



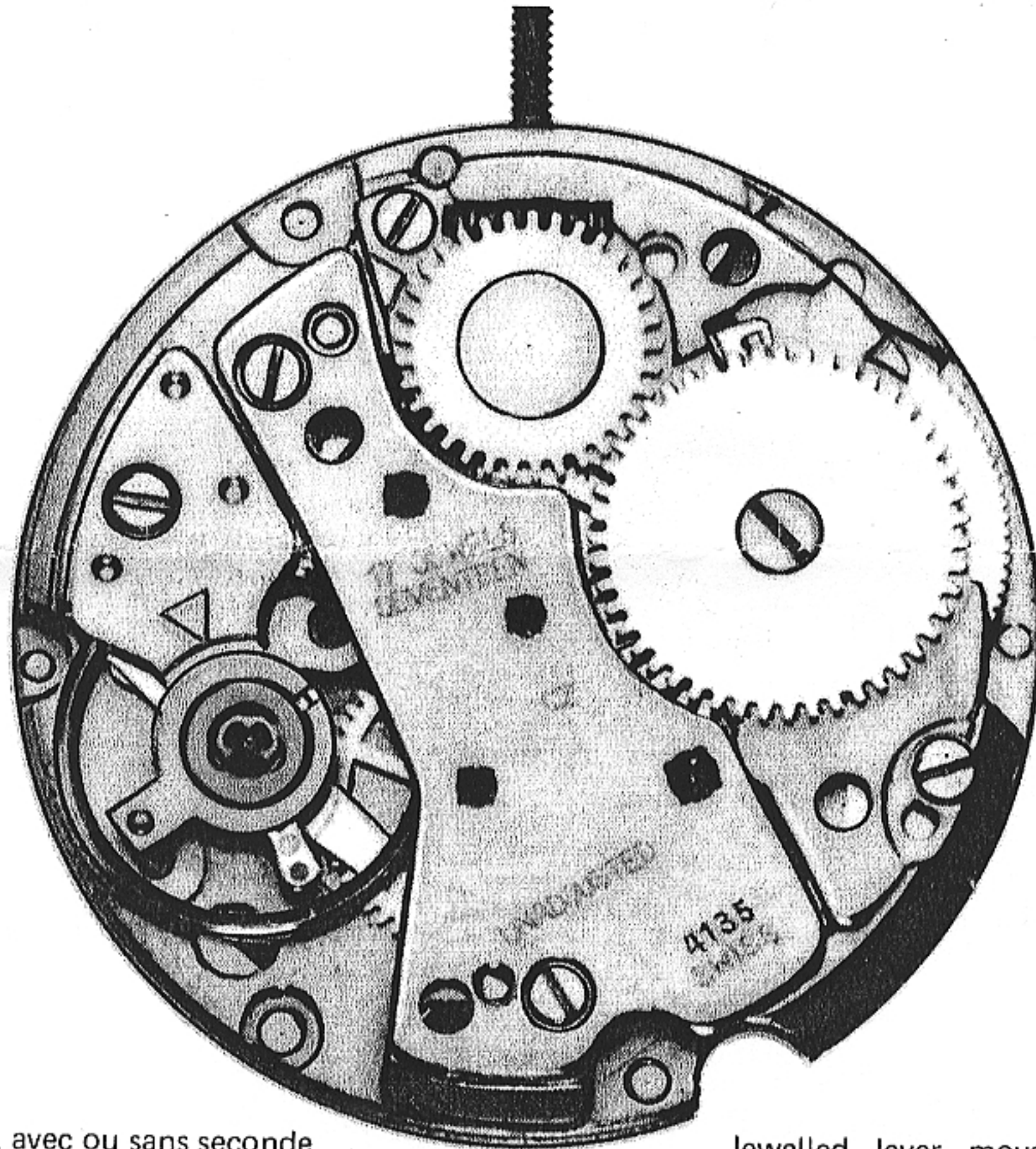
RONDA S. A. LAUSEN

FABRIQUE D'ÉBAUCHES SUISSE

8 3/4''' 4133 - 4139
 10 1/2''' 4233 - 4235
 11 1/2''' 4333 - 4339
 12''' 4433 - 4439
 21 600 oscillations

Ancre empierrée

Jewelled lever


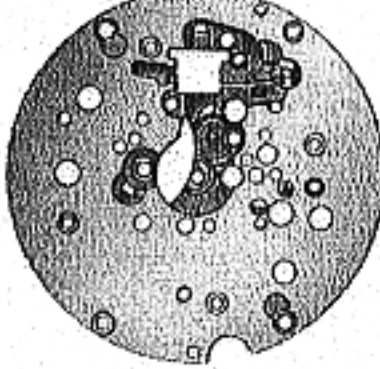
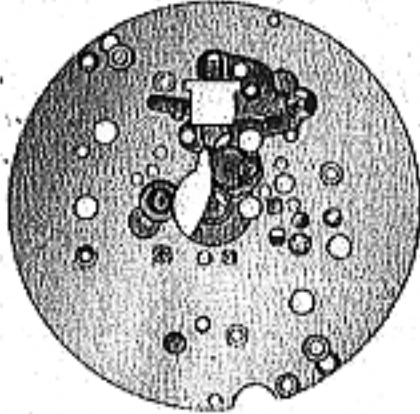
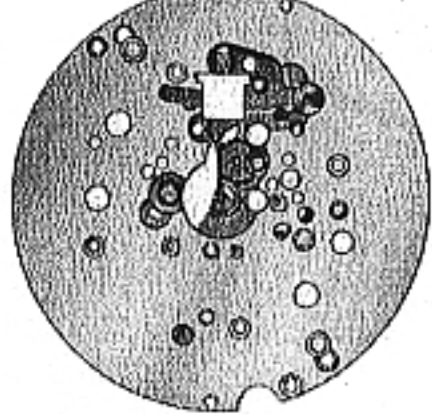





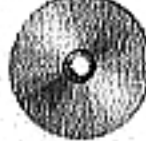




























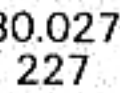










Mouvement ancre empierré, avec ou sans seconde au centre, manuel ou automatique, calendrier 1 - 31 avec correcteur + jour.

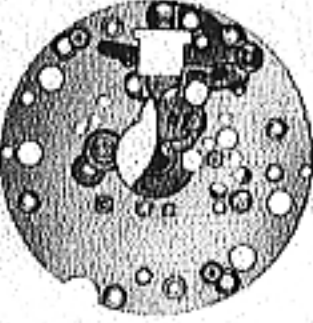
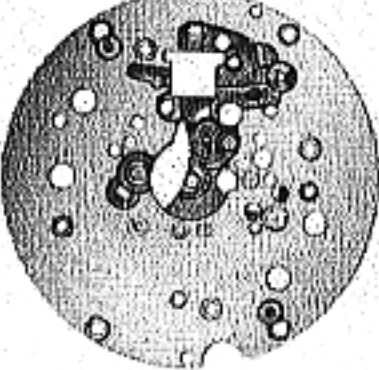
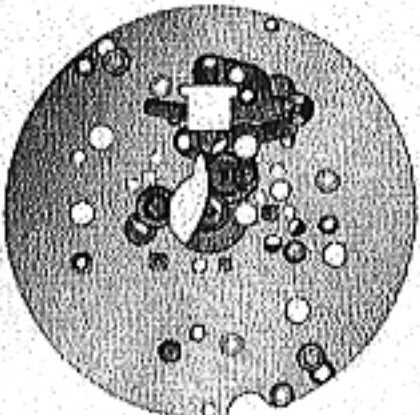
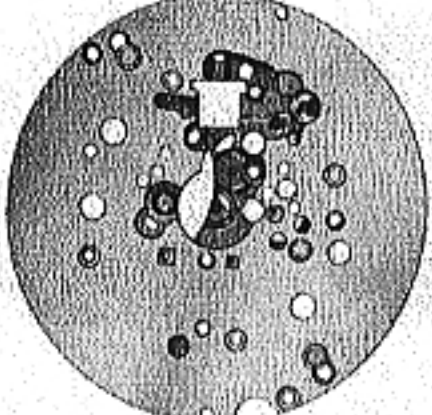











Jewelled lever movement, without second or sweep second, hand wind or self wind (automatic), calendar 1 - 31 with corrector + day.

Mouvement de base	8 3/4''' = Ø 19.75 mm	Basic movement
Platine agrandie	10 1/2''' = Ø 23.70 mm	Enlarged plate
Platine agrandie	11 1/2''' = Ø 26.00 mm	Enlarged plate
Platine agrandie	12''' = Ø 27.00 mm	Enlarged plate

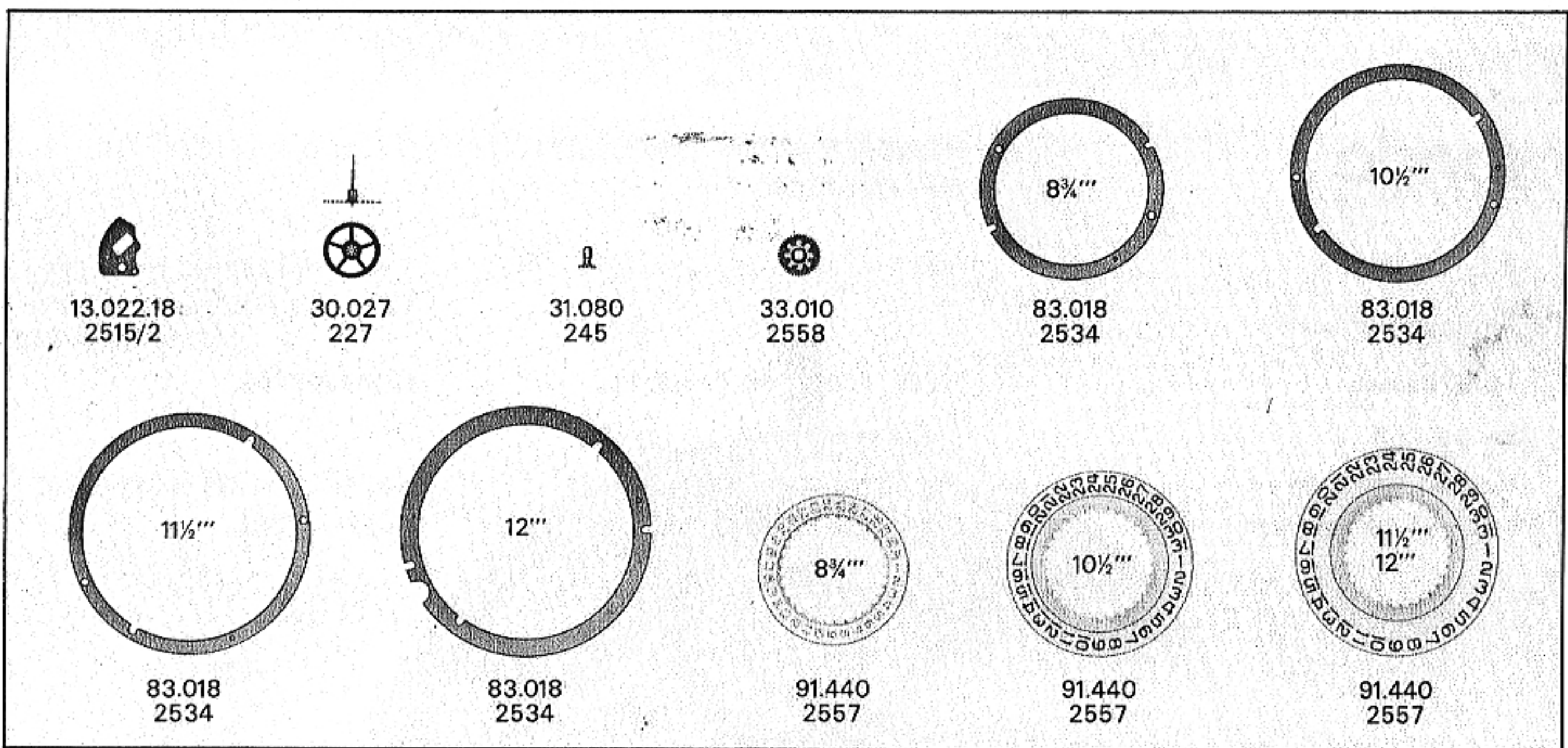
8 3/4'''	8 3/4'''	10 1/2'''	11 1/2'''	11 1/2'''	12'''	12'''
4131	Automat	4231	4331	Automat	4431	Automat
4133	-	4233	4333	-	4433	-
4135	4138	4235	4335	4338	4435	4438
4137	4139		4337	4339	4437	4439
						4439 R

 8 3/4''' 10.020 100	 10 1/2''' 10.020 100	 11 1/2''' 10.020 100	 12''' 10.020 100					
 10.041 105	 10.048 110	 10.057 125	 10.058 121	 10.210 466	 20.040 185	 20.060 195	 20.100 770	
 30.014 201/1	 30.025 210	 30.027 227	 30.040 705	 31.020 415	 31.041 260	 31.046 250	 31.081 243	 31.080 245
 31.100 450	 31.120 410	 31.121 407	 40.010 710	 40.050 721	 40.100 724	 40.120 730	 40.200 364	 40.301 307
 51.010 401	 51.050 435	 51.080 443	 51.120 425	 61.100 440	 70.500 370	 70.501 371	 cal. 4131-4431 sans seconde  30.027 227  31.080 245	
 10.048.01 5105	 10.057.01 5125	 10.210.01 5466	 31.020.01 5415	 1856.188.01 5101	 90.000.01 8 3/4'''	 90.000.02 10 1/2''' - 12'''		

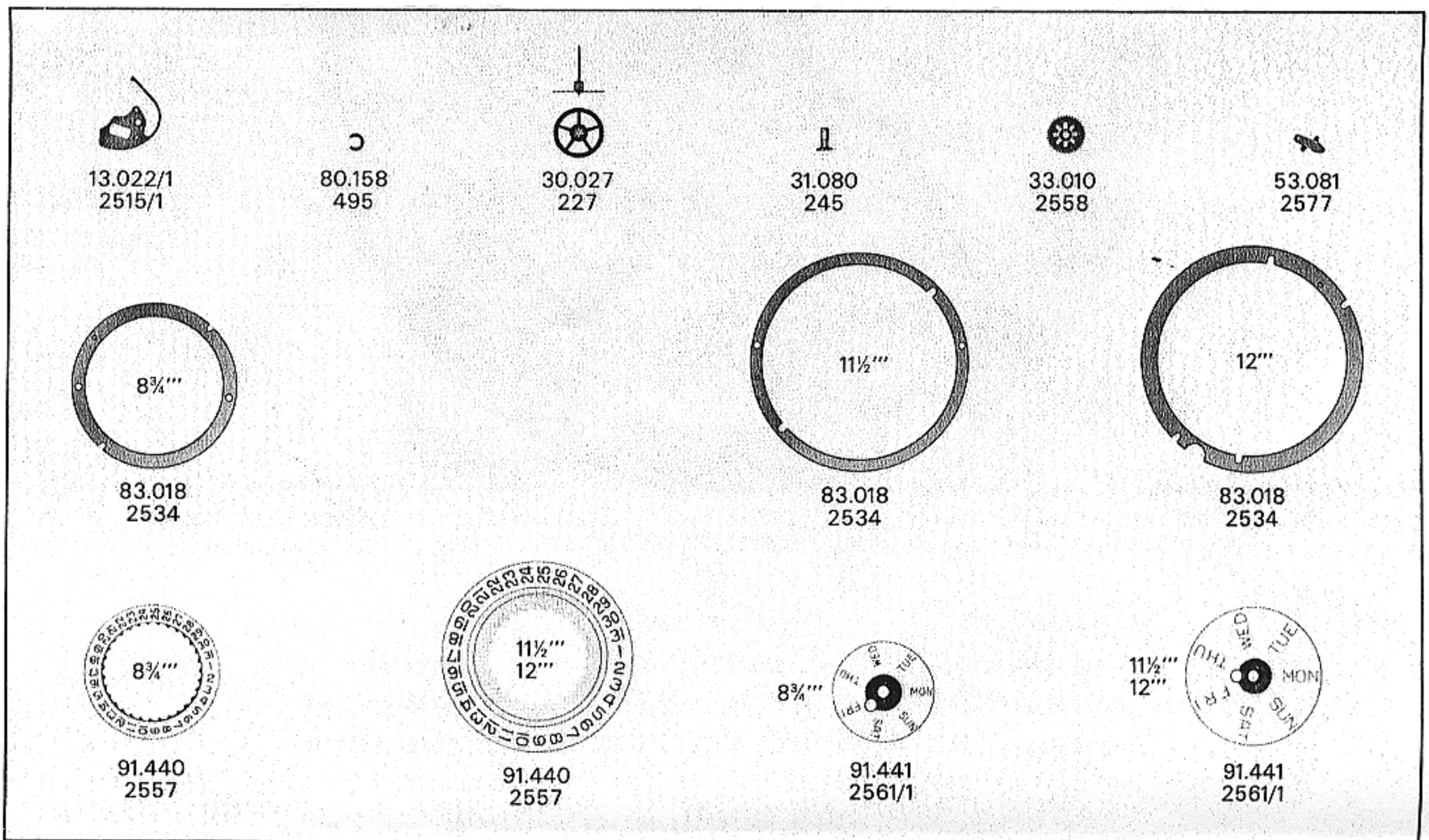
Calibre 4135 - 4435, 4138 - 4438 Calendrier
4137 - 4437, 4139 - 4439 Day / Date

 8 3/4''' 10.020 100	 10 1/2''' 10.020 100	 11 1/2''' 10.020 100	 12''' 10.020 100			
 13.022 2515	 13.105 2535	 33.013 2559	 33.020 2556	 53.080 2576	 53.204 2569	 63.030 2575
 13.022.01 52515	 33.020.01 52556	 90.000.03 8 3/4'''	 90.000.04 10 1/2''' - 12'''			

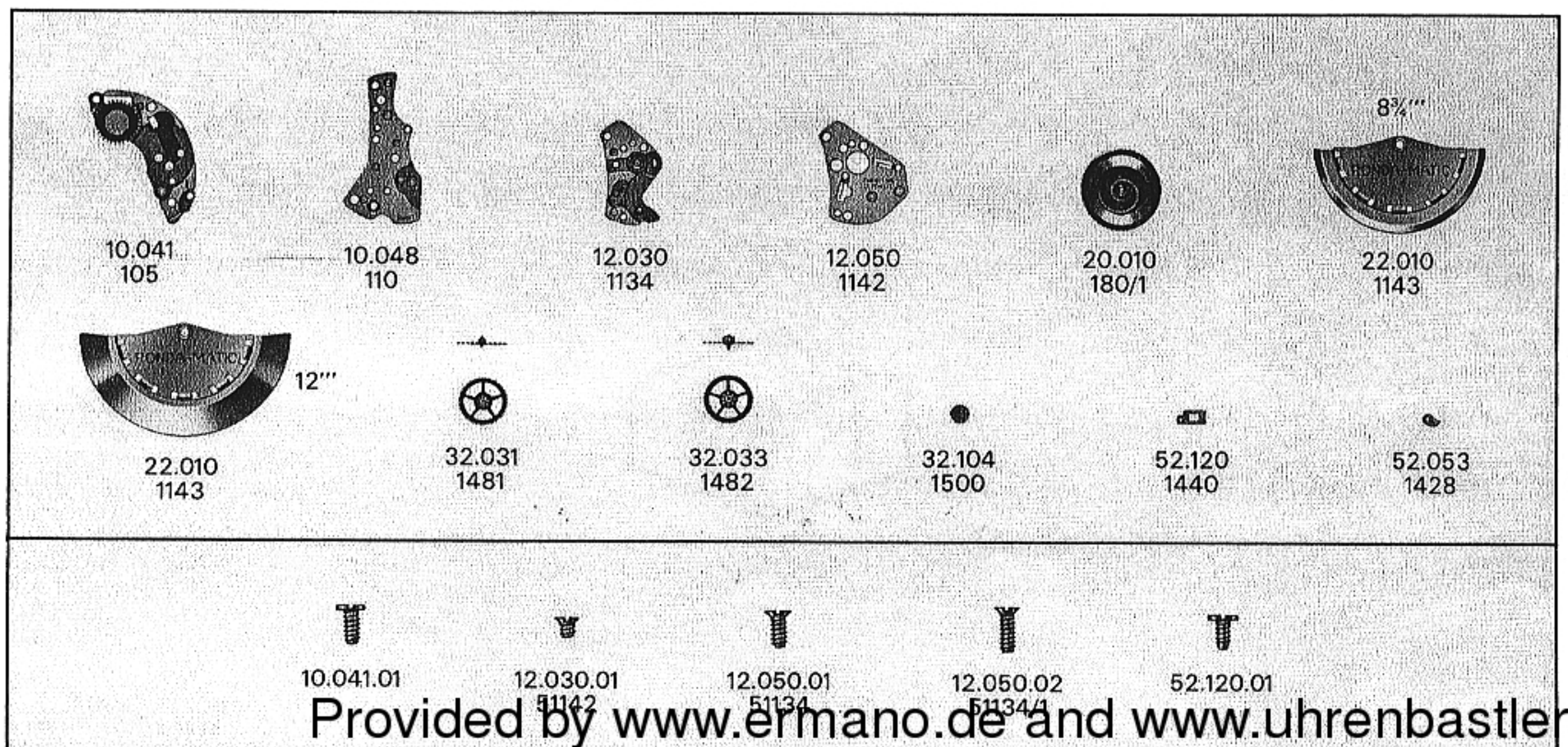
Calibre 4135 – 4435, 4138 – 4438 Calendrier



Calibre 4137 – 4437, 4139 – 4439 Day / Date



Calibre 4138 – 4438, 4139 – 4439 Automatique



No.	Ancien No. Old No.		
10.020	100	Platine	Main plate
10.041	105	Pont de barillet	Barrel bridge
10.048	110	Pont de rouage	Train wheel bridge
10.057	125	Pont d'ancre	Pallet bridge (pallet cock)
10.058	121	Pont de balancier (Coq)	Balance bridge (cock)
10.210	466	Couvre-mécanisme	Winding and setting mechanism cover
20.040	185	Tambour de barillet	Barrel drum
20.060	195	Arbre de barillet	Barrel arbor
20.100	770	Ressort de barillet	Mainspring
30.014	201/1	Grande moyenne	Great wheel
30.025	210	Petite moyenne	Third wheel
30.027	227	Roue de seconde	Second wheel
30.040	705	Roue d'ancre	Escape wheel
31.020	415	Rochet	Ratchet wheel
31.041	260	Roue de minuterie	Minute wheel
31.046	250	Roue des heures (Canon)	Hour wheel
31.081	243	Chaussée No. 1	Cannon pinion No. 1
31.080	245	Chaussée No. 2	Cannon pinion No. 2
31.100	450	Renvoi	Setting wheel
31.120	410	Pignon de remontoir	Winding pinion
31.121	407	Pignon coulant	Clutch wheel
40.010	710	Ancre	Pallet
40.050	721	Balancier réglé	Balance with hairspring
40.100	724	Axe de balancier	Balance staff
40.120	730	Plateau	Roller
40.200	364	Porte-piton	Stud holder
40.301	307	Raquette	Regulator
51.010	401	Tige de remontoir	Winding stem
51.050	435	Bascule	Yoke
51.080	443	Tirette	Setting lever
51.120	425	Cliquet (Masse)	Click
61.100	440	Ressort de bascule	Yoke spring
70.500	370	Kif dessus	Kif top
70.501	371	Kif dessous	Kif bottom
		Vis de	Screw for
10.048.01	5105	- pont	- bridge
10.057.01	5125	- pont d'ancre	- pallet cock
10.210.01	5466	- mécanisme	- mechanism
31.020.01	5415	- rochet	- ratchet wheel
1856.188.01	5101	- d'emboîtement	- case
90.000.01	8 3/4'''	- cadran à vis	- dial
90.000.02	10 1/2''' - 12'''	- cadran à vis	- dial
Cal. 4131 - 4431 sans seconde / without second			
30.027	227	Roue de seconde	Second wheel
31.080	245	Chaussée No. 2	Cannon pinion No. 2
Cal. 4135 - 4435, 4138 - 4438 calendrier / calendar 4137 - 4437, 4139 - 4439 jour/date / day/date			
13.022	2515	Couvercle calendrier No. 1	Calendar plate No. 1
13.105	2535	Plaque calendrier	Date indicator plate
33.013	2559	Renvoi correcteur	Intermediate day wheel
33.020	2556	Renvoi entraîneur	Date indicator driving wheel
53.080	2576	Cliquet calendrier	Date jumper
53.204	2569	Correcteur	Corrector
63030	2575	Ressort calendrier	Date jumper spring
		Vis de	Screw for
13.022.01	52515	- couvercle calendrier	- calendar plate
33.020.01	52556	- renvoi entraîneur	- date indicator driving wheel
90.000.03	8 3/4'''	- cadran à vis	- dial
90.000.04	10 1/2''' - 12'''	- cadran à vis	- dial
Cal. 4135 - 4435, 4138 - 4438 calendrier / calendar			
13.022.18	2515/2	Couvercle calendrier No. 2	Calendar plate No. 2
30.027	227	Roue de seconde	Second wheel
31.080	245	Chaussée No. 2	Cannon pinion No. 2
33.010	2558	Canon calendrier	Double-toothed hour wheel
83.018	2534	Cercle calendrier	Date indicator seat
91.440	2557	Bague calendrier	Date indicator
Cal. 4137 - 4437, 4139 - 4439 day / date			
13.022/1	2515/1	Couvercle à ressort	Calendar plate
80.158	495	Clavette	Gib
30.027	227	Roue de seconde	Second wheel
31.080	245	Chaussée No. 2	Cannon pinion No. 2
33.010	2558	Canon calendrier	Double-toothed hour wheel
53.081	2577	Sautoir des jours	Day jumper
83.018	2534	Cercle calendrier	Date indicator seat
91.440	2557	Bague calendrier	Date indicator
91.441	2561/1	Disque calendrier	Day star with dial disk
Cal. 4138 - 4438, 4139 - 4439 automatique			
10.041	105	Pont de barillet	Barrel bridge
10.048	110	Pont de rouage	Train wheel bridge
12.030	1134	Bâti d'automatique	Framework for automatic device
12.050	1142	Pont d'automatique	Bridge for automatic device
20.010	180/1	Barillet complet	Barrel, complete
22.010	1143	Masse oscillante (Rotor)	Oscillating weight
32.031	1481	Mobile réduction	Reduction wheel
32.033	1482	Mobile entraîneur	Driving gear
32.104	1500	Pignon baladeur	Wig-wag pinion
52.120	1440	Clavette	Gib
52.053	1428	Cliquet d'arrêt	Stop click
		Vis de	Screw for
10.041.01		- pont de barillet	- barrel bridge
12.030.01	51142	- pont supérieur	- bridge for automatic device
12.050.01	51134	- bloc automatique	- framework for automatic device
12.050.02	51134/1	- bloc automatique	- framework for automatic device
52.120.01		- clavette	- gib

Caractéristiques techniques / Technical characteristics

Calibres	∅ encageage	∅ total	Hauteur totale	Hauteur s/filet	Hauteur tige-filet	Hauteur tige
8 3/4''' 4131, 4133	19.40	19.75	3.70	0.90	1.05	1.95
4135	19.40	19.75	4.25	1.45	1.05	2.50
4137	19.40	19.75	4.60	1.80	1.05	2.85
4138 Auto	19.40	19.75	5.60	1.45	1.05	2.50
4139 Auto	19.40	19.75	5.95	1.80	1.05	2.85
10 1/2''' 4231, 4233	23.30	23.70	3.70	0.90	1.05	1.95
4235	23.30	23.70	4.25	1.45	1.05	2.50
11 1/2''' 4331, 4333	25.60	26.00	3.70	0.90	1.05	1.95
4335	25.60	26.00	4.25	1.45	1.05	2.50
4337	25.60	26.00	4.60	1.80	1.05	2.85
4338 Auto	25.60	26.00	5.60	1.45	1.05	2.50
4339 Auto	25.60	26.00	5.95	1.80	1.05	2.85
12''' 4431, 4433	26.60	27.00	3.70	0.90	1.05	1.95
4435	26.60	27.00	4.25	1.45	1.05	2.50
4437	26.60	27.00	4.60	1.80	1.05	2.85
4438 Auto	26.60	27.00	5.60	1.45	1.05	2.50
4439 Auto	26.60	27.00	5.95	1.80	1.05	2.85

Ressort de barillet / Mainspring

	Manuel	Automatique
Hauteur / Height	1.50	1.35
Epaisseur / Thickness	0.0925	0.0925
Longueur / Length	280 mm	285 mm
Moment de force MO	650 gmm	600 gmm
Moment de force M24	480 gmm	450 gmm
Nombre de tours / Number of turns	7.25	7

Aiguillage / Hands

Calibres	∅ heure hour	∅ minute	∅ seconde	Dép. platine over plate
4133/4233/4333/4433 4135/4138/4235/4335/4338/4435/4438 4137/4139/4337/4339/4437/4439	1.30	0.90	0.20	1.60

Les indications suivantes sont identiques pour tout le groupe 4133 – 4439:
The following indications are identical for the whole group 4133 – 4439:

Balancier / Balance wheel

∅ total 7.30
Hauteur serge / Height of arm 0.60

Spiral / Hairspring 0.236 CGS

Tige de remontoir / Winding stem S 0.90 ou/or 1.20

Cadran / Dial

∅ trou / Hole 1.90
∅ pieds / Feet 0.80

Système sans clef de cadran, mais avec rondelle de fixation en plastique.
System without dial key; but with plastic feet-holder.