

ARM PACKET FOR

CONCRETE DISTRIBUTOR BOOM

AZ-37.4/125

**MANUAL VALIDITY
BOOM AZ-37.4/125
SERIAL N° 4775**



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USEFUL INFORMATIONS FOR THE INSTALLER

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01.0 - IDENTIFICATION DETAILS

CONCRETE BOOM
TYPE: AZ-37.4/125
SERIAL N°: 4775

01.0.1 - BOOM IDENTIFICATION PLATE

The boom identification plate of fig. 1 is located on the turret structure as from pos. 6 of Pag. 8.

		ANTONELLI s.r.l. Via Malpasso,1441/1447 47842 - S. Giovanni in Marignano (RN) Italy Tel. 0541/955258 (4 linee) Fax 0541/957103	
MADE IN ITALY			
BOOM TYPE	SERIAL NUMBER	DATE	
AZ-37.4/125			
HYDRAULIC OPERATING PRESSURE	bar	320	
CONCRETE PIPING ND	mm.		
MAX. HOSE LENGTH	m.		
ExxonMobil	HYDRAULIC SYSTEM WITH OIL	Esso Univis N 46 Mobil DTE 15 M	
		<small>Cod. 121059 DIS.01029612</small>	

Fig.1

01.0.2 - PUNCHING OF BOOM

The manufacturer's name and the boom serial number are stamped near the boom identification plate on the edge of the base bearing support and on the upper steel sheet of the 1st section.

*** A 4775 ***

MANUFACTURER'S NAME

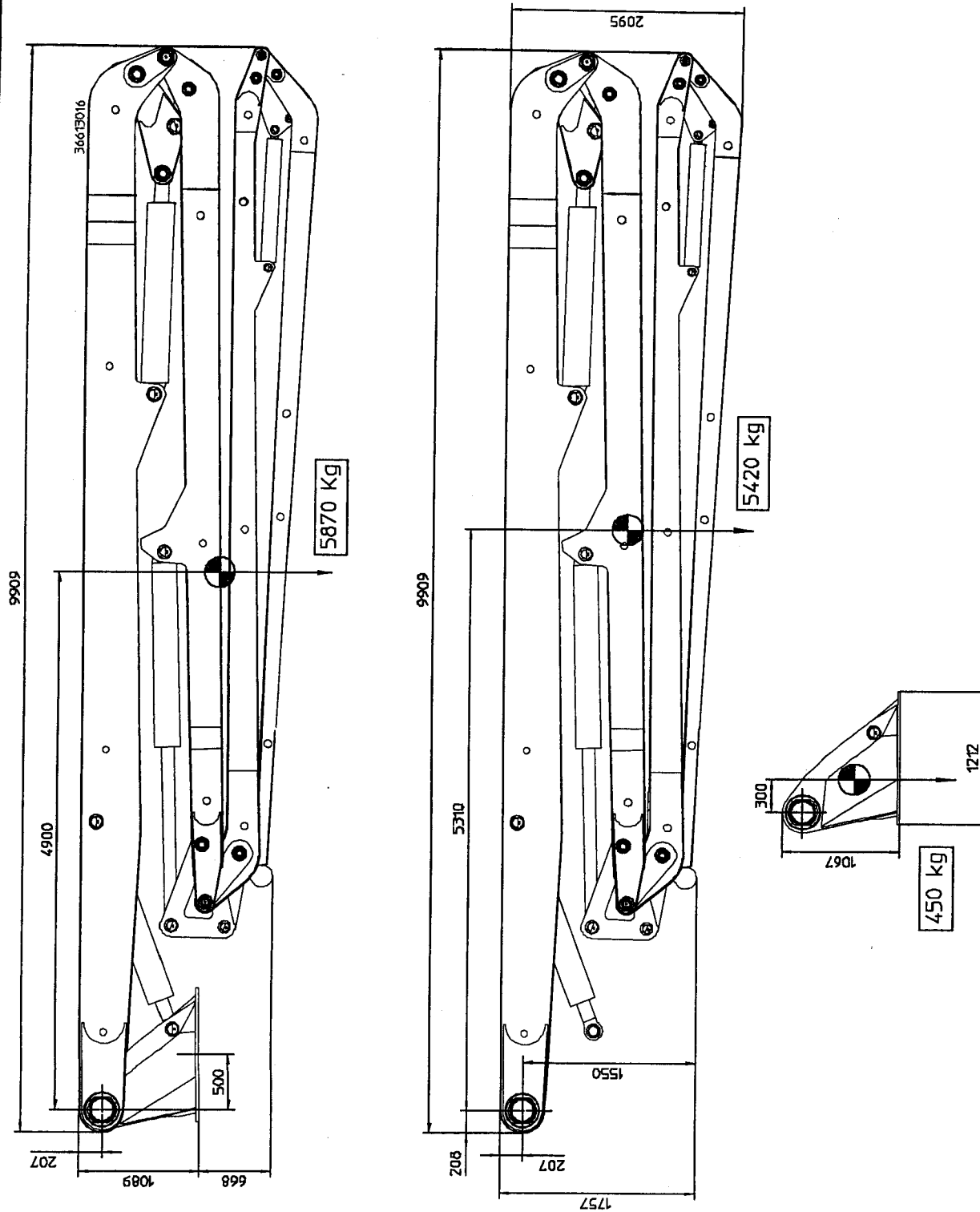
BOOM SERIAL NUMBER



DESCRIPTION
AZ-37.4/125

02

01.1 - OVERALL VIEW OF THE MACHINE, DIMENSIONS AND WEIGHTS



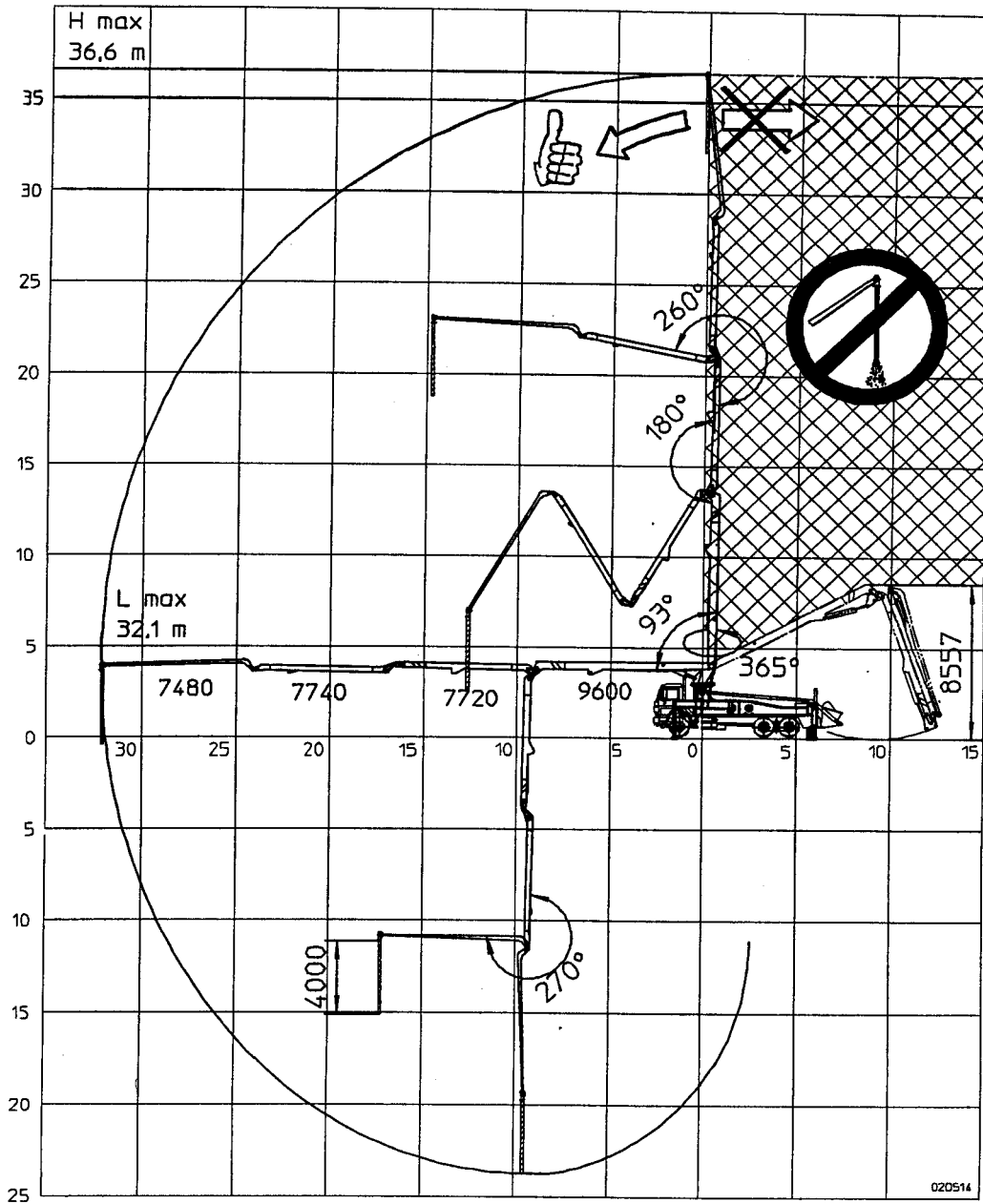
01.2 - BOOM OPENING AREA

The figure below shows the boom opening area.

The need for large opening angles (so as to be able to work close to the turret) does not mean it is possible to work with the terminal pipe in all reachable positions.

WARNING!

It is forbidden to work with the end section of the pipe further back than the head rotation vertical axis.



020514



02.1 - SAFETY INSPECTION

THE CONCRETE DISTRIBUTOR BOOMS, INCLUDING PIPING, MUST BE CHECKED AFTER 500 HOURS AND AT ONCE A YEAR BY AN EXPERT TO ENSURE THEY ARE WORKING CORRECTLY

02.2 - IMPROPER USE

IT IS FORBIDDEN:

- To use the machine for work different from that for which it was designed and built.
- To modify or remove any safety and accident-prevention devices such as warning plates, guards, seals, lead seals, etc.
- To extend the boom or end section.
- To alter the set pressure in any part of the system.
- To perform jerky movements, or sharply reverse the direction of the boom, especially in a continuous manner as this could cause dangerous swinging.
- To install a concrete pipe of greater diameter or of heavier weight.
- To use the boom as an elevator.
- To make structural changes to boom sections (Sections, head, turret, stabilizers).
- To modify software management programmes.
- To make changes to the hydraulic cylinders or rotation system.
- To make changes to the distributor and various controls.
- Not to carry out recommended maintenance, especially safety inspections.
- To work in the presence of electric storms.
- To work near power lines (see point 03.1.7)
- To operate the stabilizers when persons are standing in their range of action and with the boom not completely closed.
- To use the boom when persons are standing in the danger area.
- To start pumping when persons are standing near the end pipe, i.e., within a radius delimited by its length.
- To pump the concrete with the end pipe bent or emerged in the concrete.
- To use or leave the boom open when wind is blowing at over 60 km/h.
- To open the boom when the vehicle is not correctly stabilized.
- To use the boom outside the recommended temperature range (-20÷40°C).
- To leave the ignition key in the control panel after work and the diesel engine running.
- To work with the end pipe further back than the vertical axis passing through the head (boom turned backwards).

WARNING!



Failure to comply with the above will invalidate the warranty with declination of all responsibility on the part of Antonelli.

WARNING!



Improper use could damage the machine and create dangerous situations for persons.

02.3 - PRESCRIPTIONS FOR MAKING THE CONCRETE DELIVERY LINE

- MAX INNER DIAMETER OF THE PIPE 125 mm
- MAX WEIGHT OF THE PIPE 12,8 Kg/m
- MAX INNER DIAMETER OF THE HOSE 125 mm
- MAX LENGHT OF THE HOSE 4m

03.6 - TABLE OF PRESSURES AND MANOEUVRE TIMES

When the boom is fitted on the vehicle, a final test will have to be performed to check pressures and manoeuvre times of each boom section. The above test must be performed using hot oil (oil temp.: 50°C) and with the hydraulic pump operating at full speed. The maximum pressures shown must correspond to the values indicated in the following tables with a tolerance equal to $\pm 2\%$. The manoeuvre times shown must correspond to the values indicated in the following tables with a tolerance equal to $\pm 15\%$; in the event of the values being below 15%, it is necessary to check if the flow capacity of the hydraulic pump of the distributor sections and the throttles inside the check valves correspond with the values shown on the table. Action will have to be taken if the maximum pressure and manoeuvre times at top speed are outside tolerance limits.

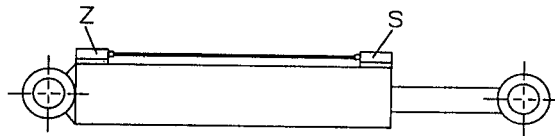
WARNING!

The boom should never be operated at pressures or at speeds higher than those set out in the beginning by Antonelli s.r.l and quoted below.

SYSTEM FEATURES AND SWIVEL SETTING PRESSURES

TAB.1:

DESCRIPTION	PRESSURE (BAR)
Swivel	120
Hydraulic distributor max. inlet pressure	330
Hydraulic distributor max. outlet pressure	10
Pressure max pump Load Sensing	60/1'
Max. hydrostatic pump flow rate	



SETTING PRESSURES OF BOOM VALVES AND DISTRIBUTOR SECTIONS

TAB. 2:

BOOM HYDR. CYLINDER POS.	ARTIC. A		ARTIC. B		ARTIC. C		ARTIC. D		ARTIC. E	
CHECK VALVE POSITION	Z	S	Z	S	Z	S	Z	S	Z	S
Check valve throat d. (mm)	2	/	/	/	/	/	/	/	/	/
Check valve pressures (bar)	340*	310*	280*	340*	310*	340*	310*	340*		
Pressures of distributor sect. (bar)	330	310	280	330	300	300	290	330	/	/

* valves adjusted on bench when they start to open and without counterpressure at the discharge

MANOEUVRE TIMES

TAB.4 - BOOM:

BOOM SECTIONS	Section Artic. A		Section Artic. B		Section Artic. C		Section Artic. D		Section Artic. E		Right Swivel 1 Rev.	Left Swivel 1 Rev.
	Open.	Clos.	Open.	Clos.	Open.	Clos.	Open.	Clos.	Open.	Clos.		
TIME (sec.)	90	90	110	110	110	110	60	60	/	/	160	160



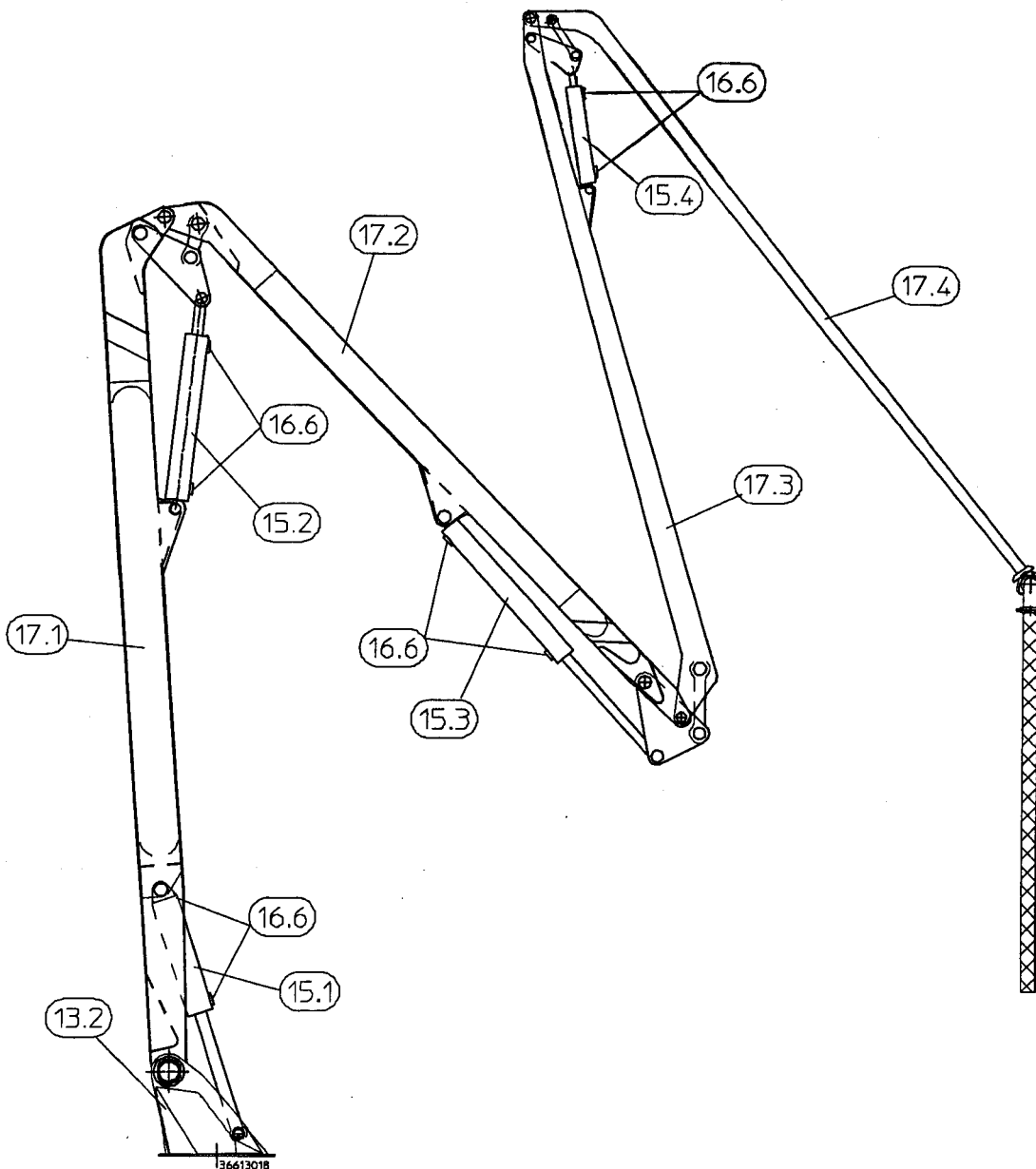
04.1 - TROUBLESHOOTING OF THE ARM PACKET

Despite the boom being carefully tested for hours, by simulating operating conditions, a number of faults can occur, mainly due to the presence of impurities in the hydraulic circuit or power contact problems.

PROBLEM	CAUSE	REMEDY
A single boom function fails to respond to the manual distributor	- Clogged restrictor. This restrictor is fitted in the valve applied to the cylinder on the oil drain-off side	Clean the restrictor with the boom closed.
A section of the arm drops despite not being activated.	- Non-return valve dirty	- Clean the valve at hydr. cylinder. Such operation must be done by an engineer. Set the valve after cleaning. The pressure to be set is printed on the valve body. - If this does not solve the problem, replace the valve.
The boom moves in jerks and/or irregularly.	- Air in the hydraulic circuit. - Insufficient fluid in circuit	- Check level of oil in sump. Increase the rpm of the hydraulic pump.
Noises in kinematic mechanisms	- Lack of or poor lubrication - Friction in concrete curve articulated joints	- Lubricate as indicated at chapter 07.1 of manual. - Dismantle coupling and, lubricate and replace gasket.

10.1 - GLOSSARY OF COMPONENTS

- 13.2 - REVOLVING HEAD
- 15.1 - HYDR. CYLINDER (1ST BOOM OP.)
- 15.2 - HYDR. CYLINDER (2ND BOOM OP.)
- 15.3 - HYDR. CYLINDER (3RD BOOM OP.)
- 15.4 - HYDR. CYLINDER (4TH BOOM OP.)
- 16.6 - CHECK VALVE OF HYDRAULIC CYL.
- 17.1 - 1st BOOM SECTION
- 17.2 - 2nd BOOM SECTION
- 17.3 - 3rd BOOM SECTION
- 17.4 - 4th BOOM SECTION



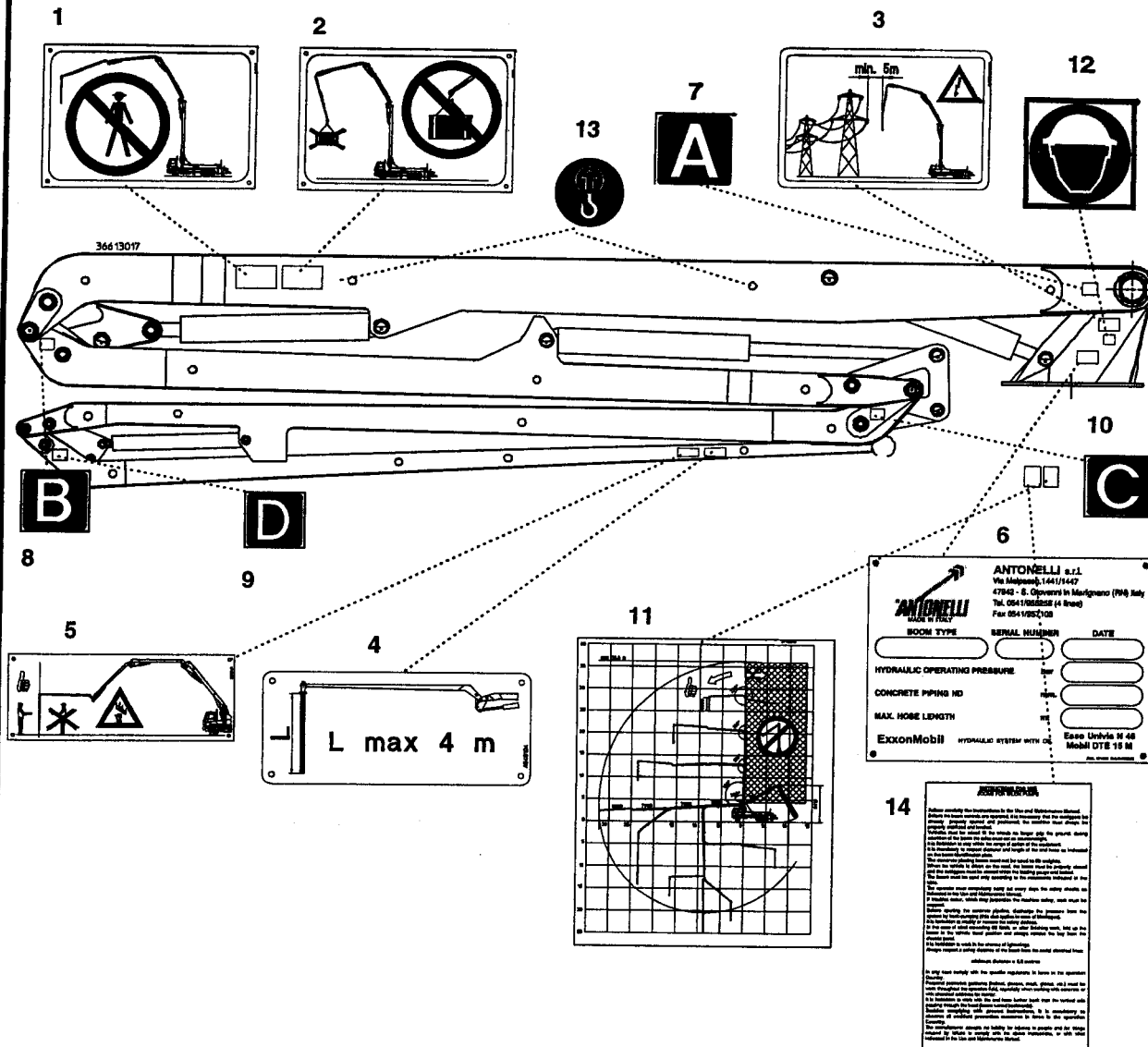



DESCRIPTION
AZ-37.4/125

11

11.1 - POSITION OF IDENTIFICATION DETAILS AND SIGNPLATES

The identification plates 6 and 11 are supplied dismantled.
The manufacturer's name and boom serial number are stamped on the edge of the base bearing support.
The remaining signplates are located on both sides of the machine (excluding positions 6 and 11).



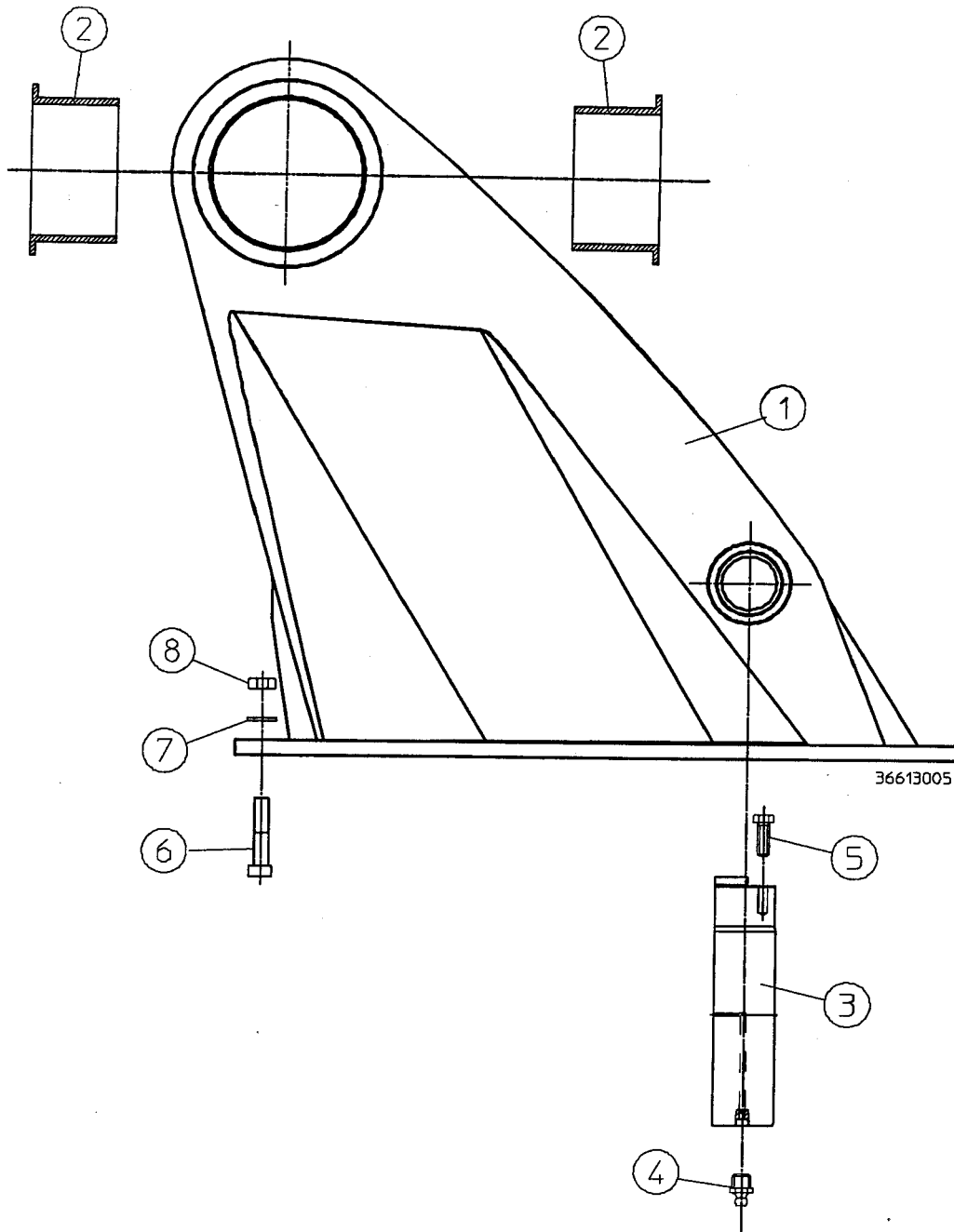
WARNING! 

Every 6 months check the condition (wear and readability) of all the instruction plates fitted to the machine.



SWIVEL HEAD
AZ-37.4/125

13.2
CODE 285537



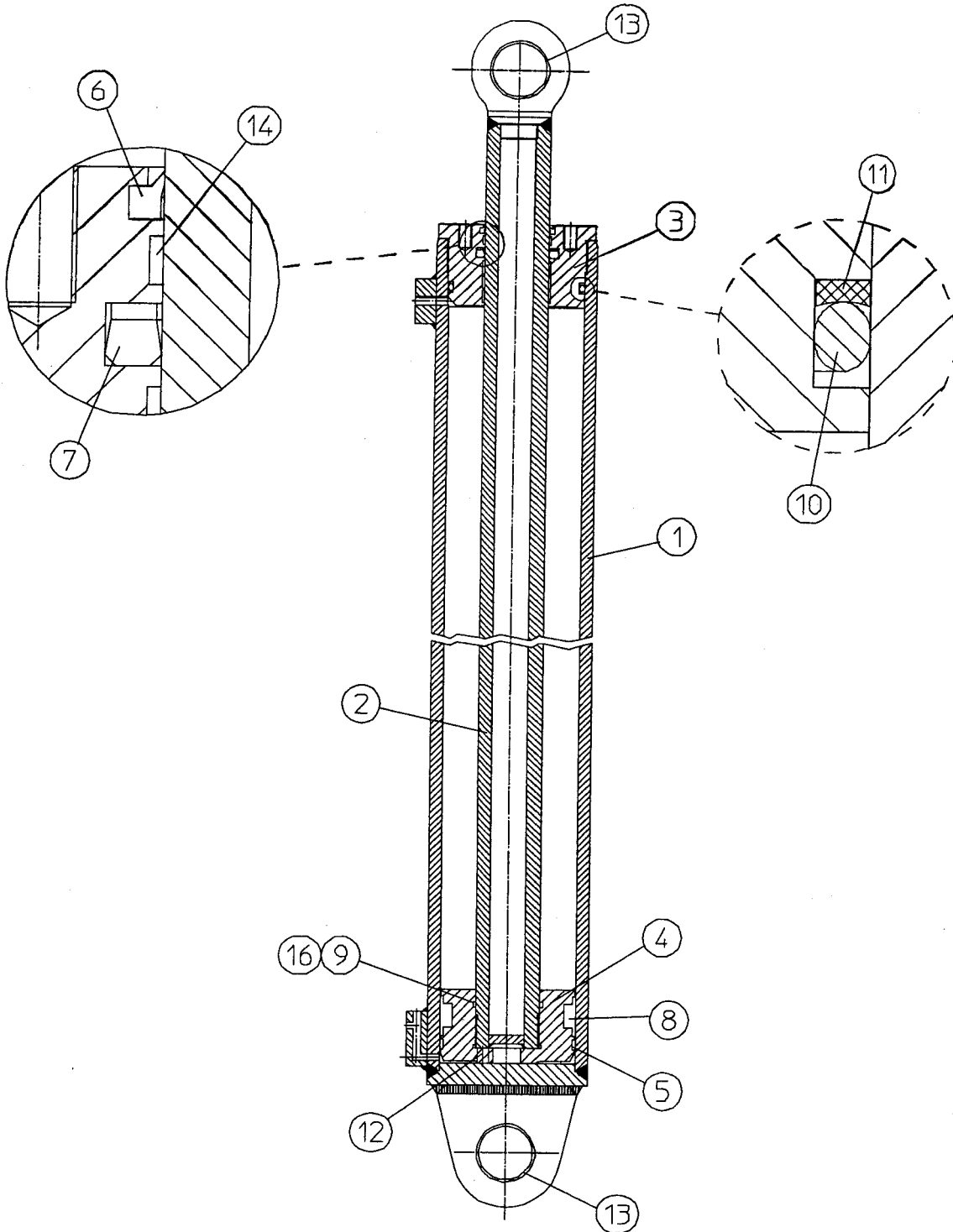
WARNING!
Before dismantling the head and the base bearing, mark the position to ensure correct re-assembly.



HYDRAULIC CYLINDER P-265/A
AZ-37.4/125

15.1

CODE 43124





HYDRAULIC CYLINDER P-265/A
AZ-37.4/125

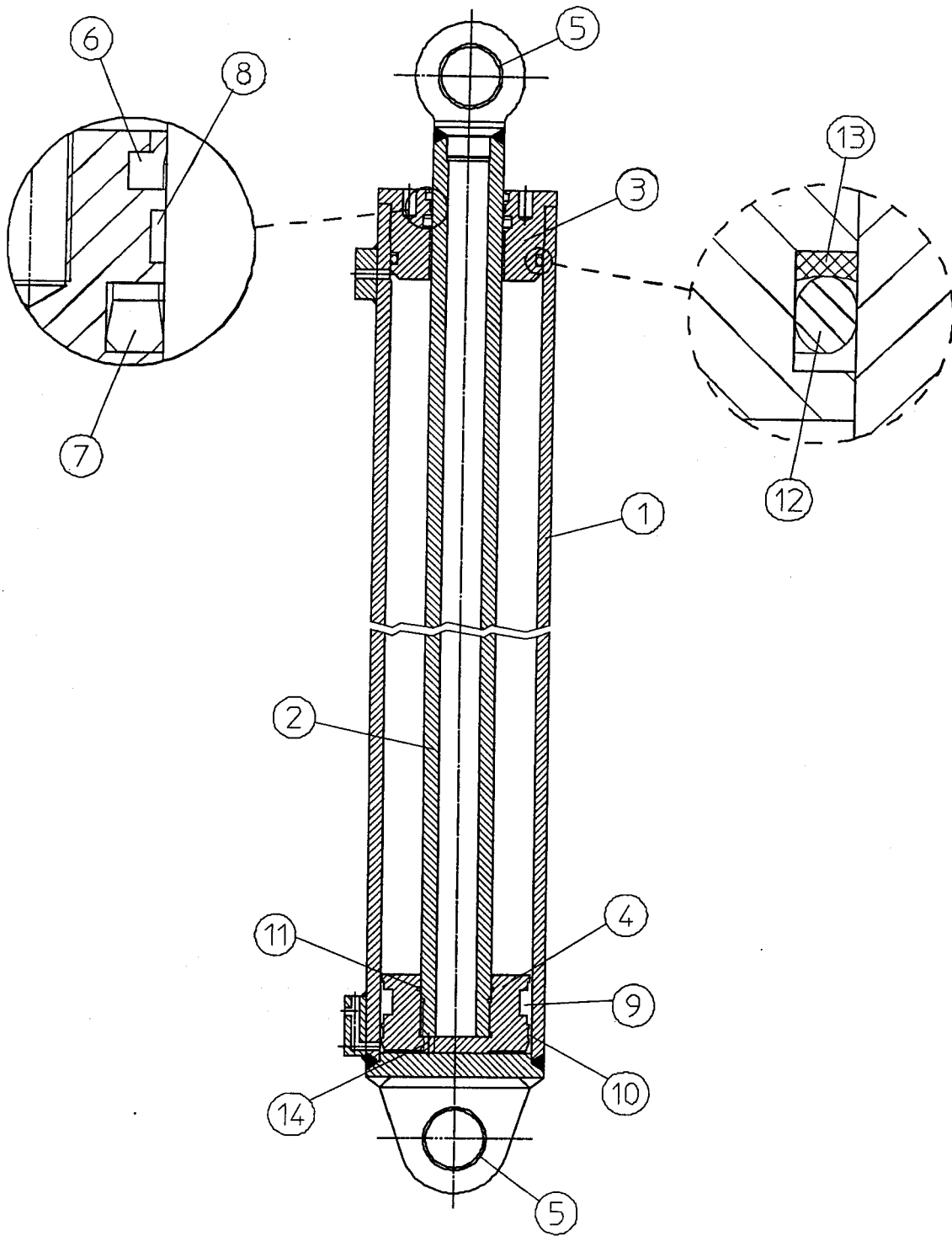
15.1

P	CODE	Q	DESCRIZIONE	DESCRIPTION	DIMENSIONS/STANDARDS
	43124	1	Cilindro idraulico P-265/A	Hydr. cylinder P-265/A	
1		1	Cilindro	Cylinder	
2		1	Stelo	Rod	
3		1	Testina anteriore	Front head	
4		1	Stantuffo	Piston	
5		1	Anello	Ring	E/GT 210/205X15 102A
6		1	Guarnizione	Gasket	WRM 472519
7		1	Guarnizione	Gasket	B 551472/NEI
8		1	Guarnizione	Gasket	DBM 826728
9		1	Guarnizione	Gasket	OR-245
10		1	Guarnizione	Gasket	OR-444
11		1	Guarnizione	Gasket	PARBAK 8-444
12		1	Vite	Screw	STCE M12X20 UNI 5927
13	20561	2	Boccola	Bushing	BR MB 9060 DU
14		3	Anello	Ring	I/GT 120/125x15 102A
15		1	Anello	Ring	I/GT 120/125x9,7 102A
16		2	Guarnizione	Gasket	BRS 245
	1968	1	Kit Guarnizioni	Gasket set	



HYDRAULIC CYLINDER P-261/A
AZ-37.4/125

15.2
CODE 43163





HYDRAULIC CYLINDER P-261/A
AZ-37.4/125

15.2

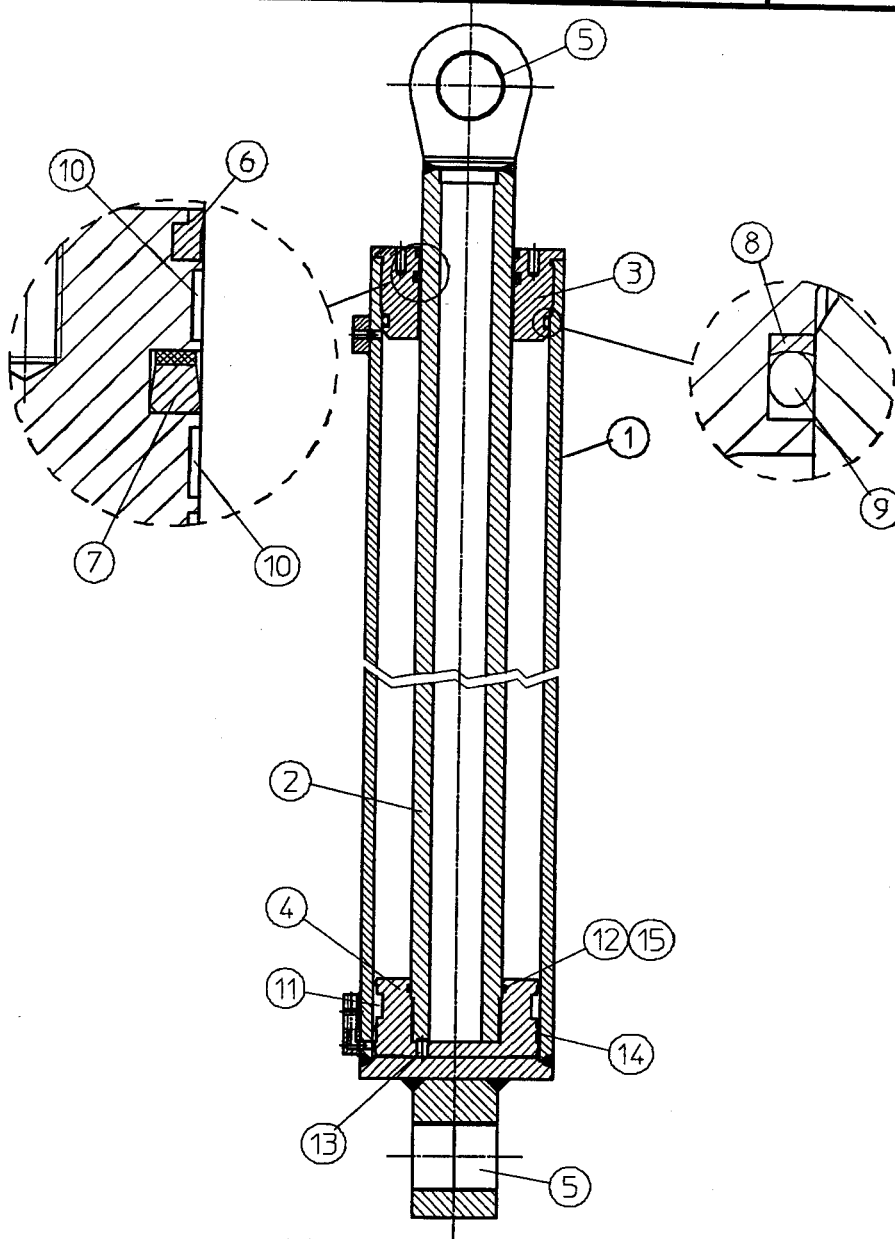
P	CODE	Q	DESCRIZIONE	DESCRIPTION	DIMENSIONS/STANDARDS
	43163	1	Cilindro idraul. P-261/A	Hydr. cylinder P-261/A	
1		1	Cilindro	Cylinder	
2		1	Stelo	Rod	
3		1	Testa cilindro	Front head	
4		1	Stantuffo	Piston	
5	20561	4	Bronzina	Bronze bushing	BR MB 9060 DU
6		1	Guarnizione	Gasket	842-4580800
7		1	Guarnizione	Gasket	B 531472/NEI
8		5	Anello	Ring	I/GT 120/125x15 102A
9		1	Guarnizione	Gasket	DBM 826728
10		1	Anello	Ring	E/GT 210/205x15 102A
11		1	Guarnizione	Gasket	OR-245
12		1	Guarnizione	Gasket	OR-444
13		1	Guarnizione	Gasket	PARBAK 8-444
14		1	Vite	Screw	STCE M12X20 UNI 5927
	2009	1	Kit Guarnizioni	Gasket set	



HYDRAULIC CYLINDER P-273/A
AZ-37.4/125

15.3

CODE 43133





HYDRAULIC CYLINDER P-273/A
AZ-37.4/125

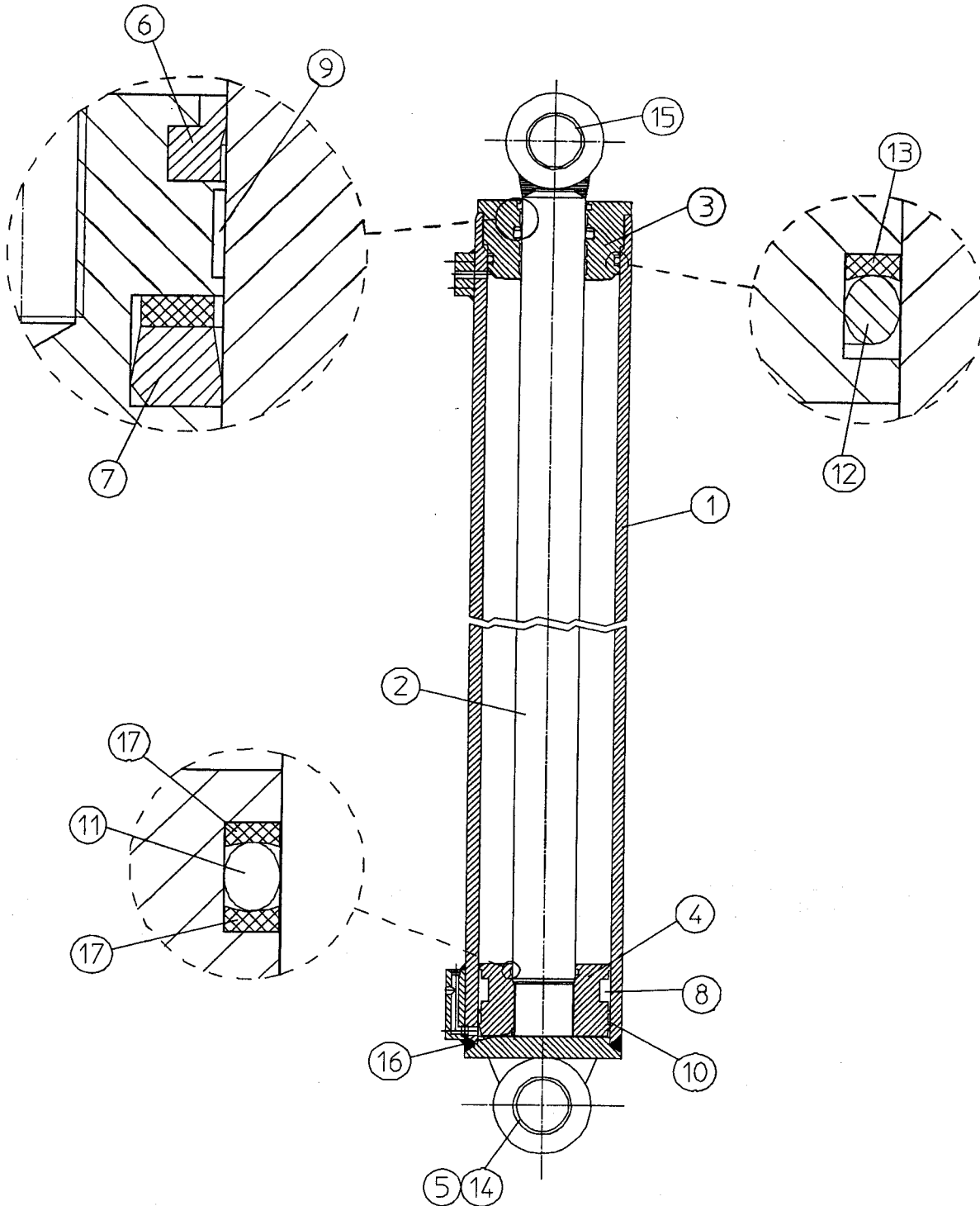
15.3

P	CODE	Q	DESCRIZIONE	DESCRIPTION	DIMENSIONS/STANDARDS
	43133	1	Cilindro idraulico P-273/A	Hydr. cylinder P-273/A	
1		1	Cilindro	Cylinder	
2		1	Stelo	Rod	
3		1	Testa cilindro	Cylinder head	
4		1	Stantuffo	Piston	
5	20540	4	Boccola	Bushing	MB 8060 DU
6		1	Guarnizione	Gasket	WRM 433480
7		1	Guarnizione	Gasket	B 531433/NEI
8		1	Guarnizione	Gasket	BRS 882
9		1	Guarnizione	Gasket	OR 882
10		5	Guarnizione	Gasket	I/GT 110/115x15 102A
11		1	Guarnizione	Gasket	DBM 787688
12		1	Guarnizione	Gasket	OR 245
13		1	Vite	Screw	STCE M 12X20 UNI 5925
14		1	Guarnizione	Gasket	E/GT 200/195x15 102A
15		2	Guarnizione	Gasket	BRS 245
	1957	1	Kit Guarnizioni	Gasket Kit	



HYDRAULIC CYLINDER P-214/B
AZ-37.4/125

15.4
CODE 43162





HYDRAULIC CYLINDER P-214/B
AZ-37.4/125

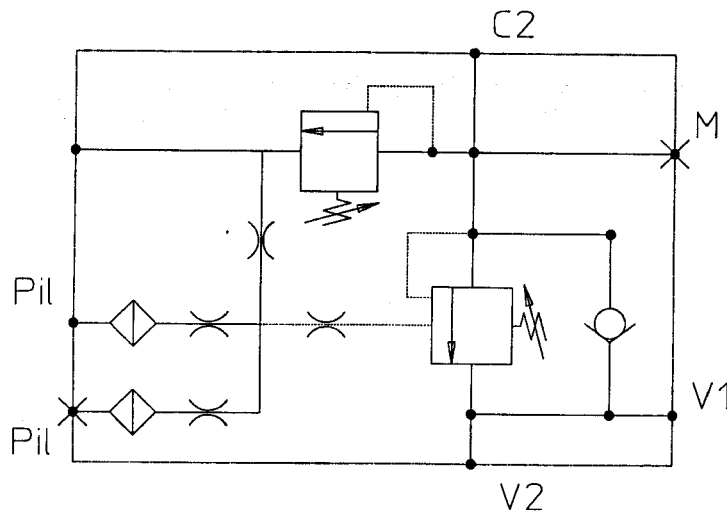
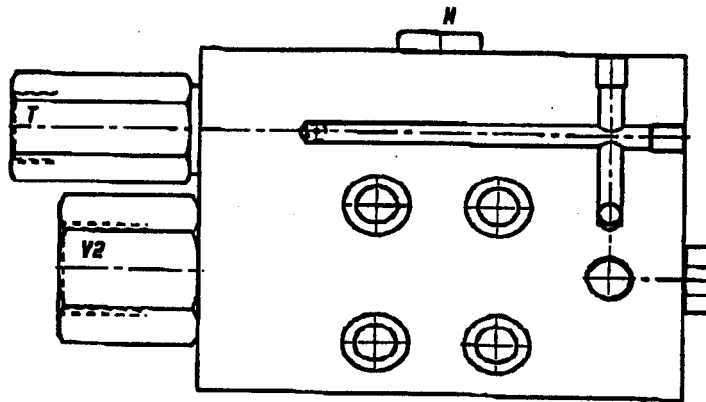
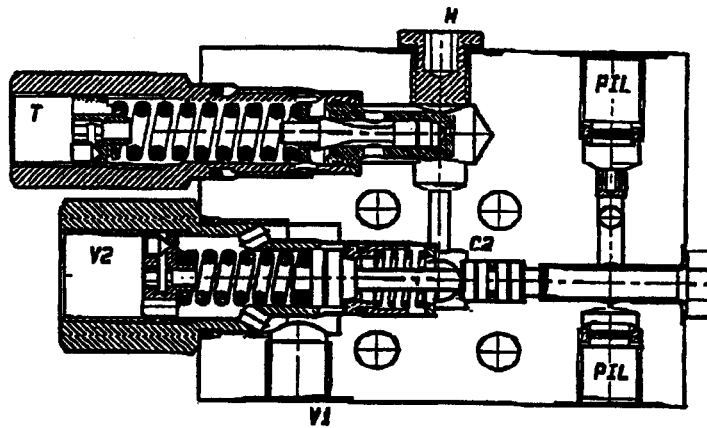
15.4

P	CODE	Q	DESCRIZIONE	DESCRIPTION	DIMENSIONS/STANDARDS
	43162	1	Cilindro idraulico P-214/B	Hydraulic cylinder P-214/B	
1		1	Cilindro	Cylinder	
2		1	Stelo	Rod	
3		1	Testina anteriore	Front head	
4		1	Stantuffo	Piston	
5		1	Distanziale	Spacer	
6		1	Guarnizione	Gasket	842-4739300
7		1	Guarnizione	Gasket	B 283236/NEI
8		1	Guarnizione	Gasket	DBM 452354
9		3	Anello	Ring	I/GT 60/65x15-102A
10		1	Anello	Ring	E/GT 115/110x15 - 102A
11		1	Guarnizione	Gasket	OR-229
12		1	Guarnizione	Gasket	OR-346
13		1	Guarnizione	Gasket	Parbak 8-346
14	20521	2	Boccola	Bushing	DU 50/40
15	20571	2	Boccola	Bushing	DU 50/30
16		1	Vite	Screw	STCE M6x8 UNI 5923
17		2	Guarnizione	Gasket	BRS 229
	2005	1	Kit guarnizioni	Kit gaskets	



BOOM HYDRAULIC CYLINDER
CHECK VALVE U/97
AZ-37.4/125

16.6
CODE 180214

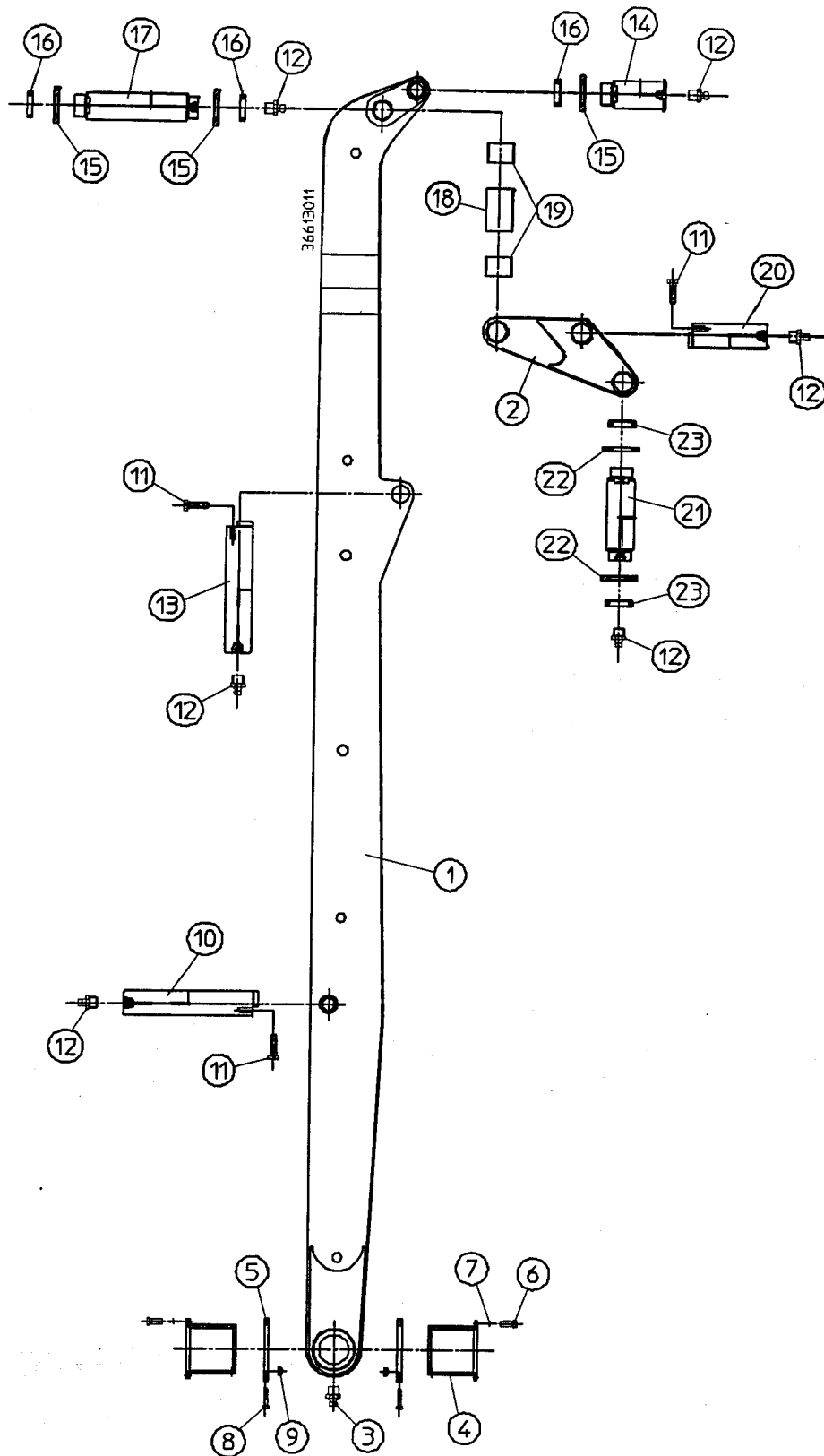




FIRST BOOM SECTION
AZ-37.4/125

17.1

CODE 285849





FIRST BOOM SECTION
AZ-37.4/125

17.1

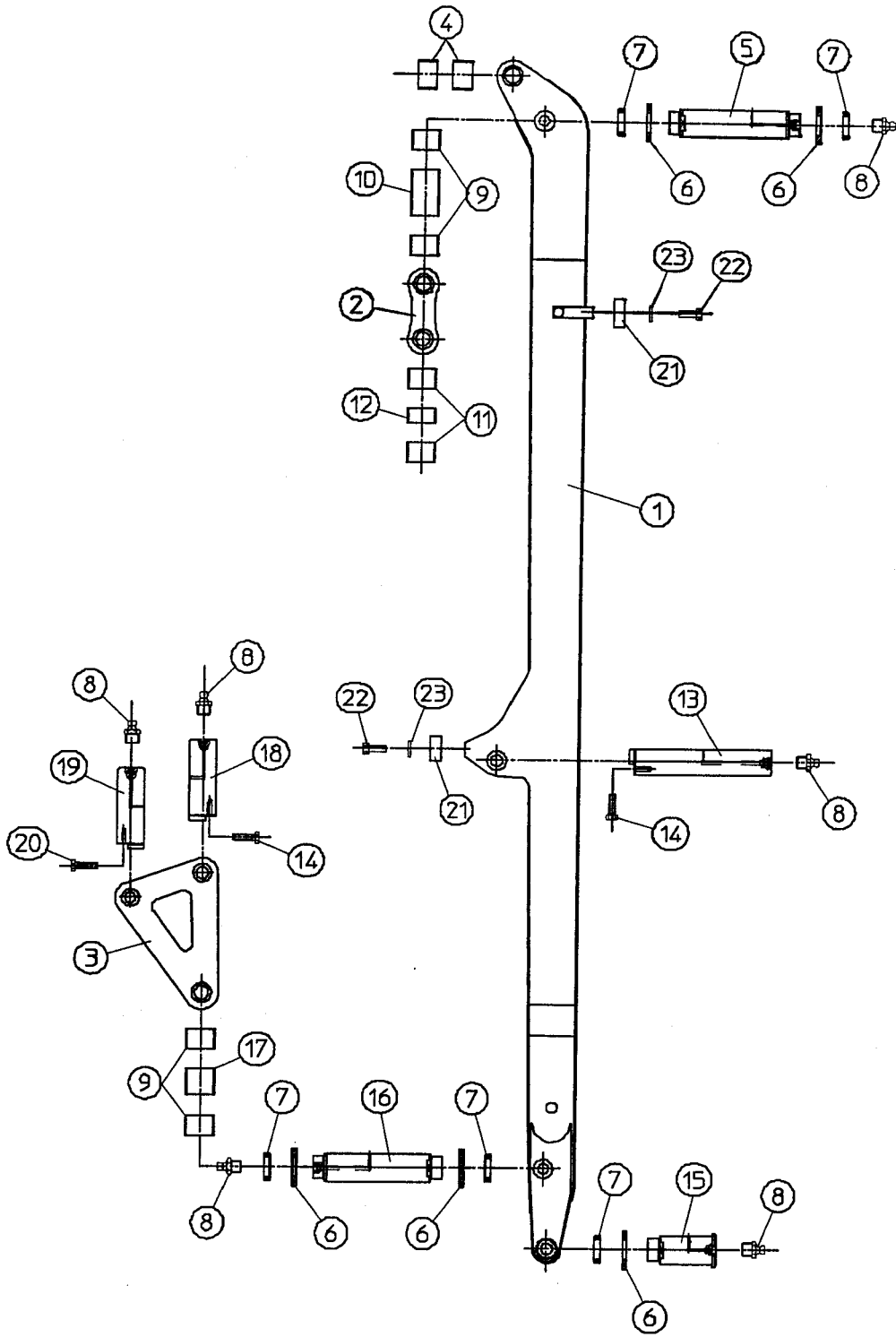
P	CODE	Q	DESCRIZIONE	DESCRIPTION	DIMENSIONS/STANDARDS
	285849	1	Primo elemento	First section	
1	285850	1	Struttura base	Base structure	
2	285893	1	Bilanciere "B"	Beam B	Fig. 36606001
3	170014	2	Ingrassatore	Lubricator	A/M6x1
4	31536		Perno	Pin	P-1137/1/A
5	180908	2	Ghiera	Ring nut	G-005
6	90179	8	Vite	Screw	TE M12*35*1.75
7	100041	8	Rosetta elastic	Elastic washer	D.12
8	90096	2	Vite	Screw	TE M8*55
9	90614	2	Dado Autobloccante	Self-locking nut	M8 UNI 7473 -8G
10	31497	1	Perno	Pin	P-1128
11	91190	3	Vite	Screw	TE M14x55x2
12	170012	7	Ingrassatore	Lubricator	A/M10x1
13	31498	1	Perno	Pin	P-1129
14	31486	2	Perno	Pin	P-1118
15	374083	4	Rosetta	Washer	CU-098
16	180915	4	Ghiera	Ring nut	M80x2
17	31495	1	Perno	Pin	P-1126
18	21864	1	Boccola	Bushing	BO-2180
19	20689	2	Bronzina	Bronze bushing	BR MB 100060 DU
20	31499	1	Perno	Pin	P-1130
21	31496	1	Perno	Pin	P-1127
22	374082	2	Rosetta	Washer	CU-097
23	180914	2	Ghiera autobloccante	Self-locking ring nut	M70x2



SECOND BOOM SECTION
AZ-37.4/125

17.2

CODE 285851





SECOND BOOM SECTION
AZ-37.4/125

17.2

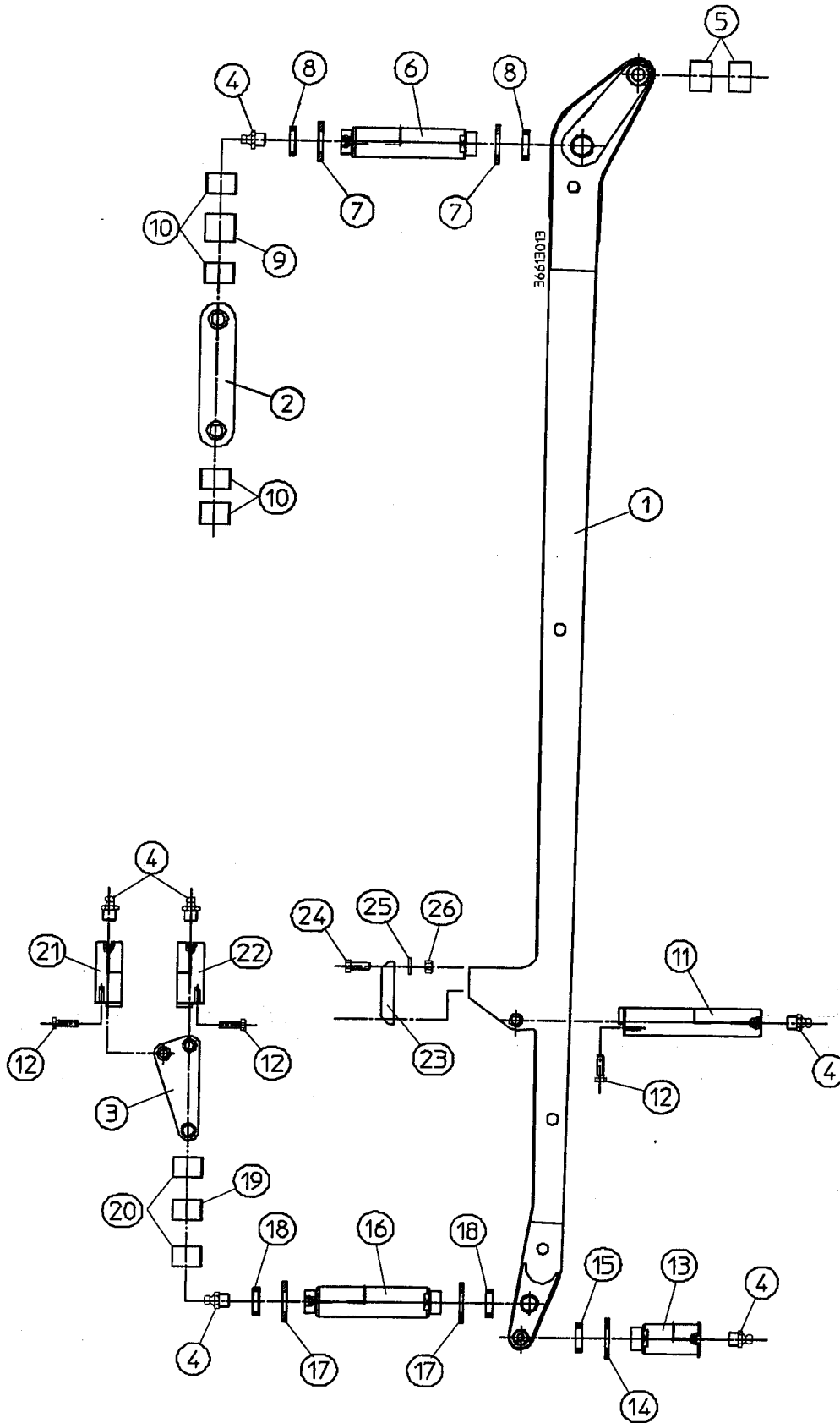
P	CODE	Q	DESCRIZIONE	DESCRIPTION	DIMENSIONS/STANDARDS
	285851	1	Secondo elemento	Second section	
1	285852	1	Struttura base	Base structure	
2	285894	1	Biella "B"	Beam C	Fig. 36606003
3	285895	1	Bilanciere "C"	Connecting rod B	Fig. 36606002
4	20689	2	Bronzina	Bushing	BR MB 10060 DU L=52
5	31493	1	Perno	Pin	P-1124
6	374081	6	Rosetta	Washer	CU-096
7	180913	6	Ghiera autobloccante	Self-locking ring nut	M60x2
8	170012	7	Ingrassatore	Lubricator	A/M10x1
9	20568	4	Bronzina	Bronze bushing	BR MB 8560 DU
10	21865	1	Boccola	Bushing	BO-2181
11	20561	2	Bronzina	Bronze bushing	BR MB 9060 DU
12	21868	1	Boccola	Bushing	BO-2184
13	31500	1	Perno	Pin	P-1131
14	91190	2	Vite	Screw	TE M14x55x2
15	31487	2	Perno	Pin	P-1119
16	31494	1	Perno	Pin	P-1125
17	21866	1	Boccola	Bushing	BO-2182
18	31501	1	Perno	Pin	P-1132
19	31502	1	Perno	Pin	P-1133
20	90187	1	Vite	Screw	TE M12x45x1.75
21	121324	2	Tampone in teflon	Teflon pad	Fig. 230198
22	91125	2	Vite	Screw	TE M10x35x1.5
23	100039	6	Rosetta piana	Washer	D.10
24	230768	2	Tampone in teflon	Teflon pad	Fig. 140799
25	91803	4	Vite	Screw	TCCE M10x35x1.5
26	90618	4	Dado	Nut	M10x1.5

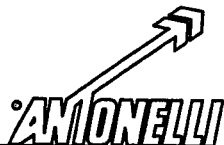


THIRD BOOM SECTION
AZ-37.4/125

17.3

CODE 285853





THIRD BOOM SECTION
AZ-37.4/125

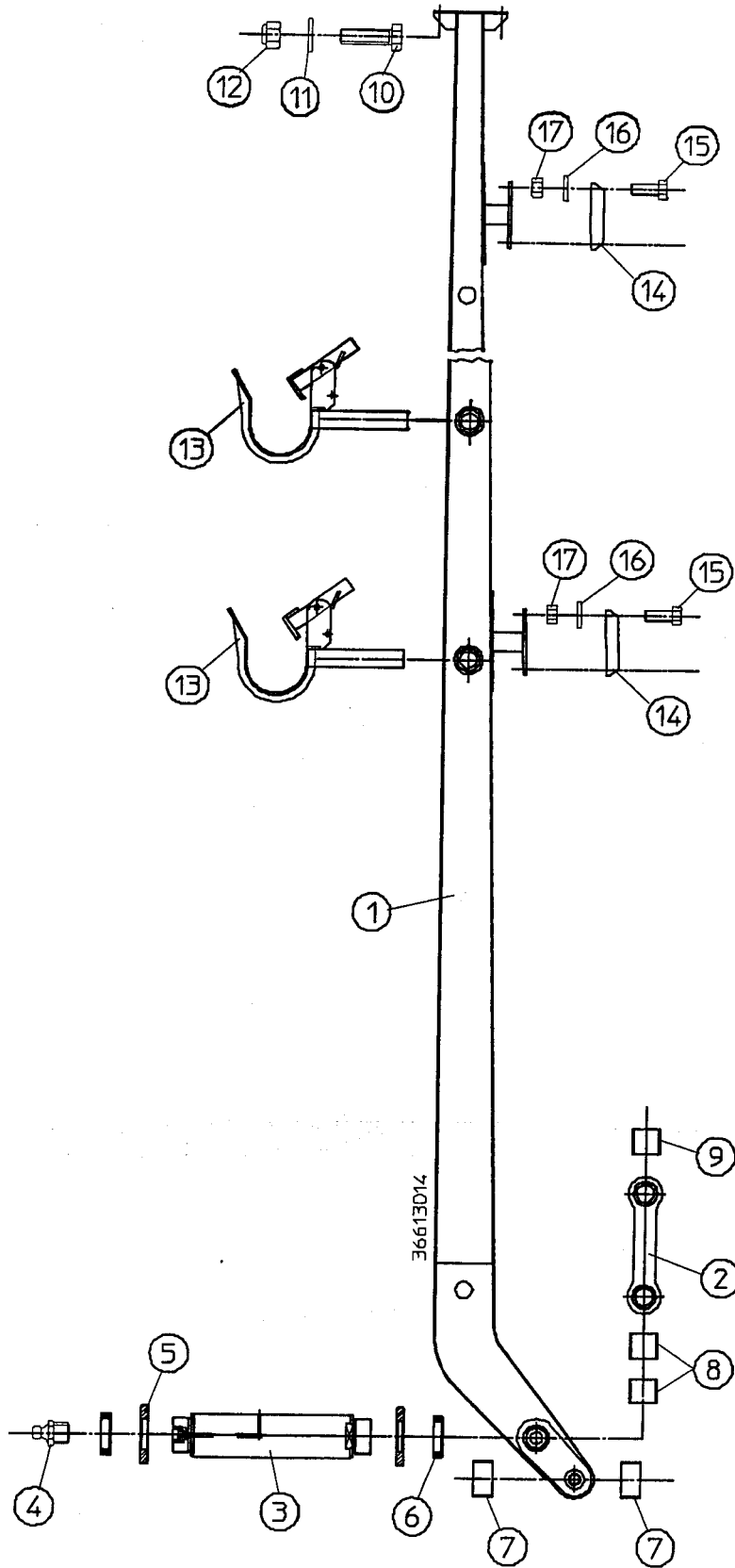
17.3

P	CODE	Q	DESCRIZIONE	DESCRIPTION	DIMENSIONS/STANDARDS
	285853	1	Terzo elemento	Third section	
1	285854	1	Struttura base	Base structure	
2	285896	1	Biella "C"	Connecting rod C	Fig. 36606004
3	285897	1	Bilanciere "D"	Beam D	Fig. 36606005
4	170012	7	Ingrassatore dritto	Lubricator	A/M10*1
5	20550	2	Bronzina	Bronze bushing	BR MB 7560 DU
6	31491	1	Perno	Pin	P-1123
7	374080	2	Rosetta	Washer	CU-095
8	180912	1	Ghiere autobloccante	Self-locking ring nut	M50x1.5
9	21867	1	Boccola	Bushing	BO-2183
10	20489	4	Bronzina	Bronze bushing	BR MB 7070 DU
11	31531	1	Perno	Pin	P-1142
12	90130	3	Vite	Screw	TE M10x40x1.5
13	31488	2	Perno	Pin	P-1120
14	374078	2	Rosetta	Washer	CU-093
15	180910	2	Ghiera autobloccante	Self-locking ring nut	M30x1.5
16	31489	1	Perno	Pin	P-1121
17	374079	2	Rosetta	Washer	CU-094
18	180911	2	Ghiera	Ring nut	M40x1.5
19	21113	1	Boccola	Bushing	Bo-1567
20	20576	2	Bronzina	Bronze bushing	BR MB 4040 DU
21	31533	1	Perno	Pin	P-1144
22	31532	1	Perno	Pin	P-1143
23	230768	2	Tampone in teflon	Teflon pad	Fig. 140799
24	91803	4	Vite	Screw	TCCE M10x35
25	100039	4	Rosetta	Washer	D. 10
26	90618	4	Dado	Nut	M10x1.5



FOURTH BOOM SECTION
AZ-37.4/125

17.4
CODE 285855





FOURTH BOOM SECTION
AZ-37.4/125

17.4

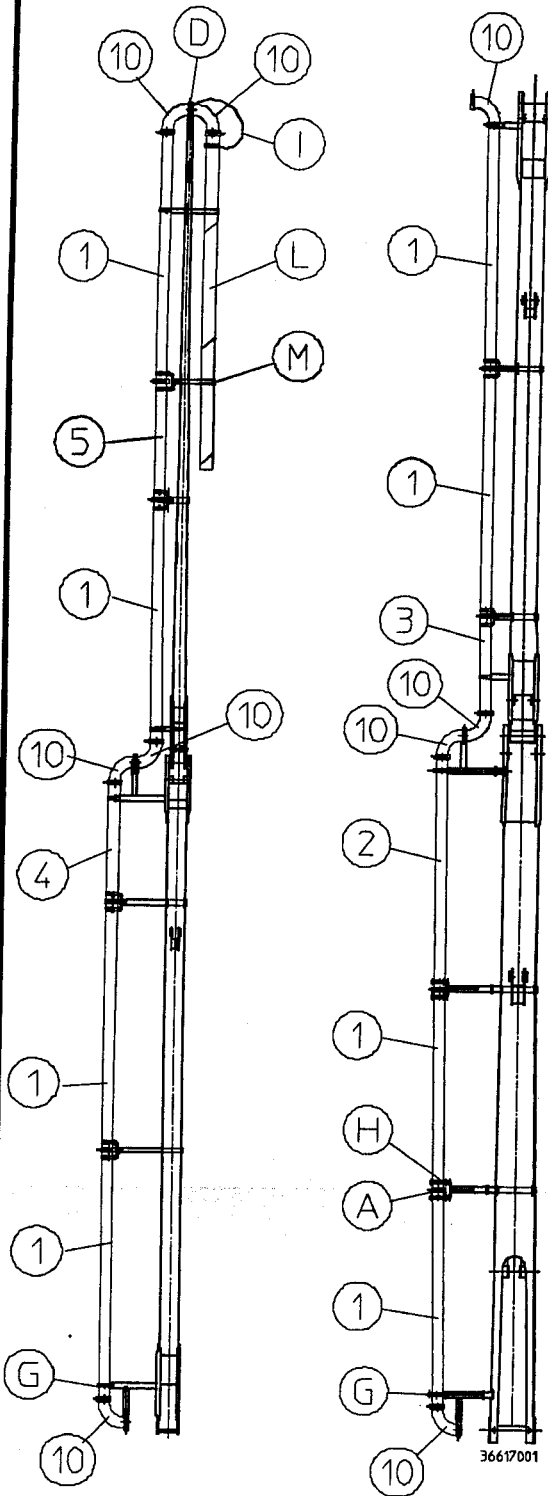
P	CODE	Q	DESCRIZIONE	DESCRIPTION	DIMENSIONS/STANDARDS
	285855	1	Quarto elemento	Fourth section	
1	285856	1	Struttura base	Base structure	
2	285898	1	Biella "D"	Connecting rod D	Fig. 36606006
3	31490	1	Perno	Pin	P-1122
4	170012	1	Ingrassatore dritto	Lubricator	A/M10*1
5	374079	2	Rosetta	Washer	CU-094
6	180911	2	Ghiera	Rig nut	M40x1.5
7	20519	2	Bronzina	Bronze bushing	BR MB 4530 DU
8	20520	2	Bronzina	Bronze bushing	BR MB 5060 DU
9	20565	1	Bronzina	Bronze bushing	BR MB 5050 DU
10	90268	2	Vite	Screw	TE M16*45*1.5
11	100093	2	Rosetta	Washer	D.16
12	90638	2	Dado auto	Self-locking nut	M16*1.5
13	120525	2	Gancio tubo terminale	Special hook for end hose	
14	230768	2	Tampone in teflon	Teflon pad	Fig. 140799
15	91803	4	Vite	Screw	TCCE M10x35
16	100039	4	Rosetta	Washer	D.10
17	90618	4	Dado	Nut	M10x1.5







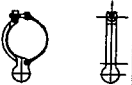
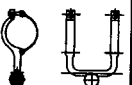


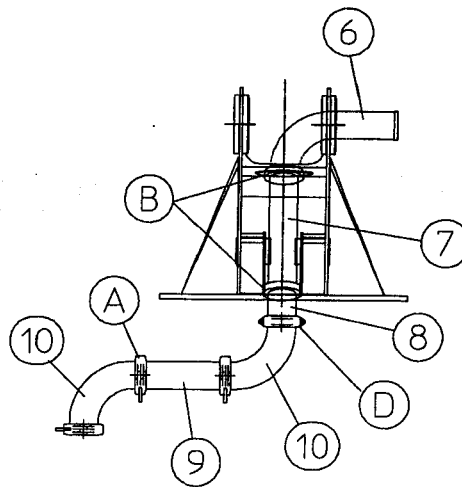
CONCRETE PIPELINE DIAGRAM
AZ-37.4/125

18.1

Dwg. 36617001



ACCESSORIES FOR CONCRETE PLANT			
A		LEVER JOINT	4"1/2 CODE 110240
B		BOLT JOINT	5"1/2 CODE 110270
			4"1/2 CODE 110287
C		SUPPORTING LEVER JOINT	5"1/2 CODE 110267
			4"1/2 CODE 110294
D		SUPPORTING BOLT JOINT	5"1/2 CODE 110290
			4"1/2 CODE 110292
E		SPECIAL BOLT JOINT	5"1/2 CODE 110289
F		GASKET FOR JOINT	4"1/2 CODE 111242
			5"1/2 CODE 356
G		CLAMP AND SIMPLE SUPPORT	5"1/2 CODE 555
			5"1/2 CODE 120541
H		CLAMP AND DOUBLE SUPPORT	5"1/2 CODE 120542
			5"1/2 CODE 120542
I		Collar and safety cable	
L		End hose	
M		End hose support	



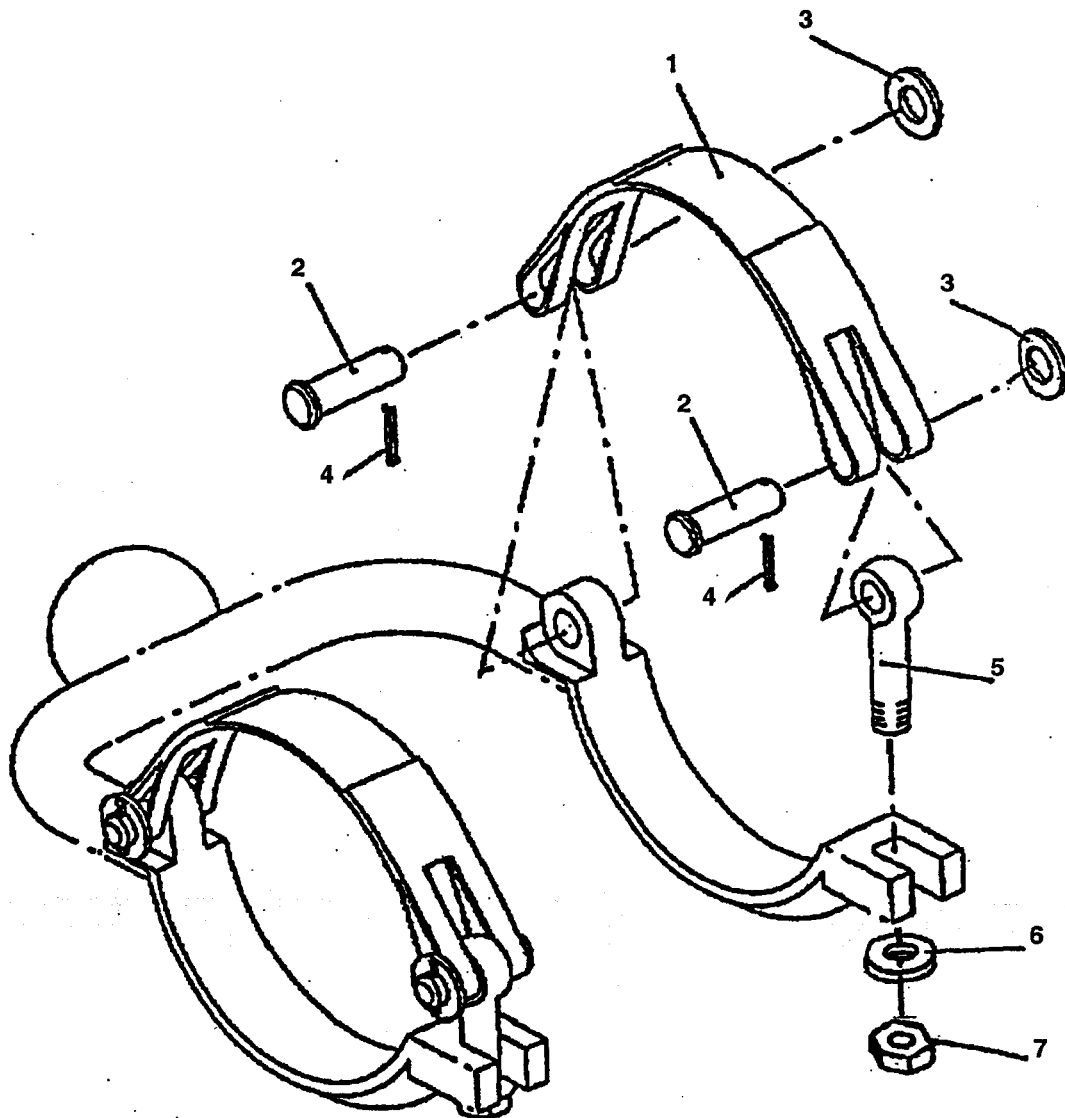


CONCRETE PIPELINE DIAGRAM
AZ-37.4/125

18.1

P	CODE	Q	DESCRIZIONE	DESCRIPTION	DIMENSIONS/STANDARDS
			Schema tubaz. cls	Concrete pipeline diagram	Dwg. 36617001
1	60500	8	Tubo	Adapter pipe	00499-L=3000
2	62470	1	Tubo Jolly	Adapter pipe	01049-L=3045 ± 20 mm
3	62472	1	Tubo Jolly	Adapter pipe	01051-L=1165 ± 20 mm
4	62471	1	Tubo Jolly	Adapter pipe	01050-L=1190 ± 20 mm
5	60931	1	Tubo Jolly	Adapter pipe	00575-L=0955 ± 20 mm
6	62458	1	Tubo	Pipe	01066-L=610/275
7	62275	1	Tubo	Pipe	00992-L=770
8	62478	1	Tubo	Pipe	01069-L=172/103
9	62080	1	Tubo	Pipe	00840-L=400
10	60523	11	Curva	Curve	00520-L=275/275

NB: For the exact length of the adapter pipes, see the exact value stamped on the plate of the pipe.

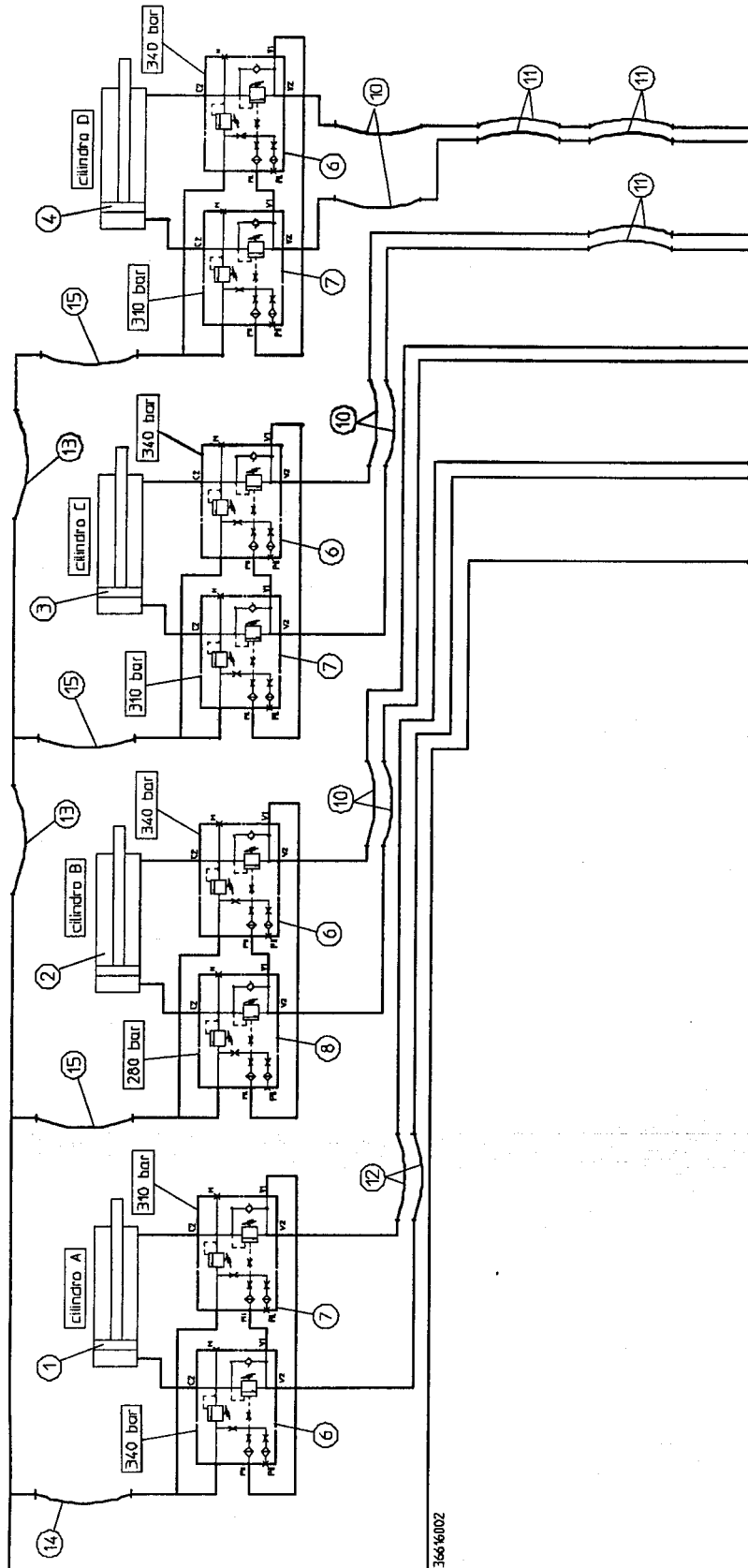




HYDRAULIC SYSTEM DIAGRAM
AZ-37.4/125

20.1

FIG. 36616002





HYDRAULIC SYSTEM DIAGRAM
AZ-37.4/125

20.1

P	CODE	Q	DESCRIZIONE	DESCRIPTION	DIMENSIONS/STANDARDS
		1	Schema impianto oleodinam.	Hydraulic system diagram	FIG. 36616002
1	43124	1	Cilindro idraulico	Hydraulic cylinder	P-265/A
2	43163	1	Cilindro idraulico	Hydraulic cylinder	P-261/A
3	43133	1	Cilindro idraulico	Hydraulic cylinder	P-273/A
4	43162	1	Cilindro idraulico	Hydraulic cylinder	P-214/B
6	180214.340	4	Valvola di blocco	Check valve	U/97 340 bar
7	180214.310	2	Valvola di blocco	Check valve	U/97 310 bar
8	180214.280	1	Valvola di blocco	Check valve	U/97 280 bar
10	81041	6	Tubo flessibile	Hose	1/2" L=950
11	81042	6	Tubo flessibile	Hose	1/2" L=1400
12	81046	2	Tubo flessibile	Hose	1/2" L=1200
13	81006	2	Tubo flessibile	Hose	3/8" L=1400
14	81052	1	Tubo flessibile	Hose	3/8" L=1250
15	81008	3	Tubo flessibile	Hose	3/8" L=950



ANTONELLI S.R.L

V. MALPASSO,1441/1447

47048-S.GIOVANNI IN MAR. (RN) ITALY

TEL. (0541)955258 FAX (0541)957103

INTERNETADDRESS:<http://www.rimini.com/aziende/antonelli>

EMAIL: ANTONELLI@RIMINI.COM