C-C

4a-3x12 Classe à fleur de bord.

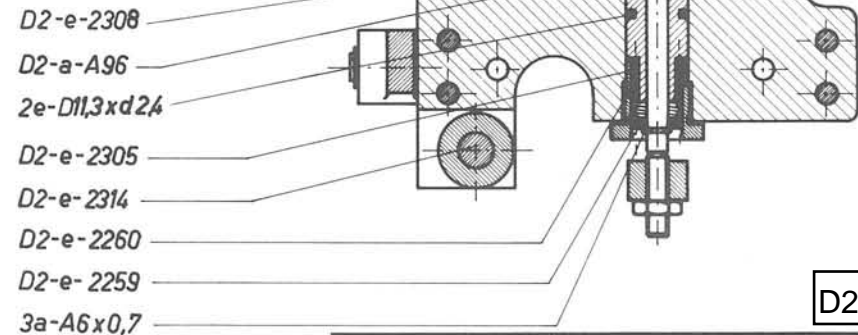
D2-l-1801



Clutch Pump
Hydraulic
Plunger
Reservoir



Coupe A-A



Home

D2-a-Mp115

Modifications	Pour les notes sans télex, voir feuille 0000 1	Echelle	Matière	Dessiné	✓
	* Cote résultante des tolérances	1/1		Date	02.03.68
	Bloc cde: avancement		Remplacé		
			Remplacé par		
ESCO S.A. Les Geneveys s. Coffrane			D2-a-Mp 115		

- D2-e-1882/1 div. métrique
- D2-e-1882/2 div. anglaise
- D2-e-249/1 div. métrique
- D2-e-249/2 div. anglaise

5f-M4 x 10

D2-e-275

5d-M5 x 12

6b-M5

5d-M5 x 15

D2-e-1884

D2-e-274

5d-M5 x 12

ARD-c-59/1

5d-M5 x 6

5d-M5 x 8

D2-a-A42

Coupe A-A

D2-e-2361

D2-e-262

D2-e-2224/1 div. métrique

D2-e-2224/2 div. anglaise

5d-M5 x 6

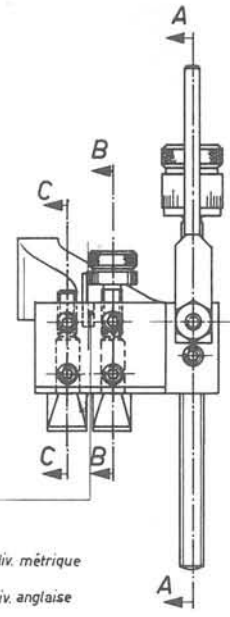
ARD-c-59/1

5d-M5 x 8

D2-a-A42

Coupe C-C

Coupe B-B



Home

2-1 Ratio Feed Arm
Cam Follower Attachment
Lever Advance
1-2
1:2

D2-a-Mp145

Modifications	Pour les cotes sans tolérance, voir feuille 0000 1	Echelle	Matériau	Dessiné
	* Cote résultante des tolérances	1:1		B.S.
	Levier d'avance 1:2		Remplace D-e-Mp145	Date 15.3.03
			Remplacé par	
ESCO S.A. Les Geneveys s. Coffrane			D2-a-Mp145	

18x D2-e-2274

D2-a-A78

D2-e-2250

12x 1b $\phi 3 \pm 0,001$

D2-e-2251

5f-M4 x 5

D2-e-2307

D2-e-2253

D2-e-2428

D2-e-2249

3a-A8 x 0,8

D2-e-2247

D2-e-2313

D2-e-2278

5f-M4 x 10

D2-e-2307

2x 5d-M5 x 5

2x D2-e-2486

D2-e-2276

D2-e-2304

D2-e-233

D2-a-A100

2x 1b-RNU304-C14

2x D2-e-2277

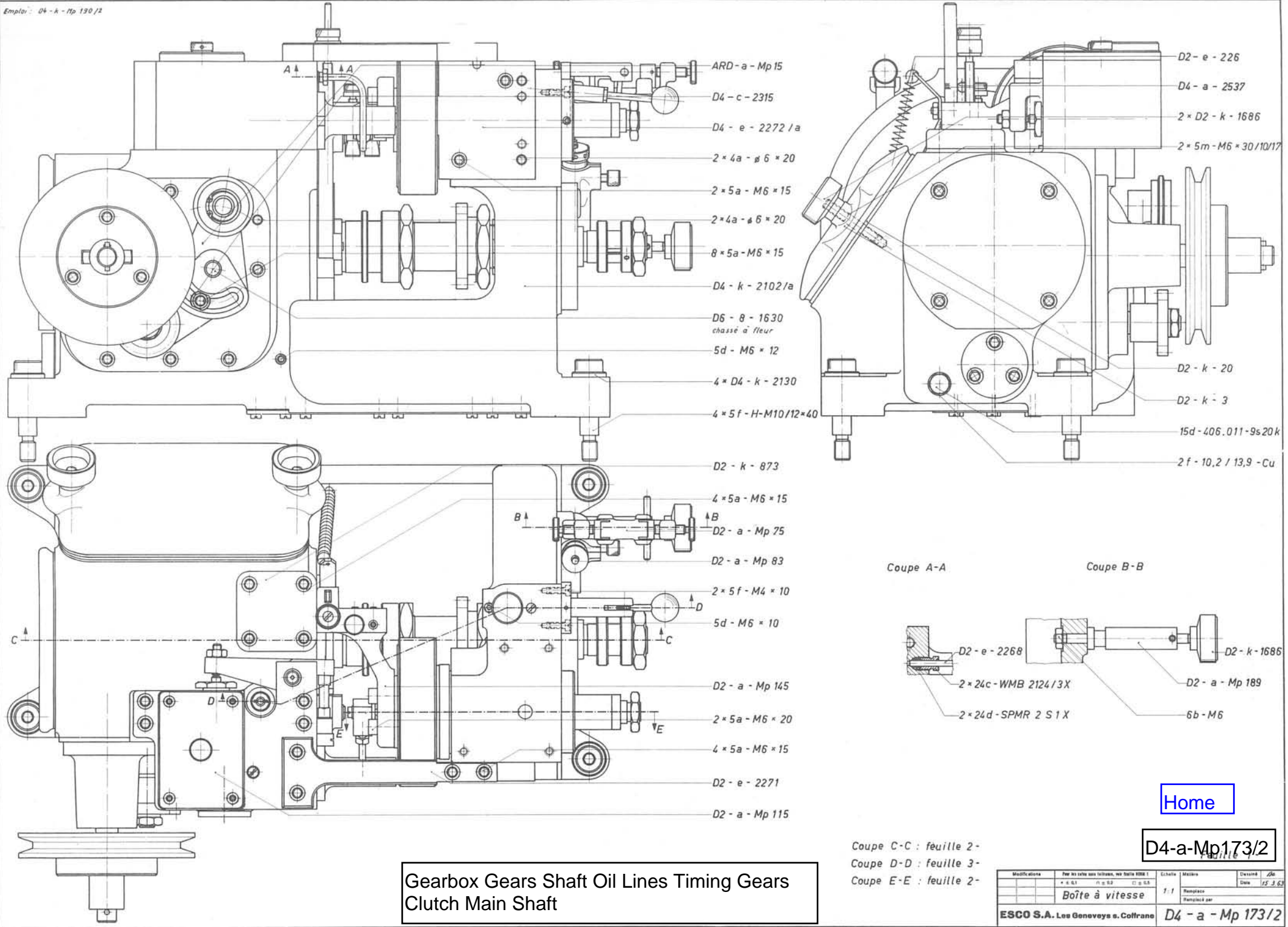
3a-A28 x 1,5

Hydraulic Clutch
Feed Rolls
Rollers
Shaft

Home

D2-a-Mp205

Modifications	Pour les cotes sans tolérance, voir feuille 0000 1	Echelle	Matériau	Dessiné
	* Cote résultante des tolérances	1/1		7
	Arbre avancement.		Remplace	Date 14.03.03
			Remplacé par	
ESCO S.A. Les Geneveys s. Coffrane			D2-a-Mp205	



**Gearbox Gears Shaft Oil Lines Timing Gears
Clutch Main Shaft**

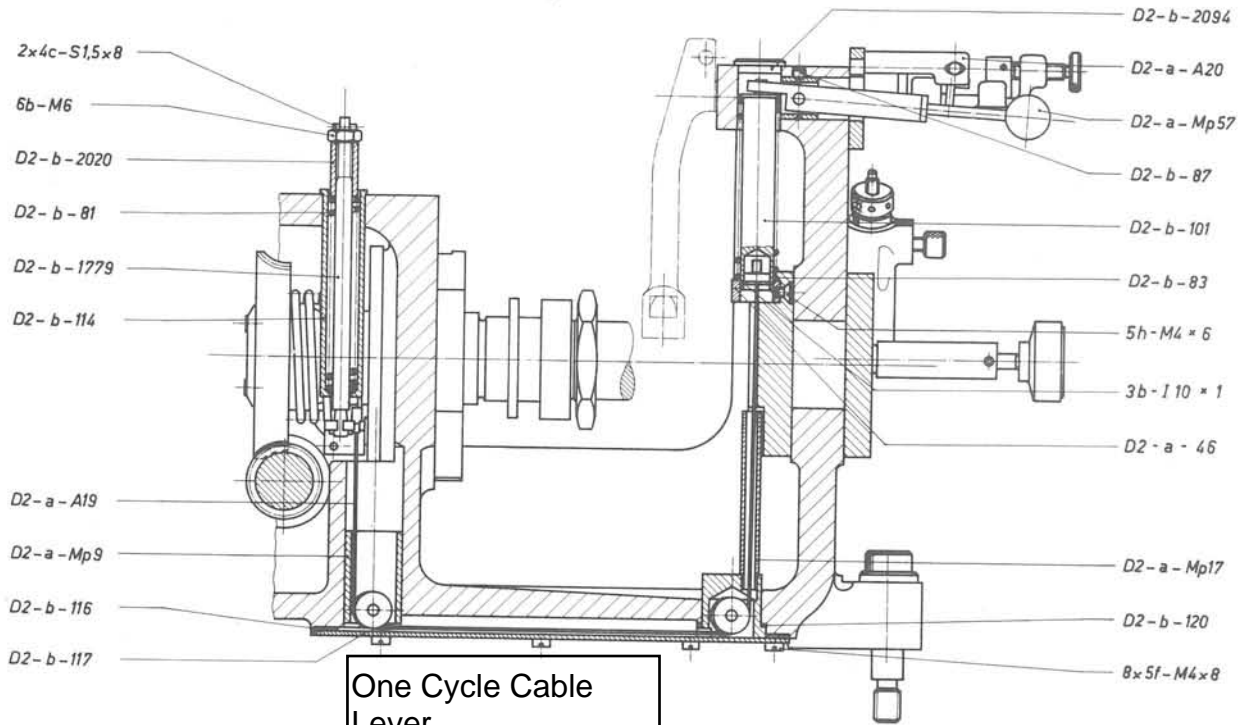
[Home](#)

D4-a-Mp173/2

Coupe C-C : feuille 2 -
Coupe D-D : feuille 3 -
Coupe E-E : feuille 2 -

Modifications	Par les services concernés, voir feuille 1008 1	Echelle	Métalle	Checked	By
	A ± 0,1 B ± 0,2 C ± 0,5	1:1			
Boîte à vitesse					
				Remplacé	125 3 63
				Remplacé par	
ESCO S.A. Les Geneveys s. Coffrane				D4 - a - Mp 173/2	

Coupe D-D

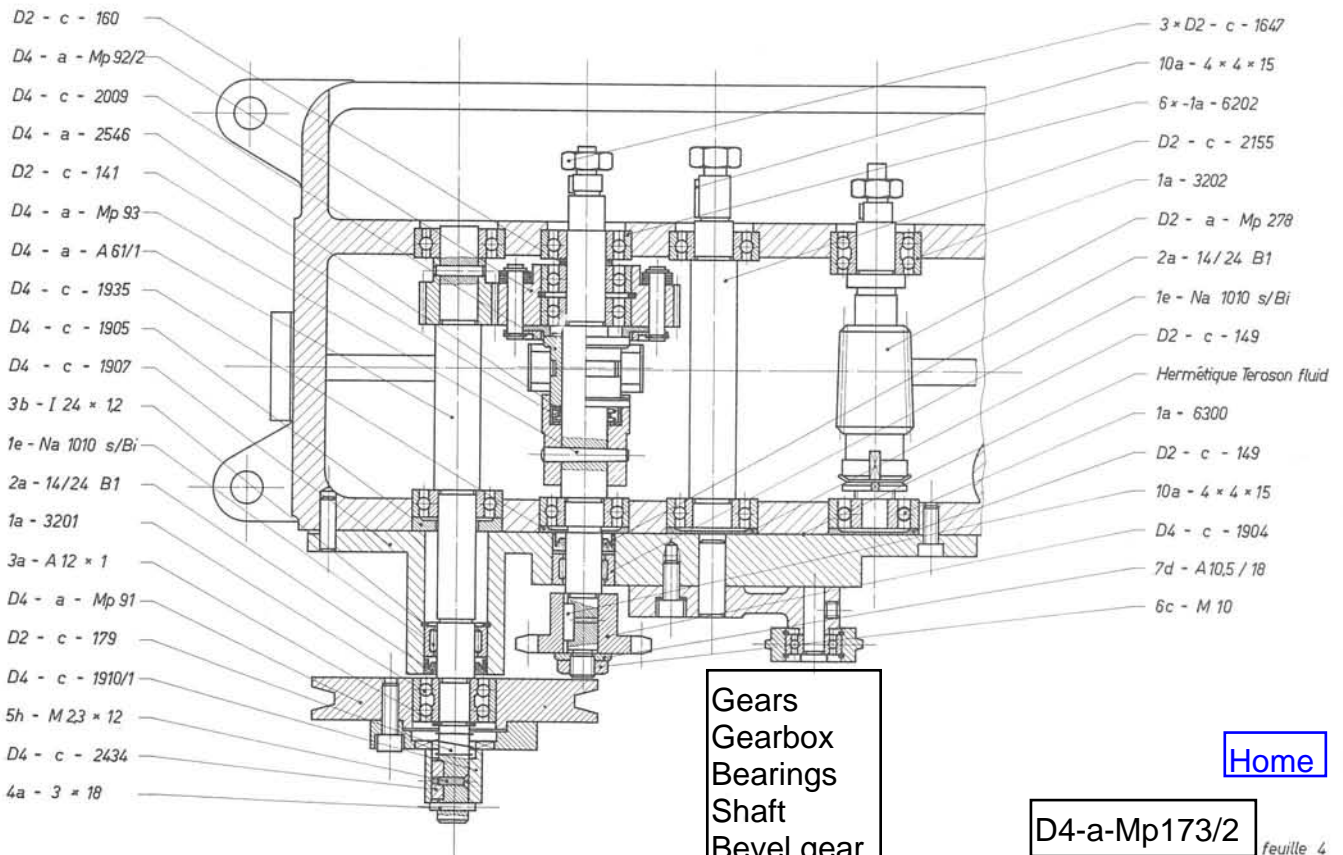


One Cycle Cable
Lever
Start Stop
Bevel Gear
Brass Gear
Main Shaft gear box

D2+D4-a-Mp173/1-2 [Home](#)

Modifications	Schema E.T.F.	Projeteur	lg	Matériau	Date 25.10.67
	A 1.51	M 1.52	□ 1.53		Dessiné CA
	Disp. de commande			Usage	Contrôle
					Vx
ESCO S.A. Les Geneveys s. Colfrans					D2+D4-a-Mp173/1-2

Coupe développée G-G



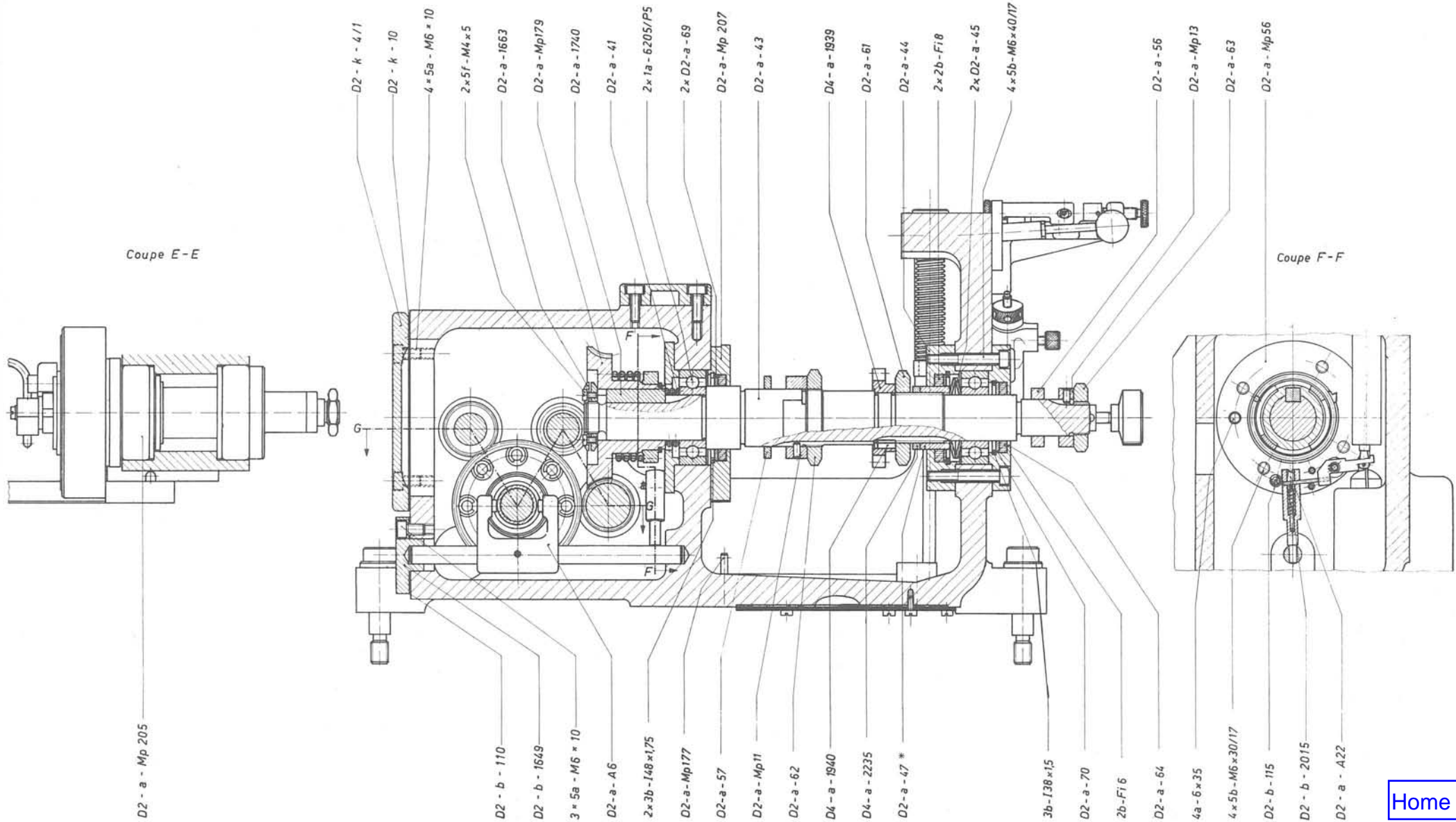
Gears
Gearbox
Bearings
Shaft
Bevel gear
Nut
Engage

[Home](#)

D4-a-Mp173/2 feuille 4

Pour les seuls sans référence, voir normes ESCO	Echelle	Matériau	Dessiné
Arbre commande	1:1		1.12.66
Remarque: D4-a-Mp 35/2 sans chargeur			Remplacé par
ESCO S.A. Les Geneveys s. Colfrans			D4-a-Mp 173/2

Coupe C-C
Dispositif de commande en pos. d'embrayage



Main Shaft Gearbox Bearings Nut
Spacer Camshaft Brass Gear Engage
One Cycle Cable

1° A régler pour obtenir un serrage des rondelles D2 - a - 45 de P = 17 kg
 2° Angle de serrage 30°
 3° Distance pour serrage 8,12 "

Home

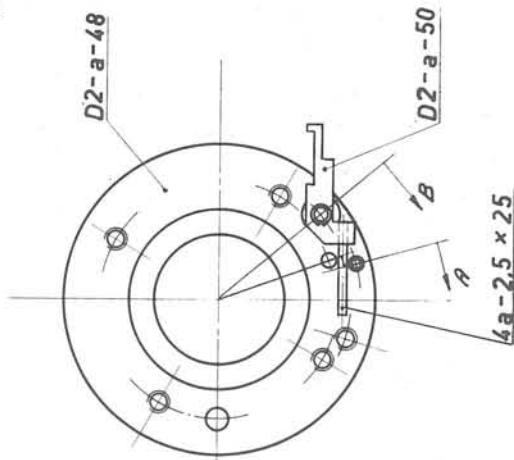
D4-a-Mp173/2
Feuille 2 -

Coupe G-G : feuille 4

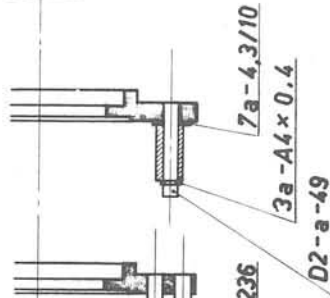
Modifications	Echelle 1/1	Poids brut kg	Matériau	Date 12.10.62
	r = 0,3	□ a 5,5		Dessiné C.A.
Arbre à cames		Usinage	Contrôle	Vu

ESCO S.A. Les Genavoyes s. Coiffrane No. D4 - a - Mp173/2

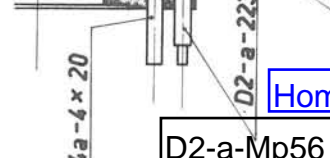
D2-a-Mp 112/1
D4-a-Mp 112/2



Coupe B-B



Coupe A-A



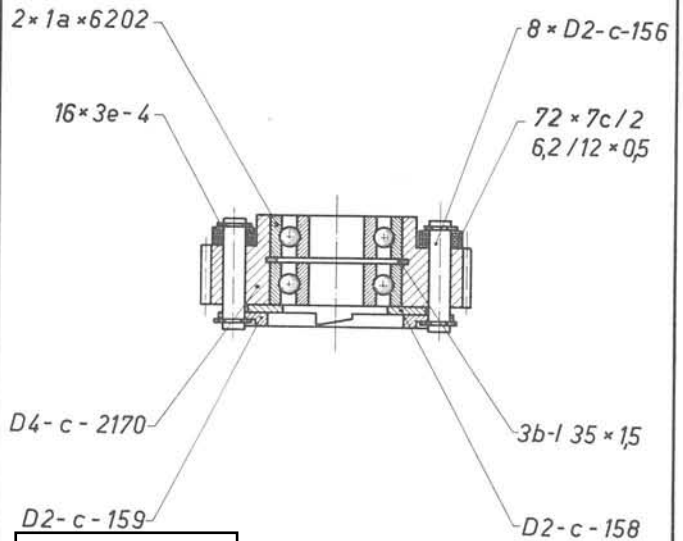
One
Cycle
Cam
Finger
Engage

Home

D2-a-Mp56

Modifications	Echelle 1:1	Poids brut kg	Matière	Date 15.1.80
	* ± 0,1 n ± 0,2 □ ± 0,5			Dessiné J.P.P.
	Bascule d'embrayage		Usinage	Contrôlé Vu
ESCO S.A. Les Geneveys s. Coffrane			D2-a-Mp 56	

Emplot: D2-a-Mp 173/1



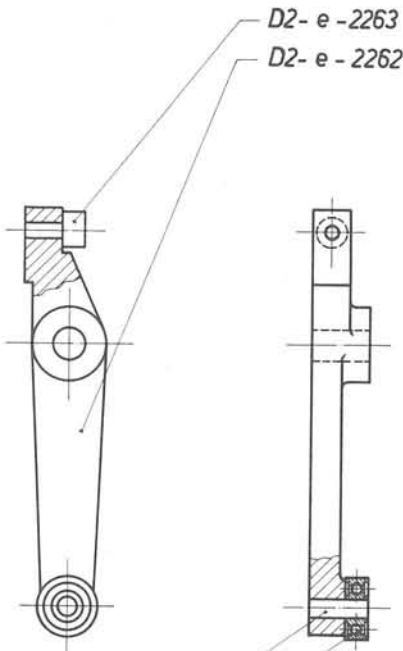
Friction Clutch
Engage
Bearings
Pins
Springs

Home

D4-a-Mp92/2

Modifications	Pour les cotes sans tolérance, voir normes internes	Echelle	Matière	Dessiné J.P.P.
	* Cote résultante des tolérances	1:1		Date 27.63
	Engrenage à friction		Remplace D4-c-Mp92	Remplacé par
ESCO S.A. Les Geneveys s. Coffrane			D4-a-Mp 92/2	

Emplot: D2-a-Mp 115



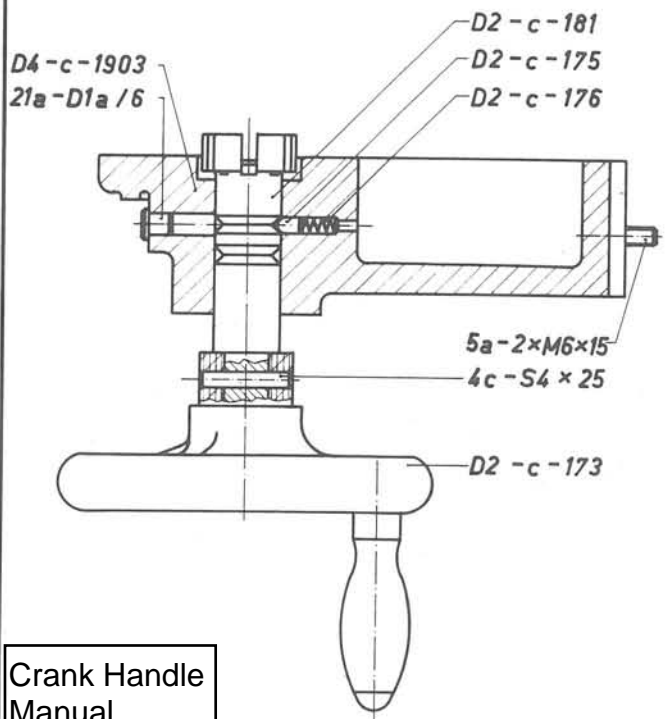
Clutch Arm Engage
Return Bearing

Home

D2-a-Mp146

Modifications	Pour les cotes sans tolérance, voir normes internes	Echelle	Matière	Dessiné J.P.P.
	* ± 0,1 n ± 0,2 □ ± 0,5	1:1		Date 26.1.65
	Levier d'accouplement		Remplace D2-e-Mp 146	Remplacé par
ESCO S.A. Les Geneveys s. Coffrane			D2-a-Mp 146	

D2-k-Mp 190/1
D4-k-Mp 190/2



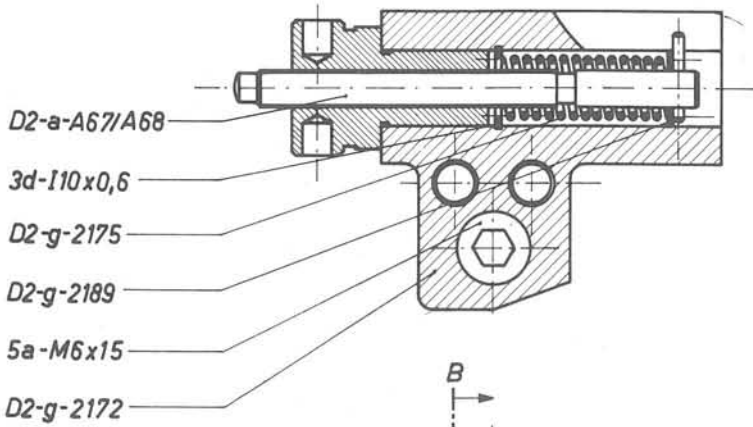
Crank Handle
Manual
Engage
Turn
Cycle

Home

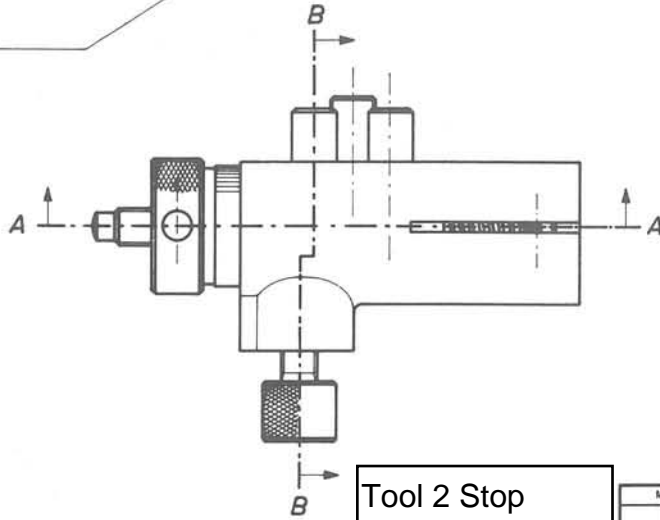
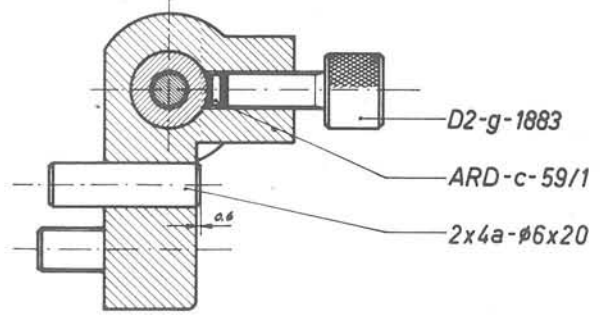
D2-c-Mp178

Modifications	Pour les cotes sans tolérance, voir feuille DDM 1	Echelle	Matière	Dessiné J.P.P.
	* ± 0,1 n ± 0,2 □ ± 0,5	1:1		Date 24.3.62
	Disp. com. manuelle		Remplace	Remplacé par
ESCO S.A. Les Geneveys s. Coffrane			D2-c-Mp 178	

Coupe A-A



Coupe B-B



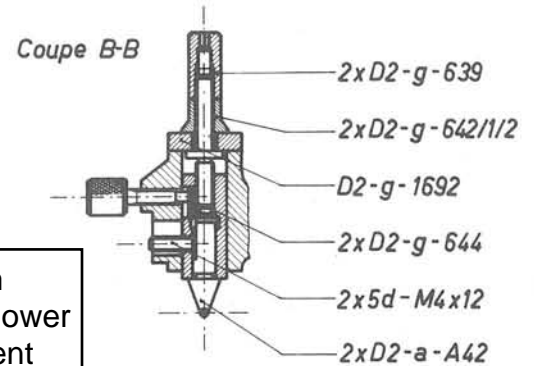
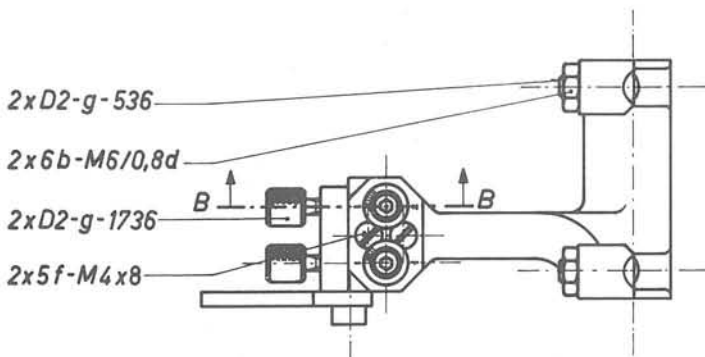
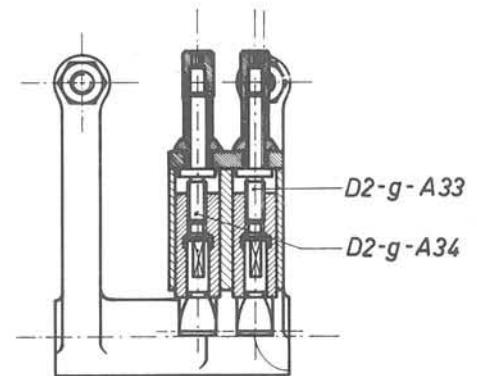
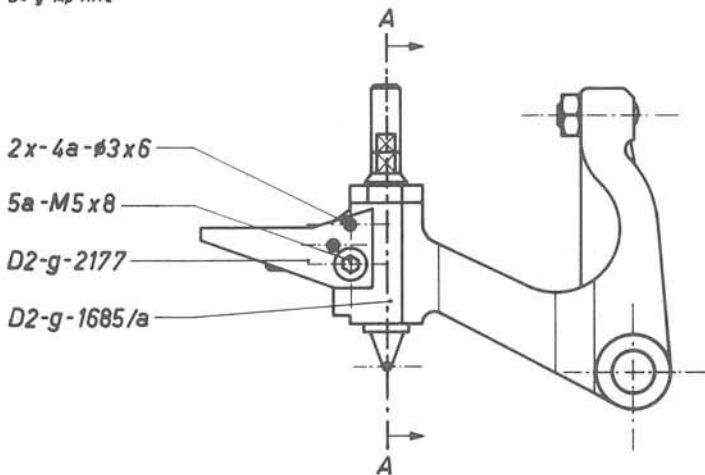
Tool 2 Stop
Stop Adjustment
Tools top

[Home](#)

D2-a-Mp8

Modifications	Pour les notes sans tolérances, voir feuille 0000 1	Echelle	Matériau	Dessiné
	* Cote résultante des tolérances	2/1		Date 25.3.63
	Vis d'arrêt		Remplace D-g-Mp 83	
			Remplacé par	
ESCO S.A. Les Geneveys s. Coffrane			D2-a-Mp 83	

Coupe A-A

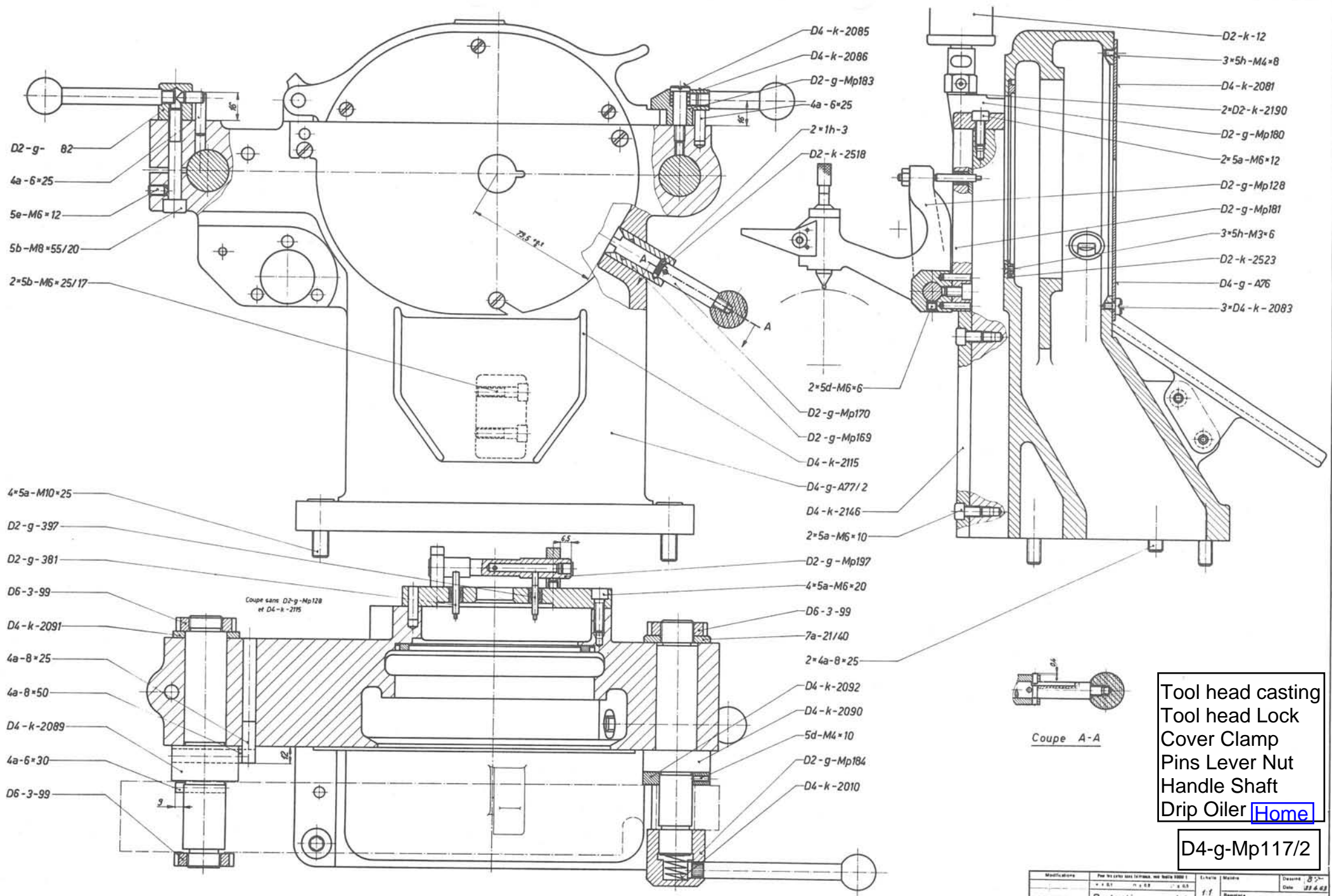


Tool Arm
Cam Follower
Adjustment
Lever
T1 T2

D2-g-Mp12

[Home](#)

Modifications	Pour les notes sans tolérances, voir feuille 0000 1	Echelle	Matériau	Dessiné
	* Cote résultante des tolérances	1/1		Date 28.05.65
	Levier cde: burins.		Remplace	
			Remplacé par	
ESCO S.A. Les Geneveys s. Coffrane			D2-g-Mp 128	

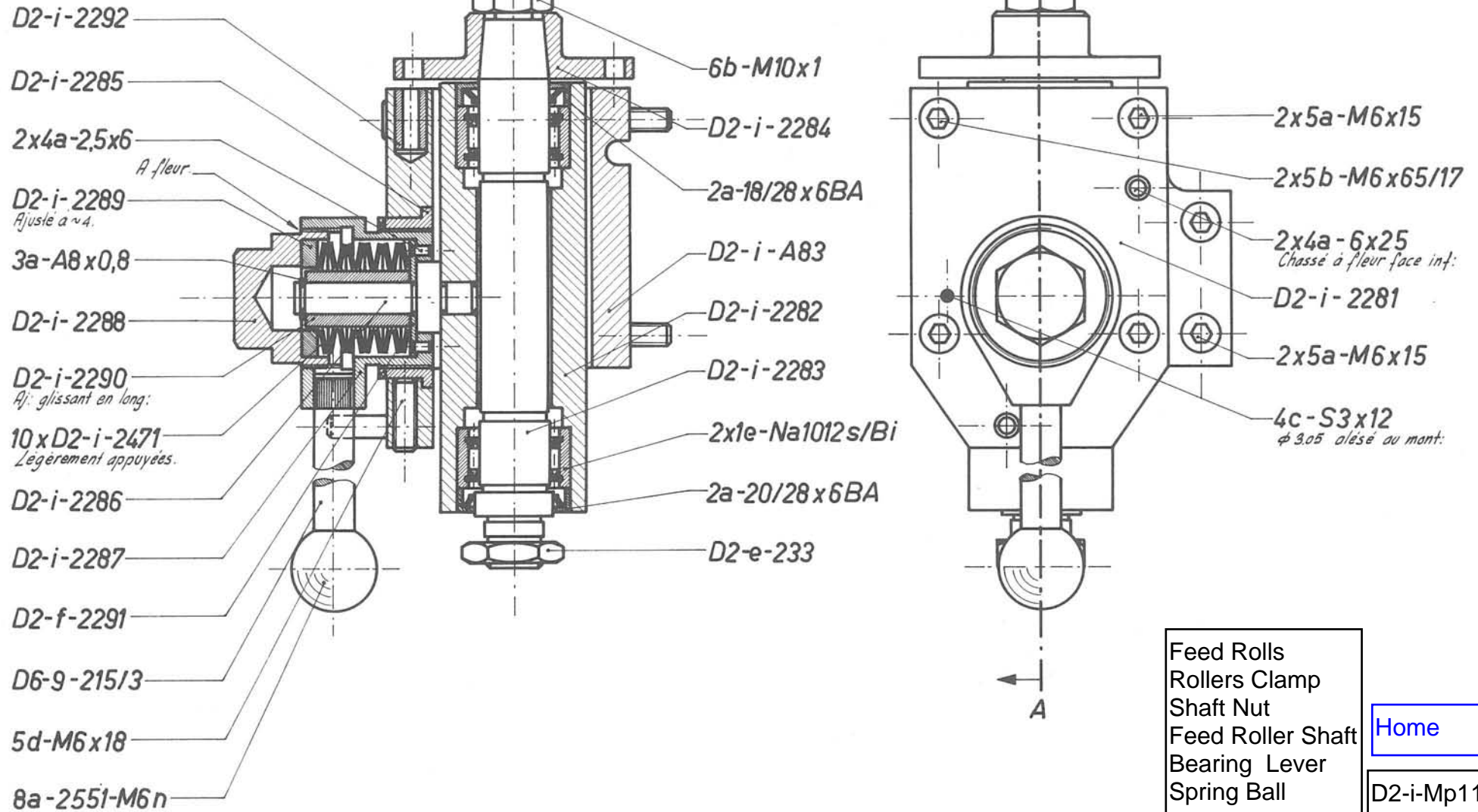


Tool head casting
 Tool head Lock
 Cover Clamp
 Pins Lever Nut
 Handle Shaft
 Drip Oiler [Home](#)

D4-g-Mp117/2

Modifications	Par M. LEROY sur le dessin, voir Notice 1980 I	Echelle	Matériau	Dessiné	02
	1 x 0.1	1 x 0.1	1 x 0.1	Date	19.6.69
Protection mandrin		f:1	Remarque		
Remarque par					
ESCO S.A. Les Geneveys s. Colfrans				D4 - g - Mp117/2	

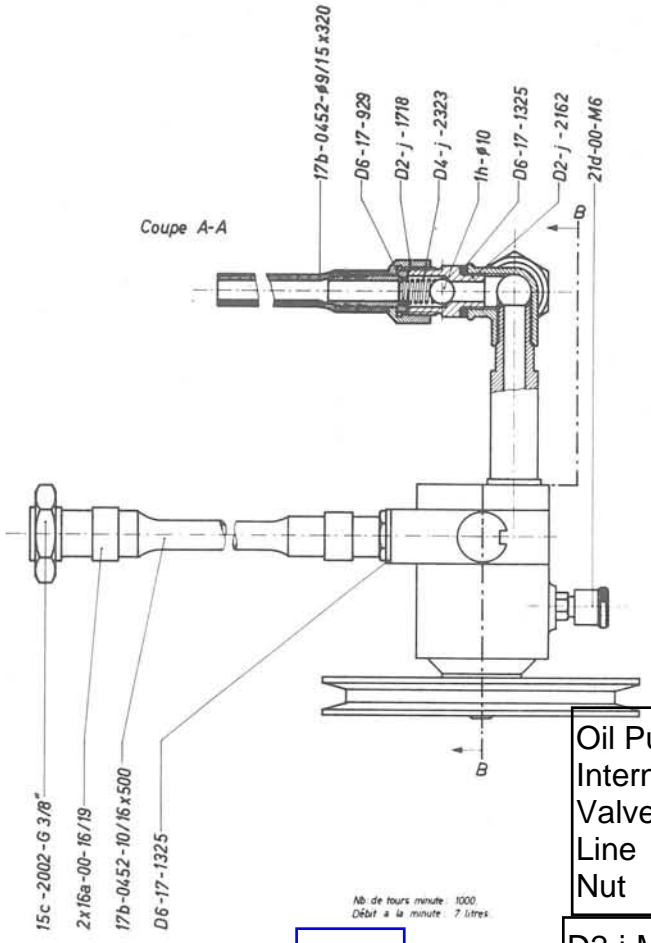
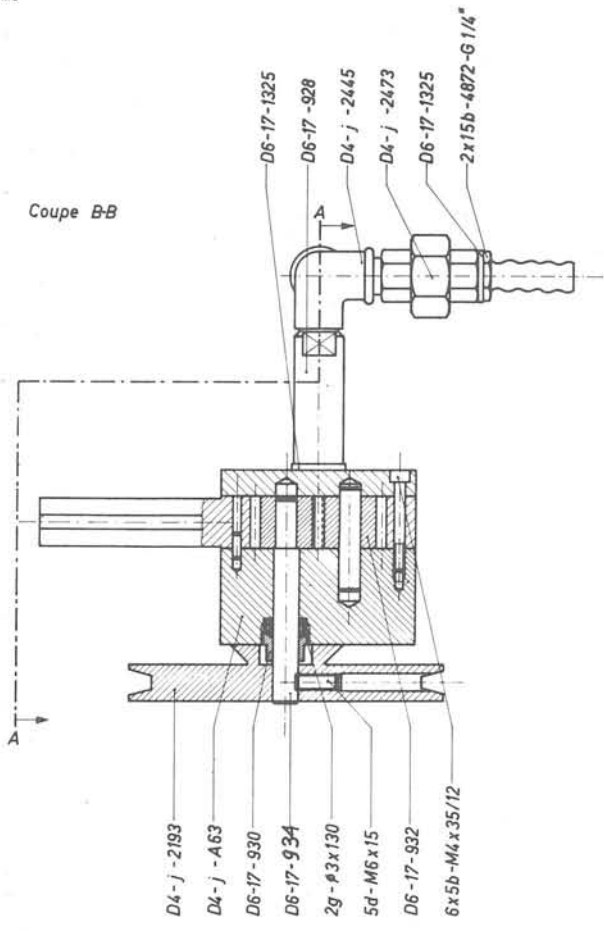
Coupe A-A



Feed Rolls
 Rollers Clamp
 Shaft Nut
 Feed Roller Shaft
 Bearing Lever
 Spring Ball

[Home](#)
 D2-i-Mp116

Modifications	Pour les cotes sans tolérances, voir feuille NORM 1 * Cote résultante des tolérances	Echelle	Matériau	Dessiné	78
				Date	22.3.63
	Serrage du fil	1/1	Remplace		
			Remplacé par		
ESCO S.A. Les Geneveys s. Coffrane			D2-i-Mp 116		



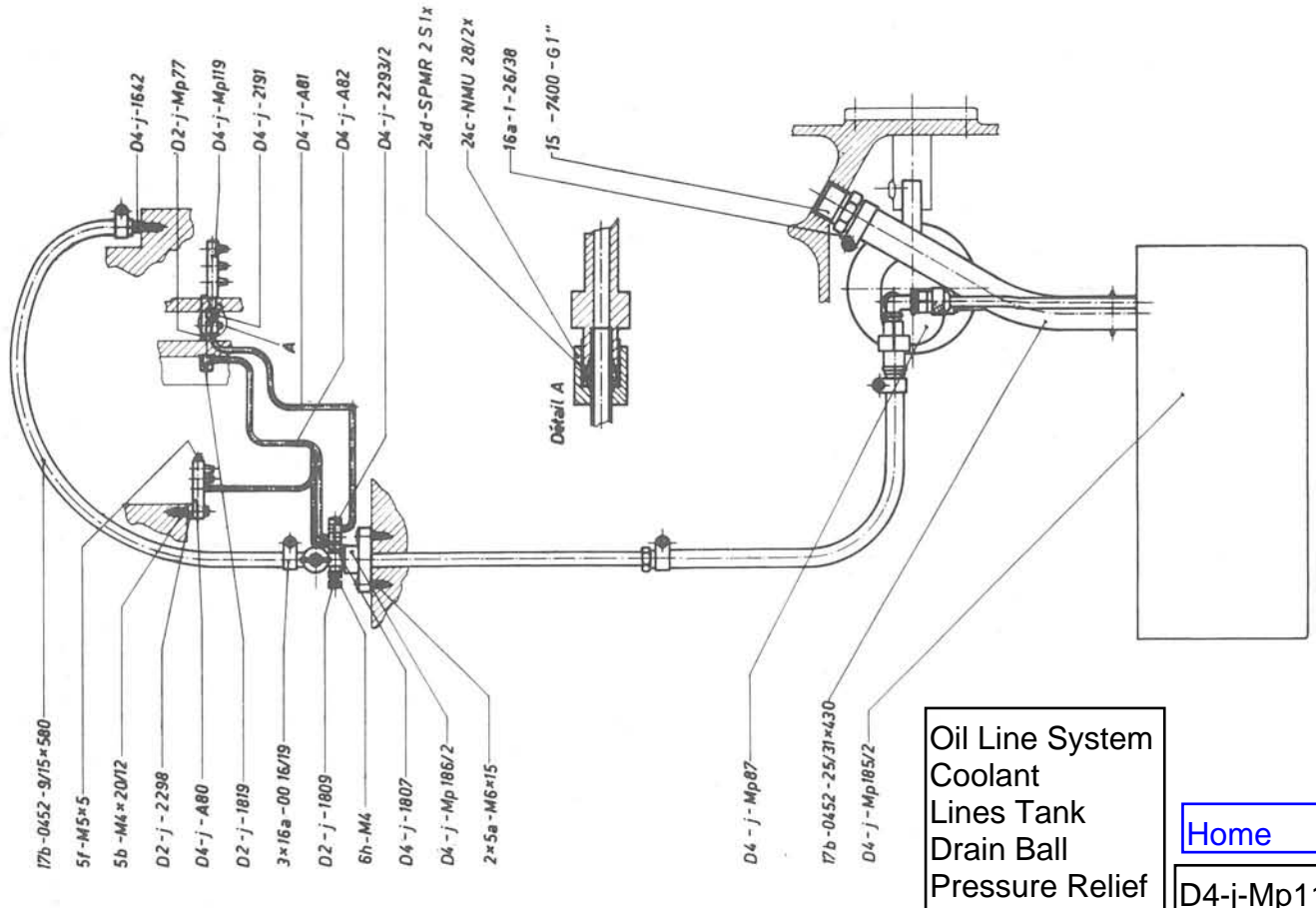
Nb de tours minute: 1000
Débit à la minute: 7 litres.

[Home](#)

Oil Pump
Internal
Valve
Line
Nut

D2-j-Mp87

Modifications	Par les sites sans tableau, voir feuille 0000 1	Echelle	Matériau	Quantité	Y
	* Cote résultante des tolérances	1/1			27/04/87
	Pompe		Remarque		
			Remplace par		
ESCO S.A. Les Geneveys s. Coffrane					D2-j-Mp87



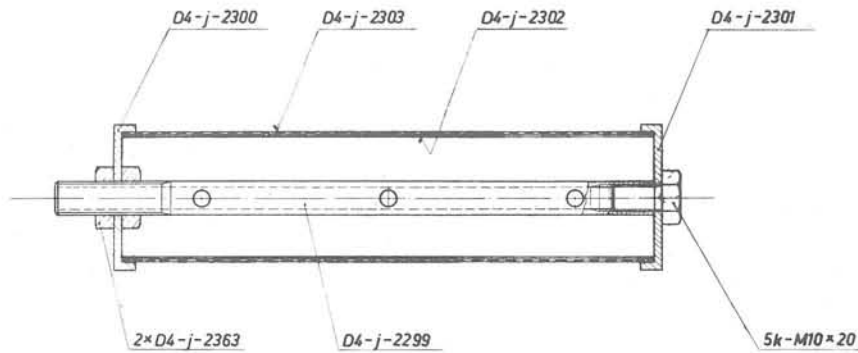
Oil Line System
Coolant
Lines Tank
Drain Ball
Pressure Relief

[Home](#)

D4-j-Mp111/2

Modifications	Par les sites sans tableau, voir feuille 0000 1	Echelle	Matériau	Quantité	Y
	* Cote résultante des tolérances	1:2,5			87
	Lubrification	1:1	Remarque		
			Remplace par		
ESCO S.A. Les Geneveys s. Coffrane					D4-j-Mp111/2

D2-j-Mp 185/1
D4-j-Mp 185/2



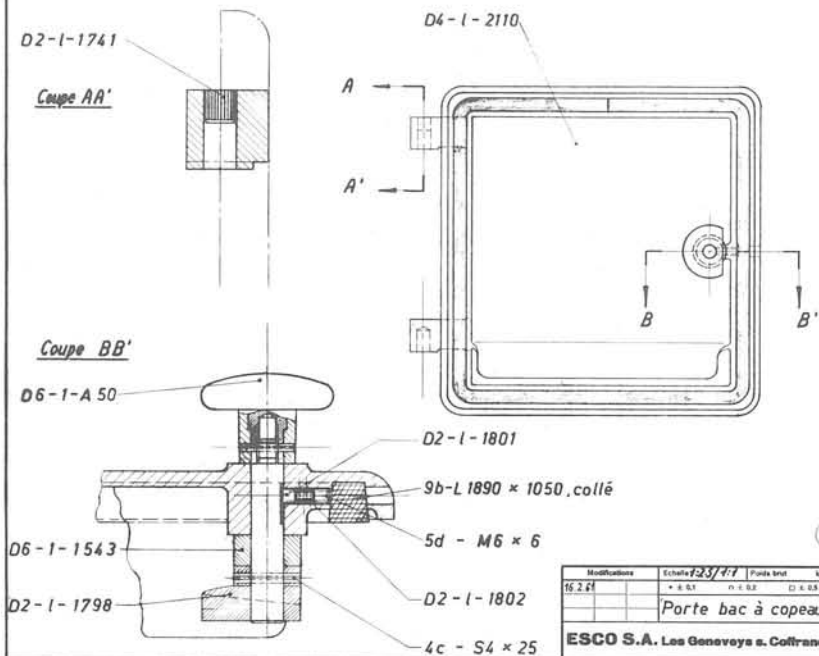
Oil Filter
Screen
Pickup
Filter
Oil Lines

Home

D4-j-Mp10

Modifications		Echelle	1/1	Poids brut	kg	Matériau	Date	22.08
*	1			± 0.1	± 0.2	□ ± 0.5	Dessiné	JP
'Filtre à huile							Usinage	
ESCO S.A. Les Geneveys s. Collfrans							Vu	D4-j-Mp109

D2-l-Mp 106/1
D4-l-Mp 106/2



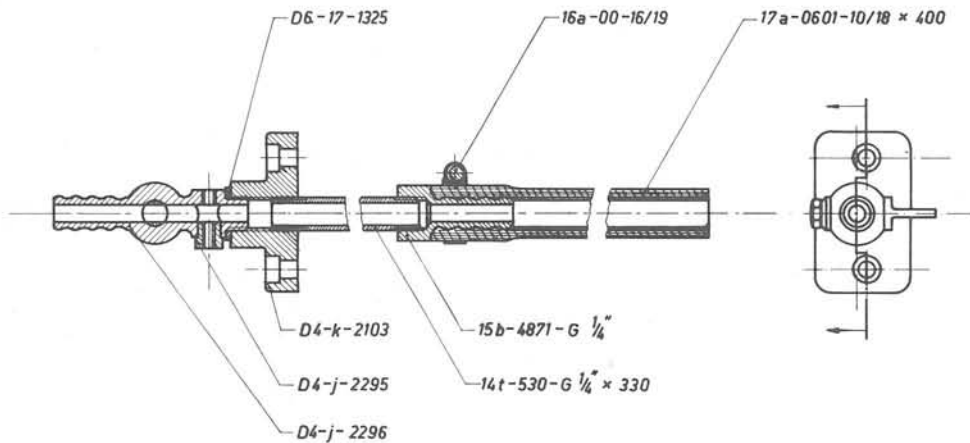
Chip Door
Door
Handle
Knob

D4-l-Mp104/a

après chassage D2-l-1791

Modifications		Echelle	1/1	Poids brut	kg	Matériau	Date	22.08
*	1			± 0.1	± 0.2	□ ± 0.5	Dessiné	JP
Porte bac à copeaux							Usinage	
ESCO S.A. Les Geneveys s. Collfrans							Vu	D4-l-Mp 104/a

D4-j-Mp 111/2

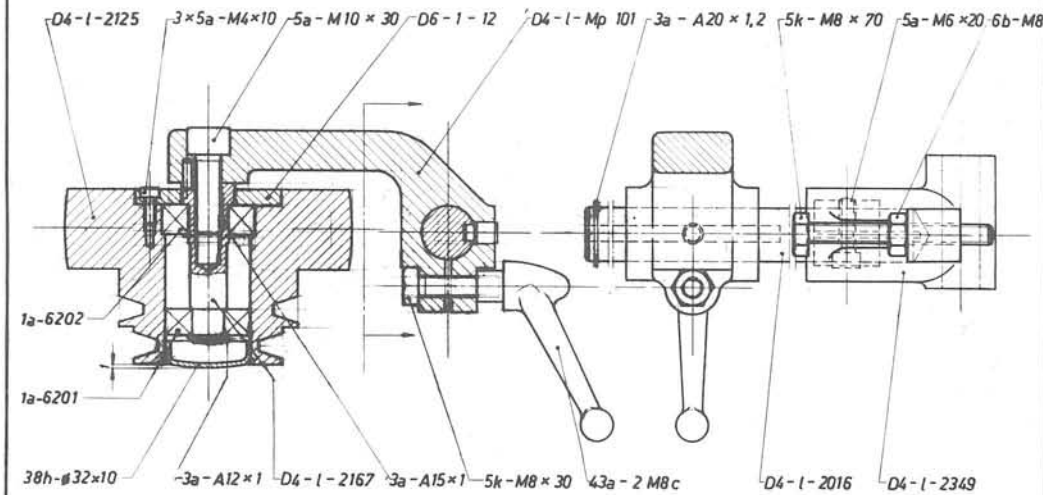


Oil Line Valve
Distribution Shut off
Coolant

D4-j-Mp186/2

Modifications		Echelle	1/1	Poids brut	kg	Matériau	Date	22.08
*	1			± 0.1	± 0.2	□ ± 0.5	Dessiné	C.B.
Distribution							Usinage	
ESCO S.A. Les Geneveys s. Collfrans							Vu	D4-j-Mp186/2

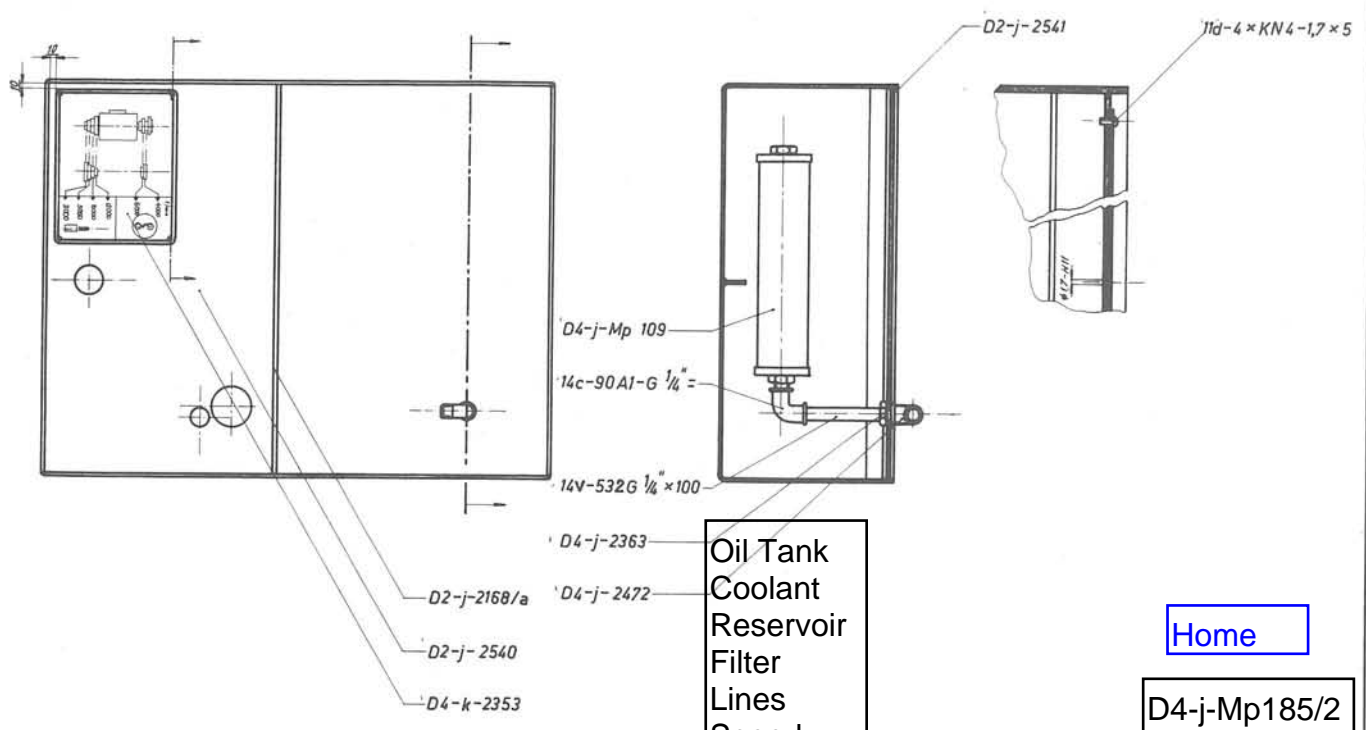
D2-l-Mp 106/1
D4-l-Mp 106/2



Idler Pulley Belt
Adjustment Tensioner
Bearing Tool Head

D4-L-Mp10

Modifications		Echelle	1/1	Poids brut	kg	Matériau	Date	22.08
*	1			± 0.1	± 0.2	□ ± 0.5	Dessiné	JP
Renvoi mandrin							Usinage	
ESCO S.A. Les Geneveys s. Collfrans							Vu	D4-L-Mp 108

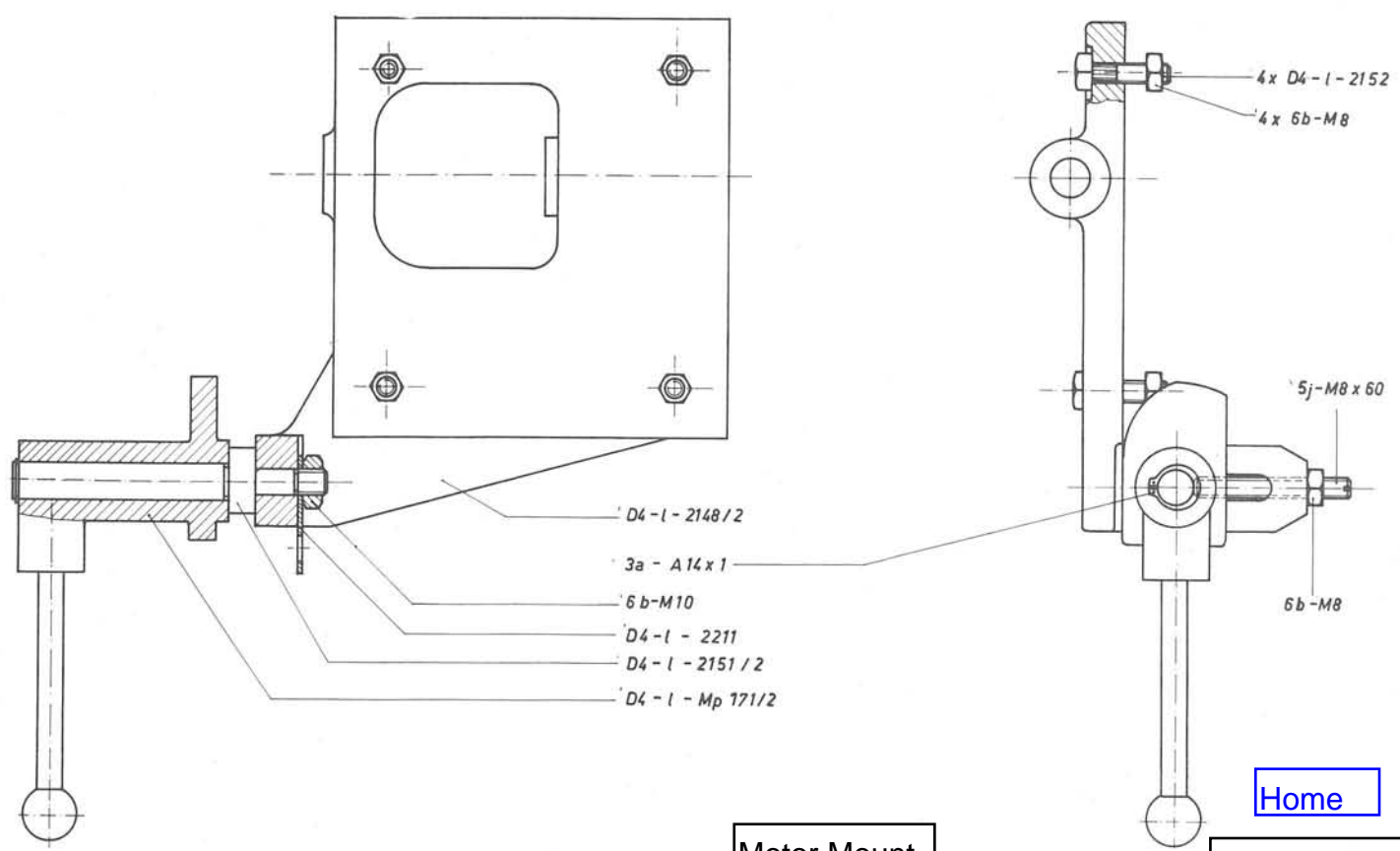


Oil Tank
Coolant
Reservoir
Filter
Lines
Speed
chart
Pulley

Home

D4-j-Mp185/2

Modifications	Echelle 1:25/1:1	Pointe brat	kg	Matériau	Dessiné	Appr.
	± 0,1	n ± 0,2	□ ± 0,3		C. G.	
	Bac à huile			Usinage		
					Vu	
ESCO S.A. Les Geneveys s. Collfrans					D4-j-Mp 185/2	



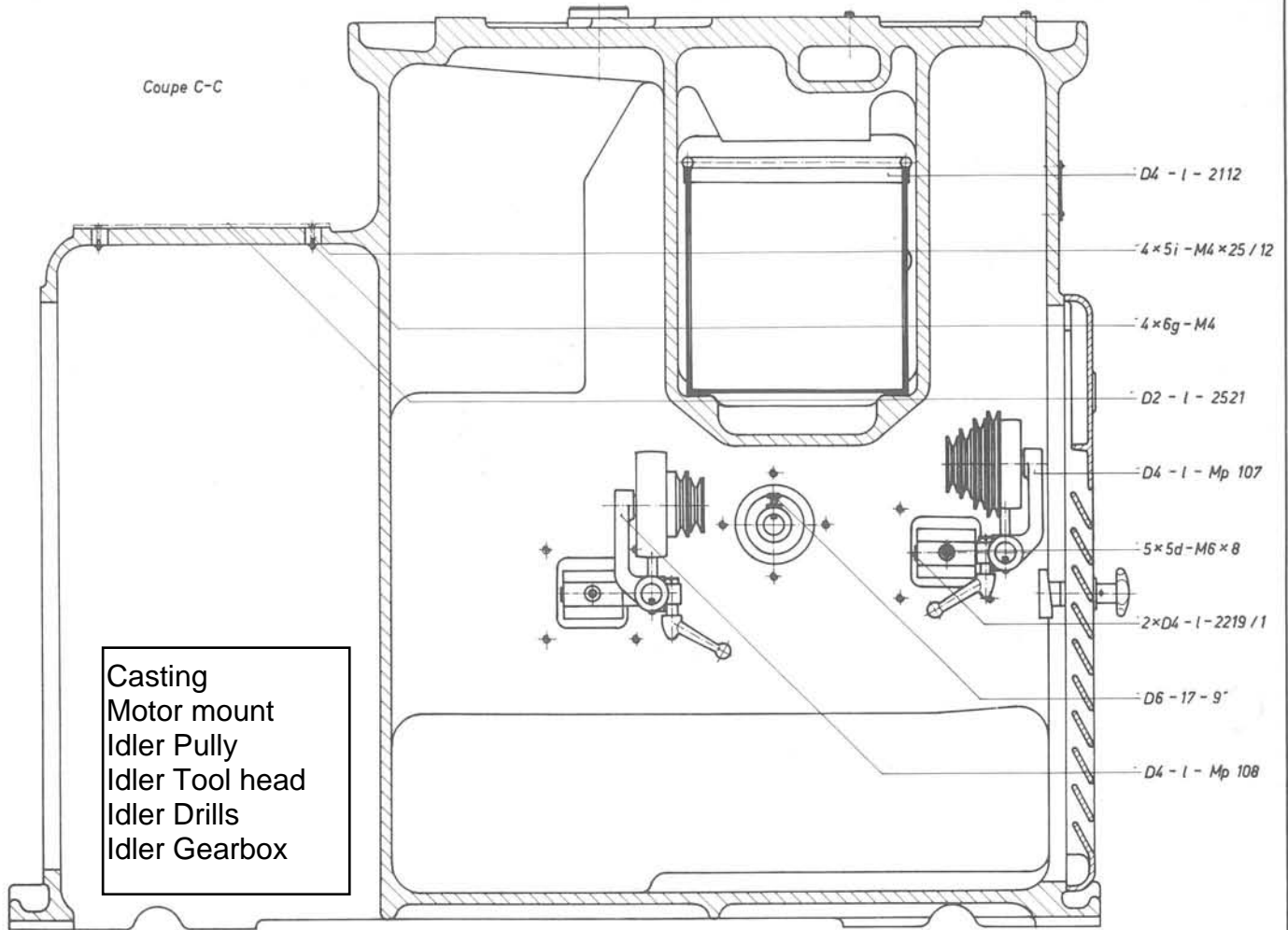
Motor Mount
Bracket
Frame
Handle

Home

D4-l-Mp105/2

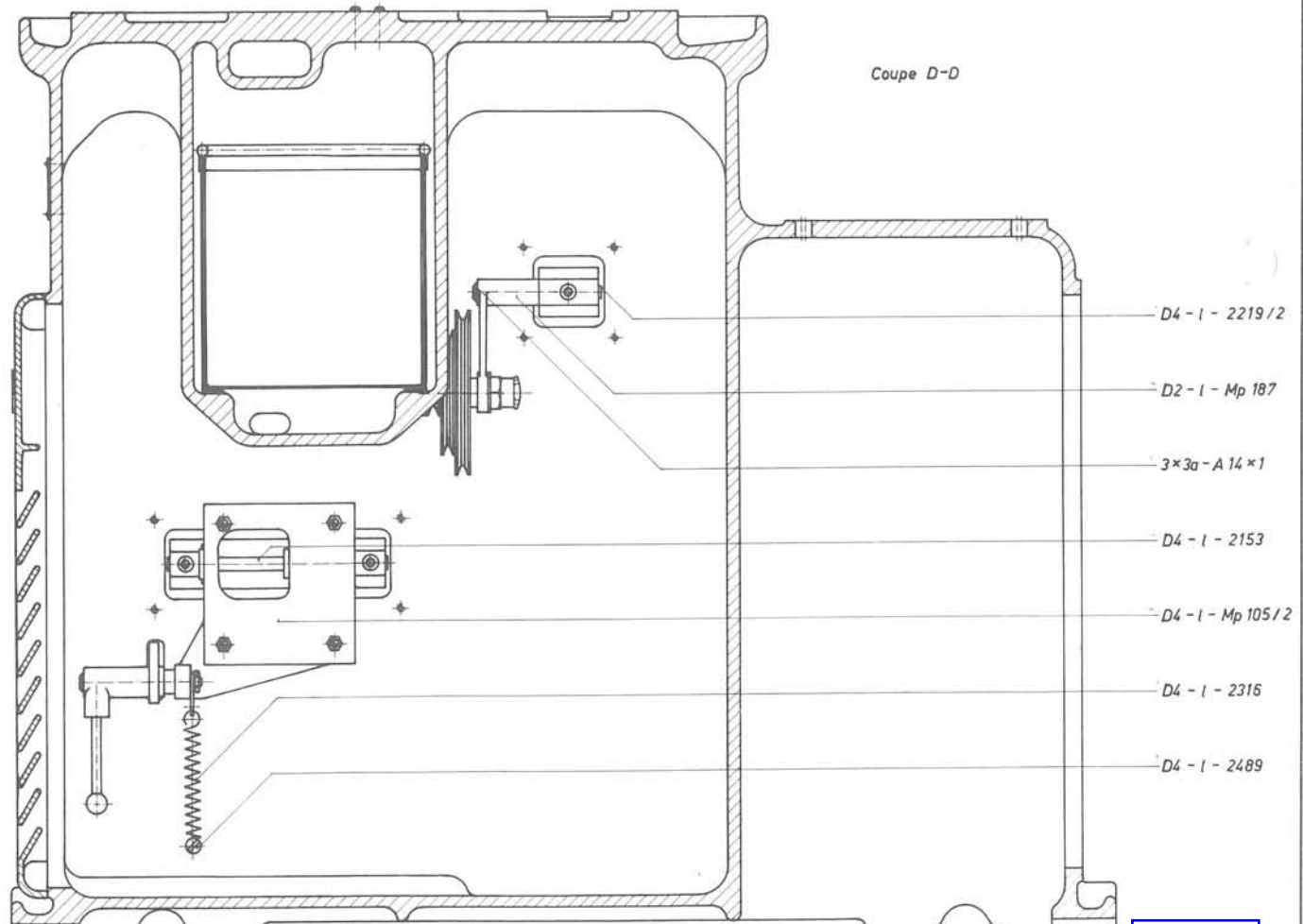
Modifications	Por lo cual sea necesario, ver Hoja 1000 1	Echelle	Matériau	Dessiné	Appr.
	± 0,1	n ± 0,2	□ ± 0,3		17.4.22
	Bascule moteur			1:1	
				Remplace	
				Remplace par	
ESCO S.A. Les Geneveys s. Collfrans					D4-l-Mp 105/2

Coupe C-C



Casting
 Motor mount
 Idler Pulley
 Idler Tool head
 Idler Drills
 Idler Gearbox

Coupe D-D



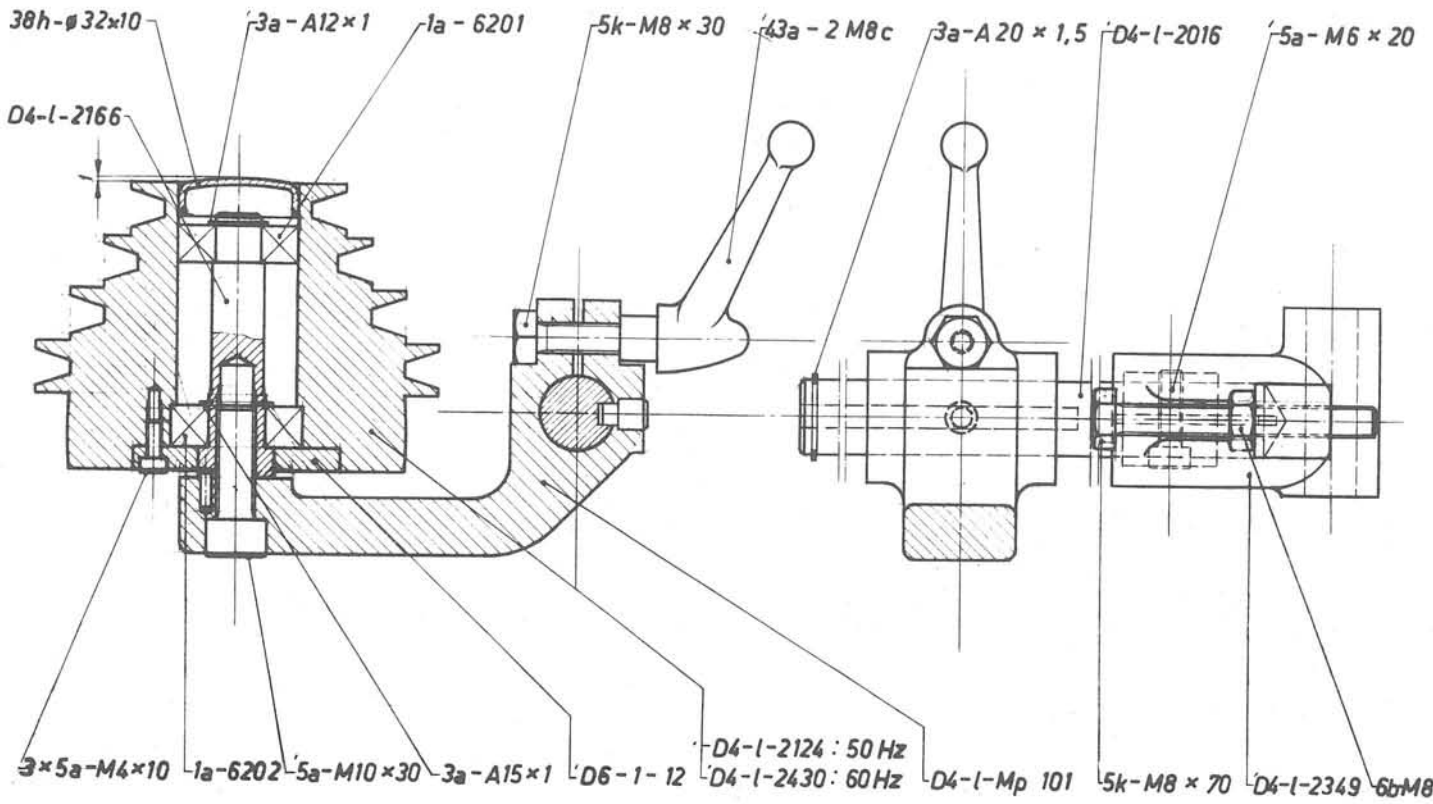
D4-I-Mp106/2

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ESCO S.A. Neuchâtel	D4 - I - Mp 106 / 2
Manufacture * * * * * * S.R.L. Sockle Usines, Suhrweg No.	Date 8 / 11 / 82 Chassis / M No.

Feuille 3

D4-L-Mp106/12



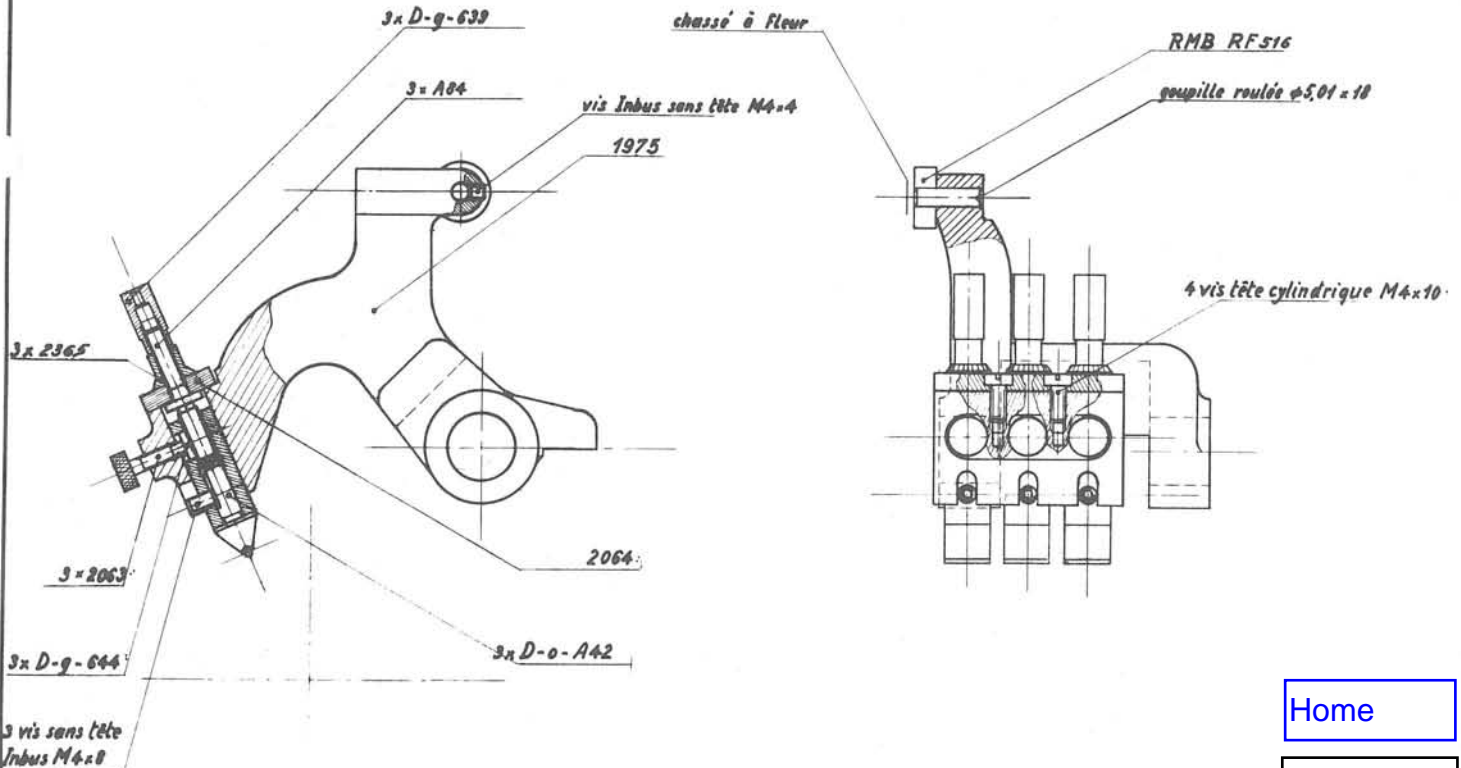
Idler Drills
 Pulley Adjustment
 Flat belt Handle
 Mount Bearing

[Home](#)

D4-L-Mp10

Modifications	Echelle	Poids brut	kg	Mettre	Date
29.2.6/11.9-62	* \pm 0,1 n \pm 0,2 \square \pm 0,8				19.2.82
	Renvoi perçage			Usinage	Contrôlé
					Vu
ESCO S.A. Les Geneveys s. Coffrane				D4-L-Mp 107	

D4-u-Mp113, f3 (11)



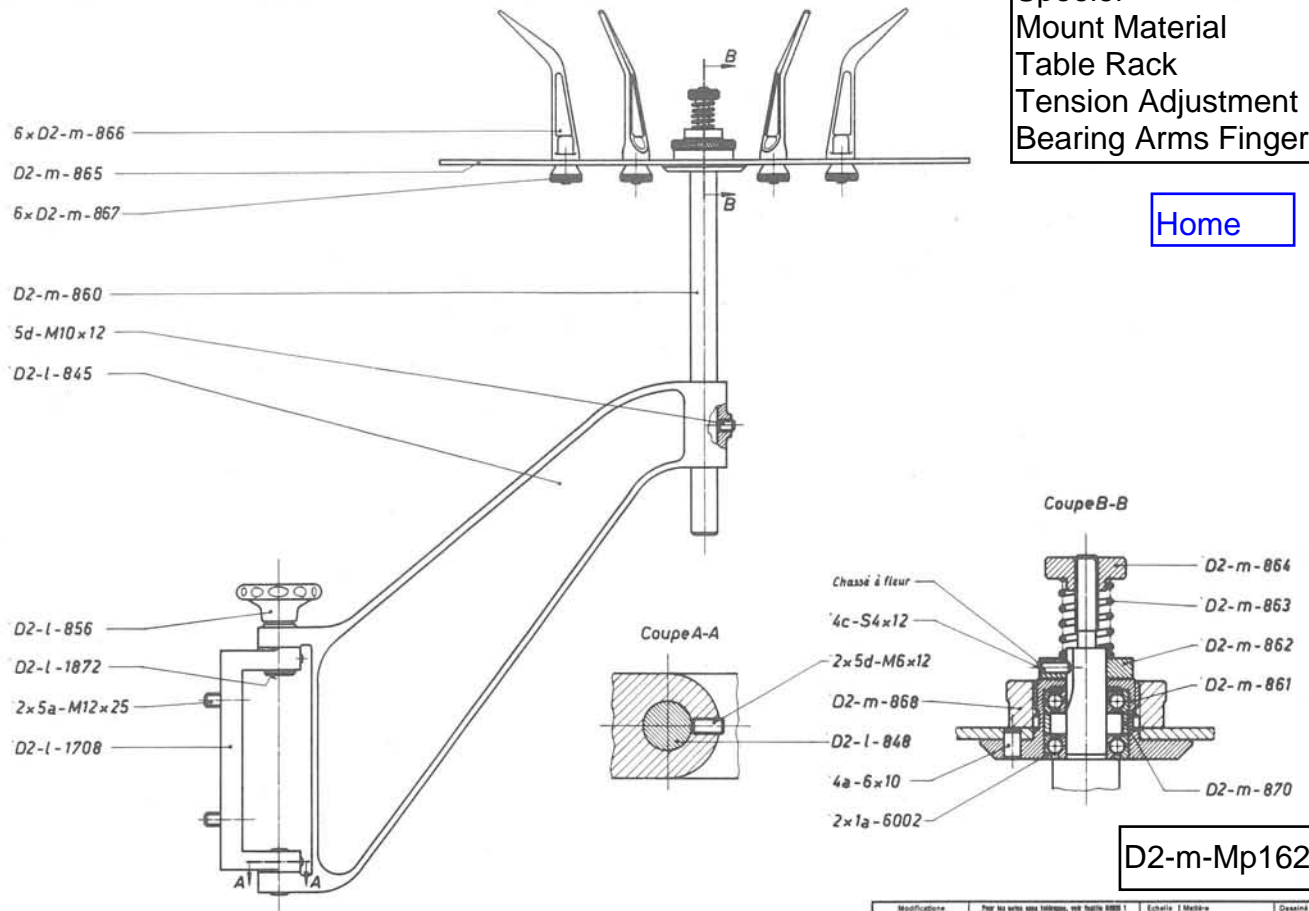
Lever cam follower Drill
 Adjustment
 Collet Arm Bearing
 Depth Pusher Rider

[Home](#)

D4-u-Mp96

Modifications	Echelle	Poids brut	kg	Mettre	Date
	* \pm 0,1 n \pm 0,2 \square \pm 0,8				8-4-59
	Ensemble levier pr broches			Usinage	Contrôlé
					Vu
ESCO S.A. Les Geneveys s. Coffrane				No. D4-u-Mp96	

Stock Derailer
Spooler
Mount Material
Table Rack
Tension Adjustment
Bearing Arms Fingers

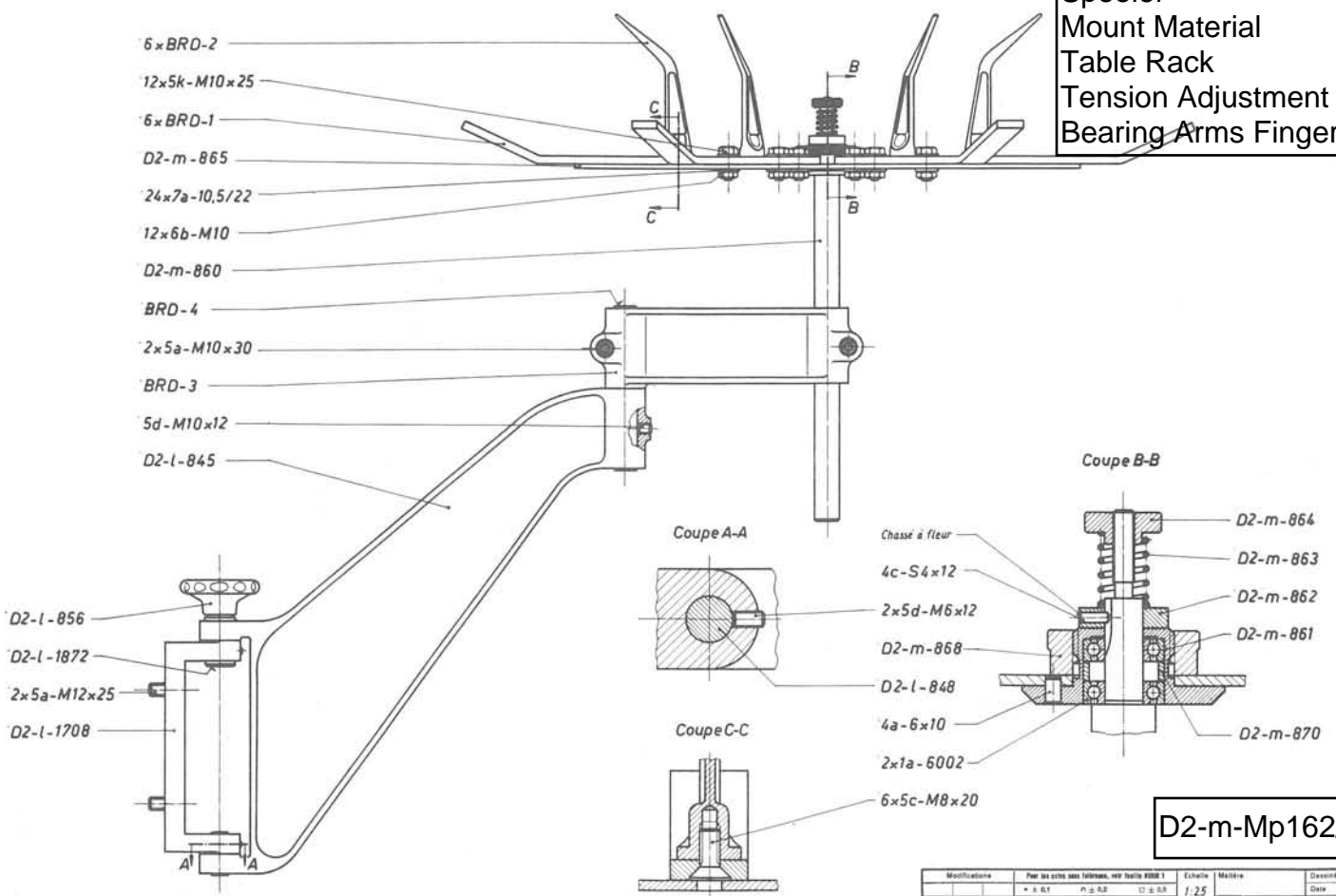


Home

D2-m-Mp162/1

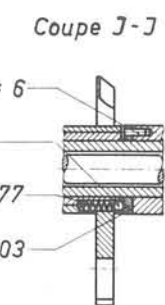
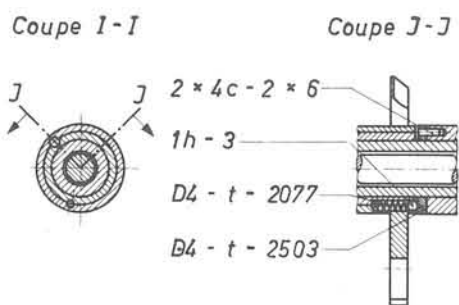
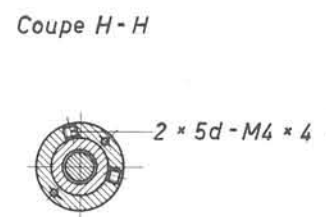
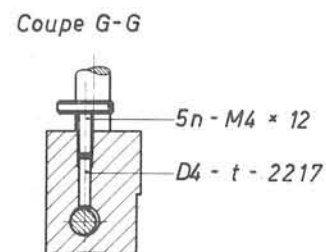
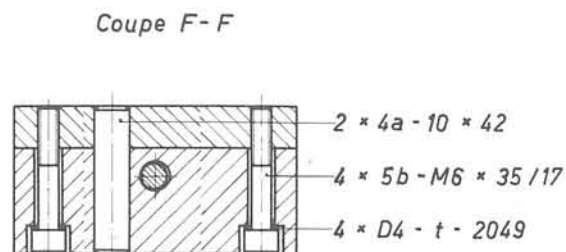
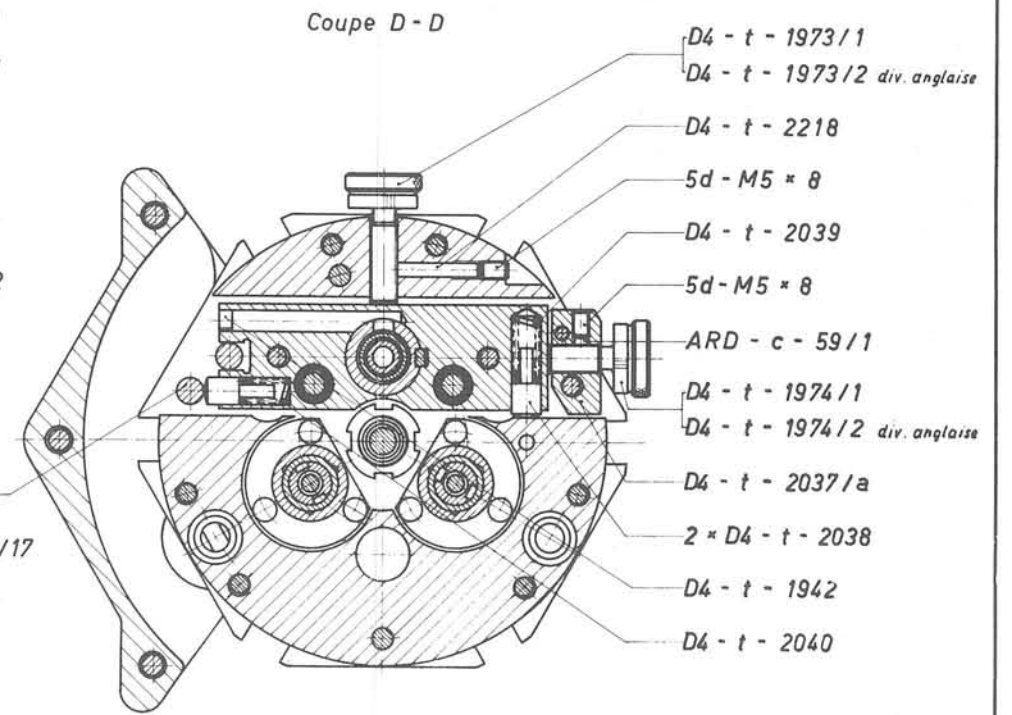
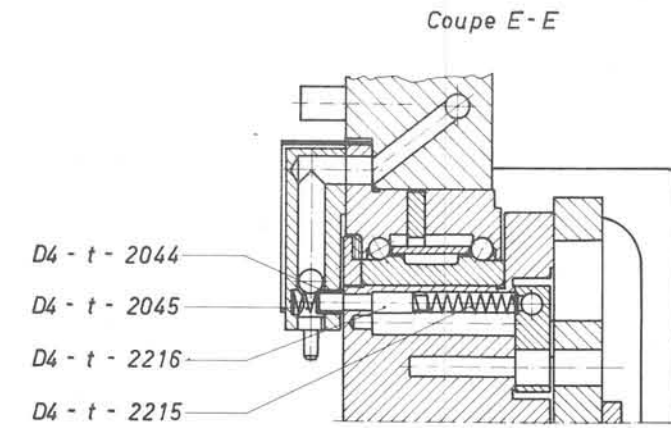
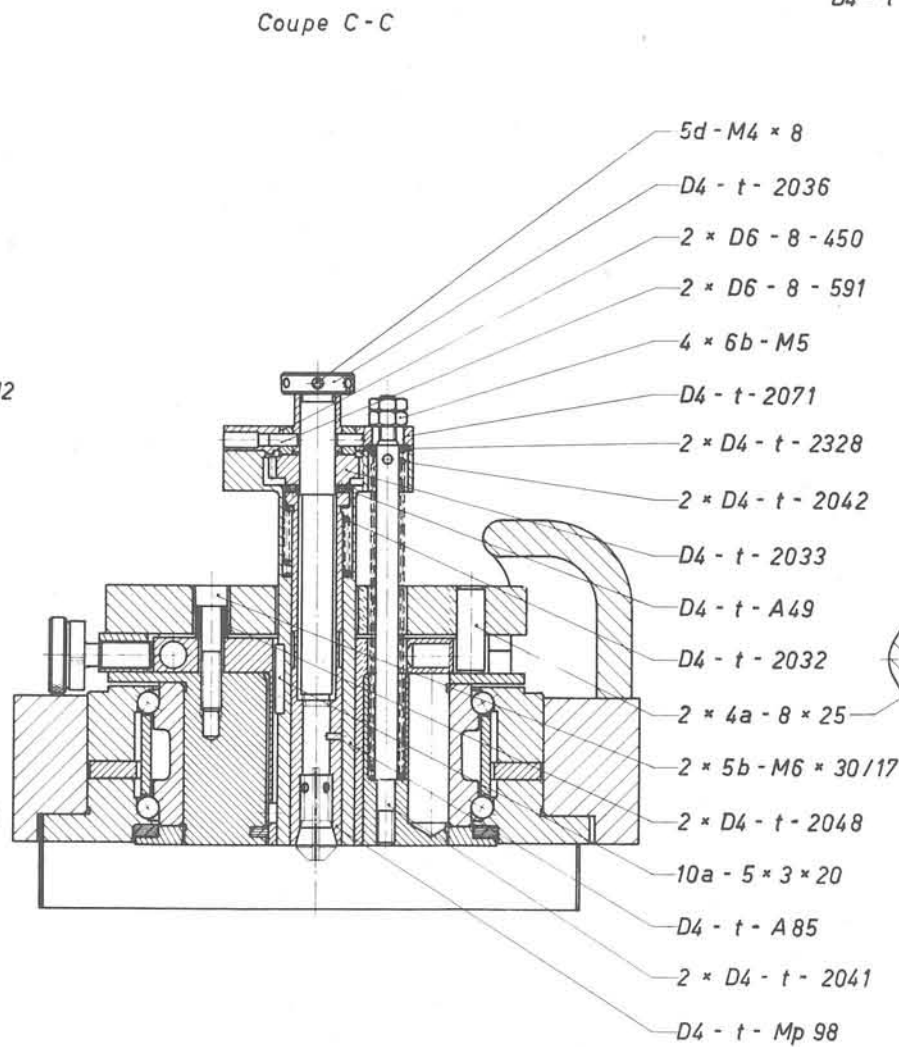
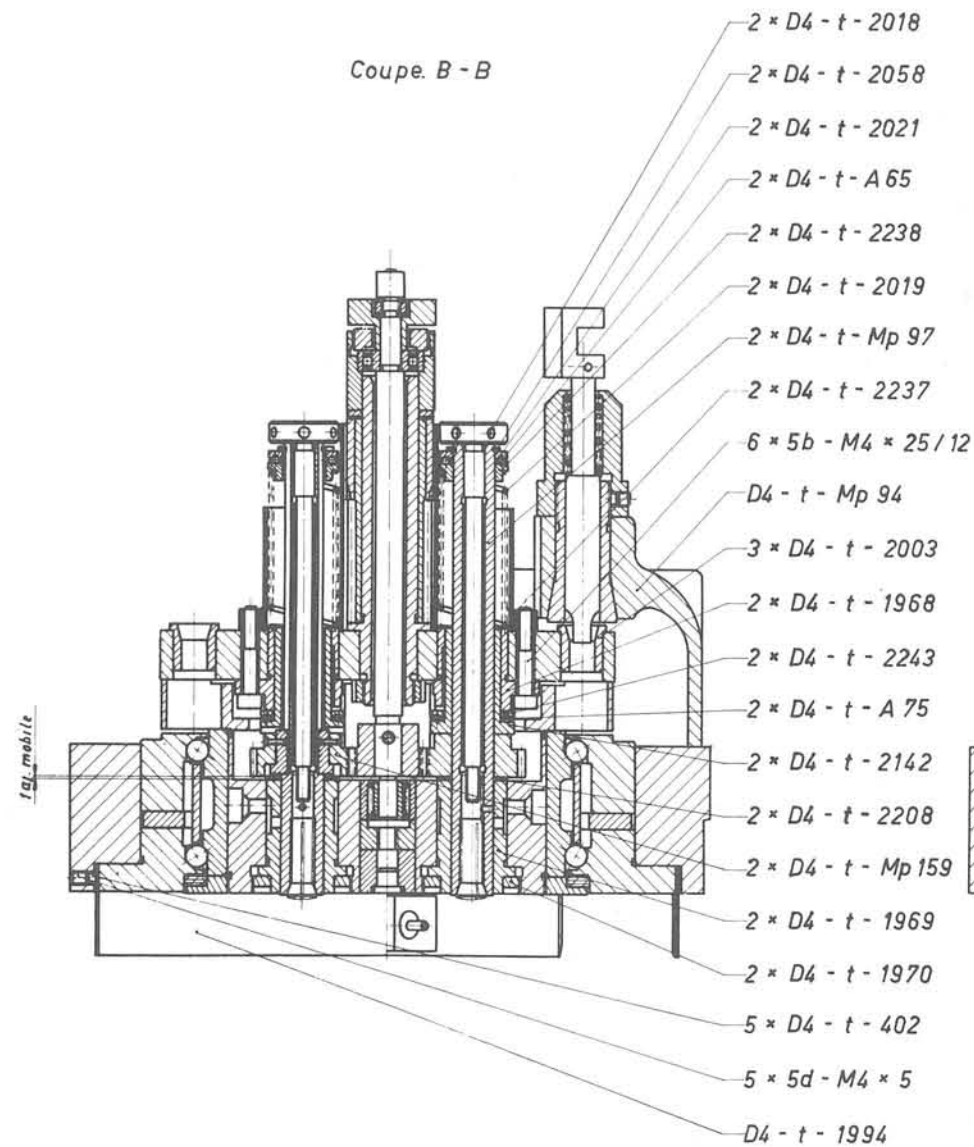
Modifications	Par les services concernés, voir feuille 8888 1	Echelle	Matériau	Dessiné	CA
	• ± 0,1 n ± 0,2 □ ± 0,5	1:25			24.3.62
	<i>Dévidoir</i>	1:1	Remplacé	D2-m-Mp162	
ESCO S.A. Les Geneveys s. Coffrane					D2-m-Mp162/1

Stock Derailer
Spooler
Mount Material
Table Rack
Tension Adjustment
Bearing Arms Fingers



D2-m-Mp162/1

Modifications	Par les services concernés, voir feuille 8888 1	Echelle	Matériau	Dessiné	CA
	• ± 0,1 n ± 0,2 □ ± 0,5	1:25			21.9.62
	<i>Dévidoir</i>	1:1	Remplacé	D4-m-Mp162	
ESCO S.A. Les Geneveys s. Coffrane					D4-m-Mp162/2



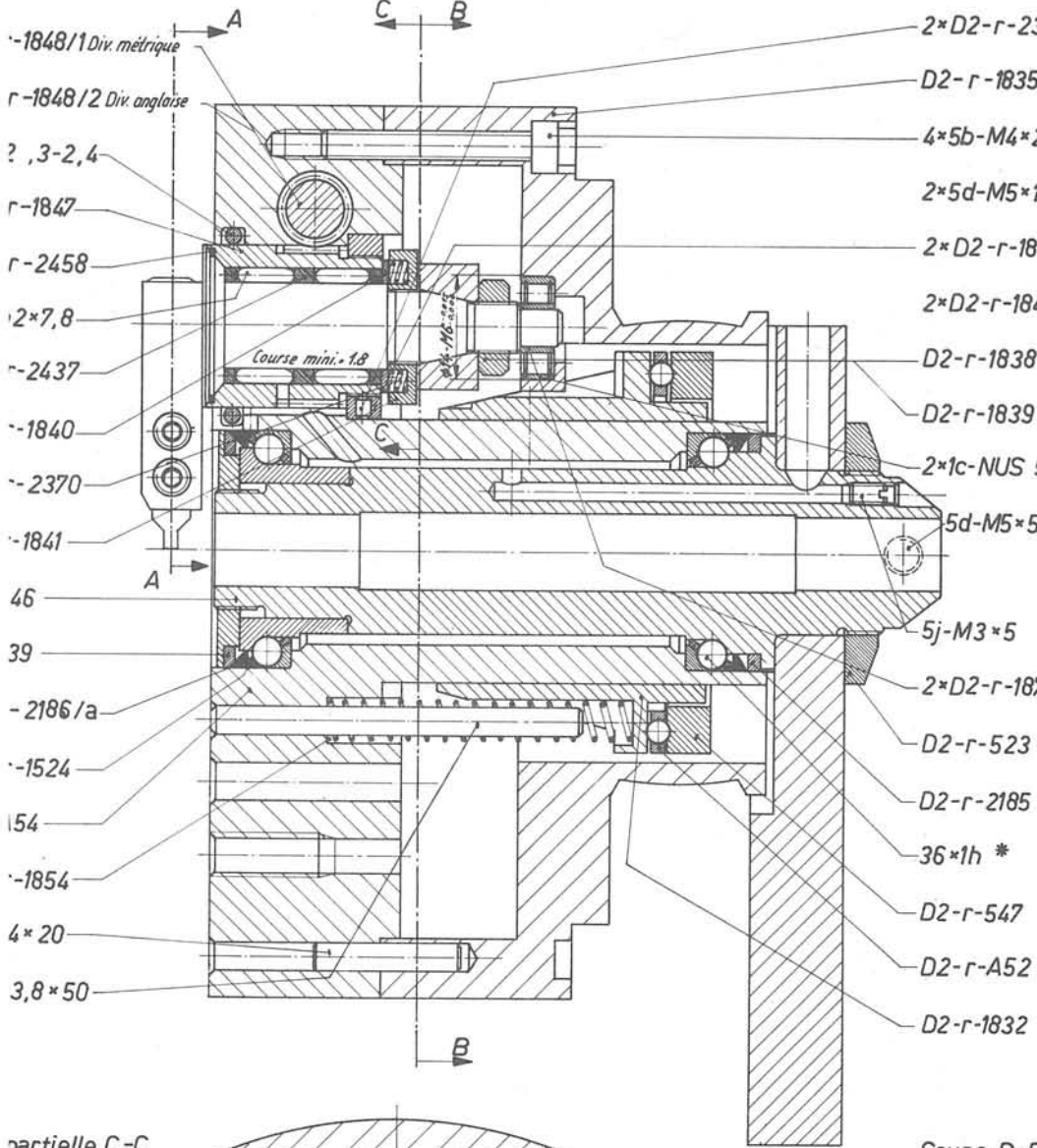
Turret Revolver
 Collet Spindles
 Bearing Fiberglass
 Shaft Nut oiler
 Adjustment Coupling
 Index Pin Lock
 Gear Mount
 Drill Spindle

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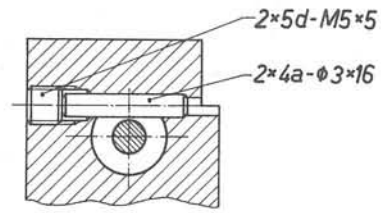
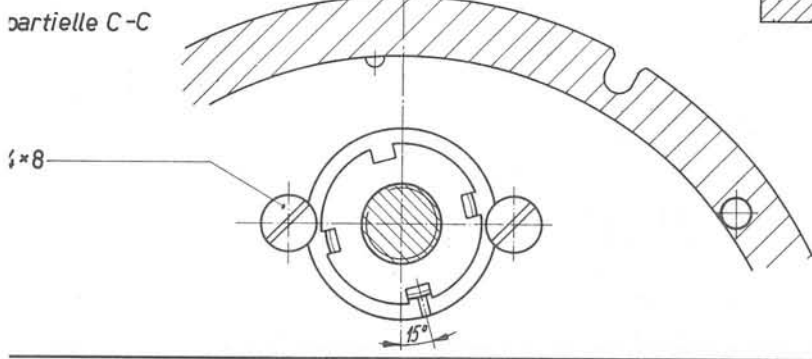
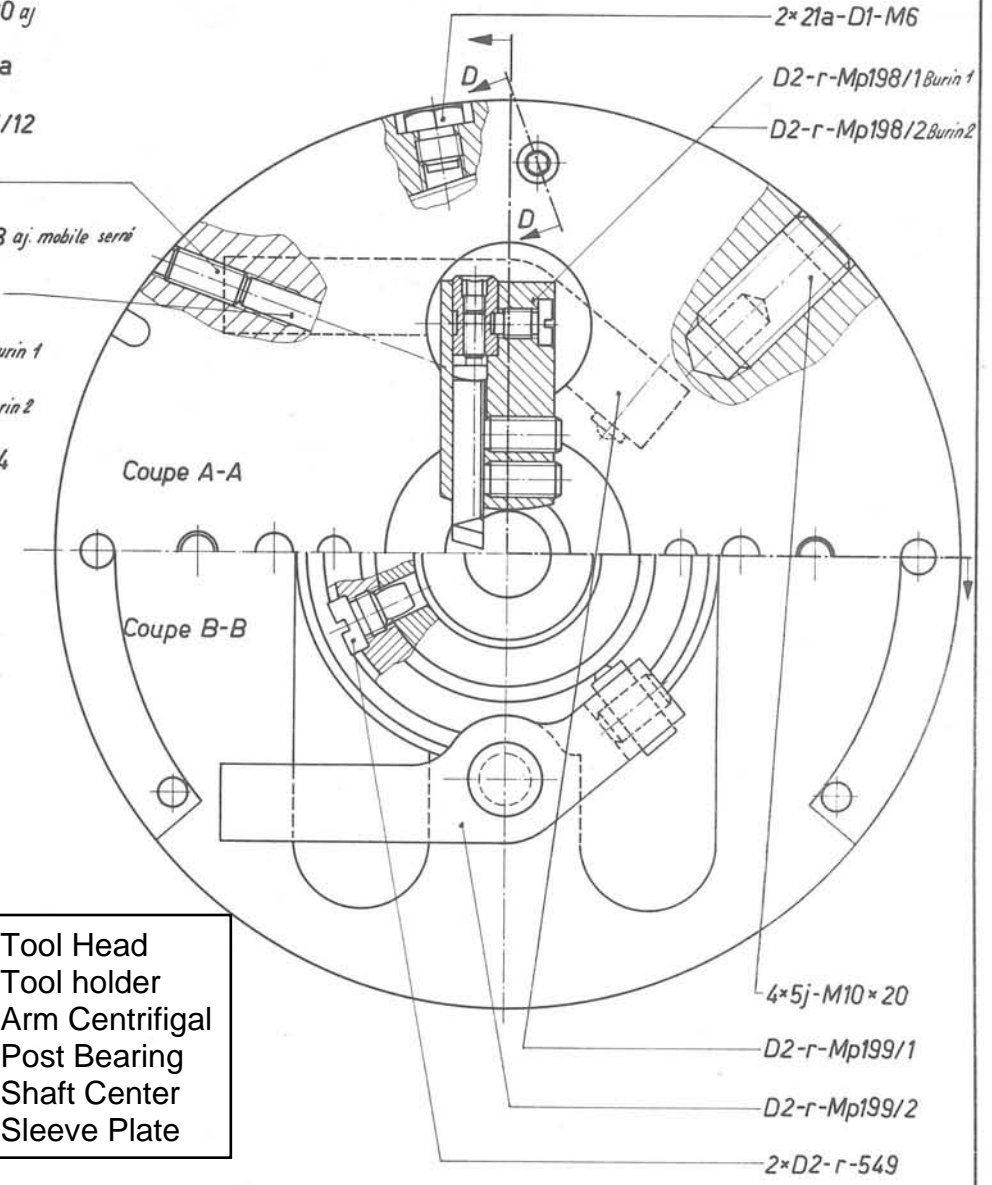
D4-t-Mp100

Modifications	Pour les cotés sans tolérance, voir feuille NORM 1	Echelle	Matériau	Dessiné	Approuvé
	* ± 0,1 n ± 0,2 1: ± 0,5	1:1	Remplace		
Révolver					
Date F. 2 63					

190/1
190/2



Tool Head
 Tool holder
 Arm Centrifugal
 Post Bearing
 Shaft Center
 Sleeve Plate



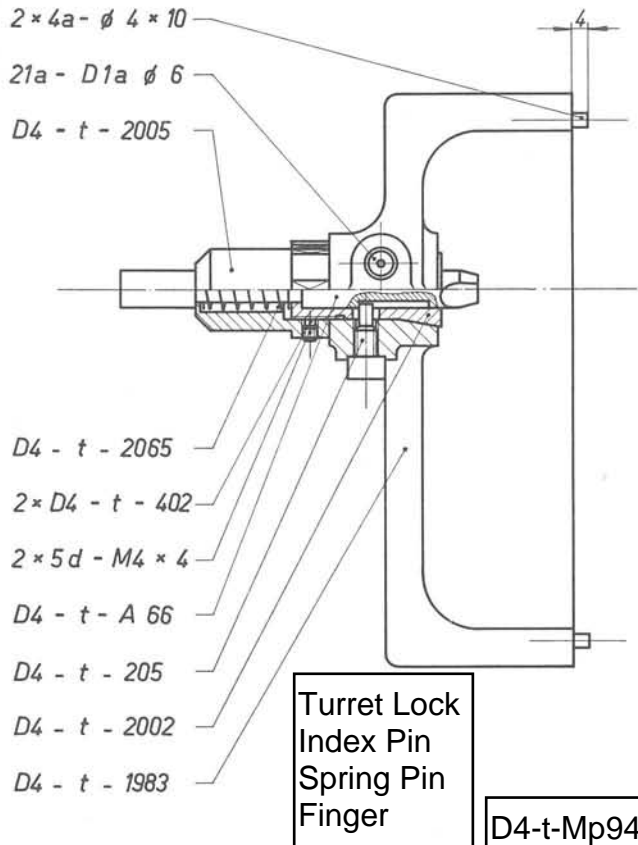
* Pour chemins de roulement r 2,10
 φ des billes = $\frac{\phi \text{ du chemin extérieur} - \phi \text{ du chemin intérieur}}{2} - 0,03$
 A mesurer au montage

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D2-r-Mp71

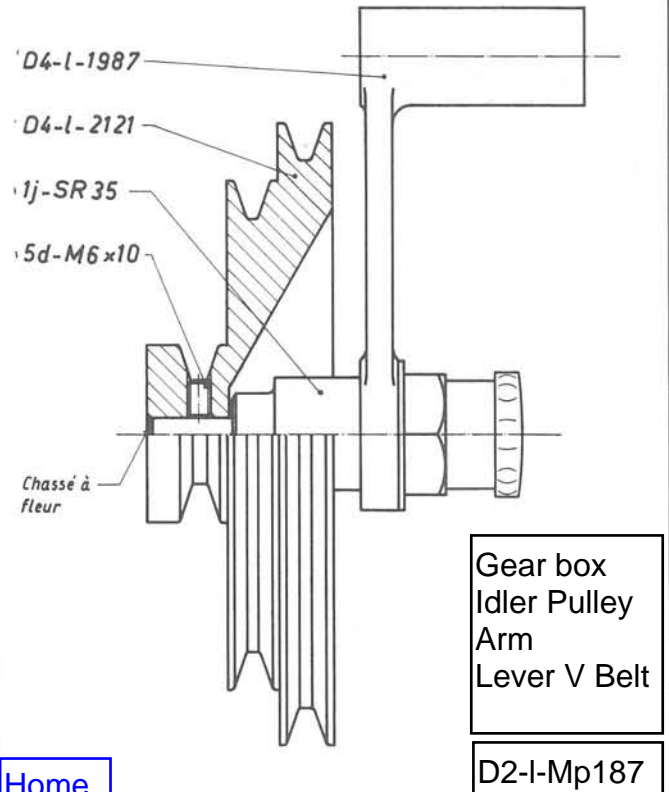
Modifications	Pour les cotes sans tolérance, voir feuille NORM 1 * ± 0,1 □ ± 0,2 □ ± 0,5	Echelle	Matière	Dessiné
	Mandrin	2:1		Date 12.3.83
ESCO S.A. Les Geneveys s. Coffrane		D2-r-Mp71		

Empl: D4 - t - Mp 100



Pour les cotes sans tolérance, voir normes internes	Echelle	Matériau	Dessiné
Dispositif de verrouillage	1 : 1	Remplace	Date 29.11.66
ESCO S.A. Les Geneveys s. Coffrane	D4 - t - Mp 94		

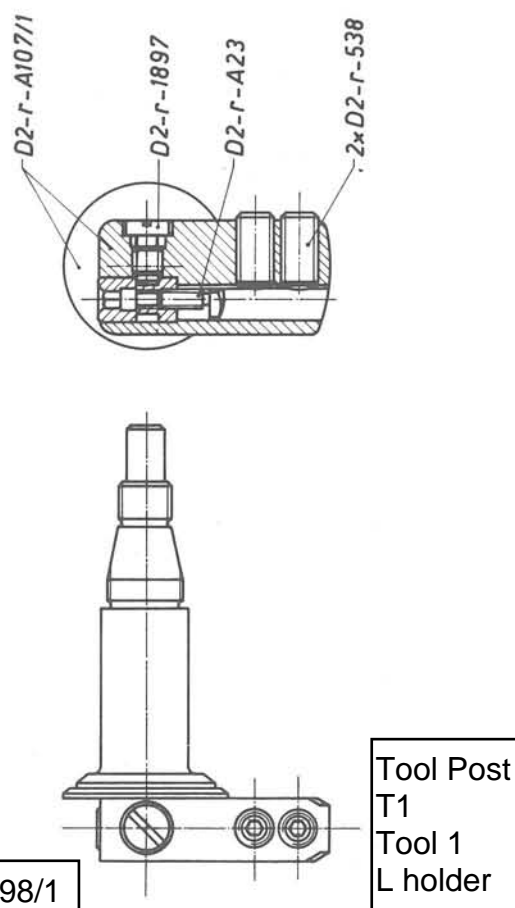
D2-l-Mp106/1
 D4-l-Mp106/2



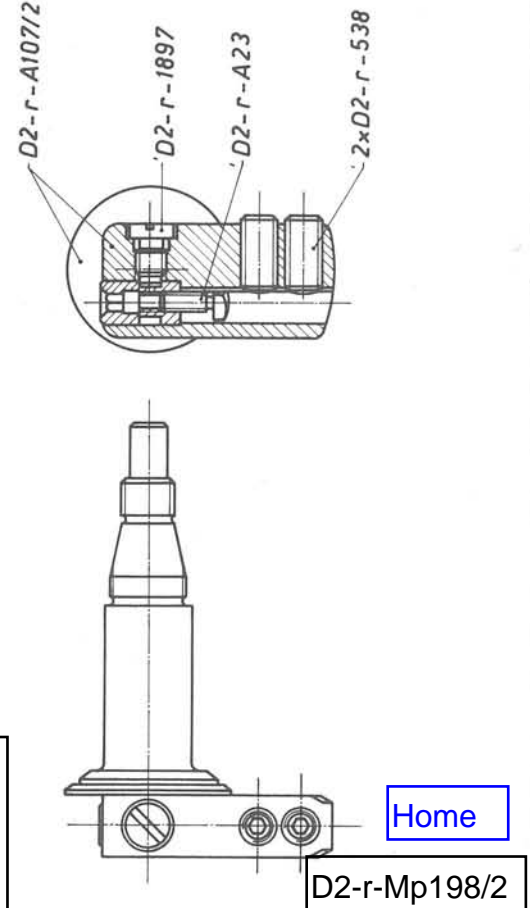
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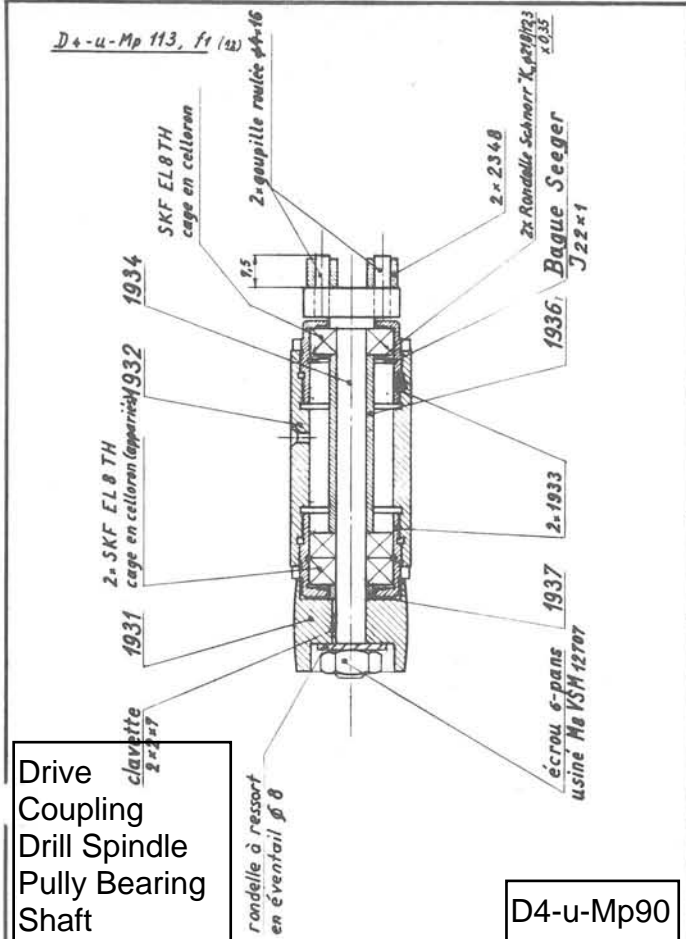
Modifications	Pour les cotes sans tolérance, voir feuille B08M 1	Echelle	Matériau	Dessiné	CA
	* \pm 0,1 ϕ \pm 0,2 \square \pm 0,5	1 : 1	Remplace	Date	14.9.62
	Renvoi bt.à vitesse		Remplacé par		
ESCO S.A. Les Geneveys s. Coffrane	D2-l-Mp187				

D2-r-Mp71



D2-r-Mp71

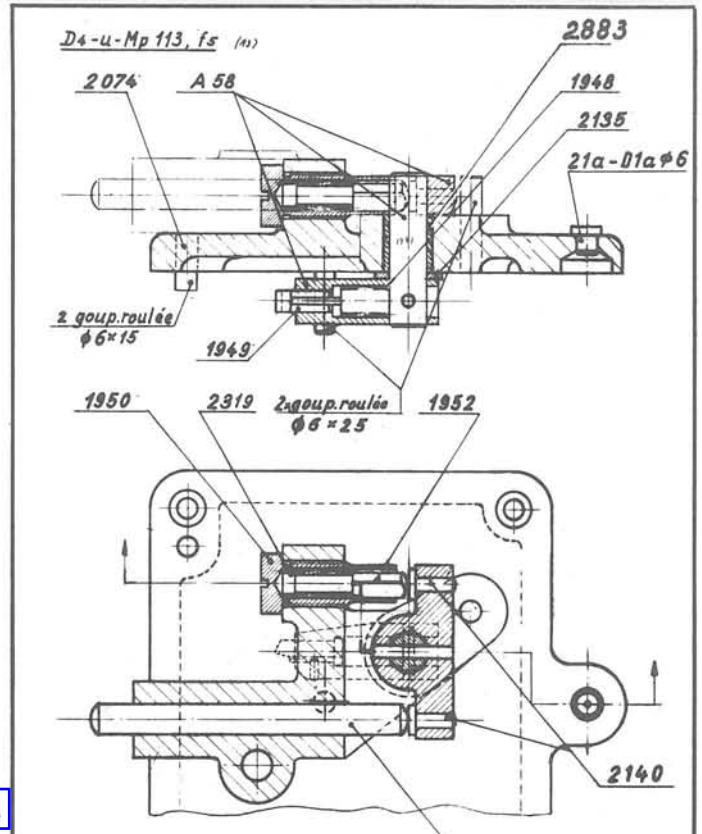




Drive
Coupling
Drill Spindle
Pulley Bearing
Shaft

D4-u-Mp90

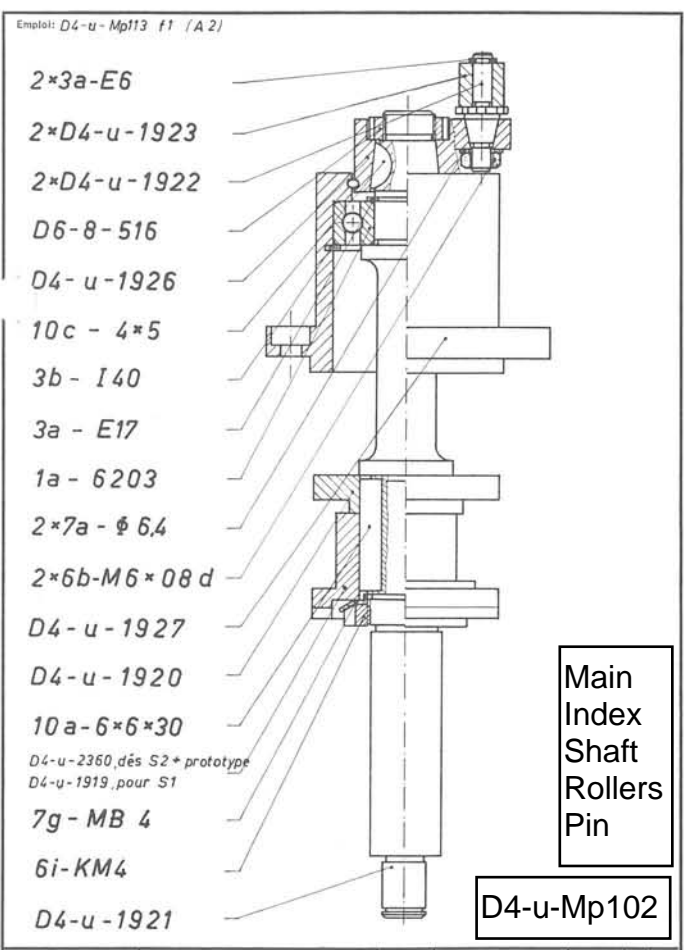
Modifications	Echelle 1:1	Poids brut kg	Matière	Date 11.12.57
17.1.61	* ± 0,1 n ± 0,2 □ ± 0,5		Usinage	Dessiné /P/
Quill			Contrôle Vu	
ESCO S.A. Les Geneveys s. Coffrane		No. D4-u-Mp90		



Index Cover Pin Plate
Bushing Finger

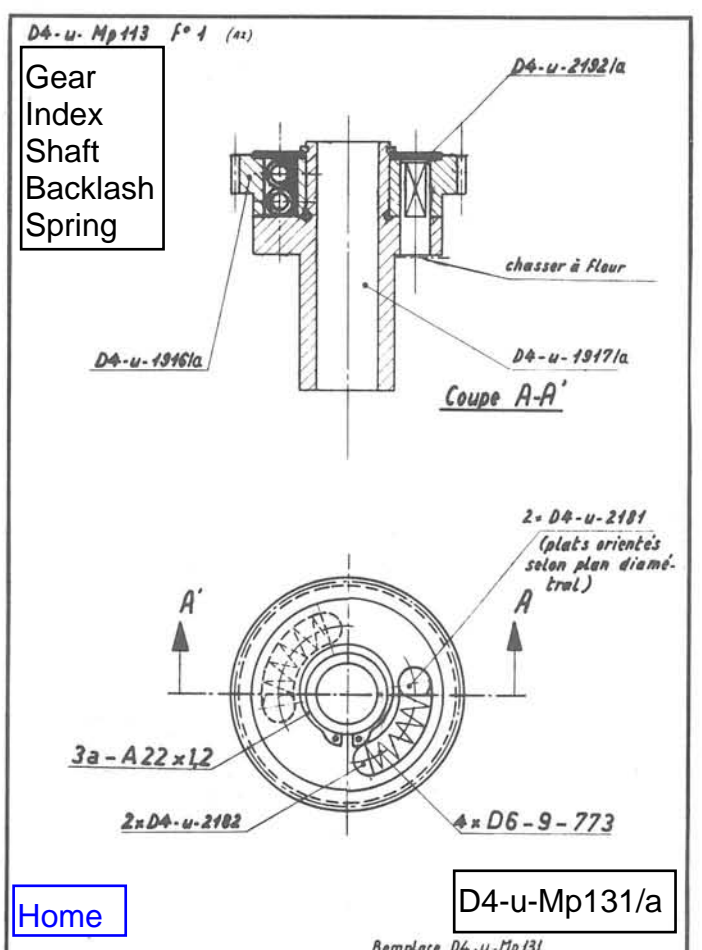
D4-u-Mp103

Modifications	Echelle 1:1	Poids brut kg	Matière	Date 31.1.58
29.10.62	* ± 0,1 n ± 0,2 □ ± 0,5		Usinage	Dessiné /P/
Couvercle			Contrôle Vu	
ESCO S.A. Les Geneveys s. Coffrane		No. D4-u-Mp103		



D4-u-Mp102

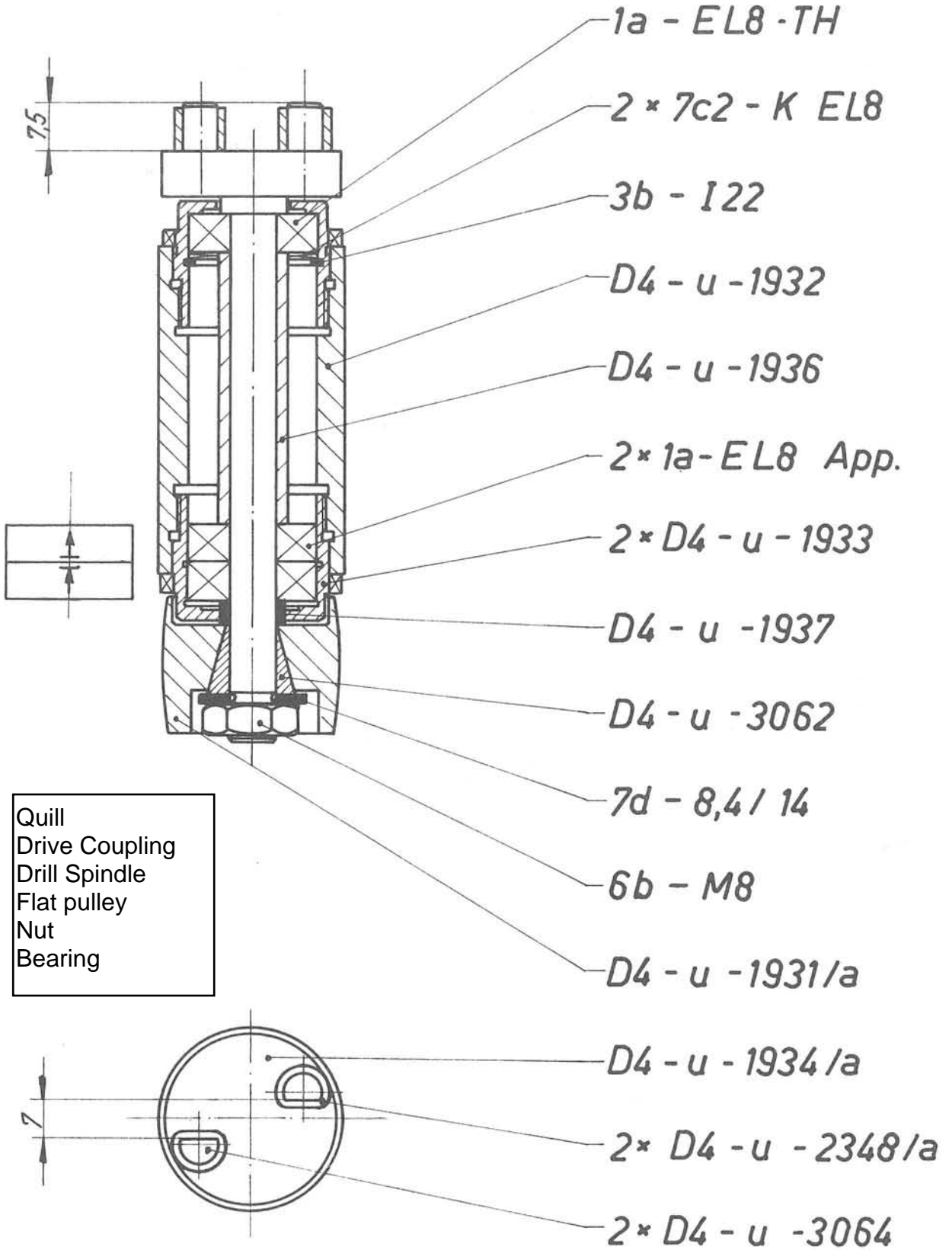
Modifications	Pour les cotes sans tolérance, voir normes Internes	Echelle	Matière	Dessiné CR



D4-u-Mp131/a

Modifications	Echelle 1:1	Poids brut kg	Matière	Date 16-10-58

Sens de montage des rouls à billes



Quill
 Drive Coupling
 Drill Spindle
 Flat pulley
 Nut
 Bearing

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Pour les cotes sans tolérance, voir normes internes

Echelle

Matière

D4-u-Mp90

Dessiné *E.*

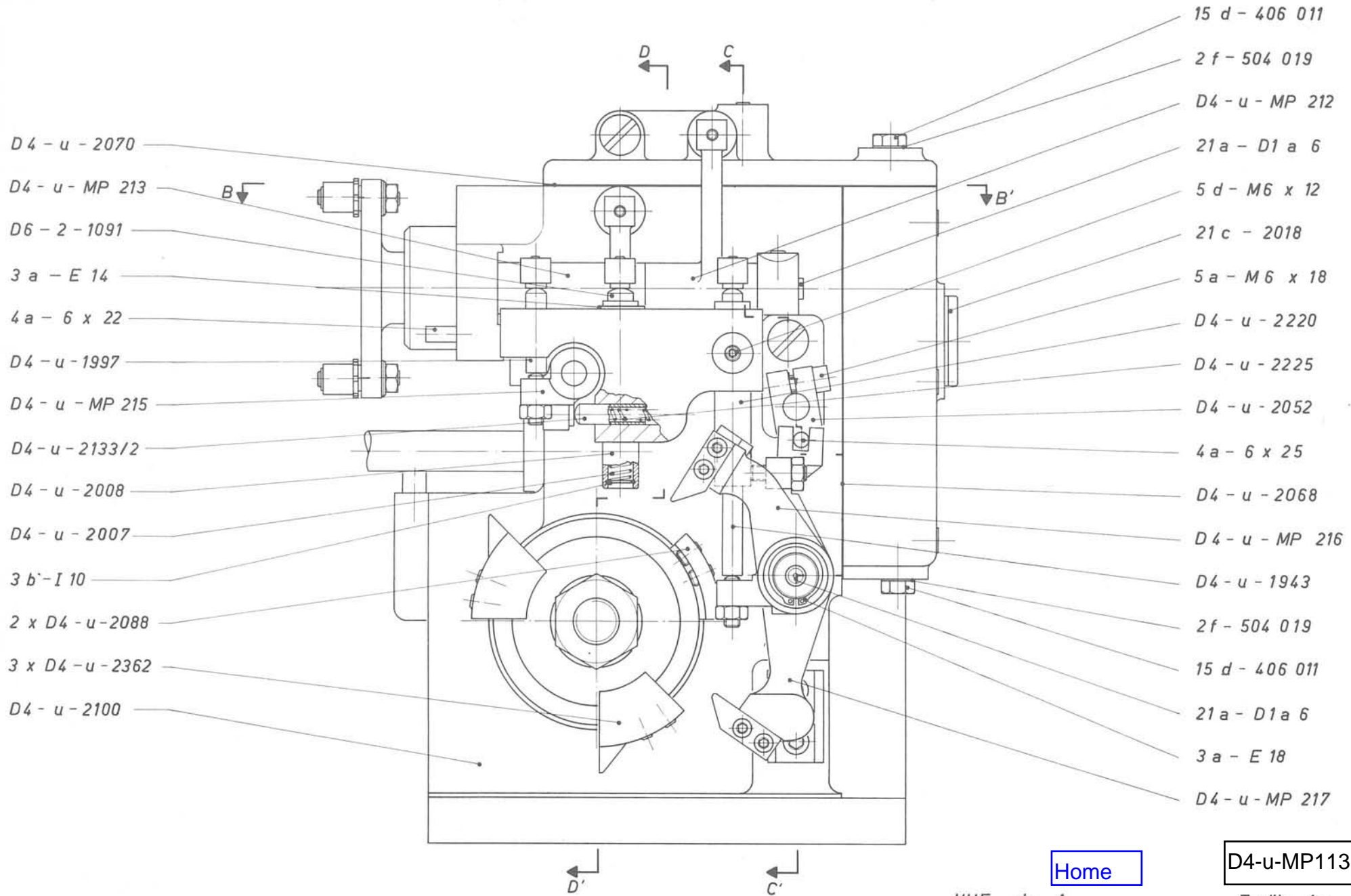
Date 7.9.67

Quill

1/1

Remplace Valable dès S 28

Remplacé par



- D4 - u - 2070
- D4 - u - MP 213
- D6 - 2 - 1091
- 3 a - E 14
- 4 a - 6 x 22
- D4 - u - 1997
- D4 - u - MP 215
- D4 - u - 2133/2
- D4 - u - 2008
- D4 - u - 2007
- 3 b' - I 10
- 2 x D4 - u - 2088
- 3 x D4 - u - 2362
- D4 - u - 2100

- 15 d - 406 011
- 2 f - 504 019
- D4 - u - MP 212
- 21 a - D1 a 6
- 5 d - M6 x 12
- 21 c - 2018
- 5 a - M6 x 18
- D4 - u - 2220
- D4 - u - 2225
- D4 - u - 2052
- 4 a - 6 x 25
- D4 - u - 2068
- D4 - u - MP 216
- D4 - u - 1943
- 2 f - 504 019
- 15 d - 406 011
- 21 a - D1 a 6
- 3 a - E 18
- D4 - u - MP 217

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D4-u-MP113

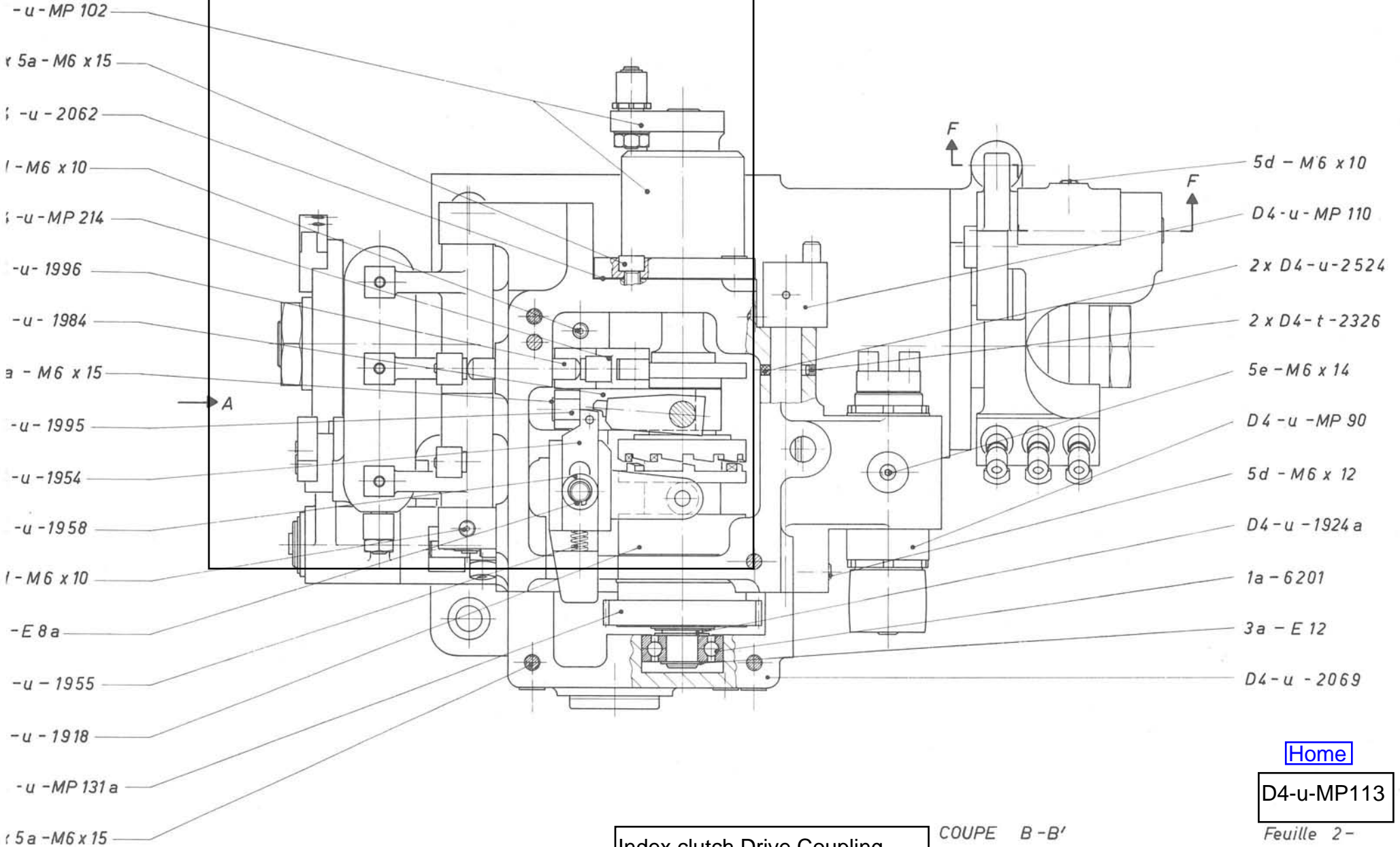
Index Trip Dogs
Follower Plunger Open
Close Collet sight glass

VUE de A

Feuille 1-

Modifications	Pour les cotes sans tolérances, voir feuille NORM 1 * Cote résultante des tolérances	Echelle	Matière	Dessiné Date
	Appareil en bout		Remplace Remplacé par	
ESCO S.A. Les Geneveys s. Coffrane			D4 - u - MP 113	

REDO !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!



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D4-u-MP113

Feuille 2-

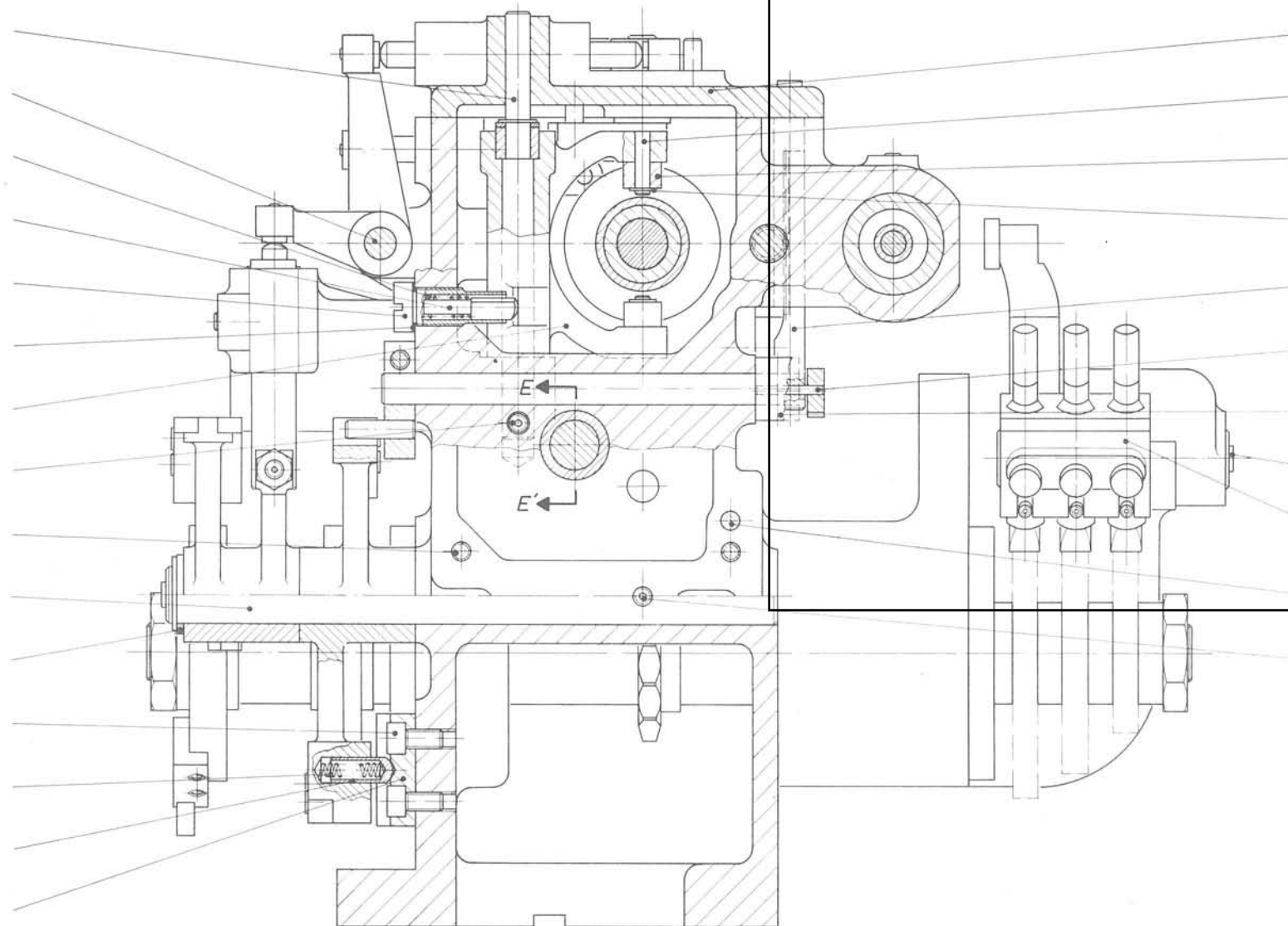
Index clutch Drive Coupling
 Bearing
 Finger Latch Spring Lever
 Collet open close

COUPE B-B'

Modifications	Pour les cotes sans tolérance, voir feuille NORM 1 * Cote résultante des tolérances	Echelle	Matériau	Dessiné	Date
					9.63
Appareil en bout			Remplace		
			Remplacé par		
ESCO S.A. Les Geneveys s. Coffrane			D4-u-MP113		

WPH

- D4 - u - 1956
- D4 - u - 2073
- D4 - u - 1951
- D4 - u - 1952
- D4 - u - 1950
- D4 - u - 2212
- D4 - u - 1953
- 5 d - M6 x 10
- 6 x 5 b - M6 x 40
- D4 - u - 2072
- D4 - u - 2134
- 2 x 5 a - M6 x 12
- D4 - u - 2066
- D4 - u - 2133 / 1
- D4 - u - 2051



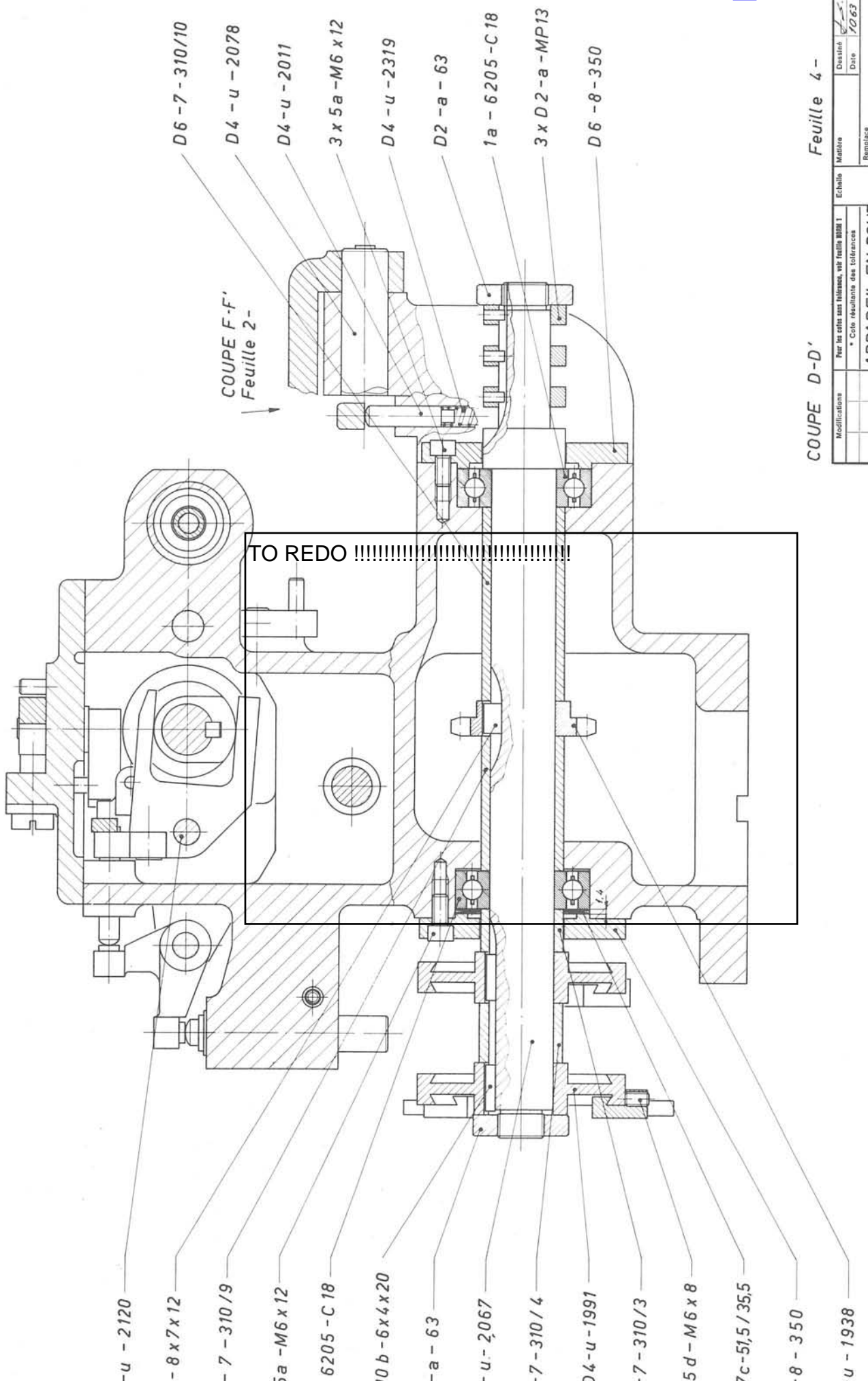
TO REDO !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!1

- D4 - u - MP 11
- 2 x D4 - u - 22
- 2 x D6 - 3 - 47
- 2 x 3 a - E5 a
- D4 - u - 2055
- 4 a - 3 x 22
- D4 - u - A 72
- 21 a - D1 a 6
- D4 - u - MP 9
- 2 x 4 a - 6 x 1
- 5 d - M6 x 8

COUPE C-C'

Feuille 3-

Modifications	Pour les cotes sans tolérances, voir feuille NORM 1 * Cote résultante des tolérances	Echelle	Matériau	Dessiné
				Date
	APPAREIL EN BOUT		Remplacé	
			Remplacé par	
ESCO S.A. Les Geneveys s. Coffrane			D4 - u - MP 11	



COUPE D-D'

Modifications	Par les effets des tolérances, voir feuille 0004.1		
	* Cote résultante des tolérances		
APPAREIL EN BOUT			
Echelle		Matériau	
Destiné		Date	
Remplace		1063	
Remplacé par			

3 x 5 b - M6 x 25

D4 - u - 1915

10 b - 4 x 4 x 20

7 d - M8

6 b - M8

Index drive shaft
Bearing
Sprocket
Nut Gear

7 a - 8,4 x 18

D4 - u - 1912

1 a - 6201

D4 - u - 1914

Q4 - u - 1929

3 x 5 a - M4 x 12

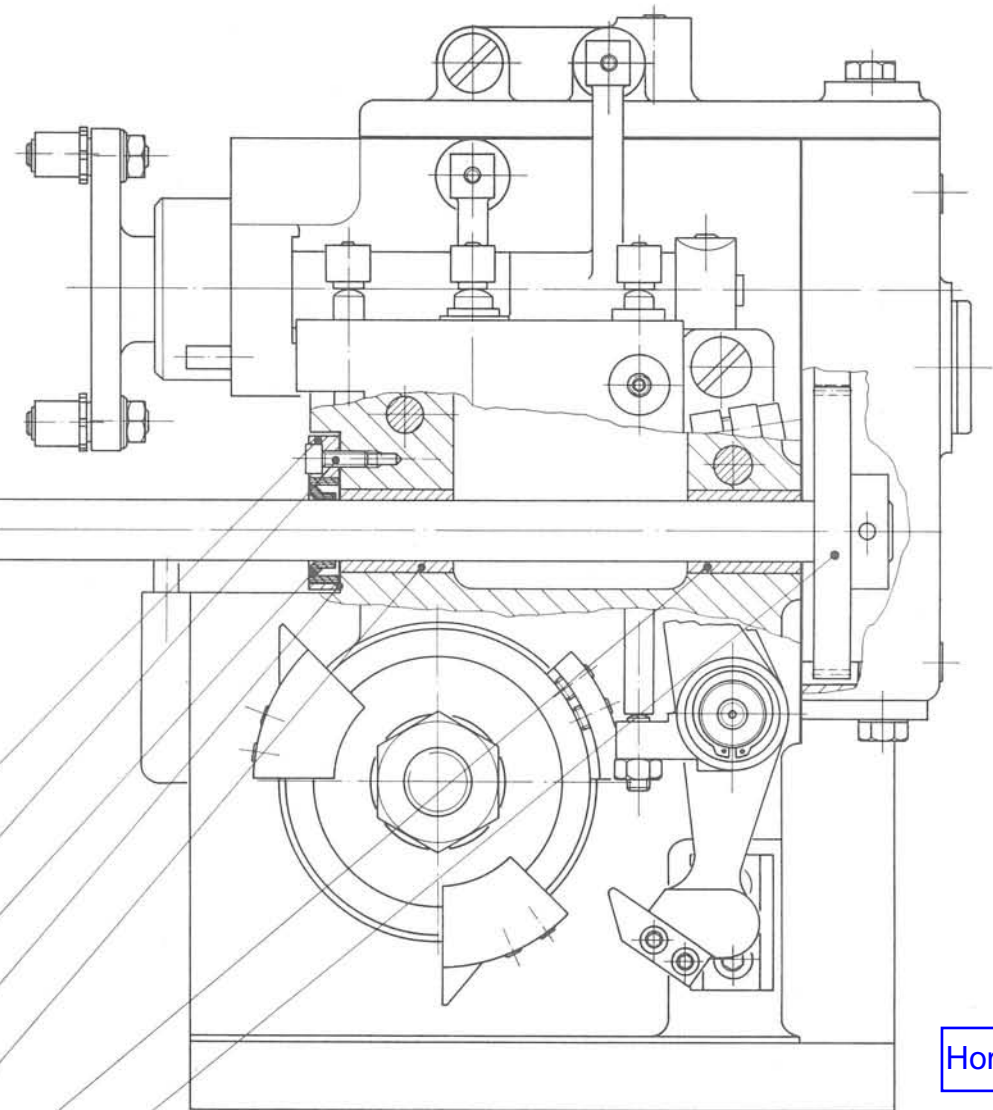
2 a - 16 x 28 x 7

D4 - u - 2059

D4 - u - 2126

D4 - u - 2126

D4 - u - A69



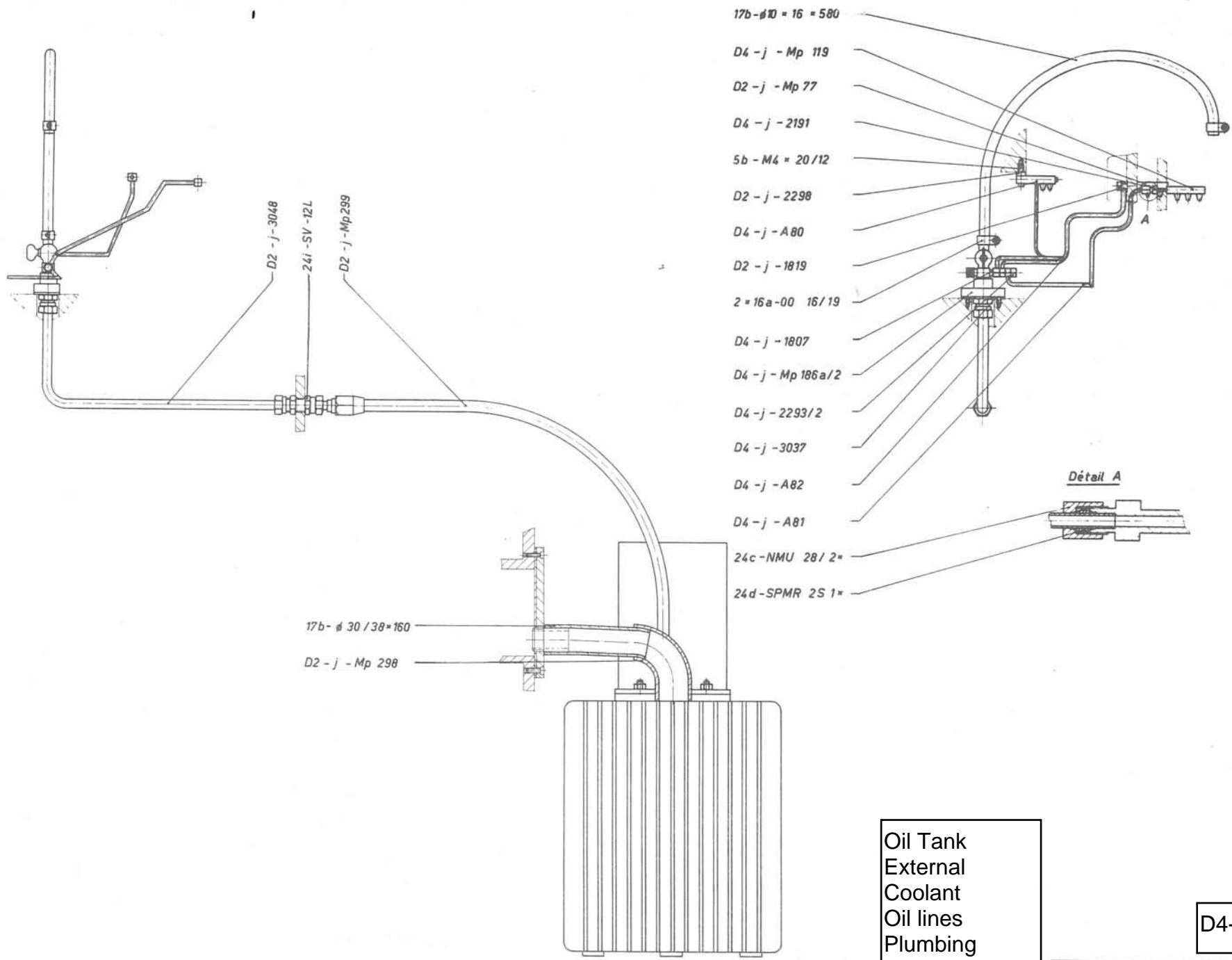
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D4-u-MP113

COUPE E-E'

Feuille

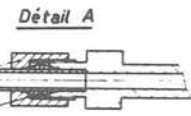
Modifications	Pour les cotes sans tolérance, voir feuille 0000 1	Echelle	Matériau	Di
	* Cote résultante des tolérances			Di
	APPAREIL EN BOUT		Remplace	
			Remplacé par	
ESCO S.A. Les Geneveys s. Coffrane			D4 - u - MP 113	



- 17b-ø10 = 16 = 580
- D4 - j - Mp 119
- D2 - j - Mp 77
- D4 - j - 2191
- 5b - M4 = 20 / 12
- D2 - j - 2298
- D4 - j - A 80
- D2 - j - 1819
- 2 = 16a - 00 16 / 19
- D4 - j - 1807
- D4 - j - Mp 186a / 2
- D4 - j - 2293 / 2
- D4 - j - 3037
- D4 - j - A 82
- D4 - j - A 81
- 24c - NMU 28 / 2*
- 24d - SPMR 2S 1*

17b- ø 30 / 38 = 160
 D2 - j - Mp 298

D2 - j - 3048
 24i - SV - 12L
 D2 - j - Mp 299

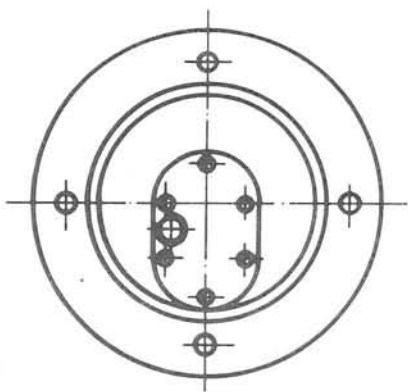
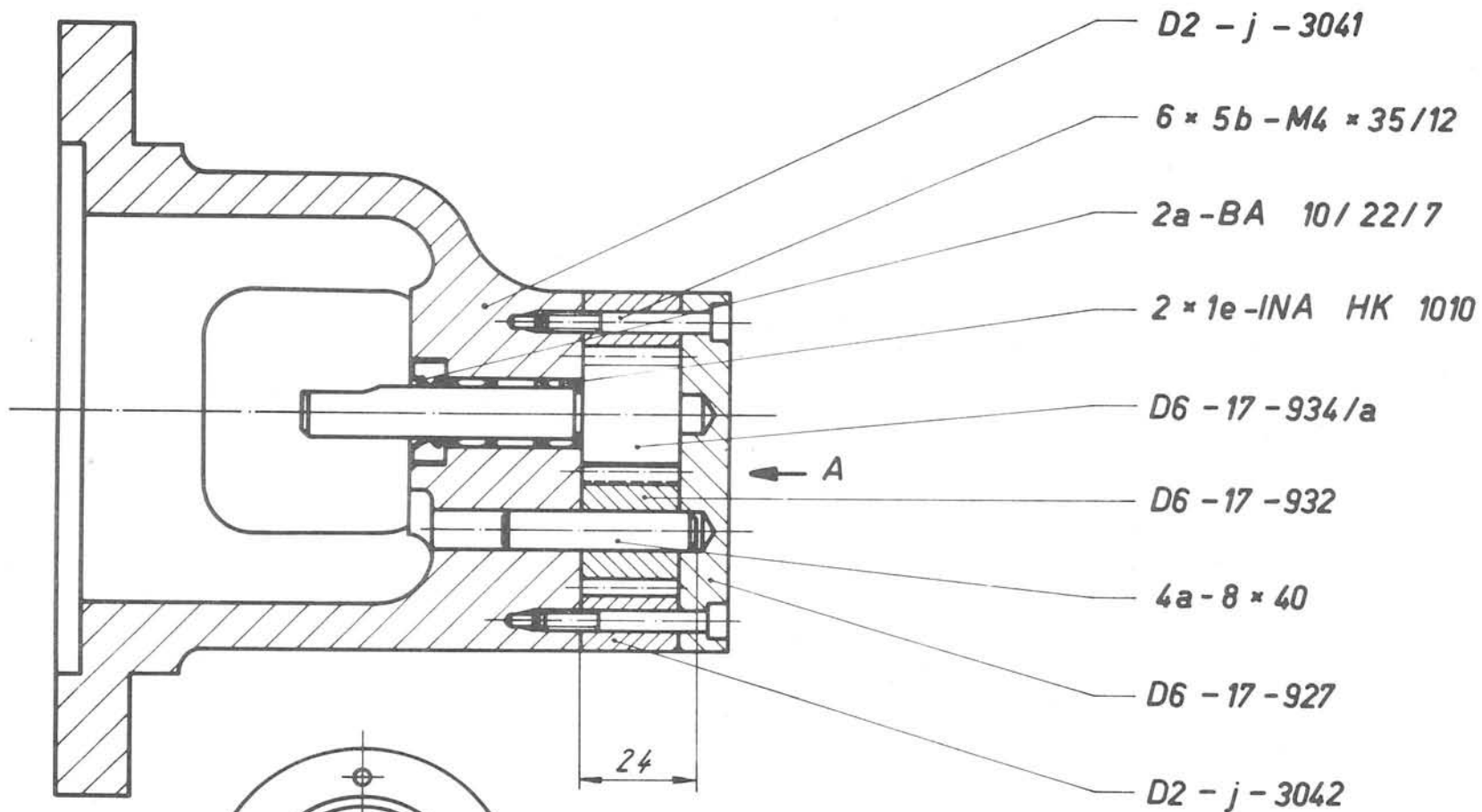


Oil Tank
 External
 Coolant
 Oil lines
 Plumbing
 Drain
 Hose Nossle

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D4-j-Mp111a/2

Pour les cotes sans décimales, voir normes internes Lubrification D4	E. Ludo 1:2,5	Matière Date 10.7.67	Dessiné 10.7.67
ESCO S.A. Les Geneveys s. Collina		D4 - j - Mp111a/2	




Vue de A

Oil Pump
Coolant
Circulation

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D2-j-Mp297

Pour les cotes sans tolérance, voir normes internes	Echelle 1:1	Matière Dessiné  Date 22.5.67
Remplace D4-j-Mp87 dès S 22/54		Remplacé par
ESCO S.A. Les Geneveys s. Coffrane		D2-j-Mp 297