



FABRIQUE D'EBAUCHES ETA S.A.

CH — 2540 GRENCHEN

SUISSE

Ø 17,20

m m

Mouvement ancre, seconde au centre directe, avec et sans remontoir automatique, avec et sans quantième instantané, noyé dans la platine, ou quantième et jour instantanés, correcteur de quantième et de jour, fréquence 3 Hz ou 4 Hz. (21'600 ou 28'800 alternances par heure).

Variantes : remontoir automatique avec roulement à billes, facultatif
dispositifs stop seconde et de réglage fin, facultatifs.

Lever movement, direct sweep second, with or without self-winding mechanism, with or without instantaneous date, countersunk in the plate, or instantaneous date and name of day, date and day corrector, frequency 3 Hz or 4 Hz. (21'000 or 28'800 vibrations per hour).

Variants : self-winding mechanism with ball bearing, optional
stop-second and fine timing devices, optional.

Ankerwerk Zentralsekunde direkte Übertragung, mit oder ohne automatischem Aufzug, mit oder ohne Datum schnellschaltend, im Werkboden versenkt, oder Datum und Wochentag schnellschaltend, Datum- und Tageskorrektor, Frequenz 3 Hz oder 4 Hz. (21'600 oder 28'800 Halbschwingungen in der Stunde).

Varianten : automatischer Aufzug mit Kugellager, fakultativ
Stopp-Sekunde- und Feinregulievorrichtungen, fakultativ.

ENICA R 777

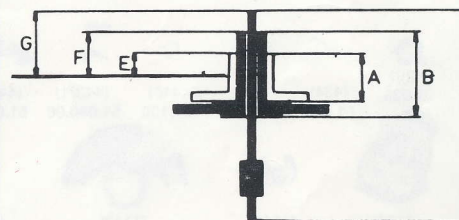
	3,50			H mm
	2640	2641		3 Hz
	3,50			H mm
	2660	2661		4 Hz
	4,80		5,35	H mm
	2650	2651	2658	3 Hz
	4,80		5,35	H mm
	2670	2671	2678	4 Hz

Caractéristiques techniques

— Dimensions en mm

Diamètre ajustement d'aiguille de secondes (conique)	0,20 / 0,21
Diamètre ajustement d'aiguille de minutes (cylindrique)	0,70
Diamètre ajustement d'aiguille d'heures (cylindrique)	1,20

Cal. 2640, 2641, 2650, 2651 2660, 2661, 2670, 2671							Cal. 2658, 2678						
Aiguillage N°	Longueurs			Dépassements platine			Aiguillage N°	Longueurs			Dépassements platine		
	A	B	C	E	F	G		A	B	C	E	F	G
1 normal	1,06	1,88	4,77	0,80	1,10	1,45							
2	1,31	2,13	5,02	1,05	1,35	1,70							
3	1,56	2,38	5,27	1,30	1,60	1,95	3 normal	1,56	2,38	5,27	0,75	1,05	1,40
4	1,81	2,63	5,52	1,55	1,85	2,20	4	1,81	2,63	5,52	1,00	1,30	1,65
5	2,06	2,88	5,77	1,80	2,10	2,45	5	2,06	2,88	5,77	1,25	1,55	1,90



Calibres N°	2640, 2641	2650, 2651, 2658	2660, 2661	2670, 2671, 2678
Ressort de barillet : qualité alliage (à titre d'information)				
Hauteur	1,32	1,32	1,32	1,32
Épaisseur	0,07	0,07	0,077	0,077
Longueur	340	300	300	290
Moment de force Mo en p.mm	350	350	450	450
Ressort de freinage ; bride attenante				
Hauteur		1,25		1,25
Épaisseur		0,09		0,095
Longueur		21		21
Echappement : N° 20.2				
Diamètre de la roue (20 dents)			4,65	
Angle de levée du balancier			53°	

Cadran :

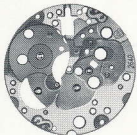
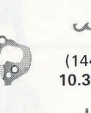
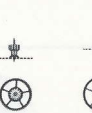
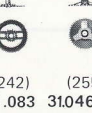
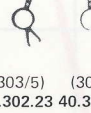
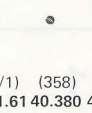
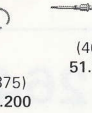
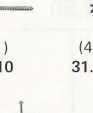
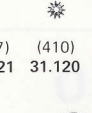
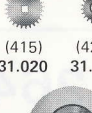
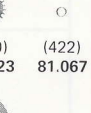
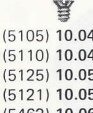
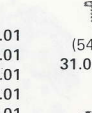
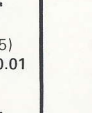
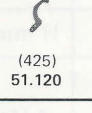
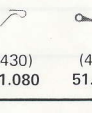
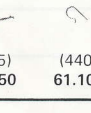
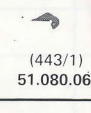
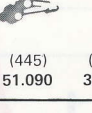
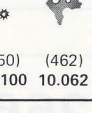
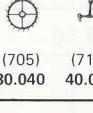
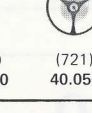
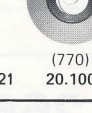
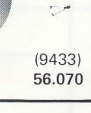
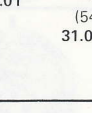
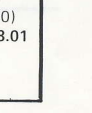
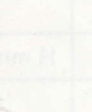
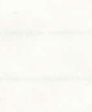
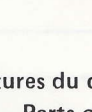
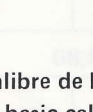
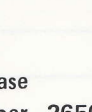
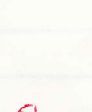
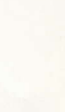
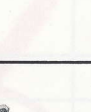
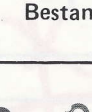
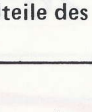
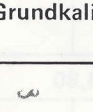
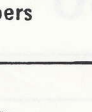
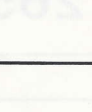
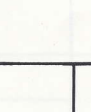
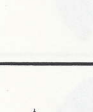
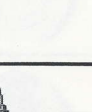
Diamètre des trous de pieds dans la platine 0,70

Tige de remontoir :

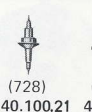
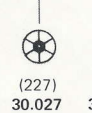
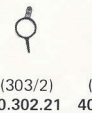
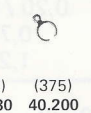
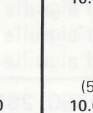
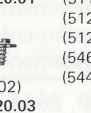
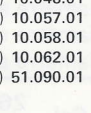
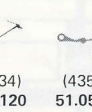
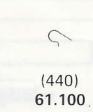
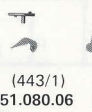
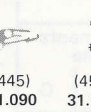
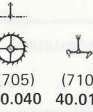
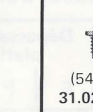
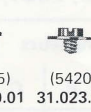
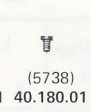
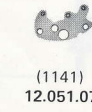
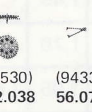
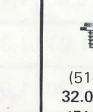
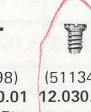
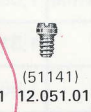
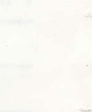
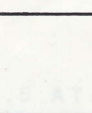
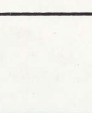
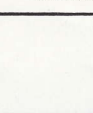
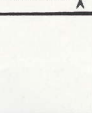
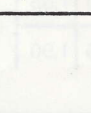
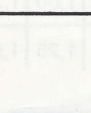
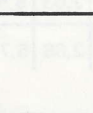
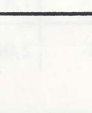
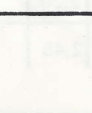
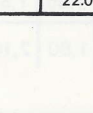
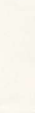
Diamètre du filetage S 0,90

Diamètre du corps 1,10

Fournitures du calibre de base**Parts of basic caliber 2640****Bestandteile des Grundkalibers**

													
(100) 10.020.07	(105) 10.041	(110) 10.048.07	(121/3) 10.058.61	(121/4) 10.058.24	(125) 10.057.07	(163/1) 80.400	(182) 20.030	(195) 20.060	(203) 30.012	(210) 30.025	(714) 40.020	(728) 40.100.21	(730) 40.120
													
(227) 30.027	(242) 31.083	(255/1) 31.046.06	(260) 31.041	(303/5) 40.302.23	(307/1) 40.301.61	(358) 40.380	(375) 40.200	(401) 51.010	(407) 31.121	(410) 31.120	(415) 31.020	(420) 31.023	(422) 81.067
													
(425) 51.120	(430) 61.080	(435) 51.050	(440) 61.100	(443/1) 51.080.06	(445) 51.090	(450) 31.100	(462) 10.062	(705) 30.040	(710) 40.010	(721) 40.050.21	(770) 20.100	(9433) 56.070	(5101) 10.020.01
													
(5101) 10.020.01	(5110) 10.041.01	(5125) 10.057.01	(5121) 10.058.01	(5462) 10.062.01	(5445) 51.090.01	(51041.01) 10.041.01	(51048.01) 10.048.01	(51057.01) 10.057.01	(51058.01) 10.058.01	(51062.01) 10.062.01	(51090.01) 51.090.01	(51023.01) 31.023.01	(5102) 10.020.03
													
(5738) 40.180.01													(5420) 31.023.01

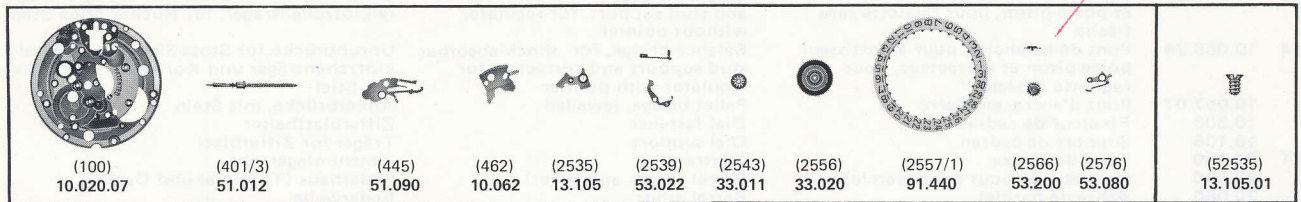
Fournitures du calibre de base**Parts of basic caliber 2650****Bestandteile des Grundkalibers**

													
(100) 10.020.07	(105) 10.041	(110) 10.048.07	(121/3) 10.058.21	(121/4) 10.058.24	(125) 10.057.07	(163/1) 80.400	(182) 20.030	(195) 20.060	(203) 30.012	(210) 30.025	(714) 40.020	(728) 40.100.21	(730) 40.120
													
(227) 30.027	(242) 31.083	(255/1) 31.046.06	(260) 31.041	(303/2) 40.302.21	(303/5) 40.302.23	(358) 40.380	(375) 40.200	(401) 51.010	(407) 31.121	(410) 31.120	(415) 31.020	(5101) 10.020.01	(5105) 10.041.01
													
(420) 31.023	(434) 51.120	(435) 51.050	(440) 61.100	(443/1) 51.080.06	(445) 51.090	(450) 31.100	(462) 10.062	(705) 30.040	(710) 40.010	(721) 40.050.21	(771) 20.102	(5102) 10.020.03	(5105) 10.048.01
													
(1134) 12.030	(1141) 12.051.07	(1143) 22.010	(1481) 32.031	(1482) 32.033	(1488) 32.037	(1497) 22.040	(1498) 32.020	(1530) 32.038	(9433) 56.070			(5102) 10.020.03	(5105) 10.048.01
													
(11498) 32.020.01	(11498) 32.020.01	(11498) 32.020.01	(11498) 32.020.01	(11498) 32.020.01	(11498) 32.020.01	(11498) 32.020.01	(11498) 32.020.01	(11498) 32.020.01	(11498) 32.020.01	(11498) 32.020.01	(11498) 32.020.01	(11498) 32.020.01	(11498) 32.020.01

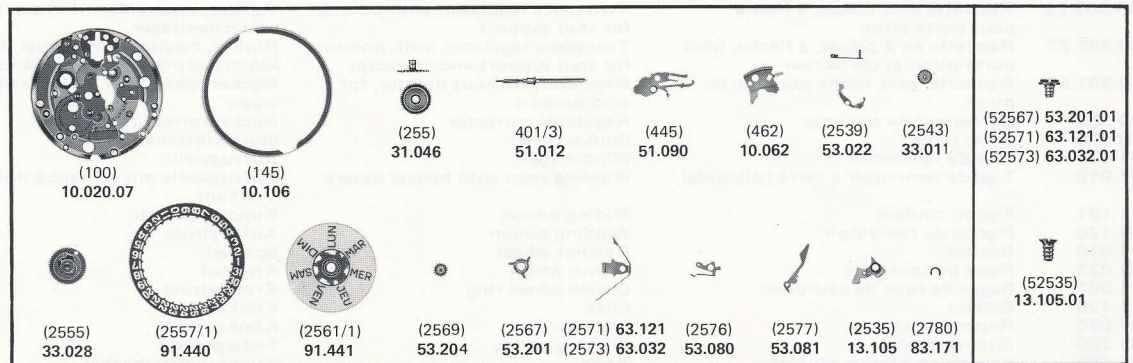
H = 1,85 mm

Butek
in
coul.

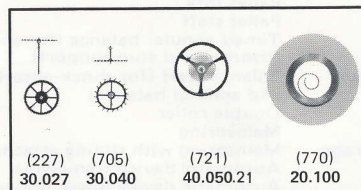
Fournitures particulières au mécanisme quantième cal. 2641, 2651
Particular parts for date mechanism cal. 2661, 2671
Besondere Teile für Datum-Mechanismus Kal. 2661, 2671



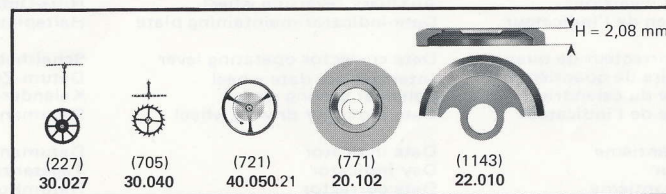
Fournitures particulières au mécanisme quantième et jour cal. 2658
Particular parts for date and day mechanism cal. 2678
Besondere Teile für Datum- und Tagesmechanismus Kal. 2678



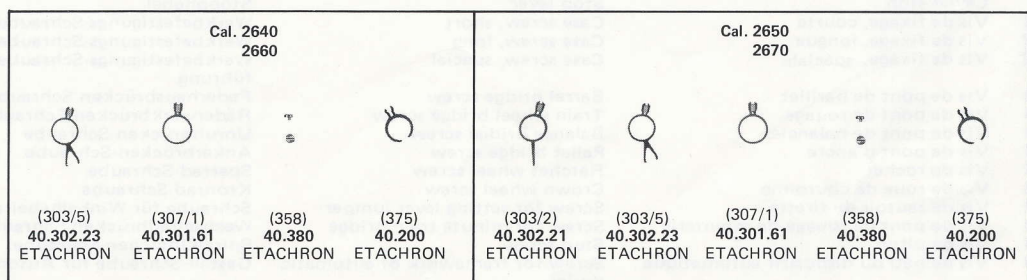
Fournitures particulières aux cal. 4 Hz
Particular parts for cal. 4 Hz 2660, 2661
Besondere Teile für Kal. 4 Hz



Fournitures particulières aux cal. 4 Hz
Particular parts for cal. 4 Hz 2670, 2671, 2678
Besondere Teile für Kal. 4 Hz



Fournitures particulières pour raquetterie
Particular parts for regulator-assembly ETACHRON
Besondere Teile für Rückervorrichtung



ancien N° old N° alte Nr	N° N° Nr
100	10.020.07
105	10.041
110	10.048.07
121/3	10.058.21

LISTE DES FOURNITURES

Platine, empierrée
Pont de barillet
Pont de rouage, empierré
Pont de balancier, pour amortisseur
et porte-piton, pour raquette à flèche

LIST OF MATERIALS

Main plate, jewelled
Barrel bridge
Train wheel bridge, jewelled
Balance bridge, for shock-absorber
and stud support, for regulator with
pointer

BESTANDTEILE

Werkplatte, mit Steinen
Federhausbrücke
Räderwerkbrücke, mit Steinen
Unruhbrücke, für Stoss-Sicherung und
Spiralklötzchenträger, für Rücker mit
Stiel

ancien N° old N° alte Nr	N° No Nr	LISTE DES FOURNITURES	LIST OF MATERIALS	BESTANDTEILE
121/3	10.058.61	Pont de balancier, pour amortisseur et porte-piton, pour raquette sans flèche	Balance bridge, for shock-absorber and stud support, for regulator without pointer	Unruhbrücke für Stoss-Sicherung und Spiralklötzchenträger, für Rücker ohne Stiel
121/4	10.058.24	Pont de balancier, pour amortisseur porte-piton et correcteur, pour raquette à flèche	Balance bridge, for shock-absorber stud support and corrector, for regulator with pointer	Unruhbrücke für Stoss-Sicherung, Spiralklötzchenträger und Korrektor, für Rücker mit Stiel
125	10.057.07	Pont d'ancre, empierré	Pallet bridge, jewelled	Ankerbrücke, mit Stein
144	10.300	Fixateur de cadran	Dial fastener	Zifferblatthalter
145	10.106	Support de cadran	Dial support	Träger für Zifferblatt
163/1	80.400	Tube de centre	Centre tube	Zentrumlagerrohr
182	20.030	Barillet (tambour et couvercle)	Barrel (drum and cover)	Federhaus (Trommel und Deckel)
195	20.060	Arbre de barillet	Barrel arbor	Federwelle
203	30.012	Roue intermédiaire	Intermediate wheel	Zwischenrad
210	30.025	Roue moyenne	Third wheel	Kleinbodenrad
227	30.027	Roue de seconde	Second wheel	Sekundenrad
242	31.083	Chaussée avec roue entraîneuse	Cannon pinion with driving wheel	Minutenrohr mit Mitnehmerrad
255	31.046	Roue des heures	Hour wheel	Stundenrad
255/1	31.046.06	Roue des heures, montée	Hour wheel, assembled	Stundenrad, montiert
260	31.041	Roue de minuterie	Minute wheel	Wechselrad
303/2	40.302.21	Raquette en 2 pièces, à flèche, pour porte-piton	Two-piece regulator, with pointer, for stud support	Rücker, zweiteilig mit Stiel, für Spiralklötzchenträger
303/5	40.302.23	Raquette en 2 pièces, à flèche, pour porte-piton et correcteur	Two-piece regulator, with pointer, for stud support and corrector	Rücker, zweiteilig, mit Stiel, für Spiralklötzchenträger und Korrektor
307/1	40.301.61	Raquette, sans flèche pour porte-piton	Regulator, without pointer, for stud support	Rücker, ohne Stiel, für Spiralklötzchenträger
358	40.380	Correcteur de raquette	Regulator corrector	Rückerkorrektor
375	40.200	Porte piton	Stud support	Spiralklötzchenträger
401	51.010	Tige de remontoir	Winding stem	Aufzugwelle
401/3	51.012	Tige de remontoir à carré hélicoïdal	Winding stem with helical square	Aufzugwelle mit schraubenförmigem Vierkant
407	31.121	Pignon coulant	Sliding pinion	Kupplungstrieb
410	31.120	Pignon de remontoir	Winding pinion	Aufzugtrieb
415	31.020	Rochet	Ratchet wheel	Sperrad
420	31.023	Roue de couronne	Crown wheel	Kronrad
422	81.067	Bague de roue de couronne	Crown wheel ring	Kronradring
425	51.120	Cliquet	Click	Klinke
430	61.080	Ressort de cliquet	Click spring	Klinkenfeder
434	51.120	Cliquet-ressort	Clicking spring	Federgesperr
435	51.050	Bascule de pignon coulant	Yoke	Kupplungsstriebebel
440	61.100	Ressort de bascule	Yoke spring	Kupplungshebelfeder
443/1	51.080.06	Tirette, montée	Setting lever, assembled	Winkelhebel, montiert
445	51.090	Sautoir de tirette	Setting lever jumper	Winkelhebelraste
450	31.100	Renvoi	Setting wheel	Zeigerstellrad
462	10.062	Pont de rouage de minuterie	Minute train bridge	Wechselradbrücke
705	30.040	Roue d'échappement	Escape wheel	Hemmungsrads
710	40.010	Ancre	Pallet fork	Anker
714	40.020	Tige d'ancre	Pallet staff	Ankerwelle
721	40.050.21	Balancier annulaire, réglé (pour amortisseur et porte-piton)	Timed annular balance (for shock-absorber and stud support)	Unruh mit glattem Reif, reguliert (für Stoss-Sicherung und Spiralklötzchenträger)
728	40.100.21	Axe de balancier (pour amortisseur et balancier annulaire)	Balance staff (for shock-absorber and annular balance)	Unruhwelle (für Stoss-Sicherung und Unruh ohne Schrauben)
730	40.120	Plateau double	Double roller	Doppelscheibe
770	20.100	Ressort-moteur	Mainspring	Triebfeder
771	20.102	Ressort-moteur avec ress. de freinage	Mainspring with sliding attachment	Triebfeder mit Schleppfeder
1134	12.030	Bâti du dispositif automatique	Automatic device framework	Gestell für Automatik
1141	12.051.07	Pont inférieur du dispositif automatique, empierré	Automatic device lower bridge, jewelled	Untere Brücke für Automatik, mit Steinen
1143	22.010	Masse oscillante	Oscillating weight	Schwungmasse
1481	32.031	Roue de réduction	Reduction wheel	Reduktionsrad
1482	32.033	Roue entraîneuse de rochet	Ratchet wheel driving wheel	Mitnehmerrad für Sperrad
1488	32.037	Roue d'inversion	Reversing wheel	Umkehrad
1497	22.040	Roulement à billes	Ball bearing	Kugellager
1498	32.020	Roue-palier	Bearing wheel	Lagerad für Schwungmasse
1530	32.038	Roue auxiliaire d'inversion	Auxiliary reversing wheel	Hilfs-Umkehrad
2535	13.105	Plaque de maintien de l'indicateur de quantité	Date indicator maintaining plate	Halteplatte für Datumanzeige
2539	53.022	Commande du correcteur de quant.	Date corrector operating lever	Schalthebel für Datumkorrektor
2543	33.011	Roue intermédiaire de quantité	Intermediate date wheel	Datum-Zwischenrad
2555	33.028	Roue entraîneuse du calendrier	Calendar driving wheel	Kalender-Mitnehmerrad
2556	33.020	Roue entraîneuse de l'indicateur de quantité	Date indicator driving wheel	Datumanzeiger-Mitnehmerrad
2557/1	91.440	Indicateur de quantité	Date indicator	Datumanzeiger
2561/1	91.441	Indicateur du jour	Day indicator	Tagesanzeiger
2566	53.200	Correcteur de quantité	Date corrector	Datumkorrektor
2567	53.201	Correcteur des jours	Day corrector	Tageskorrektor
2569	53.204	Correcteur double	Double corrector	Doppelkorrektor
2571	63.121	Ressort du correcteur des jours	Day corrector spring	Feder für Tageskorrektor
2573	63.032	Ressort du sautoir des jours	Day jumper spring	Feder für Tagesraste
2576	53.080	Sautoir de quantité	Date jumper	Datumraste
2577	53.081	Sautoir des jours	Day jumper	Tagesraste
2780	83.171	Clavette de l'indicateur du jour	Day indicator spring-clip	Klemmscheibe für Tagesanzeiger
9433	56.070	Levier stop	Stop lever	Stoppebel
5101	10.020.01	Vis de fixation, courte	Case screw, short	Werkbefestigungs-Schraube, kurz
5101 ¹	10.020.02	Vis de fixation, longue	Case screw, long	Werkbefestigungs-Schraube, lang
5102	10.020.03	Vis de fixation, spéciale	Case screw, special	Werkbefestigungs-Schraube, Spezialausführung
5105	10.041.01	Vis de pont de barillet	Barrel bridge screw	Federhausbrücken-Schraube
5110	10.048.01	Vis de pont de rouage	Train wheel bridge screw	Räderwerkbrücken-Schraube
5121	10.058.01	Vis de pont de balancier	Balance bridge screw	Unruhbrücken-Schraube
5125	10.057.01	Vis de pont d'ancre	Pallet bridge screw	Ankerbrücken-Schraube
5415	31.020.01	Vis de rochet	Ratchet wheel screw	Sperrad-Schraube
5420	31.023.01	Vis de roue de couronne	Crown wheel screw	Kronrad-Schraube
5445	51.090.01	Vis de sautoir de tirette	Screw for setting lever jumper	Schraube für Winkelhebelraste
5462	10.062.01	Vis de pont de rouage de minuterie	Screw for minute train bridge	Wechselradbrücken-Schraube
5738	40.180.01	Vis de piton	Stud screw	Spiralklötzchen-Schraube
51134	12.030.01	Vis de bâti du dispositif automatique	Screw for framework of automatic device	Gestell-Schraube für Automatik
51141	12.051.01	Vis de pont inférieur du dispositif automatique	Lower bridge screw for automatic device	Schraube für untere Brücke für Automatik
51497	22.040.01	Vis de roulement à billes	Ball bearing screw	Kugellager-Schraube
51498	32.020.01	Vis de roue-palier	Screw for bearing wheel	Schraube für Schwungmassen-Lagerad
52535	13.105.01	Vis de plaque de maintien de l'indicateur de quantité	Screw for date indicator maintaining plate	Schraube für Halteplatte für Datumanzeige
52567	53.201.01	Vis du ressort du correcteur des jours	Screw for day corrector	Schraube für Tageskorrektor
52571	63.121.01	Vis du ressort du correcteur des jours	Screw for day corrector spring	Schraube der Feder für Tageskorrektor
52573	63.032.01	Vis du ressort du sautoir des jours	Screw for day jumper spring	Schraube der Feder für Tagesraste