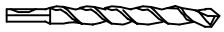
COLLEZIONE GENIUS 010T - 020T

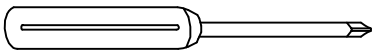
ISTRUZIONI DI MONTAGGIO

ALBINI & FONTANOT®

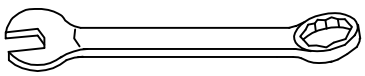
Ø 8x300 12x120 14x150 mm
Ø 10 x 120



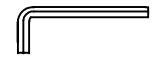
Ø 3 3.5 4.5 11 mm



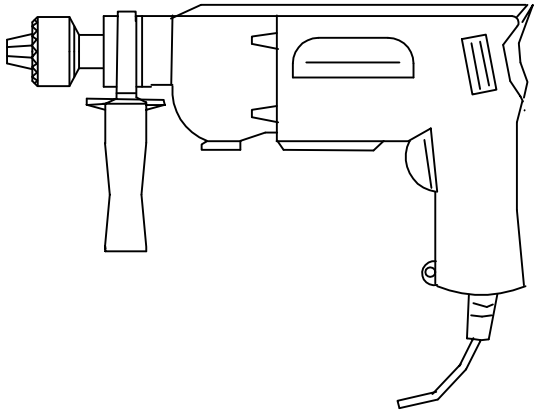
PH 2

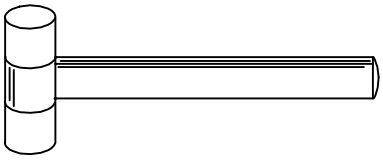


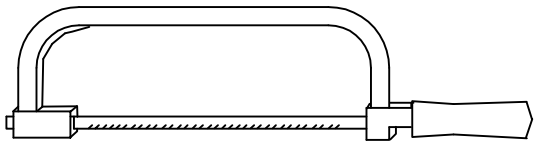
13 – 17 – 30 mm

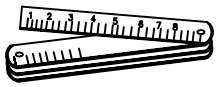


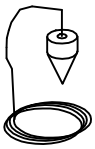
2 – 2.5 – 3 – 4 mm
5 – 6 – 8 – 10 – 12 mm

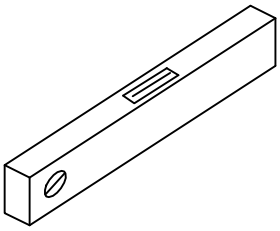


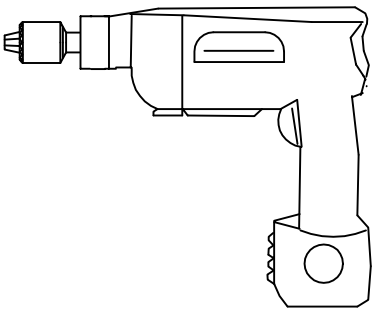


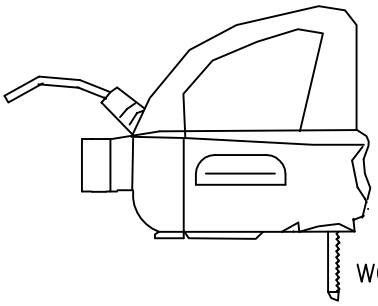


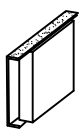












English

Before starting assembly, unpack all stair components. Place them on a large enough surface and check the number of components, using the attached packing list.
The staircase is supplied with a direction of climb (clockwise or anticlockwise), defined during design of the ideal configuration, and this direction determines the spiral (clockwise or anticlockwise) of the handrail sections of the railing. It is therefore inadvisable to invert the direction of climb, to avoid problems with the correct assembly of the staircase. To verify the climb direction for which the staircase has been supplied, check the description of code 140051.

Preliminary assembly

1. Fit components 001010 for version R010, or components 001013 for version R020, onto treads 103008 (fig. 1) (fig. 2).
2. Carefully measure the height between floors to calculate the number of spacer disks 131030 or 131031. To calculate the required number of spacer disks 131030 or 131031 use CHART 2 (H = height, A = riser). Example: for a measured height between floors of 298 cm and a staircase with 13 treads:
   a) for a height of 298 cm in column H, read off the number of disks required in column A/13, giving a total of 40 disks.
   b) Distribute the disks on all spacers 130202 or 130203 (and then beneath and above), one at a time, until all disks have been used (maintain alignment of the injection point on the exposed edge so as to ensure a better visual appearance). Up to a maximum of 3 disks can be fitted on the first spacer 130202 or 130203. On the other spacers 130202 or 130203, up to a maximum of 5 disks can be fitted.
   c) The final result is 3 disks on the first spacer 130202 or 130203 (2 above and 1 beneath), 4 disks on the second spacer 130202 or 130203 (2 above and 2 beneath), and 3 disks on the eleven remaining spacers (2 above and 1 beneath).
3. Fit components 033149 onto baluster 127010 using parts 011063 and 005036 (fig. 1) (for R010 railing)
4. Fit components 033147 onto baluster 127002 using parts 011064 and 005036 (fig. 2) (for R020 railing).

Cutting top landing

5. To define and trace the cutting lines for the circular landing:
   1) carefully measure hole in ceiling.
   2) calculate centre of hole in ceiling.
   3) trace the form of the circular landing near the point of arrival on a piece of cardboard of the packing; cut cardboard and position it symmetrically on the lower part (underside) of the landing, at a distance with respect to the centre equivalent to half the hole measured earlier (fig. 4).
6. To define and trace the cutting lines for triangular or trapezoidal landings:
   1) carefully measure hole in ceiling.
   2) calculate centre of hole in ceiling.
   3) trace cutting lines parallel to existing edges on the lower part (underside) of the landing, at a distance with respect to the centre equivalent to half the hole measured earlier (fig. 5).
7. Cut the landing with an electric jigsaw, taking great care to avoid damaging the paintwork finish; use sandpaper to remove any roughness on edges and protect with the supplied wood paint.

Assembly

8. Determine the position of the post on the floor, according to the dimensions of the landing cut earlier, and lay the base 023012 (fig. 3).
9. Drill holes with a 14 mm bit and fix the base 023012+012009+022001 to floor with components 008001 (fig. 1) (fig. 2).
10. Screw tube 042013 onto base 023012+012009+022001(fig. 1) (fig. 2).
11. Fit base cover 132017 or 132018 onto tube 042013 (fig. 10).
12. In this order, fit the spacer disks 131030 or 131031, washer 023041 or 023040, spacer 130202 or 130203, washer 023041 or 023040, spacer disks 131030 or 131031, the first tread 103008 (with slats of wood parallel to the prearranged climbing side (fig. 9A), remembering that the direction of climb of the staircase is made compulsory by the shape of the handrails), spacer disks 131030 or 131031, washer 023041 or 023040, spacer 130202 or 130203, washer 023041 or 023040, spacer disks 131030 or 131031 and then the next tread (with slats of wood parallel to the prearranged climbing side) 103008, continuing in the same way. Arrange the treads alternately to the right and left, so as to distribute weight uniformly (fig. 10).

13. When the top of the tube 042013 is reached, screw on component 022003, screw on next tube 042013 and continue with assembly of staircase (fig. 10).
14. When the top of the tube 042013 is reached, screw on component 022001 and component 046036 (screw on component 046036 remembering that it must be at the same level as the upper floor). Continue to fit treads using component 023001 inserted into tread 103008 (fig. 11).
15. Fit landing last. Position the landing with the small hole (to be used for passage of balusters) on the arrival side of the treads (fig. 9).
16. Fit components 023035 or 023037, 022065, and tighten component 005008 sufficiently, remembering that the treads must still be free to rotate (fig. 1) (fig. 2) (fig. 9).

Fixing landing

17. Move component 047009 towards ceiling. Determine the position, keeping a distance of about 15 cm from the outer edge of the landing, drill with a 14 mm bit and definitively secure, using components 008001 (fig. 1) (fig. 2).
18. Fix components 047009 to landing, using components 002040 (drill landing with a 4.5 mm bit).
19. Position components 132016 (fig. 1) (fig. 2).

Assembly of R010 railing (go to point 44 for model R020)

20. Fan out treads 103008. It is now possible to climb onto the staircase.
21. Fix components 033149, 005036, 011063 to balusters 127010 from the side with the 3.5 mm hole, which is 10.5 cm from the end. Fit cable holders 031069 onto balusters 127010 with parts 002050 (fig. 1).
22. Starting from the floor, insert balusters 127010 connecting the treads.
    Position balusters with component 033149 with the part with hole upwards (fig. 1) (fig. 9). Tighten only component 001010 of the lower tread (fig. 1).
23. Carefully check that all balusters positioned are vertical. This is essential for successful final assembly of the staircase.
24. Definitively tighten component 005008 (fig. 9).
25. Definitively tighten component 001010 of the top tread (fig. 1).
26. Check again that balusters 127010 are vertical, and adjust if necessary by repeating previous operations.
27. Position the first baluster 127010; adjust height according to the balusters fitted earlier (fig. 1).
28. Fix component 033142 to floor in position of first baluster, drilling with an 8 mm bit. Use components 002040, 008004, and 001004 (fig. 1).
29. Prepare spiral handrails, components 031073, 002026 and disks 031077; the disks are made in soft transparent material; take care not to mistake them for parts 031076, made in hard transparent material and to be used only in the joints of any straight handrails present (fig. 1).
30. Starting from the top, start to fit handrails onto parts 002031. Continue to fit handrails, inserting joint 031073 and disk 031077, but do not insert fixing screws 002026 yet. Take care to keep balusters in a vertical position, and turn the lengths of handrail until they are perfectly aligned (fig. 1).
31. When the first baluster on the staircase is reached, cut excess handrail at right angles with a saw for wood (fig. 1).
32. Complete handrail by fixing component 031061, using components 011052 and 004034, drill with a 6 mm bit (fig. 1).
33. Check handrail alignment again and fit junction screws 002026, drill with a 3 mm bit (fig. 1).
34. Insert steel cables into parts 031069 on balusters; tighten cables at one end with parts 031068 and 001012, leaving a projection of 15 cm with respect to fixings 031069; cover with part 031074 using transparent glue for PVC. Stretch cables by hand from the opposite end; tighten and cover cable ends with adhesive tape to prevent them from fraying during cutting. Cut cables at a distance of 15 mm from parts 031069; remove adhesive tape and cover with parts 031074, using transparent glue for PVC (fig. 1) (fig. 6) (fig. 7).
35. Complete assembly of railing, fitting components 031064 into the lower part of balusters 127010 and components 031075 into side of treads (fig. 1).

Assembly of R010 balustrade

36. Screw part 033063 onto stay 046036 with screw 011038 (fig. 1).
37. Position components 033063 on landing, using components 002040 and 001004. Drill landing with a 5 mm bit, keeping a distance between centres that allows at least four balusters to be fitted.
38. Position balusters 127014, with components 031069 facing outwards, and tighten component 001004 (fig. 1).
39. Fix straight handrail 140018 using components 002031 (fig. 1).

40. Depending on position and presence of walls around the stairwell, it may be necessary to position one or two extra balusters 127014 (fig. 9).
41. In this case, a space must be considered that is at the same distance from the other balusters or from the wall. Drill landing with a 4.5 mm bit and assemble with components 033146, 001004 and 002040 (fig. 1) (fig. 9).
42. Insert steel cables into parts 031069 on the balusters; tighten cables at one end with parts 031068 and 001012, leaving a projection of 15 mm with respect to fixings 031069; cover with part 031074 using transparent glue for PVC. Stretch cables by hand from the opposite end; tighten and cover cable ends with adhesive tape to prevent them from fraying during cutting. Cut cables at a distance of 15 mm with respect to parts 031069; remove adhesive tape and cover with parts 031074, using transparent glue for PVC (fig. 1) (fig. 6) (fig. 7).

Final assembly

43. To further reinforce the staircase at intermediate points, fix components 033010 to wall and join to the balusters, using components 033056. Drill with an 8 mm bit and use components 008004, 011053, 011057, 005035 (fig. 12) (fig. 13).

Assembly of R020 railing

44. Fan out treads 103008. It is now possible to climb onto the staircase.
45. Fix components 033147, 005036, 011064 to balusters 127002 (fig. 2).
46. Fit parts 031067 into holes on treads with edge facing upwards (fig. 2).
47. Starting from the landing, insert balusters 127002 connecting the treads.
48. Position balusters with component 033147 with the part with hole upwards (fig. 2) (fig. 9). Tighten only component 001013 of the lower tread (fig. 2).
49. Carefully check that all balusters positioned are vertical. This is essential for successful final assembly of the staircase.
50. Definitively tighten component 005008 (fig. 9).
51. Definitively tighten component 001013 of the top tread (fig. 2).
52. Check again that balusters 127010 are vertical, and adjust if necessary by repeating previous operations
53. Position the first baluster 127002; adjust height according to the balusters fitted earlier (fig. 2).
54. Fix component 033142 to floor in position of first baluster, drilling with an 8 mm bit. Use components 002040, 008004, and 001004 (fig. 2).
55. Prepare spiral handrails, components 031073, 002026 and disks 031077; the disks are made in soft transparent material; take care not to mistake them for parts 031076, made in hard transparent material and to be used only in the joints of any straight handrails present (fig. 2).
56. Starting from the top, start to fit handrails onto parts 002031. Continue to fit handrails, inserting joint 031073 without inserting fixing screws 002026 yet. Take care to keep balusters in a vertical position, and turn the lengths of handrail until they are perfectly aligned (fig. 2).
57. When the first baluster on the staircase is reached, cut excess handrail at right angles with a saw for wood (fig. 2).
58. Complete handrail by fixing component 031061, using components 011052 and 004034, drill with a 6 mm bit (fig. 2).
59. Check handrail alignment again and fit junction screws 002026, drill with a 3 mm bit (fig. 1)
60. Fit parts 033144 to treads, using fittings 002040, in an intermediate position. Insert balusters in fittings 033144, tighten component 001004 and fix to handrail, taking care to keep them vertical (fig. 2) (fig. 6) (fig. 8).
61. Complete assembly of railing, fitting components 031065 into the lower part of balusters 127002 and components 031075 into side of treads (fig. 2).

Assembly of R020 balustrade

62. Screw part 033146 onto stay 046036 with screw 011038 (fig. 2).
63. Position components 033146 on landing, using components 002040 and 001004. Drill landing with a 4.5 mm bit, keeping a distance between centres of no more than 12 cm.
64. Position balusters 127004 and tighten component 001004 (fig. 2).
65. Fix straight handrail 140018 using components 002031 (fig. 2).
66. Depending on position and presence of walls around the stairwell, it may be necessary to position one or two extra balusters 127004 (fig. 9).

67. In this case, a space must be considered that is at the same distance from the other balusters or from the wall. Drill landing with a 5 mm bit and assemble with components 033146, 001004 and 002040 (fig. 2).

Final assembly

68. To further reinforce the staircase at intermediate points, fix components 033010 to wall and join to the balusters, using components 033056 and 031066. Drill with an 8 mm bit and use components 008004, 011053, 011057, 005035 (fig. 12) (fig. 14).

TAB. 2

H	A	
	10	11
214	0	
215	2	
216	4	
217	6	
218	8	
219	10	
220	12	
221	14	
222	16	
223	18	
224	20	
225	22	
226	24	
227	26	
228	28	
229	30	
230	32	
231	34	
232	36	
233	38	
234	40	
235	42	
236	44	0
237	46	2
238	48	4
239		6
240		8
241		10
242		12
243		14
244		16
245		18
246		20
247		22
248		24
249		26
250		28
251		30
252		32
253		34
254		36
255		38
256		40
257		42
258		44
259		46
260		48
261		50
262		52

H	A	
	12	13
257	0	
258	2	
259	4	
260	6	
261	8	
262	10	
263	12	
264	14	
265	16	
266	18	
267	20	
268	22	
269	24	
270	26	
271	28	
272	30	
273	32	
274	34	
275	36	
276	38	
277	40	
278	42	0
279	44	2
280	46	4
281	48	6
282	50	8
283	52	10
284	54	12
285	56	14
286		16
287		18
288		20
289		22
290		24
291		26
292		28
293		30
294		32
295		34
296		36
297		38
298		40
299		42
300		44
301		46
302		48
303		50
304		52
305		54
306		56
307		58
308		60
309		62

H	A	
	14	15
299	0	
300	2	
301	4	
302	6	
303	8	
304	10	
305	12	
306	14	
307	16	
308	18	
309	20	
310	22	
311	24	
312	26	
313	28	
314	30	
315	32	
316	34	
317	36	
318	38	
319	40	
320	42	
321	44	0
322	46	2
323	48	4
324	50	6
325	52	8
326	54	10
327	56	12
328	58	14
329	60	16
330	62	18
331	64	20
332	66	22
333	68	24
334		26
335		28
336		30
337		32
338		34
339		36
340		38
341		40
342		42
343		44
344		46
345		48
346		50
347		52
348		54
349		56
350		58
351		60
352		62
353		64
354		66
355		68
356		70
357		72

H	A
	16
342	0
343	2
344	4
345	6
346	8
347	10
348	12
349	14
350	16
351	18
352	20
353	22
354	24
355	26
356	28
357	30
358	32
359	34
360	36
361	38
362	40
363	42
364	44
365	46
366	48
367	50
368	52
369	54
370	56
371	58
372	60
373	62
374	64
375	66
376	68
377	70
378	72
379	74
380	76
381	78

FIG. 1

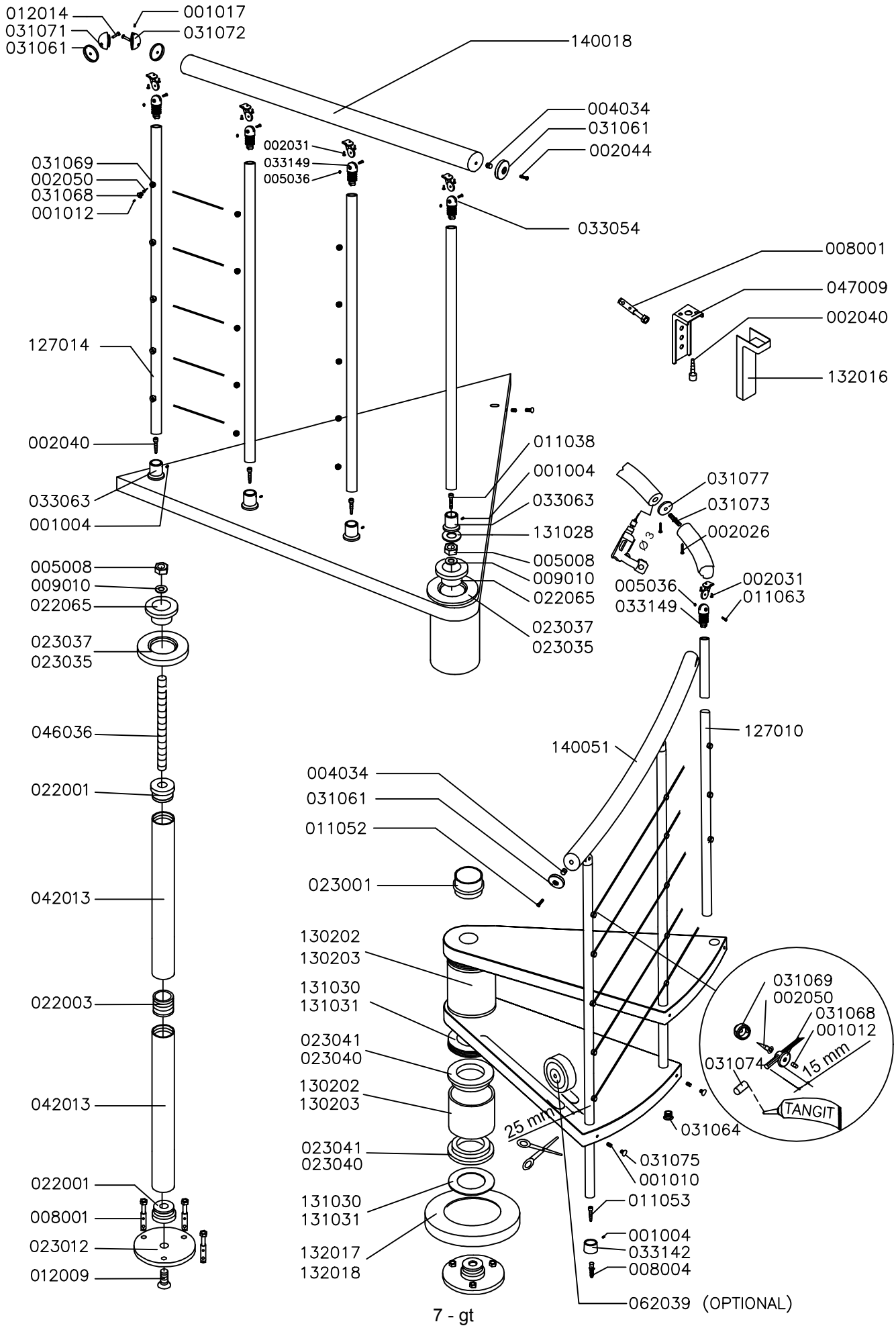

012014
031071
031061
001017
031072
140018
004034
031061
002044
033054
002031
033149
005036
031069
002050
031068
001012
127014
002040
033063
001004
008001
047009
002040
132016
011038
001004
033063
131028
005008
009010
022065
023037
023035
031077
031073
002026
005036
033149
002031
011063
005008
009010
022065
023037
023035
046036
022001
042013
022003
042013
022001
008001
023012
012009
140051
127010
004034
031061
011052
023001
130202
130203
131030
131031
023041
023040
130202
130203
023041
023040
131030
131031
132017
132018
031069
002050
031068
001012
031074
15 mm
TANGIT
25 mm
031064
031075
001010
011053
001004
033142
008004
062039 (OPTIONAL)

FIG. 2

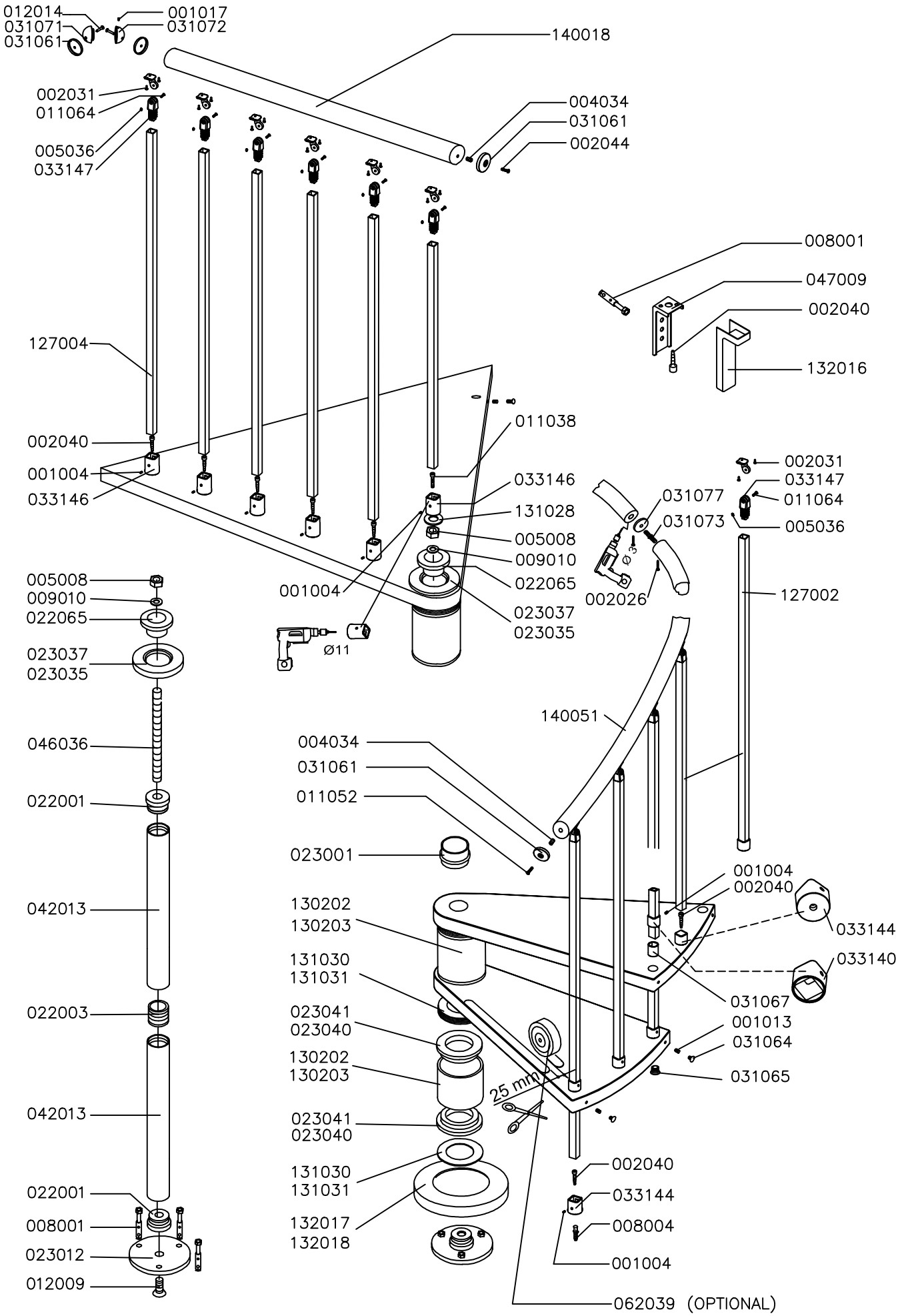

012014
031071
031061
001017
031072
140018
002031
011064
005036
033147
004034
031061
002044
008001
047009
002040
132016
127004
002040
001004
033146
011038
033146
131028
005008
009010
022065
023037
023035
001004
Ø11
031077
031073
Ø3
002026
002031
033147
011064
005036
127002
005008
009010
022065
023037
023035
046036
022001
042013
022003
042013
022001
008001
023012
012009
140051
004034
031061
011052
023001
130202
130203
131030
131031
023041
023040
130202
130203
023041
023040
131030
131031
132017
132018
001004
002040
033144
033140
031067
001013
031064
031065
25 mm
002040
033144
008004
001004
062039 (OPTIONAL)

FIG. 3

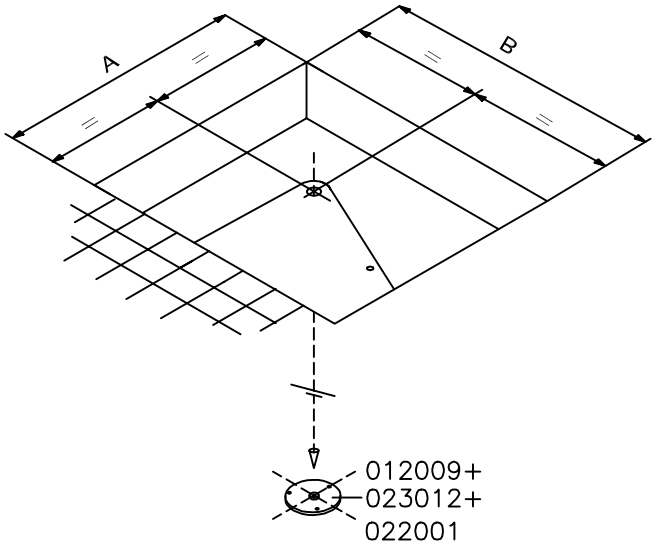


FIG. 4

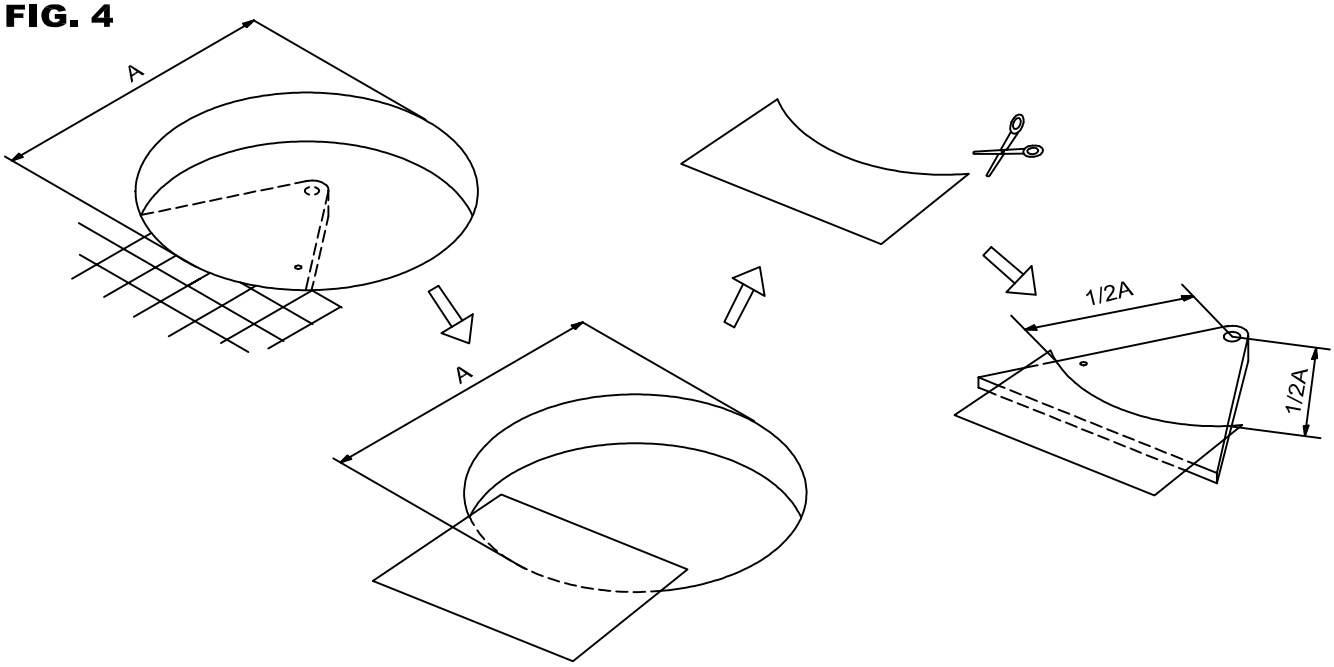


FIG. 5

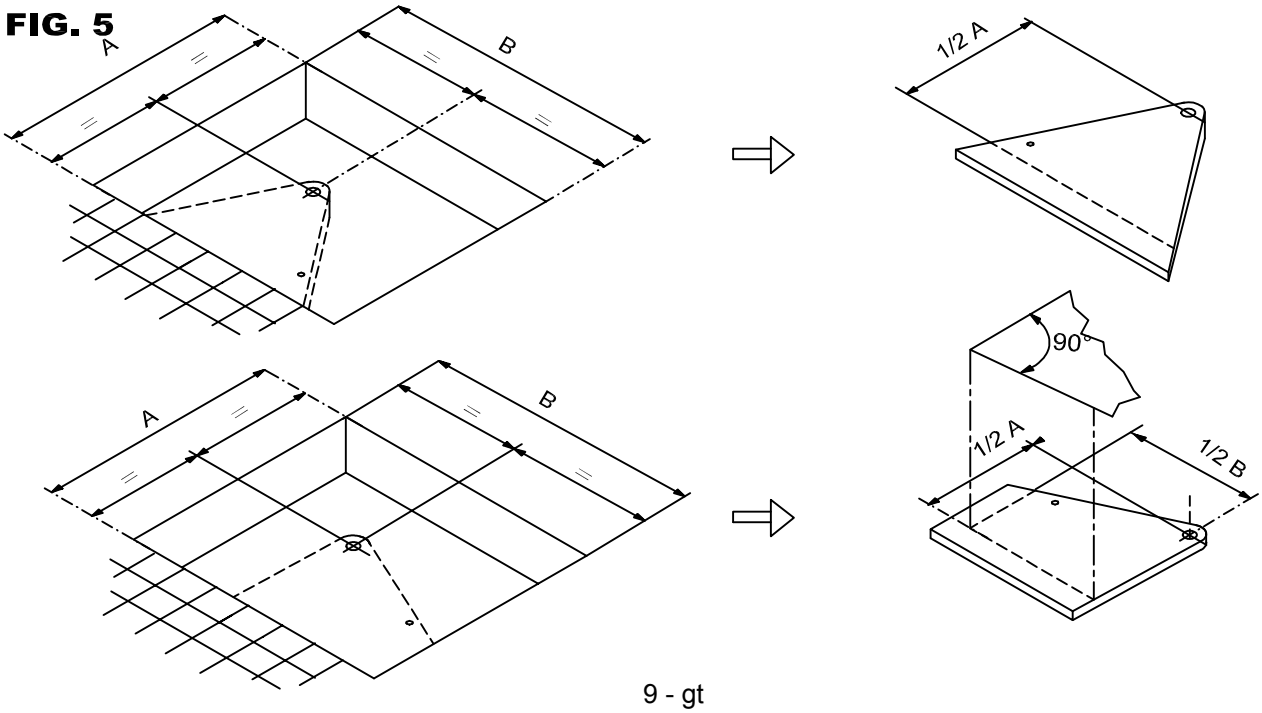


FIG. 6

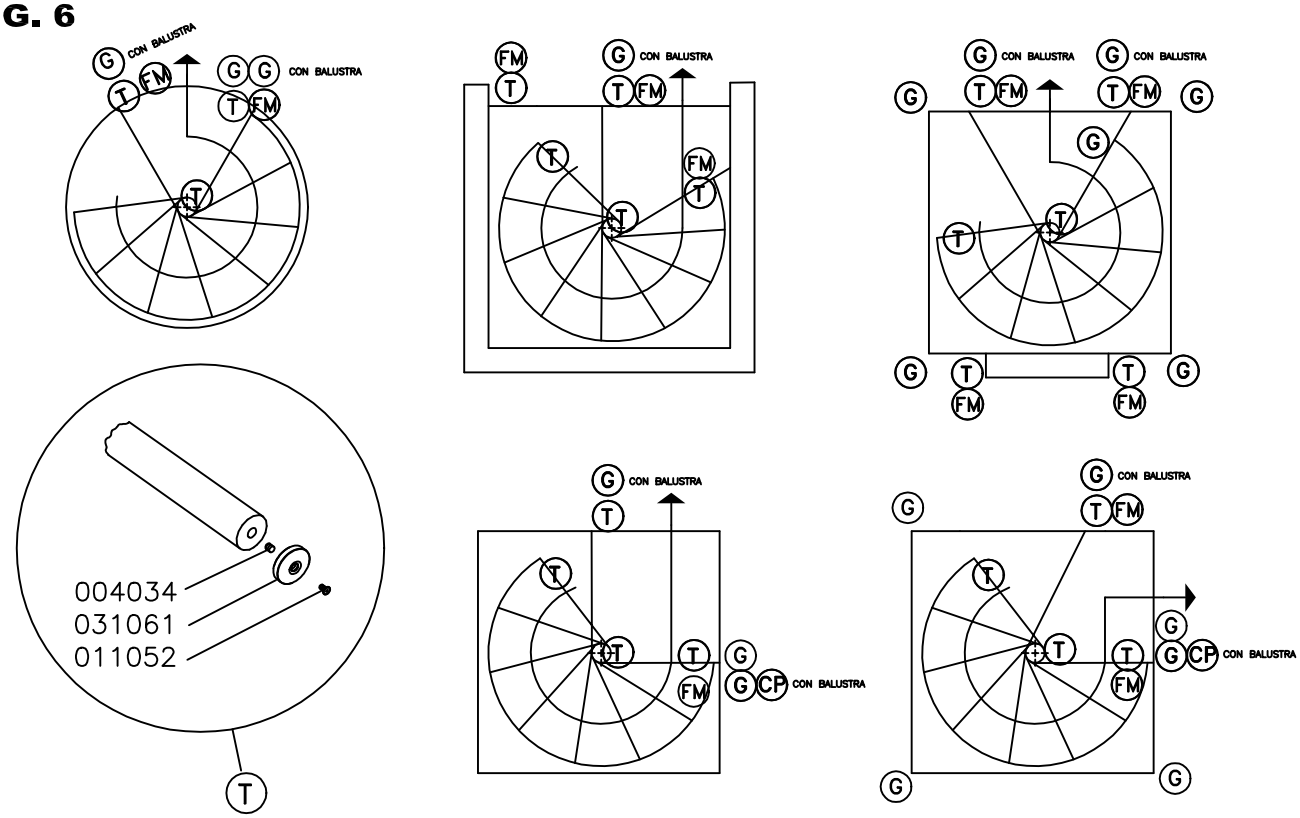


FIG. 7 R010

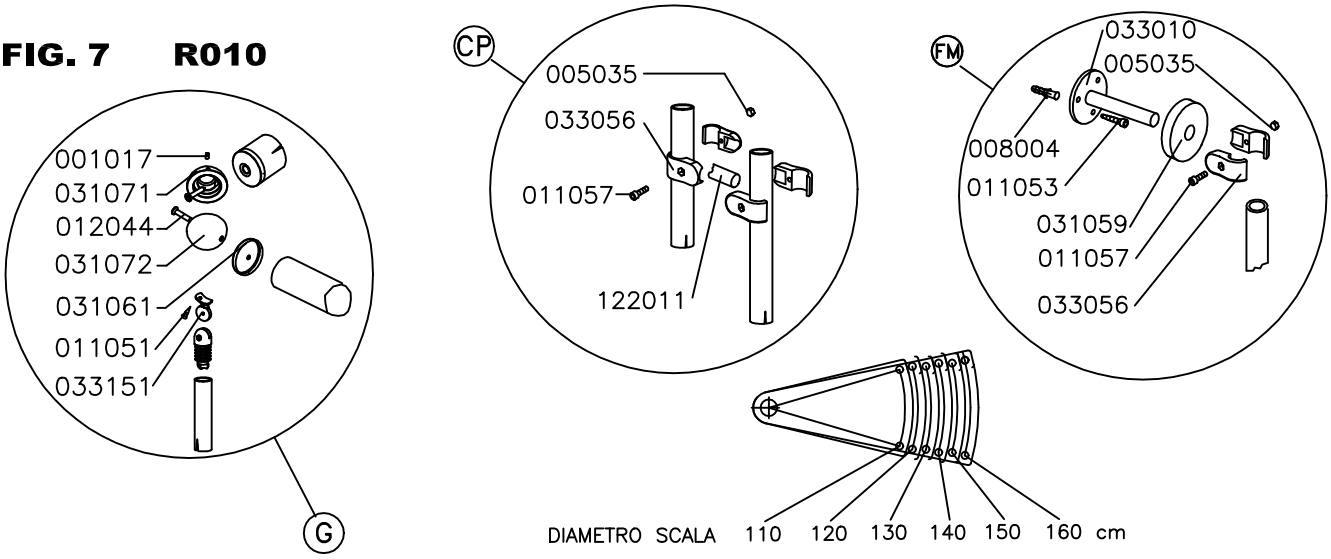


FIG. 8 R020

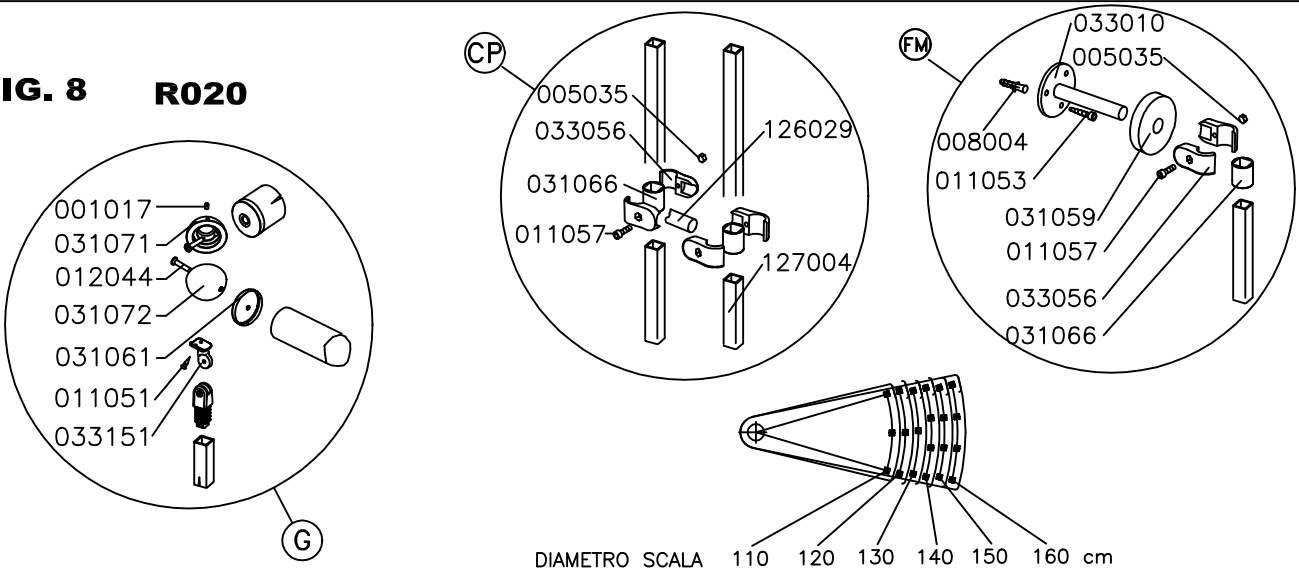


FIG. 9

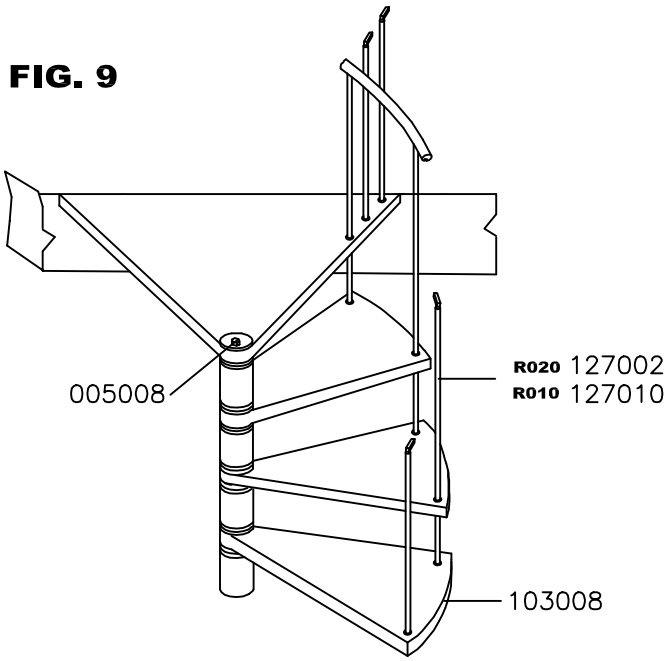


FIG. 10

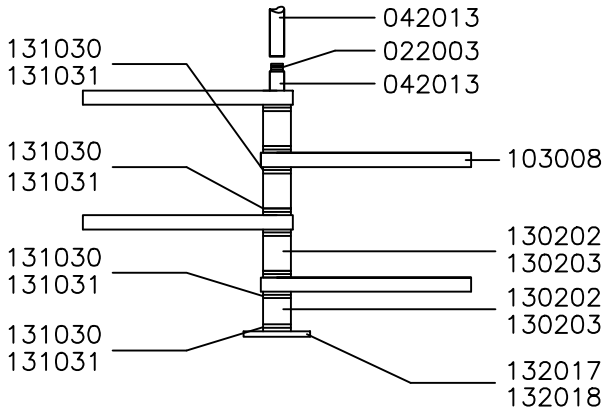


FIG. 9A

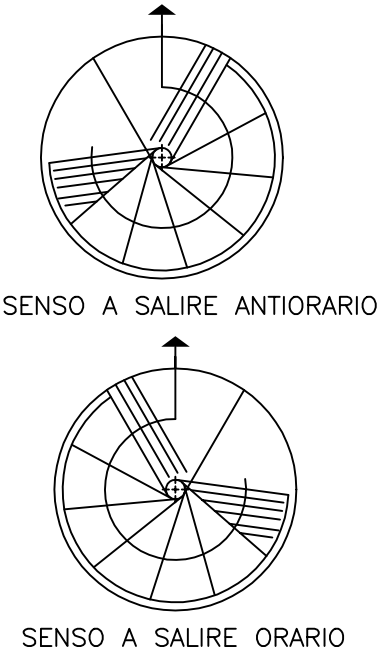


FIG. 11

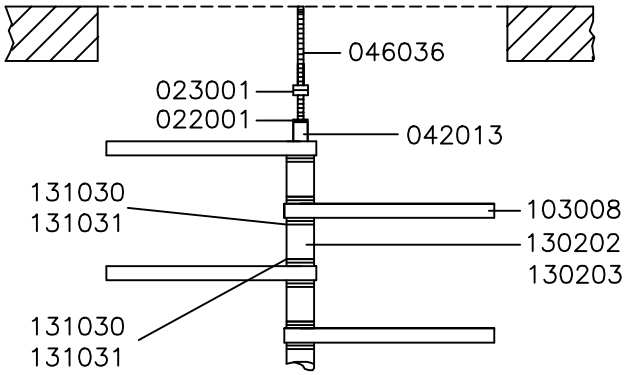


FIG. 12

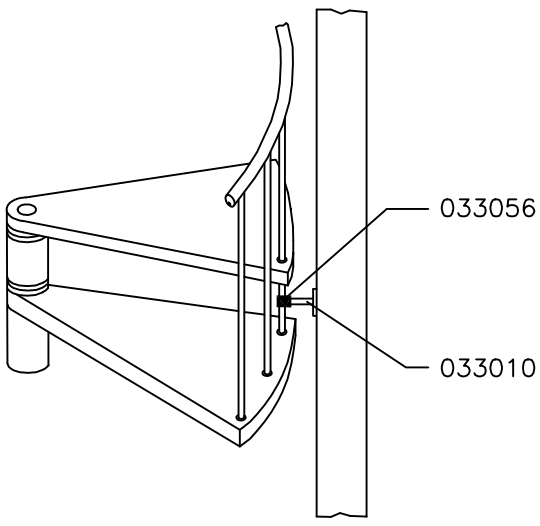


FIG. 13 R010

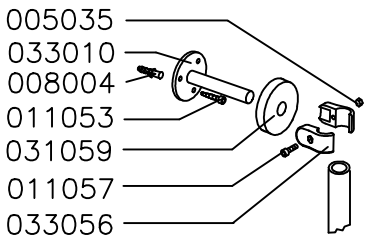
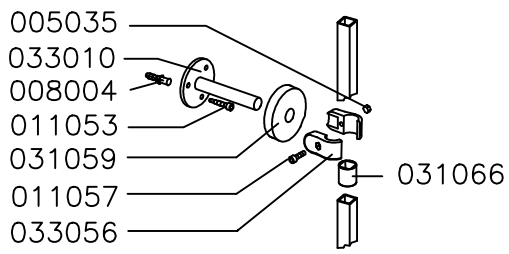
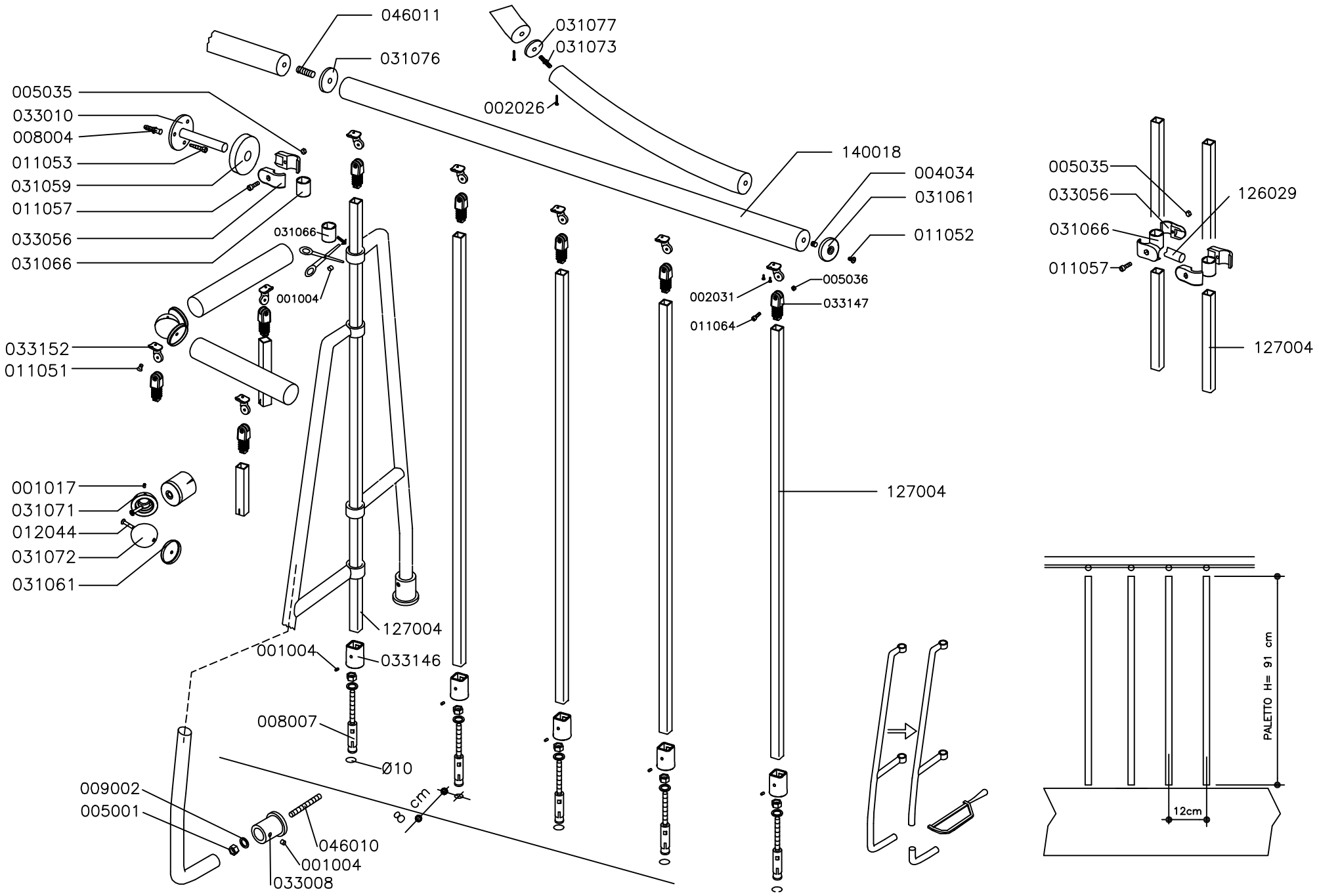


FIG. 14 R020

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002031
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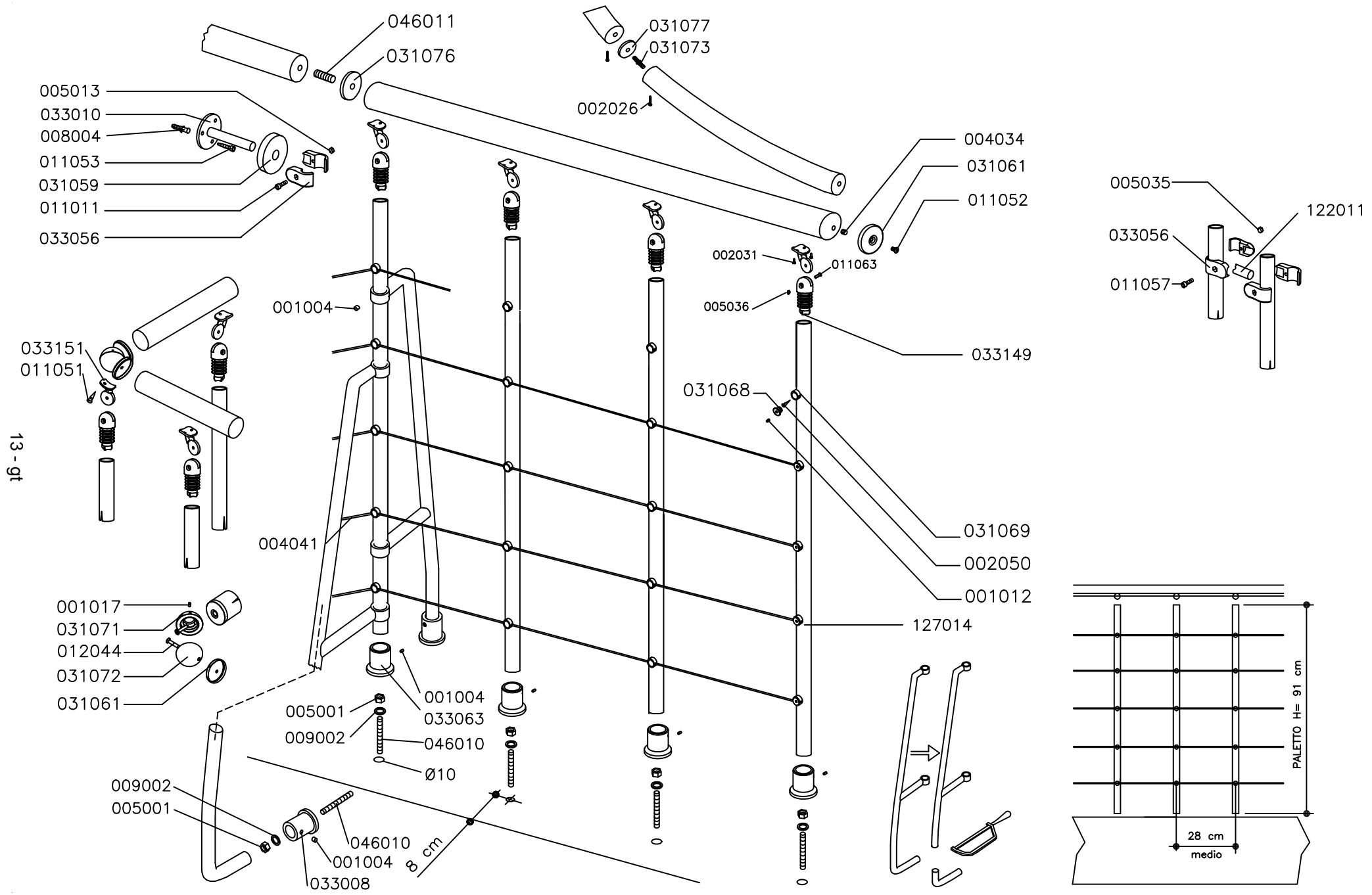
126029
127004
PALETTO H= 91 cm
12cm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009002
046010
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009002
005001
046010
001004
033008
8 cm
005035
122011
033056
011057
PALETTO H= 91 cm
28 cm
medio

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