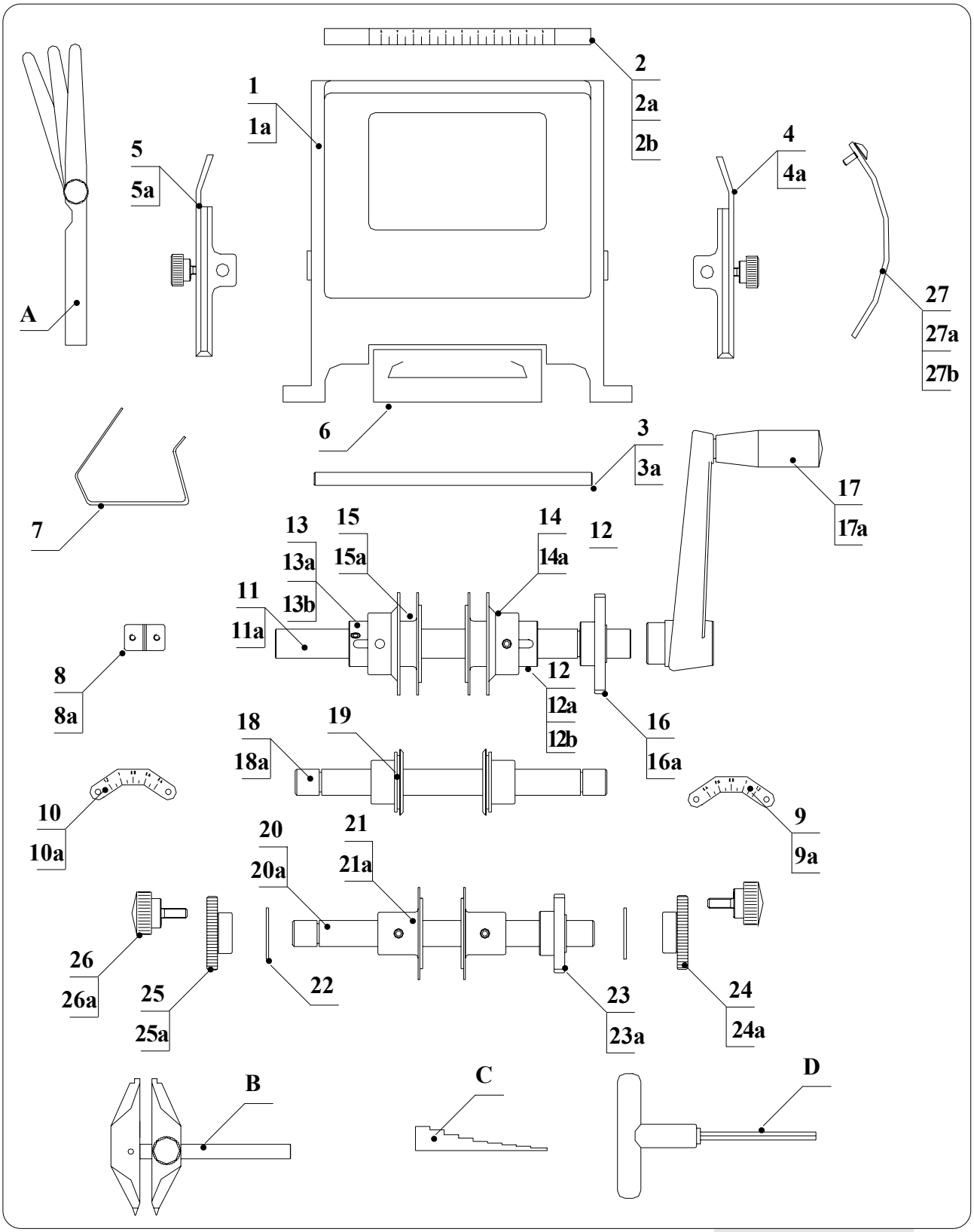
11 - SPARE PARTS

11.1 WARNING FOR THE CUSTOMER

Before ordering any particular spare part, it is always necessary to specify the serial number of the machine to which the part shall fit.

11.2 DETAILED DRAWING OF 20.OL01 TP6/1 MANUAL CUTTING BENDING MACHINE FOR AXIAL COMPONENTS STANDARD VERSION

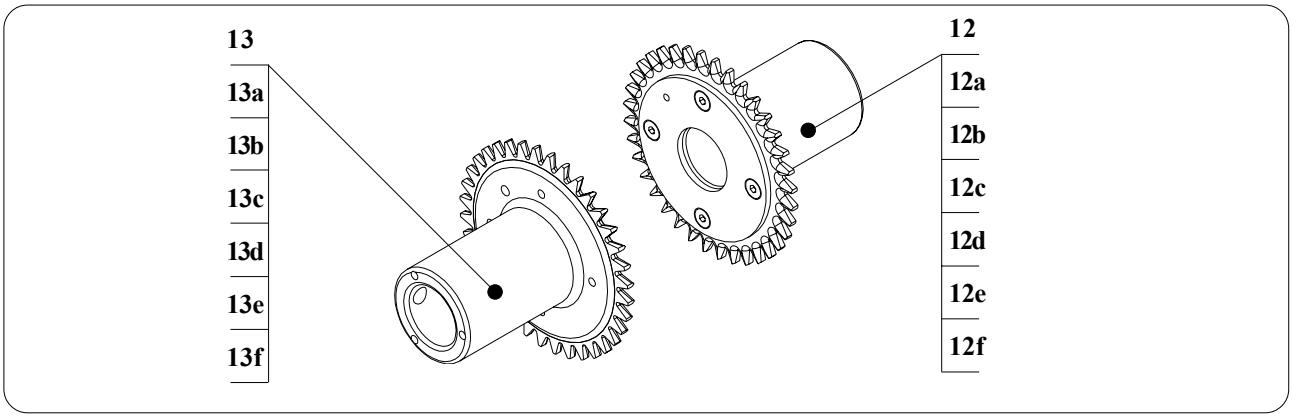


11.2.1 READING KEY FOR DETAILED DRAWING OF 20.OL01 TP6/1 MANUAL CUTTING BENDING MACHINE FOR AXIAL COMPONENTS STANDARD VERSION

POS.	ITEM	DESCRIPTION	Q.TY
1	200101OL	MACHINE'S BODY	1
1A	400111	CENTRAL BUSHING F 18/22/12	2
2	400108	CENTERING SCALE	1
2A	400115	SCREW TS M 3X16	2
2B	950704	BRASS NUT M 3	2
3	400207	GUIDE HOLDING SHAFT	1
3A	750301	SCREW TS M 5X12	1
4	200201	RIGHT TAPE GUIDE	1
4A	400210	KNOB M 5X16	1
5	200202	LEFT TAPE GUIDE	1
5A	400210	KNOB M 5X16	1
6	400801	BLUE PART BIN TYPE C	1
7	400113	COMPONENT UNLOADER	1
8	400112	COMPONENT UNLOADER HOLDER	1
8A	400117	SCREW TC M 4X10	2
9	400102	RIGHT ECCENTRIC SCALE/REF.	1
9A	600050	SCREW TB M 4X6	2
10	400103	LEFT ECCENTRIC SCALE/REF.	1
10A	600050	SCREW TB M 4X6	2
11	400401	MAIN SHAFT	1
11A	400415	RADIAL CLIP RS 15 DIN 6799	1
12	400407	RIGHT INNER TOOTHED DISC	1
12A	400304	SCREW PT M 6X8	1
12B	770055	PARALLEL PIN D. 5X8	1
13	400406	LEFT INNER TOOTHED DISC	1
13A	400304	SCREW PT M 6X8	1
13B	770055	PARALLEL PIN D. 5X8	1
14	200402	RIGHT OUTER TOOTHED DISC	1
14A	400413	SCREW PP M 6X5 UNBRAKO	1
15	200401	LEFT OUTER TOOTHED DISC	1
15A	400413	SCREW PP M 6X5 UNBRAKO	1
16	400303	GEAR Z 39	1
16A	400304	SCREW PT M 6X8	1
17	400301	HANDLE MT 160	1
17A	400305	SCREW PP M 6X10 UNBRAKO	1
18	200501	CUTTING SHAFT	1
18A	400503	RADIAL CLIP RS 12 DIN 6799	2

POS.	ITEM	DESCRIPTION	Q.TY
19	400710	CUTTING WHEEL	2
20	400712	BENDING SHAFT	1
20A	400503	RADIAL CLIP RS 12 DIN 6799	1
21	400702	BENDING WHEEL	2
21A	400304	SCREW PT M 6X8	2
22	420032	THRUST-BLOCK	2
23	400306	GEAR Z31	1
23A	400304	SCREW PT M 6X8	1
24	400703	RIGHT ECCENTRIC	1
24A	400904	BUSHING GLYCODUR TFP Ø16 -Ø18 H 15	1
25	400704	LEFT ECCENTRIC	1
25A	400904	BUSHING GLYCODUR TFP Ø16 -Ø18 H 15	1
26	400501	KNOB M 6X16 (COD 6576)	2
26A	750505	BLUED CHAMFERED WASHER	2
27	400150	COMPLETE SAFETY COVER	1
27A	400110	SAFETY COVER	1
27B	400109	SAFETY COVER PIN	2
		ADJUSTMENT TOOLSET	
A	400805	THICKNESS GAUGE FOR BENDING WHEEL ADJUSTMENT	1
B	200901	CALIPER FOR PITCH ADJUSTMENT FROM Ø 0.5 TO Ø 1	1
C	400802	LEAD LENGTH GAUGE	1
D	400804	ALLEN KEY	1
		20.OL04 Ø 0.6 - 1.4 EXTRA RINFORCED BENDING	
12	400420	RIGHT EXTRA REINFORCED INNER TOOTHED DISC	1
13	400419	LEFT EXTRA REINFORCED INNER TOOTHED DISC	1
21	400711	EXTRA REINFORCED BENDING WHEEL	2
B 1	200906	CALIPER FOR PITCH ADJUSTMENT FROM Ø 1 TO Ø 1.4	
		20.OL06 Ø 0.4 - 0.8 REDUCED BENDING VARIABLE PITCH	
12	400418	RIGHT REDUCED INNER TOOTHED DISC	1
13	400417	LEFT REDUCED INNER TOOTHED DISC	1
21	400706	REDUCED BENDING WHEEL	2
		20.OL07 - 20.OL09 - 20.OL10 Ø 0.4 - 0.6 REDUCED BENDING FIX PITCH	
12	400431	RIGHT EXTRA REDUCED INNER TOOTHED DISC	1
13	400430	LEFT EXTRA REDUCED INNER TOOTHED DISC	1
21	400713	SINGLE BENDING WHEEL FIX PITCH P 5,08 **(20.OL07)**	**1**
21	**400708**	**SINGLE BENDING WHEEL FIX PITCH P 7,62 (20.OL09)**	**1**
21	**400714**	**SINGLE BENDING WHEEL FIX PITCH P 10,16 (20.OL10)**	**1**

PLASTIC TOOTHED DISCS VERSIONS



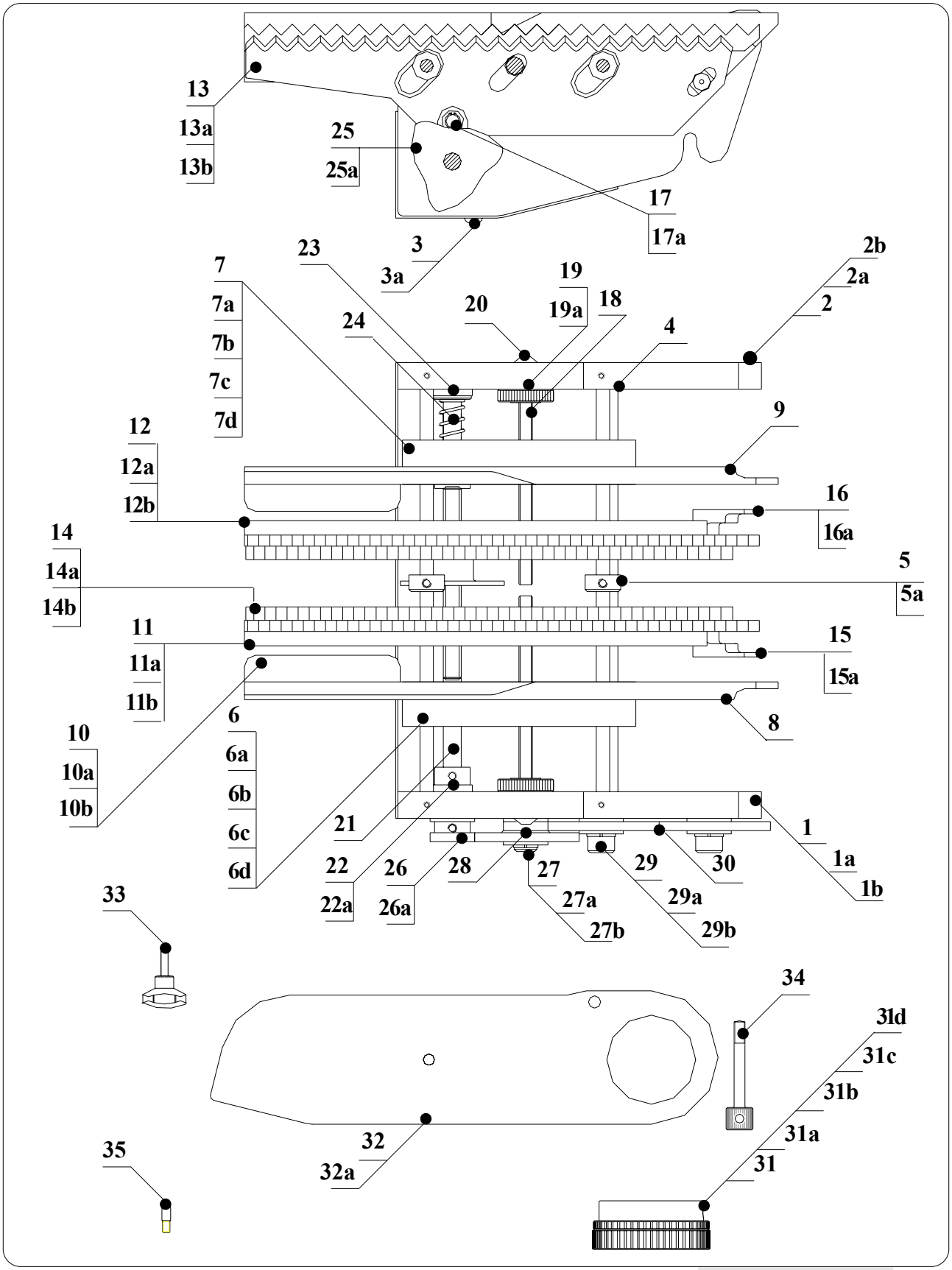
20.OL11 TP6/11 - TP6/1 WITH DELRIN (PLASTIC) TOOTHED DISCS

POS.	*ITEM*	*DESCRIPTION*	*Q.TY*
12	***40040703***	***COMPLETE RIGHT INNER TOOTHED DISC DELRIN***	***1***
12a	40040703A	RIGHT HUB	1
12b	400304	SCREW PT M6X8	1
12c	770055	PARALLEL PIN D. 5X8	1
12d	40040703B	RIGHT TOOTHED DELRIN WHEEL	1
12e	850412	CS SCREW M3X6	4
12f	400433	PARALLEL PIN . D. 3X6	1
13	***40040603***	***COMPLETE LEFT INNER TOOTHED DISC DELRIN***	***1***
13a	40040603A	LEFT HUB	1
13b	400304	SCREW PT M6X8	1
13c	770055	PARALLEL PIN D. 5X8	1
13d	40040603B	LEFT TOOTHED DELRIN WHEEL	1
13e	850412	CS SCREW M3X6	4
13f	400432	PARALLEL PIN . D.2X6	1

20.OL12 TP6/12 - TP6/4 WITH DELRIN (PLASTIC) TOOTHED DISC REINFORCED

12	***40041901***	***COMPLETE RIGHT INNER TOOTHED DISC EXTRA REINFORCED IN DELRIN***	***1***
12a	40041901A	RIGHT HUB FOR EXTRA REINFORCED DELRIN TOOTHED DISC	1
12b	400304	SCREW PT M6X8	1
12c	770055	PARALLEL PIN D. 5X8	1
12d	40041901B	RIGHT TOOTHED DELRIN WHEEL FOR EXTRA REINFORCED TOOTHED DISC	1
12e	850412	CS SCREW M3X6	4
12f	160015	PARALLEL PIN D. 3x8	1
13	***40042002***	***COMPLETE LEFT INNER TOOTHED DISC EXTRA REINFORCED IN DELRIN***	***1***
13a	40042002A	LEFT HUB FOR EXTRA REINFORCED DELRIN TOOTHED DISC	1
13b	400304	SCREW PT M6X8	1
13c	770055	PARALLEL PIN D. 5X8	1
1d	40042002B	LEFT TOOTHED DELRIN WHEEL FOR EXTRA REINFORCED TOOTHED DISC	1
13e	850412	VITE TSEI M3X6 R.10.9	4
13f	400434	PARALLEL PIN D. 2X8	1

11.3 DETAILED DRAWING OF 51.0100 CS10 FEEDER FOR LOOSE COMPONENTS FOR TP6*PR-B*TP6/S* MACHINE

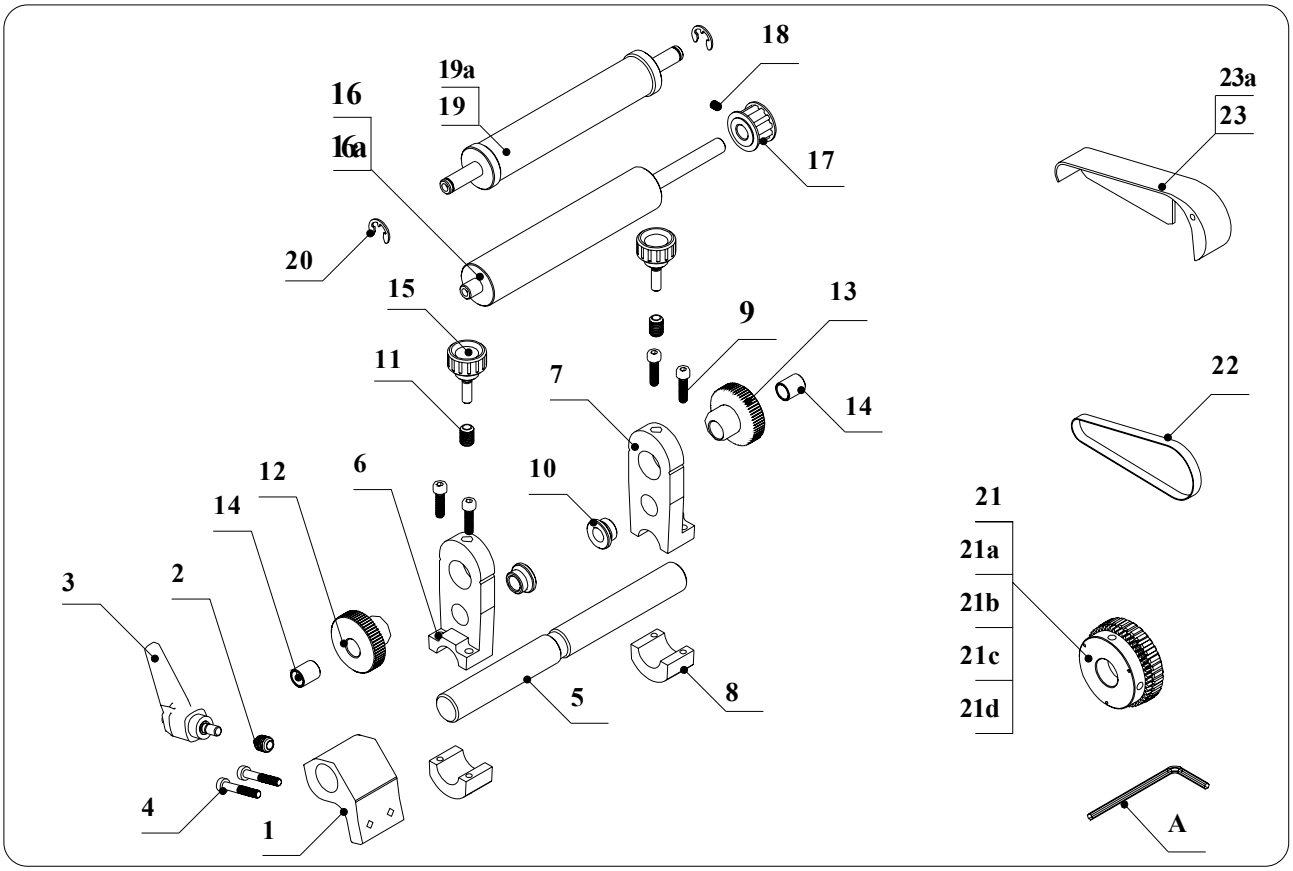


11.3.1 READING KEY FOR DETAILED DRAWING OF 51.0100 CS10 FEEDER FOR LOOSE COMPONENTS FOR TP6*PR-B*TP6/S* MACHINE

POS.	ITEM	DESCRIPTION	Q.TY
1	510001	COMPLETE RIGHT SIDE HOLDER	1
1A	510017	BUSHING F8/14/14 C 3	1
1B	500065	SCREW PCO M 4X5 UNBRAKO	3
2	510015	COMPLETE LEFT SIDE HOLDER	1
2A	510042	COLLARED BUSHING DIN 172	1
2B	500065	SCREW PCO M 4X5 UNBRAKO	3
3	510041	MAIN SHAFT PROTECTION	1
3A	500070	SCREW TBEI M 5X8	2
4	510043	SLIDING SHAFT	2
5	510052	RING	2
5A	510059	SCREW M 4X3	2
6	510018	RIGHT COMPONENT GUIDE BODY	1
6A	510023	SCISSOR SPRING	2
6B	600026	BLUED NUT M 5	2
6C	400017	SCREW TCEI M 4X10 UNBRAKO	1
6D	600027	SCREW TCEI M 4X15 UNBRAKO	1
7	510019	LEFTT COMPONENT GUIDE BODY	1
7A	510023	SCISSOR SPRING	2
7B	600026	BLUED NUT M 5	2
7C	400017	SCREW TCEI M 4X10 UNBRAKO	1
7D	600027	SCREW TCEI M 4X15 UNBRAKO	1
8	510035	RIGHT COMPONENT GUIDE	1
9	510034	LEFT COMPONENT GUIDE	1
10	510020	TAB FOR LOADING AREA	2
10A	600050	SCREW TBEI M 4X6	4
10B	950308	WASHER D4	4
11	510010	RIGHT STATIONARY STAIR	1
11A	500018	WASHER PP M 4X4 UNBRAKO	2
11B	900003	THREADED ENSAT BUSHING M 9/ M 6X12	1
12	510014	LEFT STATIONARY STAIR	1
12A	500018	SCREW PP M 4X4 UNBRAKO	2
12B	900003	THREADED ENSAT BUSHING M 9/ M 6X12	1
13	510011	RIGHT MOVING STAIR	1
13A	510042	COLLARED BUSHING DIN 172	2
13B	510053	NEEDLE BEARING FOR LIFTING PIN SKF HK0609	1
14	510013	LEFT MOVING STAIRS	1
14A	510042	COLLARED BUSHING DIN 172	2
14B	510053	NEEDLE BEARING FOR LIFTING PIN SKF HK0609	1
15	500042	RIGHT MOVING TAB	1
15A	500066	SCREW TC M 5X8 REDUCED UNBRAKO	1

POS.	ITEM	DESCRIPTION	Q.TY
16	500045	LEFT MOVING TAB	1
16A	500066	SCREW TC M 5X8 REDUCED UNBRAKO	1
17	500050	LIFTING PIN	1
17A	500026	STOP CLIP Ø 6	2
18	510008	M6 THREADED SHAFT L/R STAIRS/COMP.LENGTH	2
19	500039	KNURLED WHEEL DIN 467 M 6-A	2
19A	510049	SCREW PCO M 4X8	2
20	510037	NUT M6	2
21	510009	MAIN SHAFT CAM HOLDER	1
22	510033	FIXING RING DIN 705	2
22A	500065	SCREW PCO M 4X5 UNBRAKO	2
23	510038	BREACH WASHER	3
24	510032	SPRING D12210 Ø 8.2 L=29.5	1
25	510012	MOTION CAM	1
25A	850510	SCREW PP M 4X6	2
26	510007	GEAR Z 20 M1	1
26A	500018	SCREW PP M 4X4 UNBRAKO	1
27	510004	PIN FOR FREE GEAR	1
27A	400214	SCREW TSEI M 5X16 UNBRAKO	1
27B	770069	RADIAL CLIP RS 7 DIN 6799	1
28	510006	GEAR Z 48/20 M1	1
29	510003	PIN FOR FREE GEAR	2
29A	400214	SCREW TSEI M 5X16 UNBRAKO	2
29B	510058	RADIAL CLIP RS 9 DIN 6799	2
30	510005	GEAR Z 50 M1	2
31	510002	TOOTHED DISC	1
31A	510056	TOOTHED PULLEY Z33 XL 037	1
31B	400512	SCREW TCEI M 3X12 UNBRAKO	3
31C	510057	GEAR Z50 M120D	1
31D	210119	SCREW PP M 6X12	2
32	510016	SAFETY COVER	1
32A	500070	SCREW TBEI M 5X8	2
33	510040	LEFTT KNOB	1
34	510054	RIGH T KNOB	1
35	510036	CENTERING PIN Ø 6 X H 9	2
		FOR 51.0300 CS30 FEEDER FOR LOOSE COMPONENTS FOR TP6/V	
16	550002	LEFT MOVING TAB	1

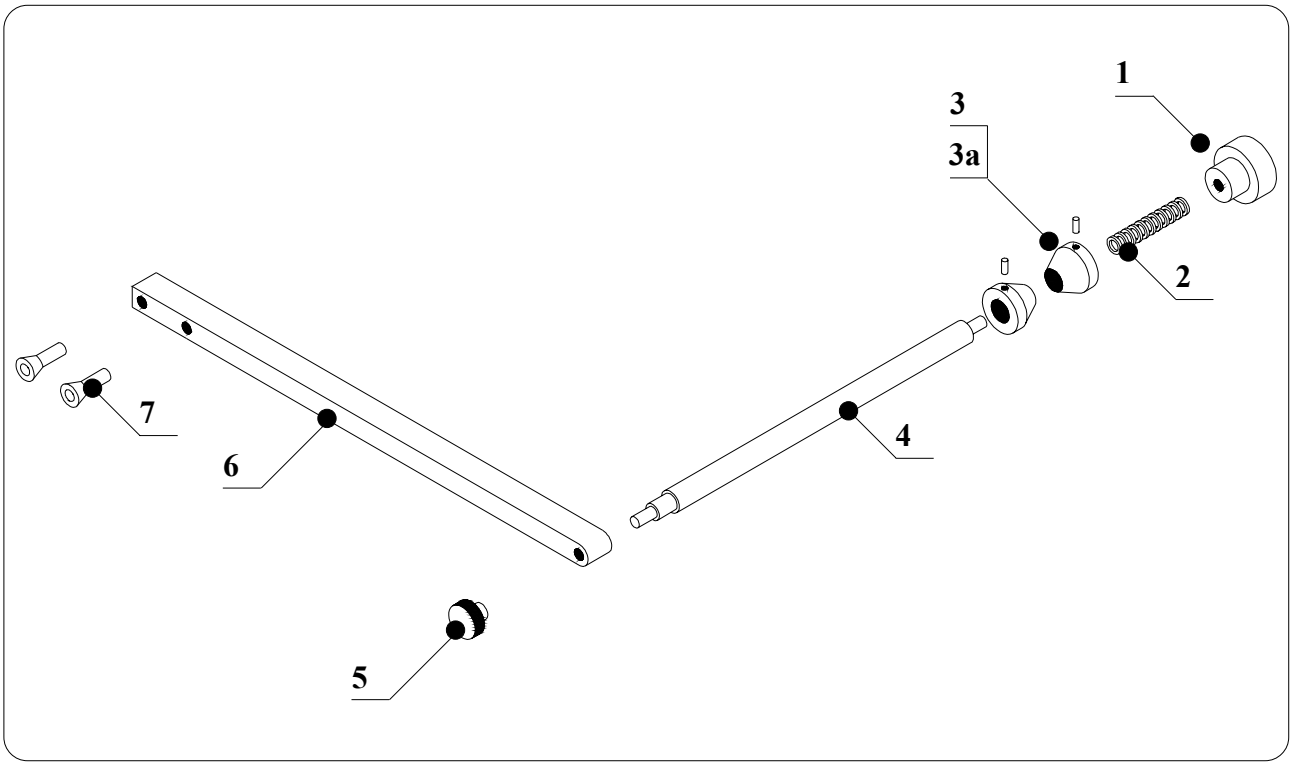
11.4 DETAILED DRAWING OF TNS/11 WASTE TAPE DRAWING ROLL SUITABLE 21.0011



11.4.1 READING KEY FOR DETAILED DRAWING OF TNS/11 WASTE TAPE DRAWING ROLL SUITABLE 21.0011

REF.	*CODE*	*DESCRIPTION*	*Q.TY*
1	210128	HOLDER FOR TNS SHAFT FOR TP6	1
2	740151	SELF LUBRICATING BUSHING M5 M8X1X7	1
3	850408	LOCKING HANDLE MR40P M5X10	1
4	210136	SCREW TCEI M4X25	2
5	210129	TNS HOLDING SHAFT FOR TP6	1
6	210402	LEFT SIDE HOLDING LEVER	1
7	210410	RIGHT SIDE HOLDING LEVER	1
8	210401	FIXING RING FOR SIDE LEVER	2
9	930075	SCREW TCEI M4X20	4
10	210102	BUSHING F08/12/08	2
11	400211	ENSAT BUSHING M5/M8X10	2
12	210407	RIGHT ECCENTRIC	1
13	210408	LEFT ECCENTRIC	1
14	210409	GLYCODUR BUSHING Ø8 Ø10 h12	2
15	400210	KNOB M5X16	2
16	210403	LOWER DRIVING SHAFT	1
16a	210406	LOWER ROLLER	1
17	500010	COMPLETE PULLEY Z11	1
18	500018	SCREW PP M4X4 UNBRAKO	1
19	210404	UPPER SHAFT	1
19a	210405	UPPER ROLLER	1
20	500016	CLIP Ø8	2
21	510002	TOOTHED WHEEL FOR FEEDERS AND TNS	1
21a	510056	TOOTHED PULLEY Z33XL037	1
21b	400512	TCEI SCREW M3X12 UNBRAKO	3
21c	510057	GEAR Z50 M1 FOR CS10-CS30-TNS	1
21d	210119	SCREW PP M6X12	2
22	550007	TOOTHED BELT 140 XL	1
23	210127	COMPLETE COVER FOR TNS FOR TP6	1
23a	210135	SCREW TBEI M5X40	1
A	130080	CHIAVE A BRUGOLA 3mm	1

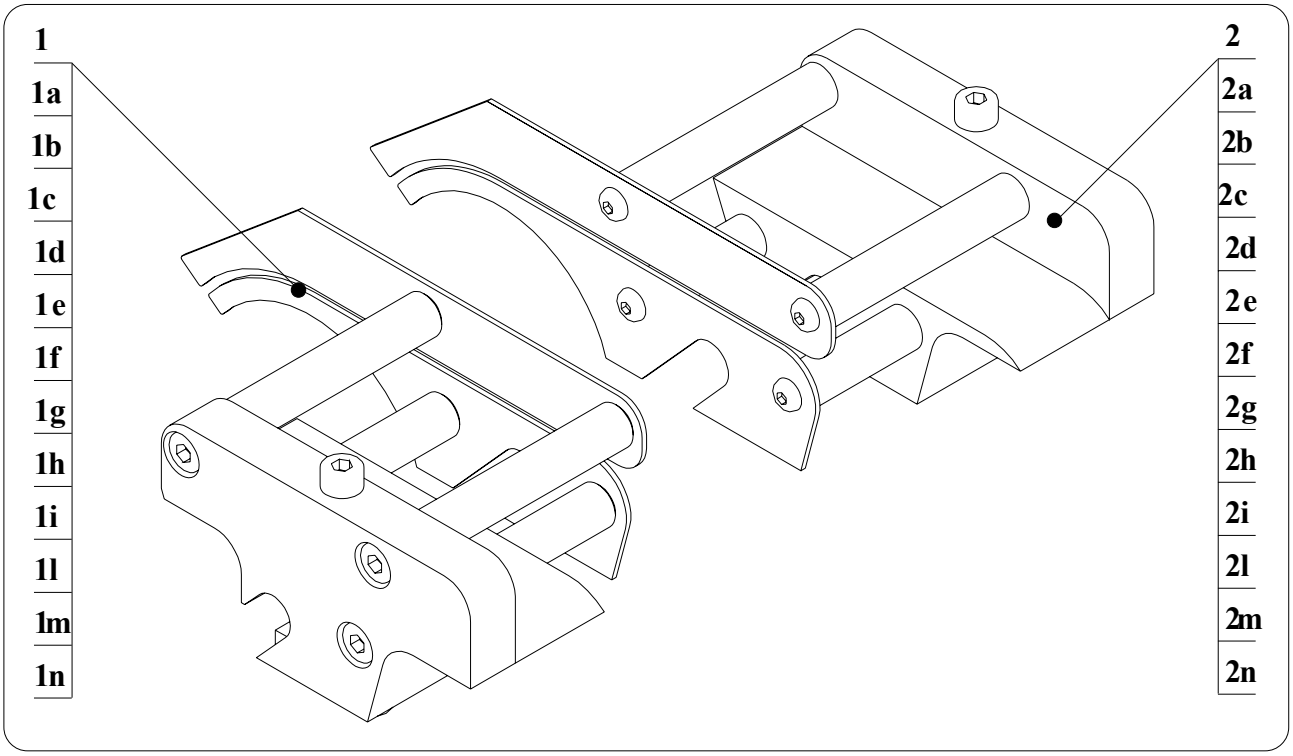
11.5 DETAILED DRAWING OF REEL HOLDER BR6 REEL HOLDER FOR TAPED COMPONENTS CODE 400200



11.5.1 READING KEY FOR DETAILED DRAWING OF BR6 REEL HOLDER FOR TAPED COMPONENTS CODE 400200

POS.	*ITEM*	*DESCRIPTION*	*Q.TY*
1	400206	KNOB M 12	1
2	400204	SPRING	1
3	400203	CENTERING CONE	2
3A	210119	SCREW PP M 6X12	2
4	400201	REEL HOLDER	1
5	400205	KNOB M 8	1
6	400202	BAR FOR REELHOLDER	1
7	400212	SCREW TSEI M 5X20	2

11.6 COMPONENT BODY GUIDE



11.6.1 READING KEY FOR DETAILED DRAWING COMPLETE COMPONENT BODY GUIDE cod. 200240

Pos.	*Item*	*Description*	*Q.ty*
1	***200260***	***LEFT COMPONENT GUIDE ASSEMBLY***	***1***
1a	200209	LEFT LOWER COMPONENTS GUIDE	1
1b	200210	GUIDA COMPONENTI SUPERIORE DX-SX	1
1c	750503INOX	LFT/RGT UPPER COMPONENTS GUIDE	4
1d	200252	UPPER SHAFT COMPONENT BODY GUIDE SUPPORT	2
1e	200253	LOWER SHAFT COMPONENT BODY GUIDE SUPPORT	2
1f	200261	LEFT GUIDE SUPPORT	1
1g	750107	SCREW TCEI M4X12	3
1h	930071	SCREW TCEI M 4X30	1
1i	200211	LOCKING PIN	1
1l	760171	COMPRESSION SPRING 0,8X6,3 H=33 TC5	1
1m	150508	SCREW TCEI M 4X35 UNBRAKO	1
1n	600050	SCREW TBEI M4X6	1
2	***200250***	***RIGHT COMPONENT GUIDE ASSEMBLY***	***1***
2a	200209	LEFT LOWER COMPONENTS GUIDE	1
2b	200210	GUIDA COMPONENTI SUPERIORE DX-SX	1
2c	750503INOX	LFT/RGT UPPER COMPONENTS GUIDE	4
2d	200252	UPPER SHAFT COMPONENT BODY GUIDE SUPPORT	2
2e	200253	LOWER SHAFT COMPONENT BODY GUIDE SUPPORT	2
2f	200251	RIGHT GUIDE SUPPORT	1
2g	750107	SCREW TCEI M4X12	3
2h	930071	SCREW TCEI M 4X30	1
2i	200211	LOCKING PIN	1
2l	760171	COMPRESSION SPRING 0,8X6,3 H=33 TC5	1
2m	150508	SCREW TCEI M 4X35 UNBRAKO	1
2n	600050	SCREW TBEI M4X6	1