

Retail Price List of MECCANO Spare Parts.-

Prices in U\$S Dollars.

All prices are per single items.

This price list supersedes all previous ones.

VAT (18%) included

a) Standard Parts.-

<u>Part No.</u>	<u>Price</u>	<u>Part No.</u>	<u>Price</u>	<u>Part No.</u>	<u>Price</u>
1	0.87	20a	1.30	51	0.62
1a	0.67	22	0.84	52	1.80
1b	0.36	22a	0.36	52a	1.68
2	0.27	23	0.09 (plastic)	53	0.99
2a	0.24	23a	1.40	53a	0.94
3	0.19	23b	0.96 (brass)	54	1.54
4	0.17	24	0.96	57c	0.79
5	0.15	24a	0.38	58	3.00
6	0.14	24b	0.96	59	0.48
6a	0.12	24c	0.38	62	0.79
7	2.90	25	3.00	62a	0.79
7a	2.00	25a	3.62	62b	0.79
8	1.25	25b	4.50	63	1.67
8a	1.00	26	2.30	63b	1.67 (3)
8b	0.91	26a	3.00	63c	1.47
9	0.60	26b	3.30	63d	1.40
9a	0.48	26c	2.20	64	0.65
9b	0.39	27	1.67	69	0.09
9c	0.36	27a	1.84	69a	0.13
9d	0.34	27b	5.00 (brass)	70	1.13
9e	0.31	27c	2.80	72	0.58
9f	0.27	27d	1.90	73	0.48
10	0.05	27f	0.91	74	0.36
11	0.15	28	2.04	78	0.86
11a	0.18	30	4.30	79	0.62
12	0.07	30 a/c	12.20	79a	0.57
12a	0.17	31	5.10	80	0.48
12b	0.15	32	2.30	80a	0.43
12c	0.08	34	0.34	80b	0.46
13	0.48	35	0.05	80c	0.38
13a	0.40	36	1.32	81	0.31
14	0.34	37a	0.03 (1)	82	0.26
14a	0.30	37b	0.05 (2)	90a	0.19
15	0.28	38	0.02 0.04	97	0.72 (4)
15a	0.26	38d	0.07	98	0.65
15b	0.24	43	0.58	99	2.14
16	0.23	45	0.17	99a	1.63
16a	0.18	46	0.31	99b	1.42
16b	0.20	47	0.43	100	1.13
17	0.16	47a	0.45	100a	1.01
18a	0.15	48	0.17	103	0.60
18b	0.14	48a	0.20	103a	1.00
19h	0.46	48b	0.31	103b	1.25
19s	0.39	48c	0.40	103c	0.48
19b	1.80	48d	0.45	103d	0.39

1) Square.

2) Cheesehead.

3) Improved design, with extra threaded hole and whole length longitudinal bore.

4) All braced girders open ended, French design.

Part No.	Price	Part No.	Price	Part No.	Price
103e	0.36	155	0.31	194b	0.24
103f	0.34	168d	0.09	194c	0.29
103g	0.31	171	2.40	194d	0.26
103h	0.27	173a	0.84 (8)	194e	0.36
103k	0.91	175	1.20	195	1.20
109	1.20	176	0.36	196	1.44
111	0.12	179	1.10	197	1.85
111a	0.10	186	0.22 (9)	199	0.46
111c	0.09	186a	0.29	200	0.46
111d	0.14	186b	0.36	211 a/b	12.20 (14)
115	0.36 (5)	187	2.10 (10)	212	0.14
115a	0.41 "	188	0.34 (11)	213	0.14
116	0.79	189	0.53	214	0.31
120b	0.24	190	0.43	215	0.20
124	0.15	190a	0.53	221	0.17
125	0.14	191	0.70	222	0.19 (15)
126	0.24 (6)	192	0.82	223	0.22
126a	0.22	193	0.17 (12)	230	0.72
136	1.15	193a	0.19	231	0.29
136a	1.27	193b	0.24	235	0.17
137	0.63	193d	0.26	235a	0.19
142a	1.80 (7)	193c	0.29	235b	0.22
142b	4.20 "	193e	0.36	235d	0.29
142c	0.50 "	194	0.17 (13)	235f	0.31
144	1.33	194a	0.19	235g	0.12
147b	0.70				

- 5) Both threaded pins with plain shaft.
- 6) Slotted trunnions, Argentine design.
- 7) All tyres in black synthstic rubber.
- 8) With threaded transversal hole (brass).
- 9) Transmission bands of neoprene.
- 10) Separate five spoked red moulding, attached at the black wheel with a long brass boss.
- 11) All flexible plates enamelled, not litographed.
- 12) In transparent PVC.
- 13) In yellow PVC.
- 14) Six holes.
- 15) All triangular flexible plates in enamelled metal.

-X-X-X-X-X-X-X-

b) Non Standard Parts (Manufactured only in ARGENTINA).-

IMPORTANT NOTE : As a rule, we don't maintain stocks of non standard parts. They are manufactured by special request, and to be able to secure an specified supply, a definite order must be placed at least six months before the desired time of shipping. We state that the main reason for the delay is as follows: all the raw materials used by us are specially produced with our own specifications, and the delivery dates are from ten to twenty weeks after the placement of the order. Under such circumstances, we suggest to the potential customers to place a definite order no later than November 30th of a year, so we could be able to insure ample supplies during the following calendar year. This will give us time enough to arrange our production schedules, and satisfy in full all the orders received.

The parts marked (1) in the list given below are new introductions to the range of non-standard parts. Tooling for manufacturing them has been completed, and samples can be furnished on request, at the prices quoted. Supply will be ruled by the statements already written.

<u>Part No.</u>	<u>Description</u>	<u>Price ea.</u>
1c	Perforated Strip, 24 1/2" long, 49 holes	1.73
1d	" " , 18 1/2" " , 37 "	1.37
1e	" " , 6 1/2" " , 13 "	0.36
1f	" " , 15 1/2" " , 31 "	1.12
7b	Angle Girder, 15 1/2" long, 31 holes	1.62
8c	" " , 6 1/2" " , 13 "	0.88
9g	" " , 1" long, 2 holes	0.24
11b	Double bracket, 1/2" x 1" x 1/2", 1 x 2 x 1 holes	0.17
19d	Pulley, 3" diam., without boss	1.22
20c	" , 2" " , " "	0.72
26d	Pinion, 15 teeth, 1/2" long	2.74
26e	" , 15 " , 3/4" "	3.56
26f	" , 22 " , 1/4" " (to mesh with 27e)	2.68
26g	" , 22 " , 1/2" "	3.30
26h	" , 22 " , 3/4" "	4.20
26k	" , 30 " , 1/4" " (to mesh with 27g)	3.82
26m	" , 10 " , 1/4" " (to mesh with 27h)	2.20 (1)
27e	Gear wheel, 55 teeth	1.84
27g	" " , 45 "	1.67
27h	" " , 65 "	2.10 (1)
51a	Flanged plate, 1 1/2" x 1 1/2", 3 x 3 holes	0.50
52b	Flat Plate, 3 1/2" x 7 1/2", 7 x 15 holes	2.25
52c	" " , 3 1/2" x 9 1/2", 7 x 19 "	2.87
52d	" " , 3 1/2" x 12 1/2", 7 x 25 "	3.75
54a	Flat Sector Plate, 4 1/2" long (9 holes), 25 to a circle	0.93
59a	Small collar, 5/16" diam., x 7/32" long	0.40
62c	Double arm threaded crank	0.79
63e	Long coupling (4 holes)	2.00
71	Flat Plate, 3 1/2" x 2 1/2", 5 x 7 holes	0.70
74a	" " , 2 1/2" x 1 1/2", 3 x 5 "	0.43
(8) 74b	" " , 1 1/2" x 3 1/2", 3 x 7 "	0.57
(2) 74c	" " , 1 1/2" x 4 1/2", 3 x 9 "	0.72
(8) 74d	" " , 1 1/2" x 5 1/2", 3 x 11 "	0.88
(4) 74e	" " , 1 1/2" x 7 1/2", 3 x 15 "	1.21
(2) 74f	" " , 1 1/2" x 9 1/2", 3 x 19 "	1.54
(4) 74g	" " , 1 1/2" x 12 1/2", 3 x 25 "	2.02
75	" " , 2 1/2" x 7 1/2", 5 x 15 "	1.56
75a	" " , 2 1/2" x 6 1/2", 5 x 13 "	1.29
75b	" " , 2 1/2" x 9 1/2", 5 x 19 "	1.87
75c	" " , 2 1/2" x 12 1/2", 5 x 25 "	2.47
81a	Threaded Rod, 1 1/2" long	0.29
100b	Braced Girder, 6 1/2" v long, 13 holes	1.07
103 m	Flat Girder, 1" long, 2 holes	0.24
103r	" " , 24 1/2" long, 49 holes	2.90
103s	" " , 18 1/2" " , 37 "	2.00
103t	" " , 6 1/2" " , 13 "	0.88
103u	" " , 15 1/2" " , 31 "	1.62
109a	Face Plate, 2 1/2" diam., without boss	0.72
111b	Cheesehead Bolt, 5/16" long	0.07 (1)
147d	Pivot bolt, long (For 1/4" face pinion)	0.90 (1)

Grower washer

0.04

circle plate 311

1. =

Part No.	Description	Price ea.
195a	Strip Plate, 2 1/2" x 6 1/2", 5 x 13 holes	1.10
211	Helical Pinion, 12 teeth, to mesh with itself mounted in crossed axles 1/2" apart. Meshes also with gears 211 a/b (Same DP)	2.50
214a	Quarter Circular Plate, 1 1/2" x 1 1/2", 3 x 3 holes	0.28
214b	" " " , flanged, right hand	0.30
214c	" " " , " , left hand	0.30
215a	Flat Slotted Strip	0.17
235c	Narrow Strip, 2" long, 4 holes	0.14
235h	" " , 6 1/2" long, 13 holes	0.40 (1)
235k	" " , 7 1/2" " , 15 "	0.45 (1)
236	Double Angle Narrow Strip, 2 1/2" x 1", 5 x 2 holes	0.34
236a	" " " " , 2 1/2" x 1 1/2", 5 x 3 holes	0.47 (1)
236b	" " " " , 3" x 1 1/2", 6 x 3 holes	0.50 (1)
236c	" " " " , 1 1/2" x 1/2", 3 x 1 holes	0.19
236d	" " " " , 2 1/2" x 1 1/2", 5 x 1 holes	0.22
236e	" " " " , 3 1/2" x 1 1/2", 7 x 1 "	0.34
236f	" " " " , 4 1/2" x 1 1/2", 9 x 1 "	0.47 (1)
236g	" " " " , 5 1/2" x 1 1/2", 11 x 1 "	0.50 (1)
237	Narrow Fishplate	0.06 (1)
238	" Double Bracket, 1/2 x 1/2", 1 x 1 x 1 holes	0.18
238a	" " " , 1/2" x 1", 1 x 2 x 1 holes	0.20
238b	" " " , 1" x 1/2", 2 x 1 x 2 "	0.21
239	" Angle Bracket, 1/2" x 1/2", 1 x 1 holes	0.09 (1)
239a	" " " , 1" x 1", 2 x 2 holes	0.21
239b	" " " , 1" x 1/2", 2 x 1 holes	0.18 (1)
240	<i>Narrow</i> Obtuse Angle Bracket, 135°, 1/2" x 1/2", 1 x 1 holes	0.09 (1)
242	" " Girder, 135°, 1 " long	0.24
242a	" " " " , 1 1/2" long	0.27
242b	" " " " , 2" long	0.31
242c	" " " " , 2 1/2" long	0.34
242d	" " " " , 3" long	0.36
242e	" " " " , 3 1/2" long	0.39
242f	" " " " , 4 1/2" "	0.48
242g	" " " " , 5 1/2" "	0.60
242h	" " " " , 6 1/2 "	0.88 (1)
242k	" " " " , 7 1/2" "	0.91 (1)
243	Narrow Reverse Angle Bracket, 1/2", 1 x 1 x 1 holes	0.18 (1)

-X-X-X-X-X-X-X-X-

Σ = 14.85

NOTES : All gears, brass or steel, have fully machined teeth (hobbed), not cast or stamped.

Parts are enamelled with a hard wearing outdoors automotive lacquer. Plated parts are coated with either nickel or passivated zinc.

VERY IMPORTANT: From April 1984, all brassware, gears and axle rods are coated with a heavy film of nickel, in order to prevent early tarnishing, and to provide smoother and harder wearing surfaces to these important mechanical parts.

Tyres and rubber rings are moulded in black synthetic rubber; transmission bands are of neoprene.

The colour scheme of parts is as follows: blue and yellow identical in shade with the parts produced by Liverpool from 1970 to 1977.

Pulleys are red and, likewise will be the big circular parts to be manufactured shortly.

We can't possibly furnish parts with a finishing different of the already stated.

Besides the non-standard parts detailed in pages 3 and 4, we have decided to begin manufacture of the standard and non standard parts detailed below. We consider that the task ahead will take a couple of years or so, but we are able to state that tooling for parts Nos. 143a, 145, 145a, 145b, 146, 146a, 146b and 167d has been completed, samples has been produced, and we intend to begin production at the beginning of the season in the Northern hemisphere. Others will follow, but we can't determine exactly, at present, the date of introduction of each part listed below. We would emphasize that we have been able to introduce 18 new parts, from November 1982. These parts are described in the previous pages, and are now available upon request.

Entirely new parts are marked (+)

<u>Part No.</u>	<u>Description</u>
(+) 30d	Helical bevel, 42 teeth, 1 3/8" diám.
(+) 30e	" " , 21 " , 5/8" "
	(Note: these bevel gears, whose teeth have an angle of about 20°, for extremely smooth meshing, can only be used together. Part No. 30d will be drilled with six holes so spaced that a compact spur gear differential can be built using 15 teeth pinions)
(+) 38b	Spring washer, Grower type
(+) 38a	Thin washer, 3/8" diám.,
(+) 59b	Long collar, 5/16" long, 3/8" diam., with transverse bore.
(+) 69d	Hexagonal socket grub screw, 5/32" long.
116a	Fork Piece, small
118	Hub disc, 5 1/2" diam.
123	Cone Pulley
140	Universal coupling
140y	Four threaded hole collar for 140
140z	Shoulder bolt for 140
143	Circular girder, 5 1/2" diam.
(+) 143a	Flat Ring, 6" ext. diam., 4 1/2" int. diam.
(+) 145	Circular strip, 7 1/2" diam. (Improved design)
(+) 145a	Toothed circular strip 7 1/2" diam., 150 teeth, DP 20, to mesh with pinion No. 145b (Note: the teeth of this part are fully machined, not stamped)
(+) 145b	Pinion, 1/4" long, 5/8" diam., 10 teeth, DP 20, to mesh with 145a at standard center distance (Nickelled steel)
(+) 146	Circular Plate, 6" diam., (Improved design, with 16 holes around the periphery, and elongated holes like 146a at center)
146a	Circular plate 4" diam.
(+) 146b	" " 3" "
(+) 147l	Pawl with boss, left hand
(+) 147r	" " " , right hand
148	Ratchet wheel
164	Chimney adaptor
165	Swivel bearing
(+) 167b	Flanged Ring 19 7/8" ext. diam.
(+) 167d	Flat ring, 10 7/8" ext. diam (This part has 32 holes, 16 circular and 16 elongated around the periphery. It is made of heavier material, about 0.05" thick)

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Part No.	Description
(+) 167e	Roller, for roller bearing. (As it could be noted in the list of standard parts, part No. 20b has been withdrawn from our range. It will be replaced by part No. 167e, an extremely strong part, consisting in a solid turning of aluminum alloy, not recessed, and fitted with a brass boss. Its exterior diameter will be the same as part No. 164, so it will fit part No. 163, Sleeve Piece, in the same way as part No. 20 fits the Cylinder No. 216. Its design will allow easy swivelling of heavy structures)
(+) 241	Narrow double bent strip.
(*) 244	" reverse angle bracket, 1", 1 x 2 x 1 holes
(+) 137a	<u>Last minute inclusion:</u> Wheel flange, 2 1/2" diam, to fit part No. 146b.

-x-x-x-x-x-x-x-x-x-x-

Furthermore, besides the already mentioned parts, whose tooling is well under way, we are looking into the possibility of manufacturing the following parts:

About 35 electrical parts of the former Elektrikit.  
 A set of thick axles, 5/16" diam., with the corresponding adaptation parts, to complement the existing range. This will bring a solution to a problem forever present in the construction of heavy vehicles, or translating structures with Meccano. We consider also the introduction of a set of toothed discs, with a central hole of the same diameter as the thick axle, to be able to convey motion at the corresponding turning parts (flanged or tyred wheels).  
 A set of pivot axles with conical end, and a pivot bolt, for obtaining extremely free running in clocks, instruments, and the like. We have experimented with a Mecanograph using this type of bearing, and the effect was rather astounding.  
 At last, but not least, we are looking for an electric motor appropriate enough for driving satisfactorily heavy Meccano models. We consider that the standard motors used till now have many shortcomings, and are entirely unable to satisfy the serious Meccano constructor.  
 As a summing up, we are striving endlessly to lift Meccano from the condition of a good toy for childrens, to a system of model engineering able to cater for the needs of a real engineer. We hope fervently for success in this affair. It will be, undoubtedly, a blessing for the legion of Meccano enthusiasts around the world, after the dismissal of Liverpool, and the lack of interest of the French Company.

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