Catalogue No. **16**

English Edition



S.p.A. BREVETTI INTERNAZIONALI **CAMPAGNOLO**

36100 VICENZA - ITALY
CORSO PADOVA, 168

TELEFONI: 28985 (4 linee con ricerca automatica)
TELEGRAMMI: CAMPAGNOLO - VICENZA
TELEX : 48074 CAMPA

All **CAMPAGNOLO** products
are distinguished by trade marks











PERFECT EFFICIENCY - LONG LIFE - ABSOLUTE GUARANTEE

IMPORTANT !

Orders will not be accepted if the requested articles are not supplied complete with their pertaining CATALOGUE NUMBERS

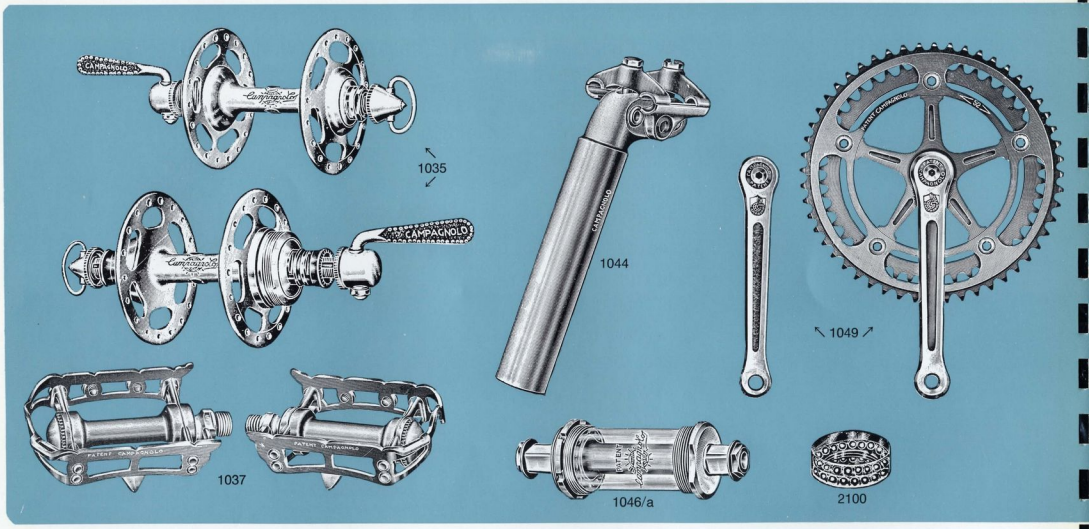
The present catalogue cancels all previous ones.

Messrs. Brevetti Internazionali Campagnolo S.p.A. reserve the right to alter or improve specifications without prior notice.

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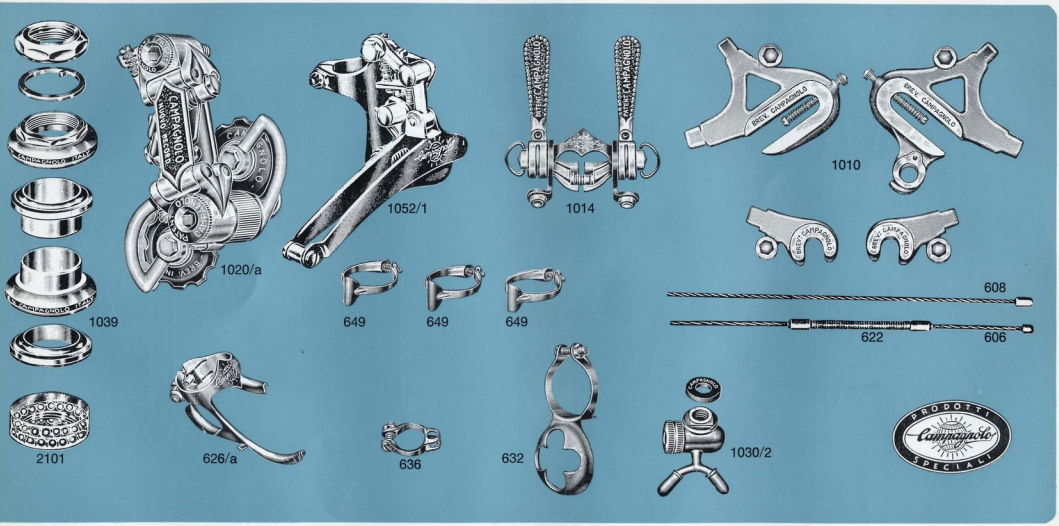
1032 - **CAMPAGNOLO** RECORD



606 **Down** tube gear cable (118 cm)
608 **Down** tube front changer cable (70 cm)
622 **Rear** stainless steel outer cable (21 cm)
626/a **Twin** gear cables clip
632 **Seat** tube pump clip
636 **Top** tube pump clip

649 **Brake** cable clips
1010 **Record** fork ends set
1014 **Twin** down tube control levers
1020/a **Nuovo Record** gear (without hanger)
1030/2 **Special** pump adaptor (thread Ø 9 × 1,25 - Any of the pump adaptors shown on page 34 can be supplied instead)

ROAD ENSEMBLE



1035 **Pair** of Record large flange quick release hubs (front width 100 mm. - rear width 120 mm.)

1037 **Pair** of Record road pedals (spindle thread Ø 9/16'' × 20F.)

1039 **Record** road head set (thread 25,4 × 24F.)

1044 **Seat** pin for saddles with normal springs (please specify diameter and length as shown on page 30. If requested seat pin 1045 for wide sping saddles can be supplied

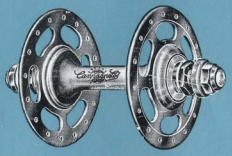
1046/a **Nuovo Record** bottom bracket set (for 70 mm. bottom bracket and with 118 mm. spindle - see page 25)

1049 **Road** chainwheel set (please specify number of chainring teeth and cranks length - see page 20)

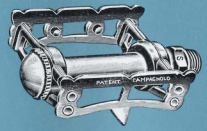
1052/1 **Record** front changer

2100 **Special** ballraces for bottom bracket set

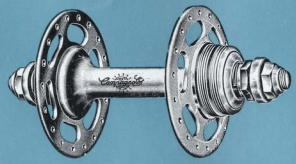
2101 **Special** ballraces for head set

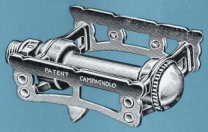


1036



1038









↖ 1051 ↗

1036 **Pair** of Record track hubs (front width 100 mm. - Rear width 110 mm.)

1038 **Pair** of Record track pedals (spindle thread ∅ 9/16'' × 20 F.)

1040 **Record** track head set (thread ∅ 25,4 × 24 F.)

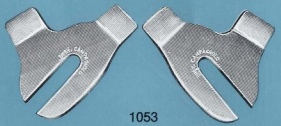
TRACK ENSEMBLE



1046



2100



1053





1040

2102



1044

1044 **Seat** pin for saddles with normal springs (please specify diameter and length as shown on page 30 - If requested seat pin 1045 for wide spring saddles can be supplied)

1046 **Record** bottom bracket set (for 65 mm. bracket and with 104 mm. spindle - see page 24)

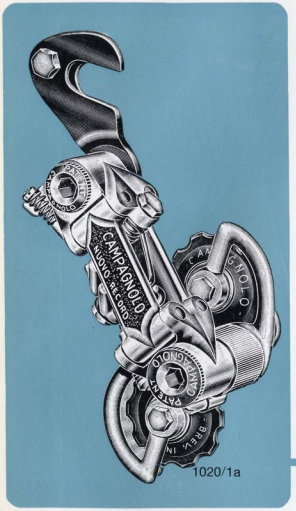
1053 **Track** fork ends set

1051 **Track** chainwheel set (chainring for chain 1" × 3/16" - Available also for chains 1" × 1/8" or 1/2" × 1/8"). - Please specify number of chainring teeth and cranks length - see page 21)

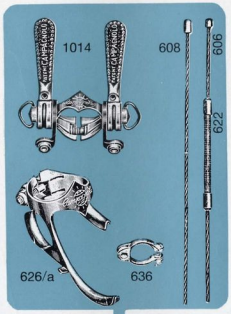
2100 **Special** ballraces for bottom bracket set

2102 **Special** ballraces for head set

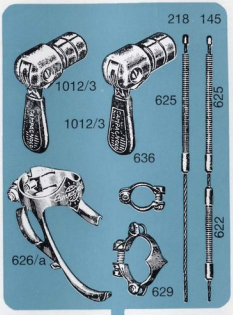
CAMPAGNOLO NUOVO RECORD GEAR
RECORD FRONT CHANGER

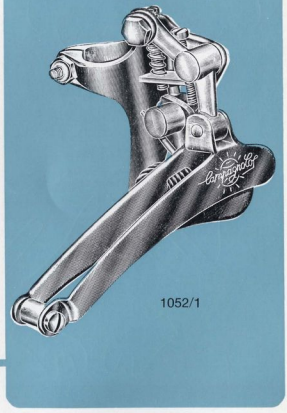


TWIN DOWN TUBE CONTROL LEVERS WITH BARE CABLES



TWIN HANDLEBAR CONTROL LEVERS WITH BARE CABLES





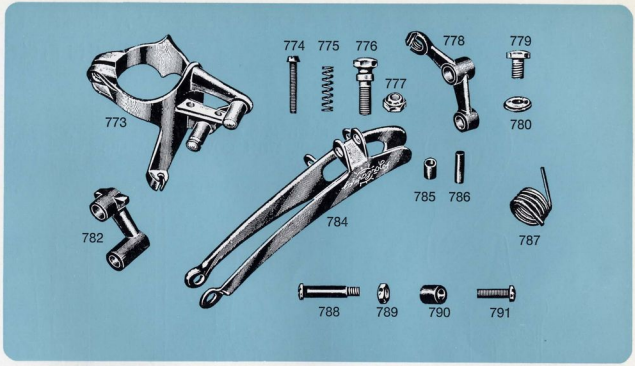
145 **Handlebar** control gear cable
218 **Handlebar** control front changer cable
606 **Down** tube control gear cable (118 cm.)
608 **Down** tube control front changer cable (70 cm.)

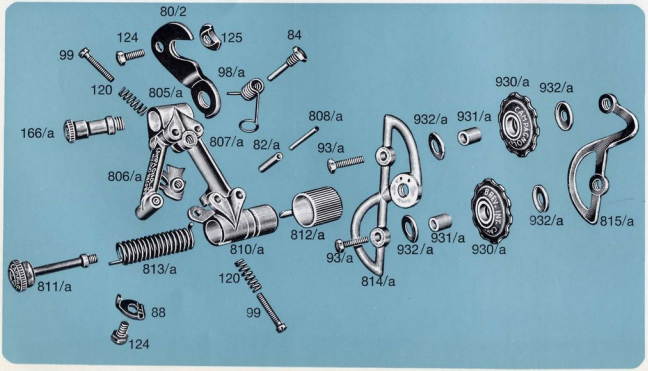
622 **Rear** handlebar control outer cable (21 cm.)
625 **Front** handlebar control outer cable (75 cm.)
626/a **Twin** control cable guide
629 **Twin** handlebar control clip
636 **Chainstay** clip

1012/3 **Handlebar** control
1014 **Twin** control lever
1020/1a **Nuovo Record** gear with hanger
1052/1 **Record** front changer

RECORD FRONT CHANGER SPARE PARTS

773 **Record** front changer body
774 **Adjusting** bolt
775 **Adjusting** bolt spring
776 **Clip** fixing screw
777 **Clip** nut
778 **Upper** arm
779 **Cable** clamp bolt
780 **Washer** for bolt 779
782 **Lower** arm
784 **Front** changer cage
785 **Ferrule** for front changer cage
786 **Spindle** for front changer cage
787 **Front** changer return spring
788 **Cage** shank bolt
789 **Cage** nut
790 **Roller**
791 **Cable** bolt

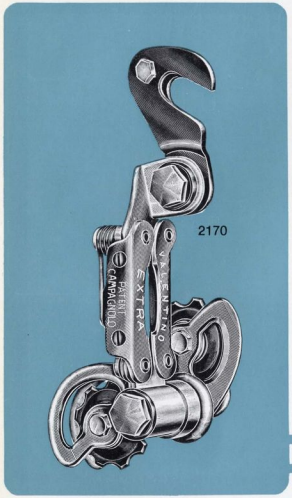




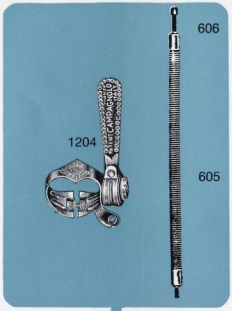
NUOVO RECORD GEAR SPARE PARTS

80/2 **Gear** fixing plate
82/a **Body** ferrule
84 **Spring** screw
88 **Clamp** wascher
93 **Sprocket** bolt
98/a **Gear** return spring
99 **Gear** adjusting screw
120 **Safety** spring
124 **Fixing** screw
125 **Clamp** nut
166/a **Uppur** pivot bolt
805/a **Rear** body
806/a **Front** arm
807/a **Inner** arm
808/a **Spindle**
810/a **Spring** cage
811/a **Gear** spring bolt
812/a **Spring** cage cover
813/a **Tension** spring
814/a **Outer** cage plate
815/a **Inner** cage plate
930/a **Roller**
931/a **Roller** bush
932/a **Roller** dust cover

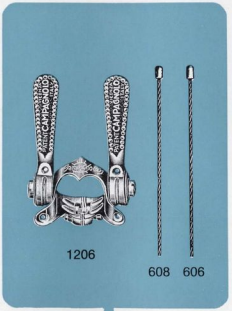
CAMPAGNOLO VALENTINO EXTRA GEAR
VALENTINO FRONT CHANGER

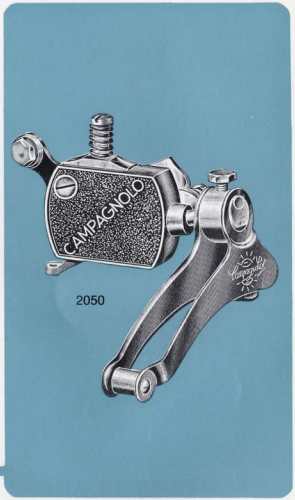


RIGHT HAND DOWN TUBE CONTROL WITH COVERED CABLES



TWIN CONTROL LEVER ONLY WITH CABLES





605 **Gear** outer casing (105 cm.)

606 **Gear** cable to frame control (118 cm.)

608 **Front** changer cable to frame control (70 cm.)

1204 **Valentino** right hand down tube control lever

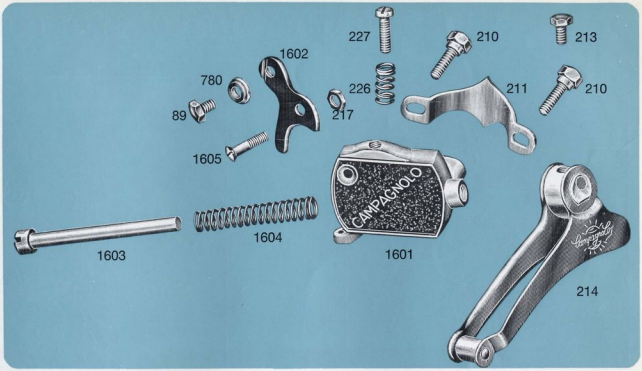
1206 **Valentino** twin control lever

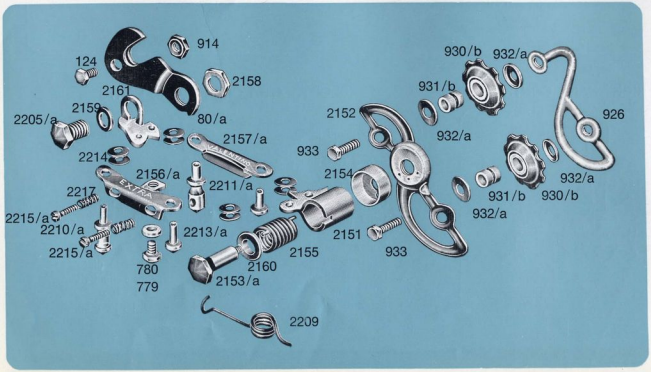
2050 **Valentino** front changer

2170 **Valentino Extra** gear complete with hanger

VALENTINO FRONT CHANGER SPARE PARTS

89	**Bolt** for lip plate
210	**Body** clip bolt
211	**Body** fixing clip
213	**Fork** fixing bolt
214	**Fork-cage**
217	**Nut** for spacing screw bolt
226	**Adjusting** bolt spring
227	**Adjusting** lever screw
780	**Cable** clamp screw washer
1601	**Front** changer body
1602	**Control** fork
1603	**Spindle**
1604	**Return** spring
1605	**Bolt**

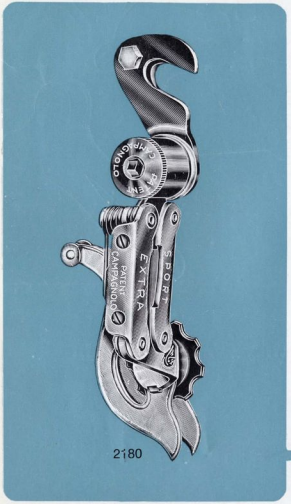


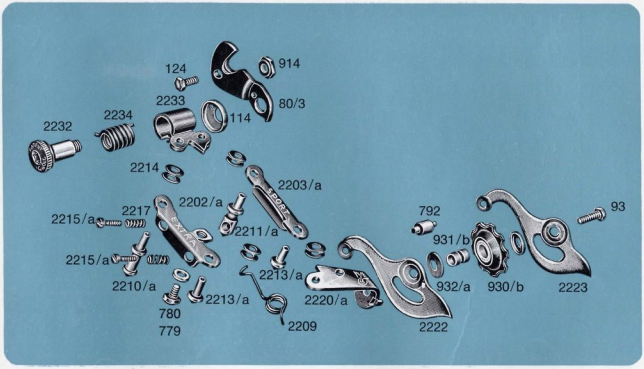


VALENTINO EXTRA GEAR SPARE PARTS

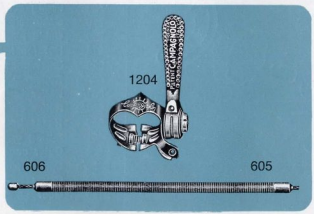
80/a	**Gear** fixing plate
124	**Fixing** screw
779	**Cable** clamp screw
780	**Cable** clamp screw washer
914	**Nut** for fixing plate bolt
926	**Inner** cage plate
930/b	**Rollers**
931/b	**Roller** bushes
932/a	**Roller** dust cover
933	**Roller** bolt
2151	**Spring** cage
2152	**Outer** cage plate
2153/a	**Spring** cage bolt
2154	**Cover**
2155	**Gear** tension spring
2156/a	**Outer** arm
2157/a	**Inner** arm
2158	**Gear** counter fixing nut
2159	**Gear** hanger bolt
2160	**Spring** cage cover
2161	**Rear** body
2205/a	**Fixing** pivot bolt
2209	**Gear** return spring
2210/a	**Return** spring spindle
2211/a	**Spindle**
2213/a	**Arm** rivets
2214	**Spring** washer
2215/a	**Adjusting** bolt
2217	**Adjusting** screw spring

CAMPAGNOLO SPORT EXTRA GEAR





VALENTINO RIGHT HAND CONTROL



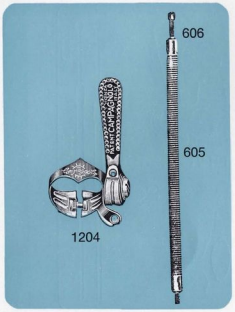
605 **Gear** outer casing (105 cm.)
606 **Gear** cable to frame control (118 cm.)
1204 **Valentino** right hand down tube control lever
2180 **Sport Extra** gear complete with hanger

SPORT EXTRA GEAR SPARE PARTS

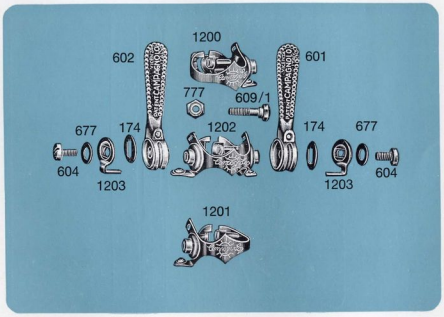
80/3 **Gear** fixing plate
93 **Roller** axle bolt
114 **Spring** retaining cap
124 **Fixing** screw
779 **Cable** clamp screw
780 **Cable** clamp screw washer
792 **Cage** plates connector
914 **Fixing** plate nut
930/b **Roller**
931/b **Roller** bush
932/a **Roller** dust cap
2202/a **Outer** arm
2203/a **Inner** arm
2209 **Gear** return spring
2210/a **Return** spring spindle
2211/a **Spindle**
2213/a **Arm** rivets
2214 **Spring** washer
2215/a **Adjusting** bolt
2217 **Adjusting** screw spring
2220/a **Roller** cage
2222 **Outer** cage plate
2223 **Inner** cage plate
2232 **Spring** cage bolt
2233 **Spring** cage
2234 **Gear** tension spring

CAMPAGNOLO VALENTINO CONTROLS

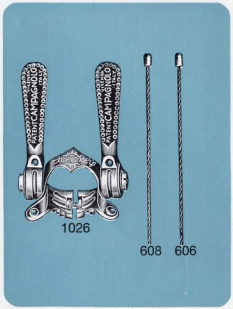
RIGHT HAND DOWN TUBE CONTROL WITH COVERED CABLES



VALENTINO CONTROL SPARE PARTS



TWIN CONTROL LEVER ONLY WITH CABLES



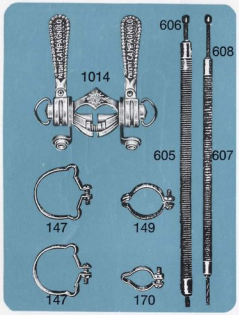
174 **Friction** plate
601 **Right** hand control lever only
602 **Left** hand control lever only
604 **Friction** adjusting screw
605 **Gear** outer casing (105 cm.)

606 **Gear** cable to frame control (118 cm.)
608 **Front** changer cable to frame control (70 cm.)
609 **Clip** bolt and nut
677 **Washer**
777 **Clip** fixing bolt nut
1200 **Right** hand pressed collar

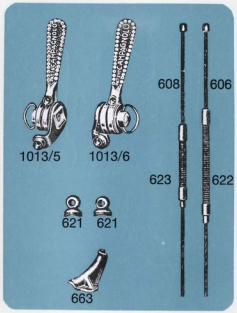
1201 **Down** tube front changer control clip
1202 **Down** tube twin control clip
1203 **Cover**
1204 **Valentino** right hand down tube control lever
1206 **Valentino** twin control lever

CAMPAGNOLO RECORD CONTROL SYSTEMS

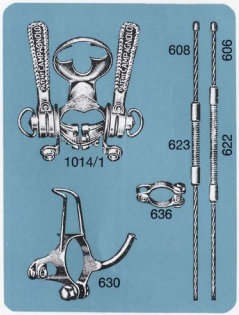
TWIN CONTROL LEVER WITH COVERED CABLES

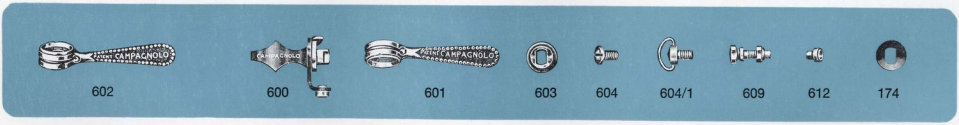


BRAZE-ON CONTROL SYSTEMS AND BARE CABLES



TWIN CONTROL SYSTEM WITH PUMP HOLDER AND BARE CABLES

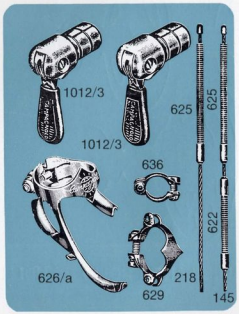




137 **Segment** expanding screw
138 **Segment**
139/1 **Counter-nut**
139/2 **Hexagonal** screw
140/1 **Tension** adjusting screw
142 **Spring** segment holder
145 **Rear** derailleur cable to handlebar control (197 cm.)
147 **Outer** casing clip
149 **Outer** cable clip
170 **Outer** cable clip
173 **Rubber** covers for shifters
174 **Friction** plate
174/1 **Friction** plate
200/2 **Handlebar** control body
201 **Handlebar** lever
218 **Handlebar** control front changer cable (150 cm.)
600 **Right** hand lever collar
600/2 **Control** lever plate
601 **Right** hand control lever only
602 **Left** hand control lever only
603 **Cover** plate
604 **Friction** adjusting screw
604/1 **Friction** adjusting wing nut (as alternative to 604)
605 **Gear** outer casing (105 cm.)

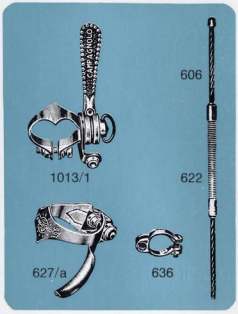
CAMPAGNOLO RECORD CONTROL SYSTEMS

HANDLEBAR CONTROL
WITH BARE CABLES

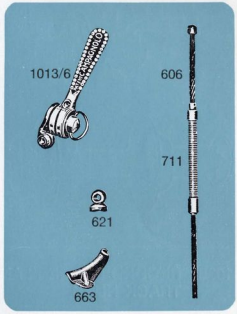




DOWN TUBE CONTROL
WITH BARE CABLE



BRAZE-ON CONTROL
WITH BARE CABLE



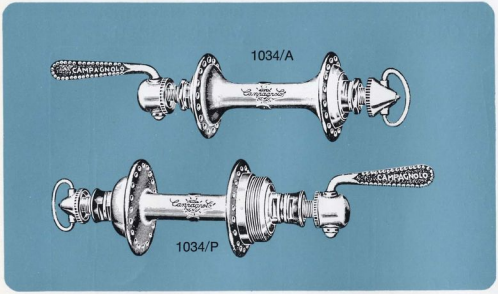


606 **Gear** cable to frame control (118 cm.)
607 **Down** tube front outer casing (59 cm.)
608 **Front** changer cable to frame control (70 cm.)
609 **Clip** bolt and nut
612 **Cable** stop
621 **Braze-on** cable stop
622 **Rear** derailleur steel outer casing
623 **Front** changer steel outer casing

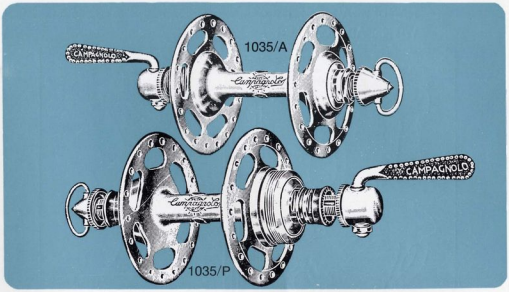
625 **Steel** outer casing to down tube handlebar control (75 cm.)
626/a **Double** stop clips for down tube controls
626/b **Braze-on** cable ferrule
627/a **Down** tube tunnel R/H for gear
629 **Double** stop cable clip for handlebar control
630 **Pump** holder, No. 630
636 **Stop** clip on chainstay for rear derailleur
660 **Braze-on** boss

661 **Brazed** boss collar
663 **Braze-on** cable ferrule
711 **Gear** vipla cable (23 cm.)
1012/3 **Handlebar** controls
1013/1 **Right** hand down tube control
1013/6 **Gear** braze-on control
1014 **Twin** down tube control lever
1014/1 **Twin** down tube control lever with pump clip

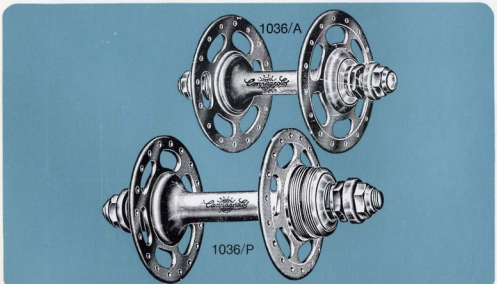
1034 **RECORD** SMALL FLANGE **CAMPAGNOLO** QUICK RELEASE ROAD HUBS



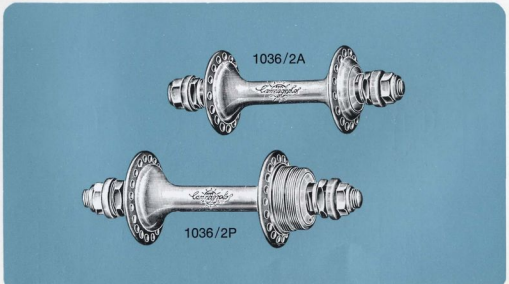
1035 **RECORD** LARGE FLANGE **CAMPAGNOLO** QUICK RELEASE ROAD HUBS



1036 **RECORD** LARGE FLANGE SOLID SPINDLE TRACK HUBS



1036/2 **RECORD** SMALL FLANGE SOLID SPINDLE TRACK HUBS

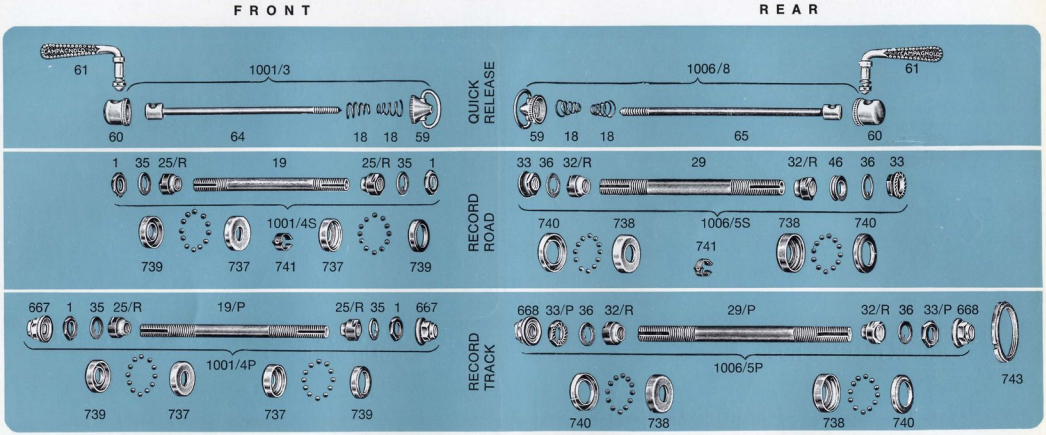


WHEN ORDERING PLEASE SPECIFY: { **THEREAD (∅ 35 × 24 F. OR ∅ 34,7 × 1 OR ∅ 1.370 × 24 F.)** / **NUMBER OF HOLES (24 - 28 - 32 - 36 - 40)** }

HUBS ORDERED WITHOUT SPECIFICATION WILL BE SUPPLIED WITH ∅ 35 × 24 F. AND WITH 36 HOLES

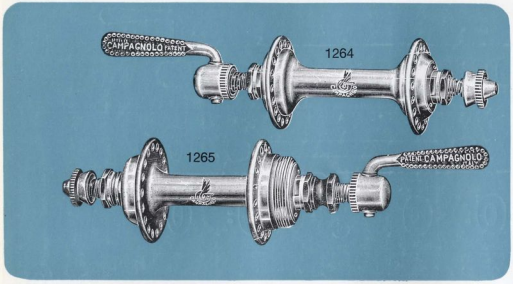
SIX-SPROCKETS HUBS ALSO AVAILABLE

CAMPAGNOLO RECORD HUBS AND QUICK RELEASE SPARE PARTS

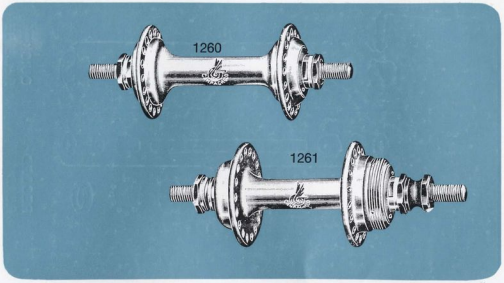


1	**Front** lock nut
18	**Conical** spring
19	**Front** road axle for Record road hubs
19/P	**Front** track solid spindle axle
25/R	**Record** front cone
29	**Rear** road axle for Record road hubs
29/P	**Rear** track solid spindle
32/R	**Record** rear cone
33	**Rear** lock nut for Record road hubs
33/P	**Rear** lock nut for Record track hubs
35	**Front** spindle washer
36	**Rear** spindle washer
46	**Rear** spacing collar
59	**Quick** release conical adjuster
60	**Quick** release lever housing
61	**Complete** quick release lever
64	**Quick** release front skewer
65	**Quick** release rear skewer
667	**Track** front nut
668	**Track** rear nut
737	**Front Record** ball cup
738	**Rear Record** ball cup
739	**Front** dust cover
740	**Rear** dust cover
741	**Spring** clip
743	**Track** lock ring
1001/3	**Front** quick release skewer complete
1001/4P	**Front** track axle complete
1001/4S	**Front** road axle complete
1006/5P	**Rear** track axle complete
1006/5S	**Rear** road axle complete
1006/8	**Rear** quick release skewer complete

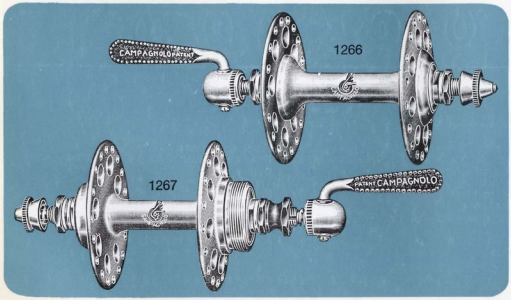
1251 **NUOVO TIPO** SMALL FLANGE **CAMPAGNOLO**
QUICK RELEASE HUBS



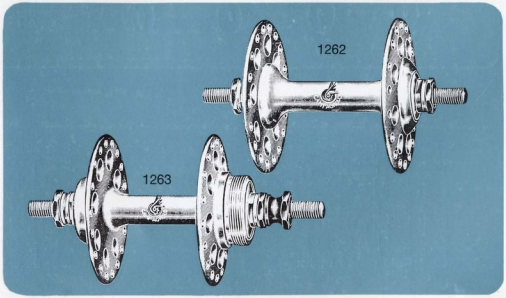
1250 **NUOVO TIPO** SMALL FLANGE **CAMPAGNOLO**
SOLID SPINDLE HUBS



1253 **NUOVO TIPO** LARGE FLANGE **CAMPAGNOLO**
QUICK RELEASE HUBS



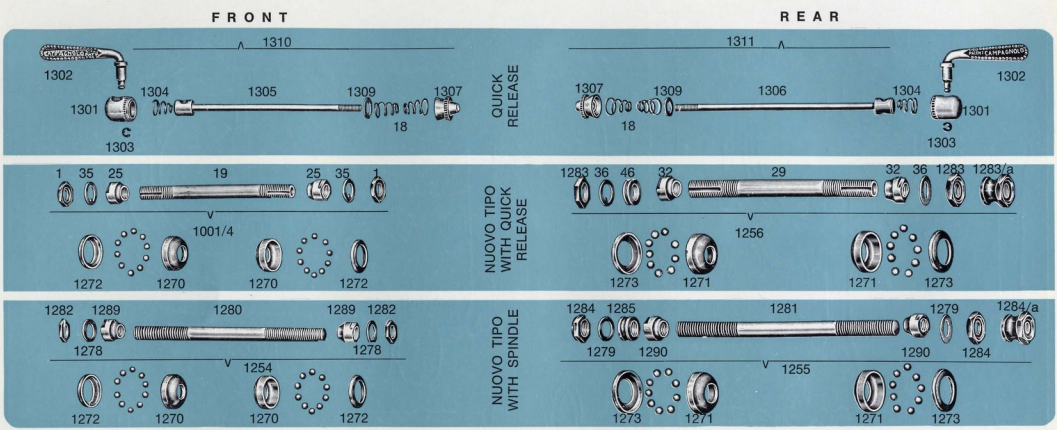
1252 **NUOVO TIPO** LARGE FLANGE **CAMPAGNOLO**
SOLID SPINDLE HUBS



WHEN ORDERING PLEASE SPECIFY: { **THREAD (∅ 35 × 24 F. OR ∅ 34,7 × 1 OR ∅ 1.370 × 24 F.)**
NUMBER OF HOLES (24 - 28 - 32 - 36 - 40)

HUBS ORDERED WITHOUT SPECIFICATION WILL BE SUPPLIED WITH ∅ 35 × 24 F. AND WITH 36 HOLES

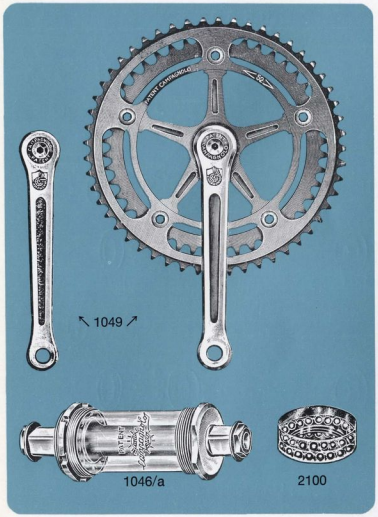
CAMPAGNOLO NUOVO TIPO AND QUICK RELEASE SPARE PARTS

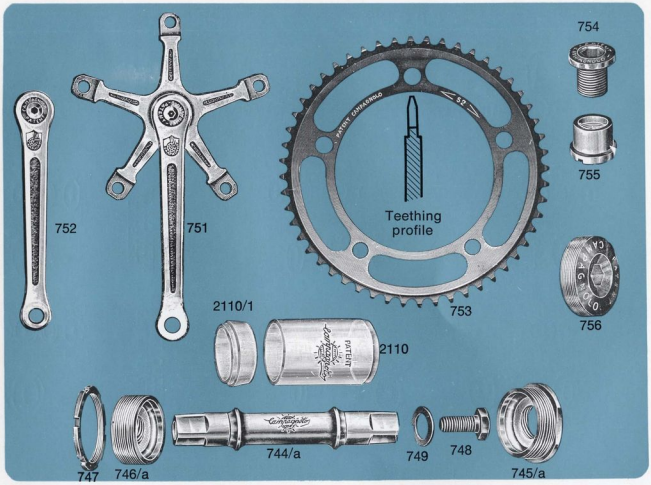


1	**Front** lock nut	1270	**Front** inserted race	1285	**Large** spacing collar
18	**Conical** spring	1271	**Rear** inserted race	1286	**Small** spacing collar
19	**Front** road axle for Record road hubs	1272	**Front** dust cap	1289	**Front** spindle cone
25	**Front Record** cone	1273	**Rear** dust cap	1290	**Rear** spindle cone
29	**Rear** road axle	1278	**Spindle** front washer	1301	**Chrome** cam cap
32	**Rear Record** cone	1279	**Spindle** rear washer	1302	**Quick** release lever
35	**Front** spindle washer	1280	**Front** spindle	1303	**Circlip** for lever
36	**Rear** spindle washer	1281	**Rear** spindle	1304	**Conical** spring
46	**Rear** spacing collar	1282	**Front** locknut	1305	**Front** skewer
1001/4	**Complete** front hollow spindle for Nuovo Tipo hubs	1283	**Rear** locknut	1306	**Rear** skewer
1254	**Complete** rear solid spindle for Nuovo Tipo hubs	1283/a	**Rear** spacer nut	1307	**Knurled** adjusting nut
1255	**Complete** rear solid spindle for Nuovo Tipo hubs	1284	**Rear** locknuts	1309	**Washer** for skewer
1256	**Complete** rear hollow spindle for Nuovo Tipo hubs	1284/a	**Spindle** special bolt	1310	**Nuovo Tipo** front quick release skewer
				1311	**Nuovo Tipo** rear quick release skewer

1048 - **RECORD** CHAINWHEEL SET - ROAD BOTTOM BRACKET

SPARE PARTS





1046/a **Cotterless** Nuovo Record bottom bracket (unless otherwise requested it will be supplied with 70-SS-120 spindle and 36 × 24 F. cups)

1049 **Road** chainwheel set (unless otherwise requested the set will be supplied with 170 mm. cranks and with 47-50 teeth chainrings for 1/2" × 3/32" chain)

For sizes and details of the Nuovo Record bottom bracket see page No. 25.

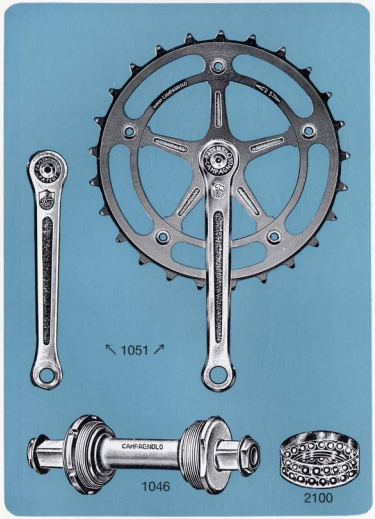
744/a **Cotterless** road spindle
745/a **Fixed** cup
746/a **Adjustable** cup
747 **Lock** ring
748 **Fixing** screw
749 **Fixing** washer
2110 **Record** sleeve
2110/1 **Cone** for Record sleeve

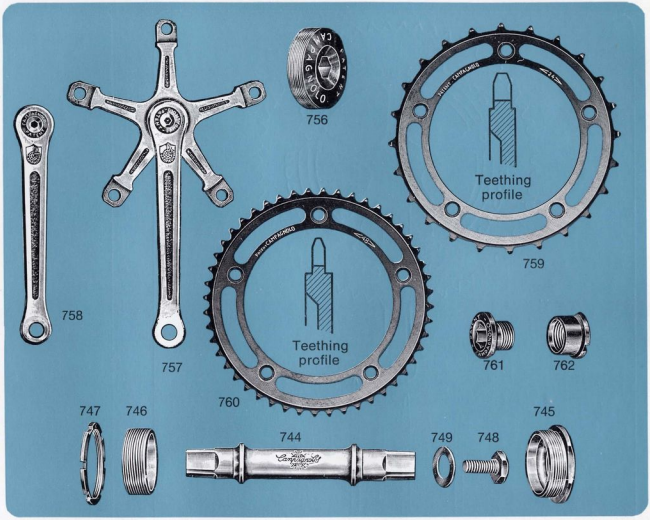
751 **Road** right hand crank (complete with cover No. 756) - please specify length
752 **Road** left hand crank (complete with cover No. 756) - please specify length
753 **Road** chainring for 1/2" × 3/32" (2 mm.) chain. Please specify number of teeth.
754 **Road** chainwheel fastening screw
755 **Road** chainwheel fastening nut
756 **Crank** cover plate

CRANKS: LENGTH 165 - 167.5 - 170 - 172.5 - 175 - 177.5 - 180mm.
CHAINRINGS: FOR 1/2" CHAIN - FROM 42 TO 57 TEETH

1050 - **RECORD** CHAINWHEEL SET - TRACK BOTTOM BRACKET

SPARE PARTS





1046 **Cotterless** Record bottom bracket (unless otherwise requested it will be supplied with 65-P-110 spindle and 36 × 24 F. cups)

1051 **Track** chainwheel set (unless otherwise requested it will be supplied with 170 mm. cranks and with 24 teeth chainrings for 1" × 3/16" (4,6 mm.) chain)

CRANKS: LENGTH 165 - 167.5 - 170 - 172.5 - 175 - 177.5 - 180 mm.

CHAINRINGS: FOR 1" CHAIN - FROM 22 TO 35 TEETH
FOR 1/2" CHAIN - FROM 44 TO 70 TEETH

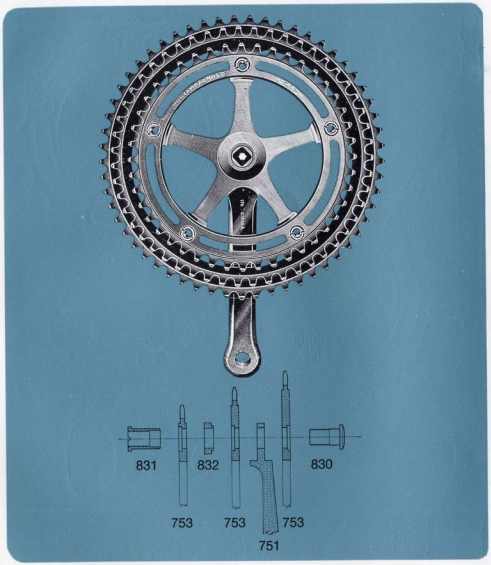
For sizes and details of the Record bottom bracket see page No. 24

744 **Cotterless** road spindle
745 **Fixed** cup
746 **Adjustable** cup
747 **Lock** ring
748 **Fixing** screw
749 **Fixing** washer

756 **Crank** cover plate
757 **Track** right hand crank (complete with cover No. 756) - please specify length
758 **Track** left hand crank (complete with cover No. 756) - please specify length
759 **Track** chainring for 1" × 3/16" (4.6 mm.) chain - also available for 1" × 1/8" (3 mm.) chain. Please specify number of theeth
760 **Track** chainring for standard chain 1/2" × 1/8" (3 mm.) - Please specify number of teeth.
761 **Track** chainwheel fastening screw
762 **Track** chainwheel fastening nut

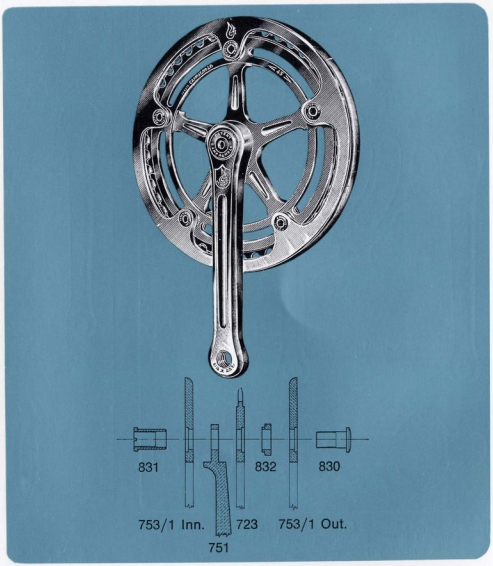
CAMPAGNOLO ROAD SPECIAL CHAINWHEEL SETS

RIGHT HAND CRANK WITH TRIPLE CHAINRING



751 **Road** right hand crank (complete with cover No. 756)
Please specify lenght
753 **Chainring** for 1/2" × 3/32" chain (2 mm.)
Please specify number of teeth
830 **Triple** chainring fixing bolt
831 **Nut** for bolt No. 830
832 **Triple** chainring spacer

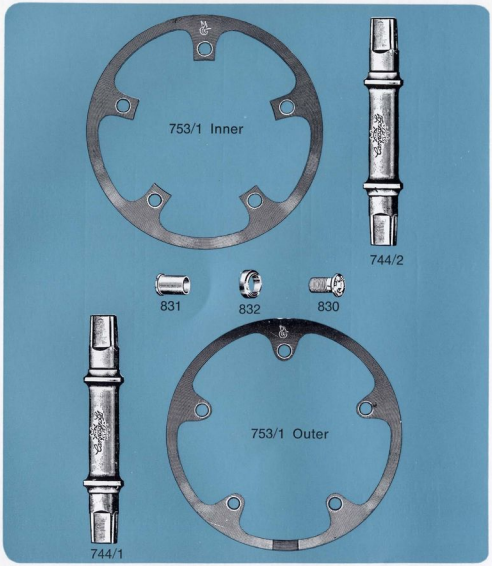
CYCLOCROSS RIGHT HAND FLANGED CRANK



751 **Road** right hand crank (complete with cover N. 756)
Please specify length
753 **Chainring** for 1/2" × 3/32" chain (2 mm.)
Please specify number of teeth
753/1 **Cyclocross** inner flange
753/1 **Cyclocross** outer flange
830 **Triple** chainring fixing bolt
831 **Nut** for bolt No. 830
832 **Triple** chainring spacer

CAMPAGNOLO ROAD SPECIAL CHAINWHEEL SETS SPARE PARTS

SPARE PARTS



744/1 **Triple** chainring cotterless spindle
744/2 **Cyclocross** cotterless spindle
753/1 **Cyclocross** inner flange
753/1 **Cyclocross** outer flange
830 **Triple** chainring fixing bolt
831 **Nut** for bolt No. 830
832 **Triple** chainring spacer

SLEEVED CRANK FOR 42 TEETH CHAINRING



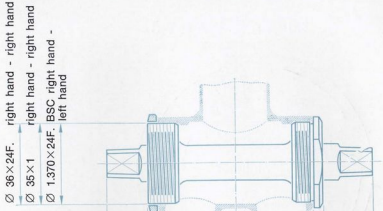
IMPORTANT: When ordering spare chainrings specify if are to be fitted on cranks for chainrings with **42** teeth onwards or from **44** teeth onwards.

1046 - **CAMPAGNOLO** RECORD BOTTOM BRACKET SET



744 **Cotterless** road spindle
745 **Fixed** cup
746 **Adjustable** cup
747 **Lockring** 3,5 mm. standard size (available also in 4 and 4,5 mm.)
748 **Fixing** screw
749 **Fixing** washer
2100 **Bottom** bracket special ball races

CUPS WITH A 0,5 mm. INCREASED THREAD AVAILABLE



	BRACKET SERIAL NUMBER			BRACKET WIDTH			AXLE OVERAL LENGTH	
TRACK	65-P-110	16	3,5	65	3,5	16	104	mm
	68-P-110	14,5	3,5	68	3,5	15,5	105	mm
	68-P-120	17	3,5	68	3,5	17	109	mm
	70-P-120	16	3,5	70	3,5	16	109	mm
ROAD	68-SS-120	17	3,5	68	3,5	20	112	mm
	70-SS-120	17	3,5	70	3,5	19	113	mm
	74-SS-120	17	3,5	74	3,5	19	117	mm

Details of the bracket serial number (ex.: 65-P-110)

— The number (65) indicates the bracket width
— (P) indicates track
— (SS) indicate road
— The number (110) indicates the suggested width of the rear hub for a perfect chain line (see pages 40-41)

BRACKET SETS ORDERED WITHOUT SPECIFICATION WILL BE SUPPLIED AS FOLLOWS:

For ROAD
— Axle 70-SS-120
— Cups ∅ 36 × 24 F.

For TRACK
— Axle 65-P-110
— Cups ∅ 36 × 24 F.

1046/a - CAMPAGNOLO NUOVO RECORD

BOTTOM BRACKET SET WITH SPECIAL AXLE AND CUPS



744/a **Cotterless** road spindle
745/a **Fixed** cup
746/a **Adjustable** cup
747 **Lockring** 3,5 mm. standard size (available also in 4 and 4,5 mm.)
748 **Fixing** screw
749 **Fixing** washer
2100 **Bottom** bracket special ball races
2110 **Record** sleeve
2110/1 **Cone** for Record sleeve

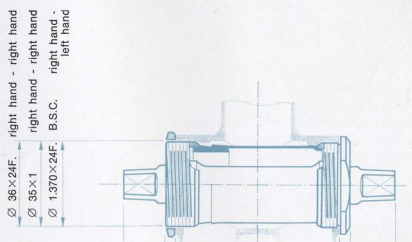
CUPS WITH A 0,5 mm. INCREASED THREAD AVAILABLE

Details of the bracket serial number (ex. 68-SS-120)

— the number (68) indicates the width
— (SS) indicate road
— the number (120) indicates the suggested width of the rear hub for a perfect chain line (see pages 40-41)

BRACKET SETS ORDERED WITHOUT SPECIFICATION WILL BE SUPPLIED AS FOLLOWS:

— 70-SS-120 axle
— cups thread ∅ 36×24F.



CAMPAGNOLO RECORD HEADSET

1039 ROAD TYPE





1040 TRACK TYPE



681 **Locking** nut
682 **Locking** washer
683 **Screwed** race
684 **Top** head race (0,5 mm. larger gauge available)
685 **Bottom** head race (0,5 mm. larger gauge available)
686 **Crown** race (smaller diameter available)
693/1 **Steerer**
2101 **Road** headset special ball races

681 **Locking** nut
682 **Locking** washer
687 **Track** screwed race
688 **Top** head race (0,5 mm. larger gauge available)
689 **Bottom** head race (0,5 mm. larger gauge available)
690 **Crown** race (smaller diameter available)
2102 **Track** headset special ball races

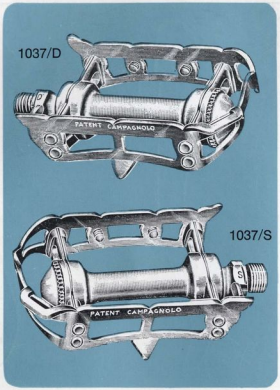
HEADSET ORDERED WITHOUT SPECIFICATION WILL BE SUPPLIED WITH ∅ 25.4 × 24F. THREAD
HEADSETS WITH ∅ 25 × 1 AND ∅ 1" × 24 T.P.I. B.S.C. THREADS AVAILABLE

CAMPAGNOLO HEADSETS ARE SUPPLIED COMPLETE WITH SPECIAL BALL RACES (∅ 3/16" FOR ROAD AND ∅ 5/32" FOR TRACK)

STEERER AVAILABLE WITH THREAD ∅ 25,4 × 24F. AND WITH LENGTHS 160-180-200-220-250-270 mm.

CAMPAGNOLO RECORD PEDALS

1037 ROAD TYPE



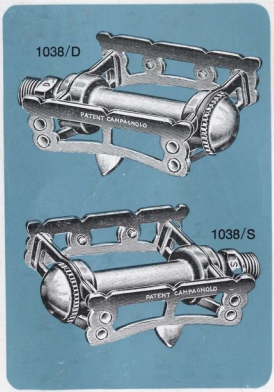
1037/D **Road** right hand pedal

1037/S **Road** left hand pedal

1038/D **Track** right hand pedal

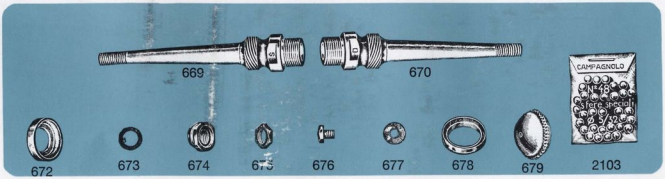
1038/S **Track** left hand pedal

1038 TRACK TYPE



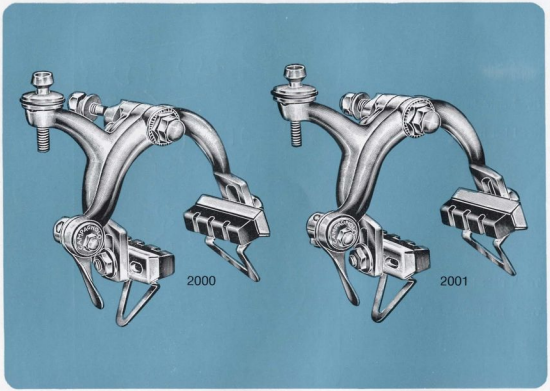
SPARE PARTS

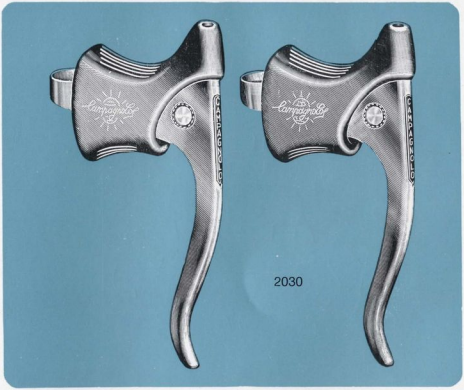
669 **Left** hand pedal axle
670 **Right** hand pedal axle
672 **Inserted** race
673 **Pedal** axle washer
674 **Pedal** axle cone
675 **Pedal** axle lock nut
676 **Toe** clip bolt
677 **Toe** clip washer
678 **Inner** dust cap
679 **Pedal** dust cap
2103 **Pedal** special ball races



UNLESS OTHERWISE REQUESTED, PEDALS WILL BE SUPPLED WITH Ø 9/16" × 20F. SPINDLE
PEDALS WITH Ø 14 × 1,25 SPINDLES THREAD AVAILABLE

2040 - **CAMPAGNOLO** RECORD BRAKES AND CONTROL LEVERS





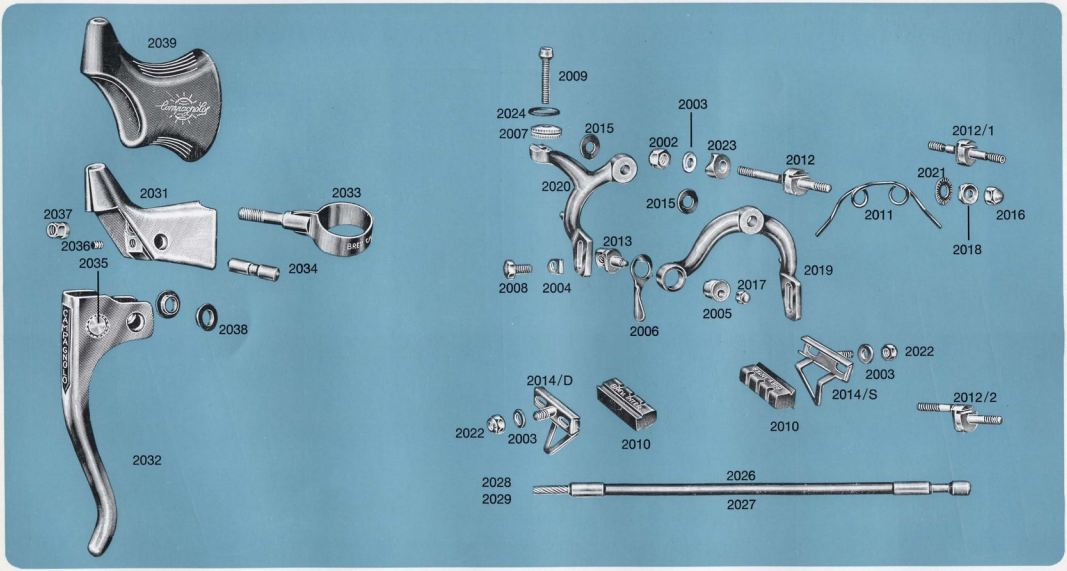
2000 **Front** brake

2001 **Rear** brake

2030 **Brake** quick release lever

IF REQUESTED OUTER CASINGS AND CABLES ARE FURNISHED INCREASED OF 6 cm (SEE NORMAL MEASURES AT PAGE 29)

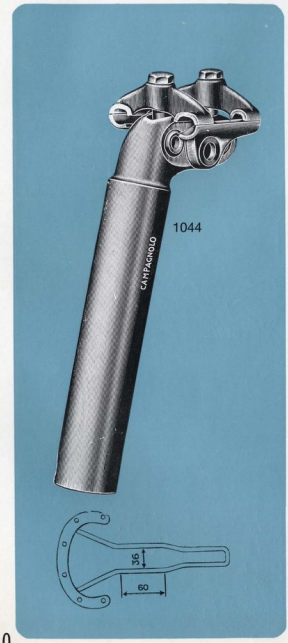
CAMPAGNOLO RECORD BRAKES AND CONTROL SYSTEM SPARE PARTS



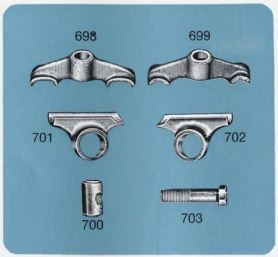
2002	**Centre** bolt fixing nut	2013	**Cable** clamp	2026	**Front** brake outer cable (56 cm.)
2003	**Brake** shoe washer	2014/D	**Right** hand brake shoe	2027	**Rear** brake outer cable (114 cm.)
2004	**Clamp** bolt washer	2014/S	**Left** hand brake shoe	2028	**Front** inner cable (68 cm.)
2005	**Cam**	2015	**Friction** washer	2029	**Rear** inner cable (126 cm.)
2006	**Quick** release cam lever	2016	**Domed** nut		
2007	**Adjusting** nut	2017	**Cam** locking nut	2031	**Lever** hood
2008	**Cable** clamp bolt	2018	**Locking** nut	2032	**Lever**
2009	**Adjusting** screw	2019	**Front** stirrup	2033	**Brake** lever clip
2010	**Brake** block	2020	**Rear** stirrup	2034	**Lever** pivot pin
2011	**Tension** screw	2021	**Serrated** washer	2035	**Cable** nipple holder
2012	**Front** brake centre bolt	2022	**Brake** shoe nut	2036	**Grub** screw
2012/1	**Rear** brake centre bolt	2023	**Concave** washer	2037	**Clamp** nut
2012/2	**Rear** brake centre bolt	2024	**Adjusting** rubber	2038	**Lever** bush
				2039	**Rubber** lever hood

CAMPAGNOLO SEAT PIN

1044 FOR WIDE CRADLE SADDLES
WITH SHORT ADJUSTMENT

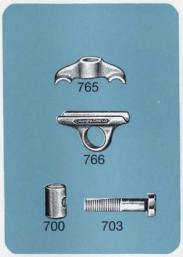


SPARE PARTS



698 **Front** bracket
699 **Rear** bracket
700 **Bolt** nut
701 **Left** hand side support
702 **Right** hand side support
703 **Fixing** and adjusting bolt

SPARE PARTS



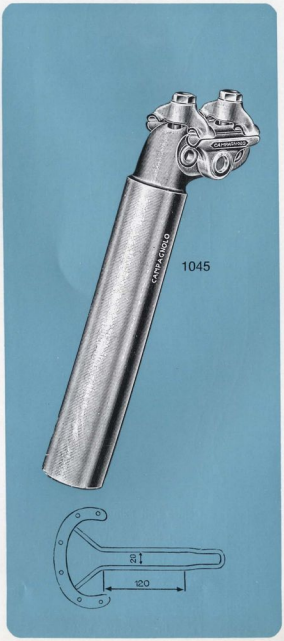
700 **Bolt** nut
703 **Fixing** and adjusting bolt
765 **Front** and rear clamp
766 **Right** and left hand support

WHEN ORDERING PLEASE SPECIFY:

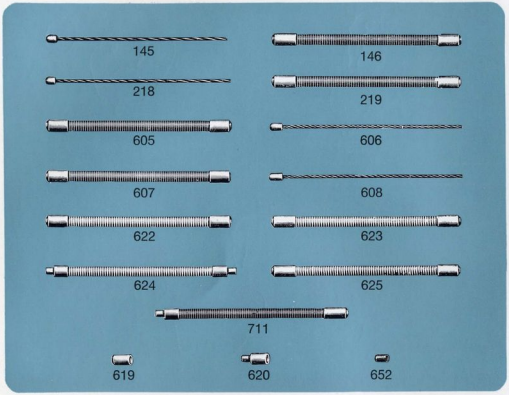
— PIN DIAMETER AS PER ONE OF THE GIVEN SIZES: 25 - 25.8 - 26 - 26.2 - 26.4 - 26.6 - 26.8 - 27 - 27.2 - 27.4.

— LENGTH OF THE PIN - STANDARD (130 mm.) — LONG (180 mm.)

1045 FOR NARROW CRADLE SADDLES
WITH LONG ADJUSTMENT



OUTER AND INNER CABLES



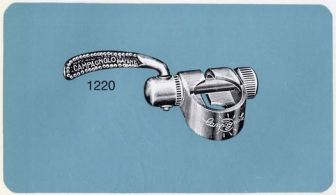
145 **Rear** derailleur cable to handlebar control (197 cm.)
146 **Rear** derailleur outer casing to handlebar control (185 cm.)
218 **Front** changer cable to handlebar control (150 cm.)
219 **Front** changer outer casing to handlebar control (140 cm.)
605 **Gear** outer casing (105 cm.)
606 **Gear** cable to frame control (118 cm.)
607 **Down** tube front outer casing (59 cm.)
608 **Front** changer cable to frame control (70 cm.)
619 **Outer** casing ferrule
620 **Spindled** ferrule
622 **Rear** derailleur steel outer casing (21 cm.)
623 **Front** changer steel outer casing (15,5 cm.)
624 **Chainstay** outer casing (10 cm.)
625 **Steel** outer casing to down tube handlebar control (75 cm.)
652 **Safety** cable
711 **Gear** vipla outer casing (23 cm.)

CLIPS



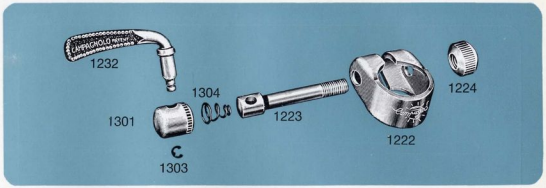
147 **Twin** outer cable clip (28 mm. ∅)
148 **Outer** cable clip (28 mm. ∅)
149 **Outer** cable clip (22 mm. ∅)
170 **Outer** cable clip (13 mm. ∅)
171 **Clip** bolt
172 **Nut** for bolt 171
215 **Cage** spanner bolt
217 **Cage** spacer bolt nut
609 **Clip** bolt and nut
626/a **Double** stop clip for down tube controls
627/a **Down** tube tunnel R/H for gear
628 **Front** changer clip
629 **Double** stop cable clip for handlebar control
630 **Clip-on-tunnel** and stop with pump holder D/T
631 **Clip-on-tunnel** and stop with pump holder S/T
632 **Pump** holder
633 **Clip** with pump holder for 10-speed handlebar stops
636 **Stop** clip on chainstay for rear derailleur
647 **Adaptor** shim when fitting 632 to down tube
648 **Pump** peg holder
649 **Brake** cable clip
659 **Outer** cable clip (15 mm. ∅)

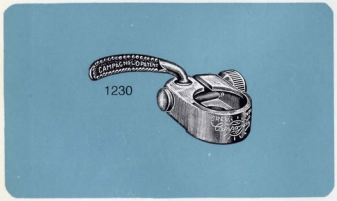
CLIPS WITH **CAMPAGNOLO** QUICK-RELEASES



1220 CLIP WITH QUICK-RELEASE

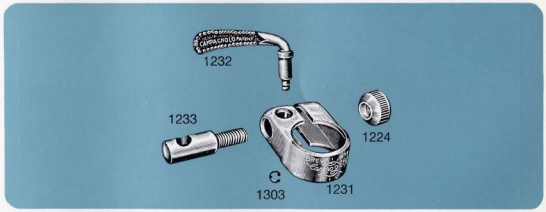
1222 **Clip** body (please specify body diameter)
1223 **Spindle**
1224 **Adjusting** nut
1232 **Lever**
1301 **Lever** block
1303 **Circlip**
1304 **Tension** spring

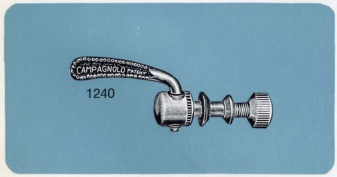




1230 CLIP WITH INCORPORATED QUICK-RELEASE

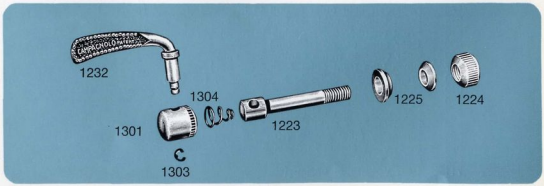
1224 **Adjusting** nut
1231 **Clip** body (please specify body diameter)
1232 **Lever**
1233 **Spindle**
1303 **Circlip**





1240 SPECIAL QUICK-RELEASE BOLT

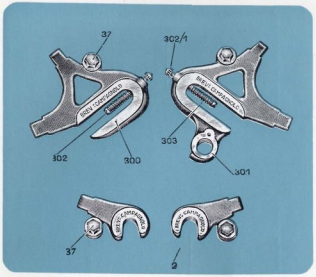
1223 **Spindle**
1224 **Adjusting** nut
1225 **Spacing** washers
1232 **Lever**
1301 **Lever** block
1303 **Circlip**
1304 **Tension** spring



WHEN ORDERING PLEASE ALWAYS SPECIFY THE DESIRED DIAMETER OF CLAMP

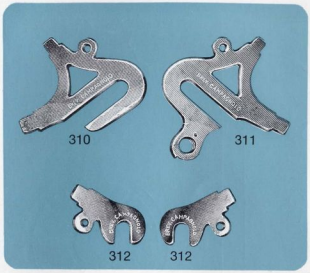
CAMPAGNOLO REAR AND FRONT FORK ENDS

1010 RECORD SET



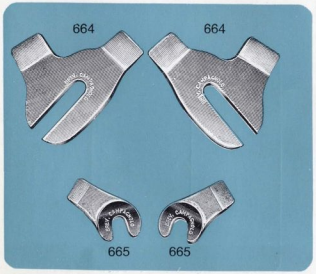
2 **Front** fork ends
37 **Screw** and washer
300 **Left** hand rear end
301 **Right** hand rear end
302 **Adjusting** bolt
302/1 **Nut** for bolt 302
303 **Adjusting** bolt spring

1010/1 SPORT SET



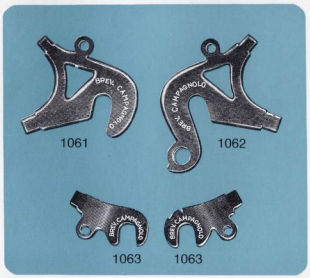
310 **Left** hand rear end
311 **Right** hand rear end
312 **Front** fork ends

1053 TRACK SET



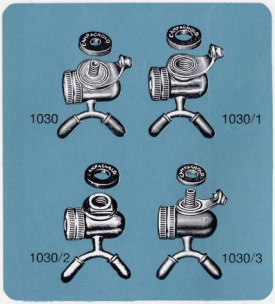
664 **Rear** fork ends
665 **Front** fork ends

1060 RACING SET



1061 **Left** hand rear end
1062 **Right** hand rear end
1063 **Front** fork ends

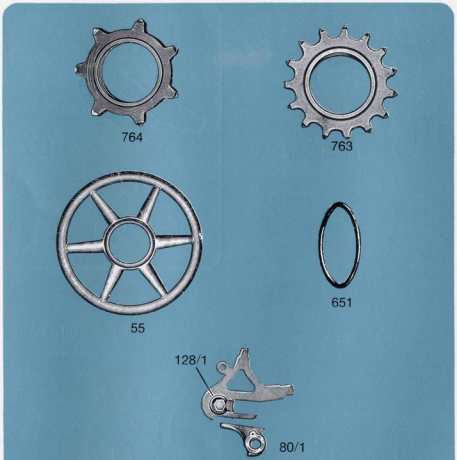
SPECIAL PUMP ADAPTORS



SPARE PARTS



SUNDRIES



640 **Rubber** cap
641 **Milled** nut
642 **Rubber** washer
643 **Rubber** washer for tubular valves
644 **Rubber** washer for pump connector 1030
645 **Connecting** screw
646 **Rubber** washer for pump connectors 1030/1 and 1030/2
653 **Rubber** washer for pump connector 1030/3
1030 **Pump** connector for British pumps complete with 7/32" or 7 × 1 locking screw
1030/1 **Pump** connector for Italian pumps with 9 × 1.25 locking screw
1030/2 **Pump** connector for Italan Silca Impero pumps with 9 × 1.25 squared boss
1030/3 **Pump** connector for French pumps with 5 × 1 or 7 × 1 locking screw

55 **Spoke** disc (specify if for 4 or 5 sprockets)
80/1 **Gear** fixing plate
128/1 **Rear** fork end bolt
651 **Freewheel** spacer (1 - 1.5 - 2 mm. thick)
763 **Standard** sprocket for 1/2" × 1/8" 3 mm. chain. (Sprockets with 12 - 13 - 14 - 15 - 16 teeth available)
764 **Racing** chain sprocket for 1" × 3/16 (4,6 mm.) chain. (Sprocket with 6 - 7 - 8 or for 1" × 1/8" chain available)

SPECIAL GREASE



100 GRS. TIN

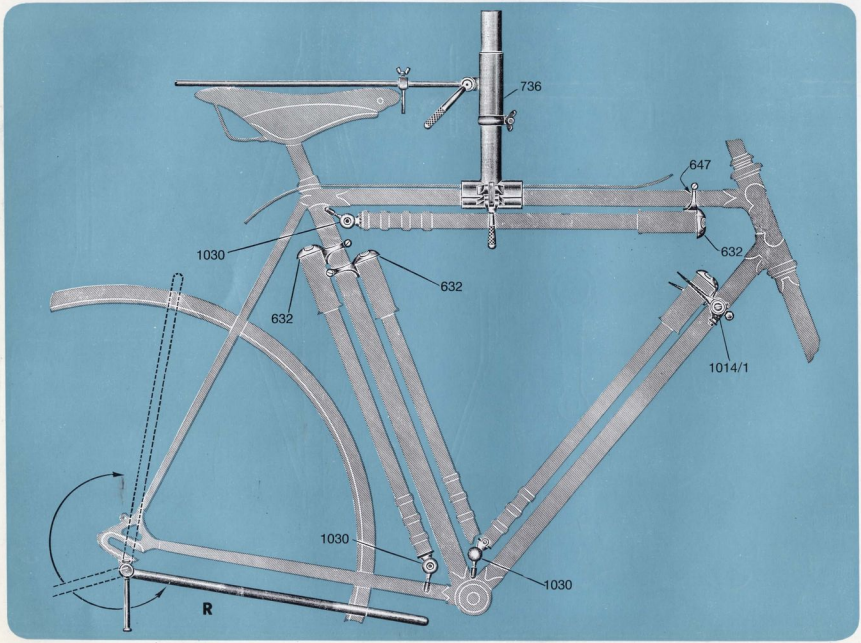


500 GRS. TIN



1 KG. TIN

CAMPAGNOLO PUMP CLIP AND SPECIAL PUMP CONNECTOR FOR DIFFERENT POSITIONS



632 **Pump** holder

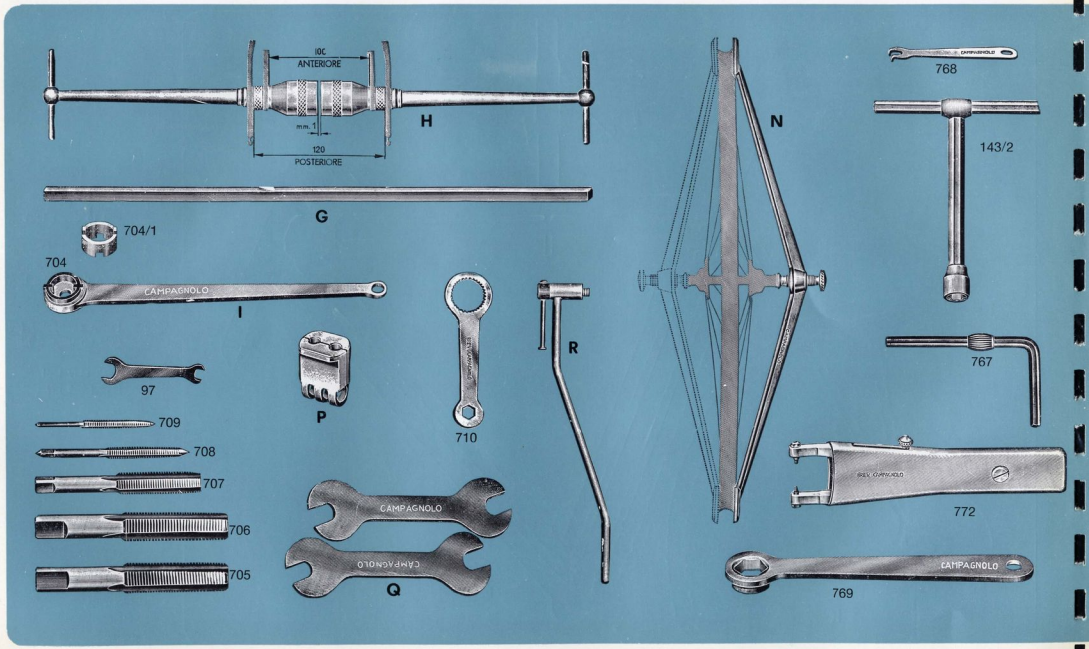
647 **Adaptor** shim when fitting 632 to down tube

736 **Saddle** line alignment

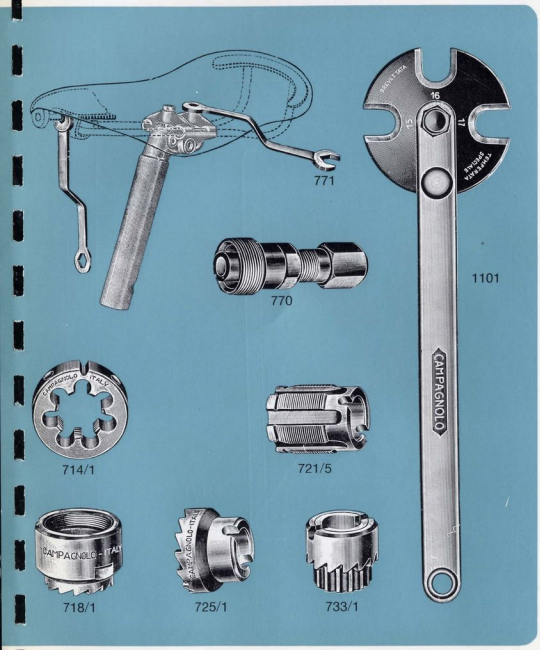
1014/1 **Twin** down tube lever with pump holder

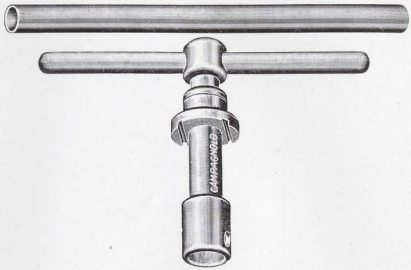
1030 **Pump** connector (see models on page 34)

R **Back** stay tool (see page 37)


ANTERIORE
mm. 1
120
POSTERIORE
H
G
704/1
704
CAMPAGNOLO
I
97
709
708
707
706
705
P
710
R
Q
CAMPAGNOLO
N
768
143/2
767
772
769
CAMPAGNOLO

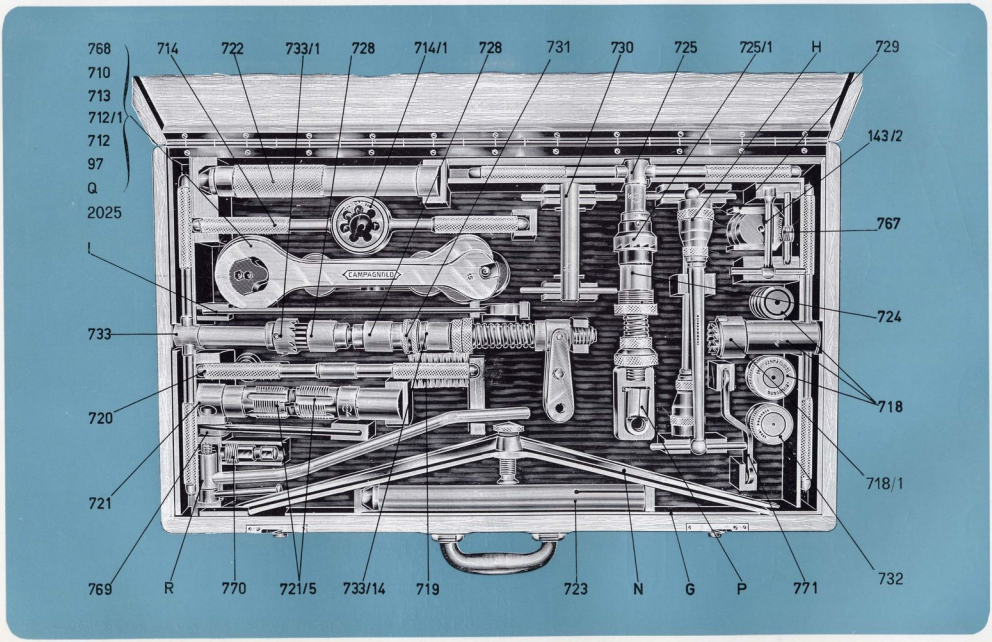
SPECIAL TOOLS





G	**Straight** edge
H	**Back** stay alignment tool
I	**Freewheel** removing tool complete
N	**Wheel** dish tool
P	**Axle** holding tool for 9 and 10 ∅
Q	**Cone** wrenches (two) 13-14 or 15-16
R	**Back** stay tool
97	**Gear** wrenches
143/2	« **T** » **wrenches** (6-8 mm)
704	**Insert** for freewheel removing tool fig. I
704/1	**Reducing** insert for 13T. freewheel
705	**Pedal** tap right hand (9/16" ∅ × 20 thread)
706	**Pedal** tap left hand (9/16" ∅ × 20 thread)
707	**Gear** hanger tap 10 ∅ × 26 thread
708	**Madguard** eye tap 5 ∅ × 0,8
709	**Rear** tip adjuster tap 3 ∅ × 0,5
710	**Pedal** wrenches
714/1	**Fork** column die
718/1	**Head** race mill
721/5	**Bottom** bracket tap
725/1	**Crown** race mill
733/1	**Head** race mill
767	« **L** » **shaped** chainwheel screw allen key
768	**Chainwheel** screw peg spanner
769	**Cotterless** B/B axle spanner
770	**Cotterless** crank extractor
771	**Saddle** spanner
772	**Headsets** pin spanner
793/a	**R/H** bottom bracket cup remover (complete with pipe and fixing edge)
1101	**Pedals** spanner

CAMPAGNOLO COMPLETE TOOL CASE
⁂ **CAMPAGNOLO** REDUCED TOOL CASE



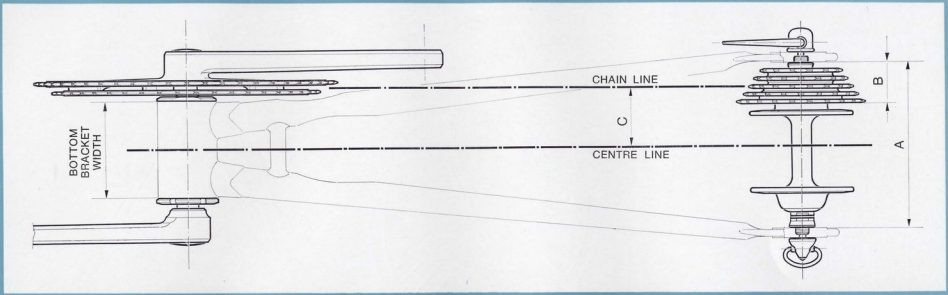
N.B. - THE REDUCED TOOL CASE IS INTENDED FOR ASSEMBLING OF HEADSETS AND BOTTOM BRACKET SETS ONLY

1102 - **CAMPAGNOLO** BICYCLE ASSEMBLING STAND

	97	**Gear** wrenches
	143/2	« **T** » **wrenches** (6-8 mm.)
	710	**Pedal** wrenches
✻	712	**Bottom** bracket lockring tool
✻	712/1	**Bottom** bracket adjusting cone tool
✻	713	**Bottom** bracket stationary cone tool
	714	**Fork** column die holder
	714/1	**Fork** column die
✻	718	**Crown** race cutter
✻	718/1	**Head** race mill
	719	**Brush**
✻	720	**Handle** for bottom bracket double tap
✻	721	**Bottom** bracket double tap
✻	721/5	**Spare** taps for art. 721
✻	722	**Headset** cup punch
	723	**Headset** cup remover
✻	724	**Bottom** bracket cutter sleeve
	725	**Bottom** bracket face cutter
✻	725/1	**Spare** mill for art. 725
✻	728	**Sleeve** for art. 733
✻	729	**Fork** crown cone remover
✻	730	**Set** of keys for sleeve No. 724
	731	**Headset** jig
	732	**Fork** crown jig
✻	733/1	**Head** race mill
✻	733/14	**Centraliser** sleeve for jig 733
✻	767	« **L** » **shaped** chainwheel screw allen key
	768	**Chainwheel** screw peg spanner
	769	**Cotterless** B/B axle spanner
✻	770	**Cotterless** crank extractor
	771	**Saddle** spanner
	2025	**Special** brake spanner
	G	**Straight** edge
	H	**Back** stay alignment tool
	I	**Freewheel** removing tool complete
	N	**Wheel** dish tool
	P	**Axle** holding tool
	Q	**Cone** wrenches (two) (13-14 mm.)
	R	**Back** stay tool

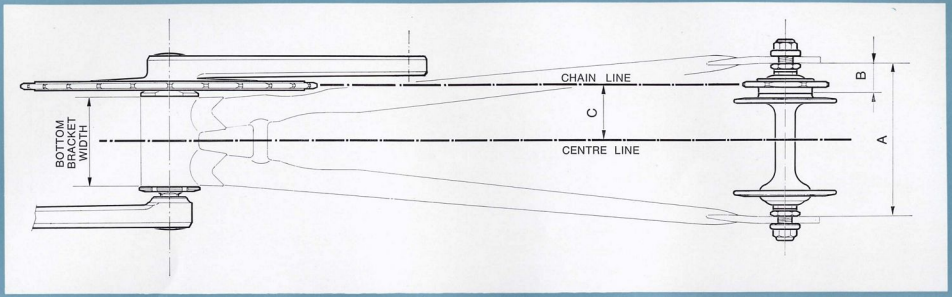


ROAD CHAIN LINE



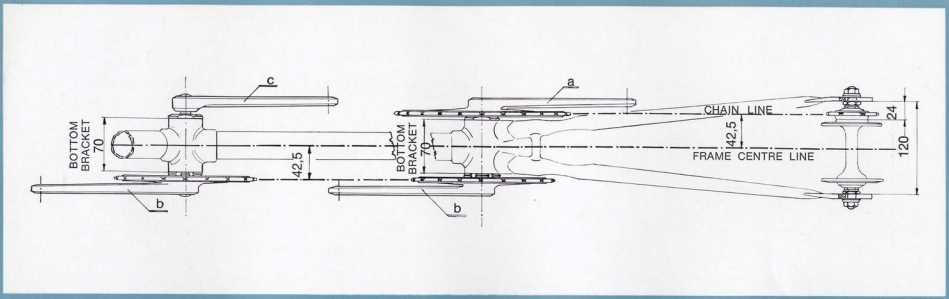
BOTTOM BRACKET WIDTH	REAR HUB WIDTH « A »	FREWHEEL WIDTH « B »	CHAIN LINE « C »
68	120	29	**43,5**
70	120	29	**43,5**
74	120	29	**43,5**

TRACK CHAIN LINE



BOTTOM BRACKET WIDTH	REAR HUB WIDTH « A »	SPROCKET WIDTH « B »	CHAIN LINE « C »
65	110	21.5	**40**
68	110	21.5	**40**
68	120	24	**42,5**
70	120	24	**42,5**

TANDEM CHAIN LINE



a	TRACK RIGHT HAND STANDARD CRANK
b	TRACK RIGHT HAND CRANK WITH LEFT HAND THREAD
c	TRACK LEFT HAND CRANK WITH RIGHT HAND THREAD

GEAR TABLES

Development in metres for a complete turn of cranks

With 670 mm. diameter wheels

Number of teeth on chainring	Number of teeth on freewheel sprocket														
	6		7		8		9		10		11		12		13
	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
20 o 40	7,01	6,47	6,01	5,61	5,26	4,95	4,67	4,42	4,20	4,00	3,82	3,66	3,50	3,36	3,23
41	7,19	6,63	6,16	5,75	5,39	5,07	4,79	4,53	4,31	4,10	3,92	3,75	3,59	3,44	3,31
21 o 42	7,36	6,79	6,31	5,89	5,52	5,19	4,90	4,65	4,41	4,20	4,01	3,84	3,68	3,53	3,39
43	7,54	6,96	6,46	6,03	5,65	5,32	5,02	4,76	4,52	4,30	4,11	3,93	3,77	3,61	3,47
22 o 44	7,71	7,12	6,61	6,17	5,78	5,44	5,14	4,87	4,63	4,40	4,20	4,02	3,85	3,70	3,56
45	7,89	7,28	6,76	6,31	5,91	5,57	5,26	4,98	4,73	4,50	4,30	4,11	3,94	3,78	3,64
23 o 46	8,06	7,44	6,91	6,45	6,04	5,69	5,37	5,09	4,84	4,60	4,39	4,21	4,03	3,86	3,72
47	8,24	7,60	7,06	6,59	6,18	5,81	5,49	5,20	4,94	4,70	4,49	4,30	4,12	3,95	3,80
24 o 48	8,42	7,77	7,21	6,73	6,31	5,94	5,61	5,31	5,05	4,80	4,59	4,39	4,20	4,03	3,88
49	8,59	7,93	7,36	6,87	6,44	6,06	5,72	5,42	5,15	4,91	4,68	4,48	4,29	4,12	3,96
25 o 50	8,77	8,09	7,51	7,01	6,57	6,19	5,84	5,53	5,26	5,01	4,78	4,57	4,38	4,20	4,04
51	8,94	8,25	7,66	7,15	6,70	6,31	5,96	5,64	5,36	5,11	4,87	4,66	4,47	4,28	4,12
26 o 52	9,12	8,41	7,81	7,29	6,83	6,43	6,07	5,75	5,47	5,21	4,97	4,75	4,56	4,37	4,20
53	9,29	8,58	7,96	7,43	6,96	6,56	6,19	5,86	5,57	5,31	5,06	4,84	4,62	4,45	4,28
27 o 54	9,47	8,74	8,11	7,57	7,10	6,68	6,31	5,97	5,68	5,41	5,16	4,94	4,73	4,54	4,36
55	9,64	8,90	8,26	7,71	7,23	6,80	6,42	6,08	5,78	5,51	5,25	5,03	4,82	4,62	4,45
28 o 56	9,82	9,06	8,41	7,85	7,36	6,93	6,54	6,19	5,89	5,61	5,35	5,12	4,91	4,70	4,53

With 690 mm. diameter wheels

Number of teeth on chainring	Number of teeth on freewheel sprocket														
	6		7		8		9		10		11		12		13
	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
20 o 40	7,22	6,67	6,19	5,78	5,41	5,09	4,81	4,56	4,33	4,12	3,94	3,76	3,61	3,46	3,33
41	7,40	6,83	6,34	5,92	5,55	5,22	4,93	4,67	4,44	4,23	4,03	3,86	3,70	3,55	3,41
21 o 42	7,58	7,00	6,50	6,07	5,68	5,35	5,05	4,79	4,54	4,33	4,13	3,95	3,79	3,64	3,49
43	7,76	7,16	6,65	6,21	5,82	5,47	5,17	4,90	4,65	4,43	4,23	4,05	3,88	3,72	3,58
22 o 44	7,94	7,33	6,81	6,35	5,95	5,60	5,29	5,01	4,76	4,54	4,33	4,14	3,97	3,81	3,66
45	8,12	7,50	6,96	6,50	6,09	5,73	5,41	5,13	4,87	4,64	4,43	4,24	4,06	3,90	3,74
23 o 46	8,31	7,67	7,12	6,64	6,22	5,86	5,53	5,24	4,98	4,74	4,53	4,33	4,15	3,98	3,83
47	8,49	7,83	7,27	6,78	6,36	5,98	5,65	5,35	5,09	4,85	4,63	4,42	4,24	4,07	3,91
24 o 48	8,67	8,00	7,43	6,93	6,49	6,11	5,78	5,47	5,20	4,95	4,72	4,52	4,33	4,16	3,99
49	8,85	8,16	7,58	7,08	6,63	6,24	5,90	5,58	5,30	5,05	4,82	4,61	4,42	4,24	4,08
25 o 50	9,03	8,33	7,74	7,22	6,76	6,37	6,02	5,70	5,41	5,16	4,92	4,71	4,51	4,33	4,16
51	9,21	8,50	7,89	7,37	6,90	6,50	6,14	5,81	5,52	5,26	5,02	4,80	4,60	4,42	4,24
26 o 52	9,39	8,66	8,05	7,51	7,03	6,62	6,26	5,92	5,63	5,36	5,12	4,89	4,69	4,50	4,33
53	9,57	8,83	8,20	7,65	7,17	6,75	6,38	6,04	5,74	5,47	5,22	4,99	4,78	4,59	4,41
27 o 54	9,75	9,00	8,35	7,80	7,30	6,88	6,50	6,15	5,85	5,57	5,31	5,08	4,87	4,68	4,49
55	9,93	9,16	8,51	7,94	7,44	7,00	6,62	6,27	5,95	5,67	5,41	5,18	4,96	4,76	4,58
28 o 56	10,11	9,33	8,66	8,09	7,57	7,13	6,74	6,38	6,06	5,77	5,51	5,27	5,05	4,85	4,66

With 680 mm. diameter wheels

Number of teeth on chainring	Number of teeth on freewheel sprocket														
	6		7		8		9		10		11		12		13
	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
20 o 40	7,12	6,57	6,10	5,69	5,34	5,02	4,74	4,50	4,27	4,07	3,88	3,71	3,56	3,42	3,28
41	7,30	6,73	6,25	5,84	5,47	5,15	4,86	4,60	4,37	4,17	3,98	3,80	3,64	3,50	3,36
21 o 42	7,47	6,90	6,40	5,98	5,60	5,27	4,98	4,72	4,48	4,27	4,07	3,90	3,73	3,58	3,45
43	7,65	7,06	6,56	6,12	5,74	5,40	5,10	4,83	4,59	4,37	4,17	3,99	3,82	3,67	3,53
22 o 44	7,83	7,23	6,71	6,26	5,87	5,52	5,22	4,94	4,70	4,47	4,27	4,08	3,91	3,76	3,61
45	8,01	7,39	6,86	6,40	6,00	5,65	5,34	5,05	4,80	4,57	4,37	4,18	4,00	3,84	3,69
23 o 46	8,18	7,55	7,01	6,55	6,14	5,78	5,45	5,17	4,91	4,67	4,46	4,27	4,09	3,93	3,78
47	8,36	7,72	7,17	6,69	6,27	5,90	5,57	5,28	5,02	4,78	4,56	4,36	4,18	4,01	3,86
24 o 48	8,54	7,88	7,32	6,83	6,40	6,03	5,69	5,39	5,12	4,88	4,66	4,45	4,27	4,10	3,94
49	8,72	8,05	7,47	6,97	6,54	6,15	5,81	5,50	5,23	4,98	4,75	4,55	4,36	4,18	4,02
25 o 50	8,90	8,21	7,63	7,12	6,67	6,28	5,93	5,62	5,34	5,08	4,85	4,64	4,45	4,27	4,10
51	9,07	8,38	7,78	7,26	6,81	6,40	6,05	5,73	5,44	5,18	4,95	4,73	4,54	4,35	4,19
26 o 52	9,25	8,54	7,93	7,40	6,94	6,53	6,17	5,84	5,55	5,29	5,04	4,83	4,62	4,44	4,27
53	9,43	8,70	8,08	7,54	7,07	6,66	6,29	5,95	5,66	5,39	5,14	4,92	4,71	4,52	4,35
27 o 54	9,61	8,87	8,23	7,69	7,20	6,78	6,40	6,07	5,76	5,49	5,24	5,01	4,80	4,61	4,43
55	9,79	9,03	8,38	7,81	7,31	6,87	6,49	6,16	5,83	5,59	5,33	5,10	4,89	4,69	4,51
28 o 56	9,97	9,20	8,54	7,97	7,47	7,03	6,64	6,29	5,98	5,69	5,43	5,20	4,98	4,78	4,60

GEAR TABLE 27" WHEELS

	36	38	40	42	44	45	46	47	48	49	50	51	52	54
12	81.0	85.5	90.0	94.5	99.0	101.2	103.5	105.0	108.0	110.3	112.5	114.7	117.0	121.5
13	74.7	78.9	83.1	87.2	91.4	93.4	95.5	97.6	99.7	101.8	103.8	105.9	108.0	112.1
14	69.4	73.3	77.1	81.0	84.8	86.7	88.7	90.6	92.6	94.5	96.4	98.3	100.3	104.1
15	64.8	68.4	72.0	75.6	79.2	80.9	82.8	84.6	86.4	88.2	90.0	91.8	93.6	97.2
16	60.8	64.1	67.5	70.9	74.2	76.0	77.6	79.3	81.0	82.7	84.4	86.1	87.7	91.1
17	57.2	60.3	63.5	66.7	69.9	71.5	73.0	74.6	76.2	77.8	79.4	81.0	82.6	85.7
18	54.0	57.0	60.0	63.0	66.0	67.5	69.0	70.5	72.0	73.5	75.0	76.5	78.0	81.0
19	51.2	54.0	56.8	59.7	62.5	64.0	65.4	66.8	68.2	69.6	71.0	72.5	73.9	76.7
20	48.6	51.3	54.0	56.7	59.4	60.8	62.1	63.4	64.8	66.1	67.5	68.8	70.2	72.9
21	46.3	48.9	51.4	54.0	56.6	57.9	59.1	60.4	61.7	63.0	64.3	65.5	66.8	69.4
22	44.2	46.6	49.1	51.5	54.0	55.2	56.4	57.7	58.9	60.1	61.4	62.6	63.8	66.2
23	42.3	44.6	47.0	49.3	51.6	52.8	54.0	55.2	56.3	57.5	58.7	59.9	61.0	63.4
24	40.5	42.7	45.0	47.2	49.5	50.7	51.7	52.9	54.0	55.1	56.2	57.3	58.5	60.7
25	38.9	41.1	43.2	45.4	47.5	48.6	49.7	50.8	51.8	52.9	54.0	55.1	56.2	58.3
26	37.4	39.5	41.5	43.6	45.7	46.7	47.8	48.8	49.8	50.9	51.9	53.7	54.0	56.1

GEAR RATIOS NOT SHOWN ABOVE MAY BE CALCULATED AS FOLLOWS

$$\text{GEAR} = \frac{\text{Number of teeth on C/ring}}{\text{Number of teeth on Sprocket}} \times \text{Diameter of rear wheel in inches}$$

ARTHUR ERNEST KEIN