

MCS DATABASE 2019: Intro; Notes; Abbreviations.

GENERAL

The Database parameters are those thought to be most useful, and they have been taken from MCS, OSN, and other sources. Where possible dimensions have been checked by actual measurements, but even then it should be remembered that they have often come from a single sample. Variations may occur from wear, manufacturing tolerances, or changes deliberately made by the manufacturer at different times.

The basic sort is alphabetical, with COMMENTS opposite each entry that contain additional information, and notes that may help to bring the system to mind.

In order to get all the information across one page opening, many abbreviations (codes) have been used. These, which sometimes vary from column to column, are shown in lettered groups on the rear cover. Where abbreviations are used in a column, the appropriate group letter is shown at the head of the column. The only exceptions to this are the narrow columns that separate the main columns. They are normally empty but sometimes house the abbreviations given in Codes A - these have the same meaning in all the 'narrow' columns, and they always relate to the entry on their immediate left.

Except in the DATES column one or more hyphens (-- for example) indicate that the feature doesn't exist in that system. Blank spaces show where data are lacking.

Reference codes (see below) & elsewhere.

NOTES ON THE COLUMNS

REF (Reference Codes) These are used mainly to help in moving from one page to the opposite one, but also sometimes to save space in the COMMENTS. All are listed after the Database.

NAME The names of the systems generally follow MCS practice except that Cyrillics have been transliterated. MCS is not entirely consistent in that sometimes the maker's name is given followed by the name of the system, and sometimes one or other is used on its own. Partly because of this some cross-referencing has been included, particularly where there are differences between the names in the /NZ & /FB versions of MCS. MCS names that are not used are still included but with no details, and the new Name is shown in the Comments column. Where different names have been used for one system, in different markets for example, or in the same market for bilingual sets, all the names that are known are listed, but the full details may only be included once, with cross-references to & from the alternative names.

The brand names of sets covered by POLYLONG in this Database are listed after the Database.

Mfr (Manufacturer) This column needs completing but the intention is to give the manufacturer if more than one system has come from the same maker, or, in some cases, where a system has been made by more than one company. Codes used so far are at 'B'.

TYPE (of System) Each type of system is allocated a two-letter codes from List 'C', using the priorities given in OSN 4/72. A second code can be used to allow cross-referencing, but so far this has only been employed to a limited extent.

CY (Country) 'D' Codes. This is the country of the company that made the system itself or who had it made for it, unless the name was changed for a specific market. Thus STEEL TEC was made in China but is listed under U.S.A. because the parent company, REMCO, is American; and BUILD-X, though the parts were MERKUR, is Canadian because the name was used only in Canada.

-DATES- (Manufactured From---To) The Years are

shown by their last two digits, spaced apart by 3 hyphens. They are followed by any necessary qualifying Codes ('E'), which for the start year supplant one or more of the hyphens. To avoid confusion, 19th & 21st century years are shown in green & red respectively. End dates in particular are often uncertain because products were in the shops well after production ceased.

Matl (Material) This shows (Codes 'F') the main materials from which systems are made; brassware or a few plastic parts are not noted.

THREAD This column is the thread of the Nuts & Bolts. Common abbreviations are used rather than Codes, and examples are shown at 'G'.

BS (Boss) - THREAD Codes for the types of boss are given at 'H' The threads used in tapped holes in bosses are again at 'G'.

DP (Diametral Pitch) The value given, to nearest integer, is for straight gears. The corresponding value of the Module is usually given under COMMENTS if it looks as if it was the original parameter.

Parts (No of different parts in a system) Tools are counted, except special tools in DIY sets, but not literature. Where a system existed over a long period of time, all different parts are included in the entry, even if they were not all current together.

Pitch (Hole pitch) Given in mm, see Codes 'I'.

dST, dBS, DAXL dST is the i/d of holes in Strips or the nearest part if a Strip wasn't available to be measured. dBS is the diameter of the bore of bosses, but is not given for 'eyelet' bosses unless the internal diameter is inappropriate to the size of the Axle. DAXL is the o/d of Axle Rods. All values are in mm with normally 1 decimal place. Integer numbers denote poorer information, sources often give nominal sizes. 'm' after any of these values, & after the hole Pitch, indicates that the total variation found was more than 0.1mm, and a mean value has been given. (dBS & DAXL were often quoted to 2 decimal places in earlier editions of this Database, but the variations often found, & the difficulty of measuring bores accurately, did not justify continuing such precision)

A 't' in the narrow column after DAXL indicates the use of Threaded Rods (or Bolts) as axles in the system, with, unless otherwise noted under COMMENTS, the same thread as the N&B.

NB N is the shape of the Nut, B that of the Bolt head - see 'J' Codes.

MF M and F are the material and finish of the Nut and Bolt, as given by Codes 'F'.

A/F The size of the nut across flats in mm, see also the Codes 'K'.

DHD The diameter of bolt head in mm (or A/F for hexagonal heads).

COMMENTS Most of the abbreviations used are in Codes 'L.' Some others from Codes A-K also occur and their meaning should be obvious from the context.

MORE INFORMATION PLEASE

There are many gaps in the Database & if you have any information on any of them, or spot any errors, please let me know. Equally suggestions for improvements in the layout, & any other comments, will be welcome.

REF	COMMENTS
	L plus some A-J
1OT	Strips & DAS have cutouts inside edges between holes; joined by bifurcated Clips & N&B. Wheel Disc embossed with 8 spokes, or 4 ea sm/lg holes. *Scaled from 7h Strip; 1" from 3h Strip.
1TO	Name on a card to which a Louis Marx 'Match Box' set is clipped. A boy & a girl are shown on the card on either side of the set.
AAR	Ref: <i>Baukästen</i> p328. No details.
ABR	Like TRIX but wider range of parts, some of which are as TEKNO [1] & TEKNIK [1]. Chair-O-Planes on manual cover. * 8.0 also rep'd.
AQA	Name only.
ATM	PÈRE NOËL in MCS. Also called AÉRO MACREZ NOËL, A- TECHNIQUE, A- TECK NIQUE (error). Some coloured plas parts in some sets. Ready made, & sets for specific, models may exist.
AJT	Development of DAN DARE, with no A/Gs but some new parts to make a range of jet aircraft.
AJU	Wood rods made fr semi-circular Rods (6mm rad.) held together, & joined one to another by steel Clips. *inc 7 cardboard Pl. *Also patent date. *Whls run on the ends of 2 Clips, 1 at each side.
AKN	* STAHL-LEICHTBAU-KASTEN AKRON. Flex Strips with spiral spring fixing. Strips 3h wide: pattern is 3h, 3x1h w large semi-circular cutouts each side, 3h, etc.
A I	Known from a Bral ad in a manual said to be from the 1940s. The parts look like standard BRAL Aero and that is the source of the data shown here.
ACN	Coloured match splints (to be cut to length) push into flimsy formed sheet aluminium Unions to make frameworks. Name not used in original ads by Balfour Supplies Ltd.
ALE	Name only.
ALX	One set is virtually as a later MIGNON No.3 except the lid label. Data assumed as MIGNON.* The 2 known sets were found in Switzerland but the name was registered in France (in 1947).
AMP	PRODUCTIONS. Unit sets with parts identical to CONSTRUCT but smaller range. Axle & N&B data from CONSTRUCT. * 3/8" exactly. * Crank Handle, no Axles. See MÉCANO-A.L.N.
ALF1	Parts like 50's MECCANO except Flgd Sector Plate 7h long, 7h 126,a & MÄRKLIN type Hook. *Some manual models from MECCANO 1954-61 period.
ALF2	Pts inc Bakelite Rd/Ply Whls, Helical Gear. *c.70 poss. *5/32W also poss w brass N&B. *Mod 1.5, & small-tooth Gears, DP/Mod 39e/65).*Inc 9 for Kanonen set *& 11.5 rep'd.*R also shown.
ACO	CONSTRUCTION. Str not sq ended as shown. ELGIN pts same, & prob EASY-DO. *& standard 6BA N&B also known. *Cr Handle only. *Sq Nuts on box. *Some Nuts BB not F as in PL.
ACS	CONSTRUCTION. Quite similar to GIRDER BILT & by same maker. Also similarities to JUNIOR MECHANIC, made in same town. All have Strips wrongly shown with square ends.
AMB	Ridged & flat Plates. cf CASTLE BUILDER. Spanish version EL CONSTRUCTOR DE MODELOS MECÁNICOS. *-* Also 7.1-7.5mm R head. * Also brass, & nickel plated.
AM10	Many parts like MECCANO & MÄRKLIN. AMI, the maker, was taken over in 1955 and became AMILAC. Data probably as AMILAC except not as many parts, but needs confirming.
AMI	Many parts like MECCANO & MÄRKLIN, but some others. * Said to have produced sets for short period starting 1922/23, & restarted 1956 after take-over of firm AMI which made AMI sets.
ANC	UK name for IMPERATOR. Strips clip into Hubs. Called LITTLE ANCHOR ENGINEER & ANCHOR ENGINEERING in 1914/22 G&T ads. Axle has flat. * In Hub.
AND	Specialised parts, mostly red, blue & gold, with few holes to make small range of models - Cranes, etc. Gnom & Gigant outfits. * To suit models.
ANK1	Lid not seen, man cover w man & boy at bench w model. Sm selection of normal pts, inc 5h Trunnions, but also 6 Gears inc a Bevel. 'Made in Germany during WW2 & sold in Japan' is incorrect.
ANK2	Lid has a boy looking at name made of Strips with METALLBAUKASTEN underneath framed with Strips. Parts include Plates & Strips which look black in snip. Also 5h Ø Plate & small Pulley.
AKR	Alternative names for IMPERATOR q.v. cf ANCHOR ENGINEER. Dates from IMPERATOR.
APN	Name only.
ATR	Card Panels, metal Brackets, Paper Clips, cf BUILDO [2]. * 1927 patent.
ARG	Wooden Blocks with Rods & J-Clamps as or similar to ROBO/LIL'N-GINEER, but a few extra parts and more sets/models.
ARK	Sets: mechanical, architectural & combined. Parts push/clip together; Collet fixed Wheels. Most parts stamped ARKIRECTO. * for Collet. ** 3.25; 2.6 also rep'd.
AMA	No other details.
ARC	A small system with brightly coloured MECCANO-like parts. The featured models for the 8 sets, with 80-260 parts, look to be original.
AMT	Rods probably screw into cube-shaped Joints. * 14 also rep'd.
ARO	Set as CASTCO's Make-A-Bike except for 2 extra parts and text in Spanish. Data taken from CASTCO. * Bolt is Set Screw for J-Clamp.
ARM	Poor quality parts including 3*3.5,9.11h Flgd Plates & 2*1*11h 'L' Girder. May be related to EL EXPERTO MECANICO. * Other heads may exist.
A M	Appears to be identical to WENEBRIK.
A-M	Unusual parts: 4h wide Perf Plates with slots along on outer, & across on inner rows; flat topped Trunnions; Face Plate with 4 long radial slots. * Mod .75.
ATL	Name only.
ART1	STABIL sold under this name in France. Details taken from early 1920's STABIL parts & MCS entry.
ART3	WALTHER'S INGENIEUR sold under this name in France, originally called INGÉNIEUR WALTHER. Série 2 was Walther's RECORD, a wooden system. *Inc 16 wooden.
ARW	Main parts: 4,8,12h Strips; 4*8h Flgd Plate; 3*7h Perf Plate; 2h wide Flat Trunnion; 2*4*2h DAS; 2*2h A/B; 1" Disc. * Also square Nuts, same size; HC in manual.
ASS	1* DINKY BUILDER-type system but more, larger parts. ASSEMBLO cast into Whl pts; a few pts stamped ASSEMBLO Bte SGD. *Poss pre/postwar periods. *Hole only in centre of 'braced' Pl.
ATA	Plain Strips, A/Gs, Rods, Wheels various, Flgd Plates, brassware in plain wooden box. Some irregularities in Strips.
AUK	Most parts A but most circular parts FN. Later parts coloured. Lids have 2 boys playing with models on a table. * Roundheaded Bolts in some sets.
AKI	Models, parts similar to Gilbert New Wheel Toy but no Gears. * 30s or WW2a also rep'd. * others possible. * in Formed Collar. * 1) including 3 wooden. 2) + Fixings. ** & others. * & 6mm.
AAB	Ref: MCS, name only. Name on lid of the WIDES Lorry set.
A-T	Special parts to make cars. * Name on Dutch manual but German name AUTO-CONSTRUCTOR still on some illustrations. Sets with this manual still called AUTO-CONSTRUCTOR.
A-R	Special parts to make cars & 'plane. Dutch man'l called AUTO-CONSTRUCTEUR. *Or earlier. ***Collar only, 3.2 bore also poss. *Steering Column; Back Axle, not seen, may be 2.8 or 3.2 Ø.
A-C	Many special parts for (motor)cycles, 'planes, car, but other models inc a Crane. * AS+CR. * In various parts. * 3.0 in 25mm Pulley. ** Hex Bolt may exist but only Nuts/Screwed Rods listed.
AGR	By makers of BRAL. Set to make one Ferrari with probably many special parts. * Only seen in poor illustration of Set.
ALB	Mentioned as new US constructional toy with wood & metal parts, in G&T 5/15.
AUTa	Data for 1961. *GE > '65. * also M5,M8. * also M2.6 M5. * Mod .75. * also 2.5.
AUTb	Data for 1993. Frameworks fr sq alloy Tubes & other sections instead of A/Gs. Also COMPACT gear demo units. *SW< '65. *& M6,M8,M10. *some d/t.. *Mod .75. *& 6mm *slotted head Bolt.
AUN	VENTO (earlier name) in OSN. Parts only, no sets. Wheels etc probably push fit on axles. Parts must be cut to length. * Inc 4 long plastic Plates & Strips. Name used in MCS. See AUTOMAT - SMP stocked their products.
A-A	A set with plain aluminium parts to make a Racing Car about 30cm long powered by a C/W Motor. * No doubt from the 1930s-40s period.
A-N	The only set known has brown painted parts to make the Lorry on the lid. The Wheels are made from fire switches.
AMR	Set 50 & 51 seen on Ebay, each for a 23cm long Lorry, identical save the Wheels, with red & blue dedicated parts. Parts joined by tabs into slots and bent over. * In Set 50/51.
A-X	Dedicated parts for 1 Car with TRIX Elec motor and N&B. Also a non-constructional Car with C/W Motor.
AVI	Several phases w parts joined by some N&B but most clip or slide into each other. * Most likely. * Approximate in each phase with some common to all. * Some larger. * Nut brass. ** Typical.
	See CONSTRUCTIONS RM [a]. Both names on lid.
	See CONSTRUCTIONS RM [b]. Both names on lid.
AVO	Parts to build Planes & Cars.
AVC	Basic system with parts similar to MÉCAVION but aluminium.
AWS	Parts include some unusual shaped Plates for certain models.
B_B	Set for only one type of model with framework of diecast Panels & roadway from wooden Slats. Parts assemble without N&B. * Known 1950 possible.
BAN	No details. Ref: OSN 9/235 & 18/522.
B Z	This name or similar seen in Canada, & might possibly be repackaged MERKUR.
BAT	Probably BAUFIX for French market. Parts seen .5 thick. * 10/11 for large/small holes in Disc. * Small holes in Disc, 2.4.

REF COMMENTS

- BTS Wooden Bricks on steel Rods w trim various. N&B for only specific usage. **26 wooden parts, 13 steel Rods, other parts: 14 metal, 16 fibre, 22 card, 1 rubber. **Steel Rods are tight fit in holes.
- BBS 1 of 4 sets for TV models seen. Probably few common parts. * 2nd name METAL MECHANICS. * © date; on sale in UK '04. * In Ronin set. * & larger for stub axles. * typical. *M3: 5.4; 5.1.
- B S Lid of the #1 set seen has boy with Crane in dockside scene perhaps inc other models. Strips, Pulleys, etc, w special Plates etc for (a?) Crane(s), & maybe other models. No other details.
- BFX Strip holes extend out to alternate sides. Parts prob as BATIFIX, CREME ECLIPSE, SIMPLEX, but 2 thicknesses seen. * 10/11 in large/small Disc holes. * Mean; small Disc holes 2.4. * & R?
- B-K Black 5-11h Strips with large-radius ends, 5x11h Flgd Plate, 6h Wheel Discs. Probably Loose Pulleys (possibly silver) with Tyres. Lid yellow with black Lorry & Trailer.
- B R Wooden Blocks with Rods joined by J Clamps. Also called ROBO. Looks very like EL INGENIERO MECANICO. * Grub Screw In J Clamp. * In Blocks.
- BAU A book called Bauspiele on how to make plywood & tinplate parts, & models from them. * As needed. * Also others.
- BAY 3 Braced Girders, a Plate, Pulley, spoon-ended Strips, & small parts. But perhaps others.
- BBC Name only.
- BBM Name only.
- BVR Probably related to KONSTRUKTA. * Bush Wheel & Collar d/t, dia 5/16".
- BEK Set for only one type of model with parts which assemble without N&B. * Company known until 1955 making other products.
- BLX TRIX-like parts but 10h Wheel Disc; 10, 15h Strips; & DAS with different holes. * In Set A. * 7.75 also.
- BEL Parts similar but some not identical to ARWILL, & 1*6*1 DAS instead of 2*4*2h. Models completely different.
- BEN Some slightly unusual pts inc large tooth Gears inc combined Gear/Bevel. DIY plastic Plates from Sheets in 4 colours, & Tool to punch holes. *4.3-4.5 in other parts. *Mod.2.5. *Crank Shaft only.
- BEG Nr.1 models show Strips, Flgd Plates (inc 7h Flgd Sector Plate), Pulleys. Manual cover has mountain scene with lake & fir trees. * Used in Nr.1 models.
- BER Many aluminium parts at first but later most structural parts & some others steel, nickelled or painted. * Most Gears d/t. * Mod 1. ** Nuts BB or FF; Long Bolts FF w 6.9 RH or CH.
- BES Parts to construct simple Electric Motor mounted on a red fibre Baseplate. * & 4mm mounting holes. * rotor shaft with 2mm dia ends.
- BBT A name mentioned on the HANDY SET model sheet, but could it be a mistake for BETTAFIT?
- BET Parts inc M52 with 1 slot, 9h M54, 15h Str, 5h Trunnions with 45° side slots, 2" Pulley, White Rim Wheel (double sided, flat centre), & Radiator Plates. * But 1/8W (RH & hex Nuts) found w parts.
- B-J Generally TRIX-like but nickel or chrome parts, & poor quality. Pulley Disc has no holes & a Rubber Ring fits a made-up pulley. Card Windmill Blade.
Name in MCS/FB for VINTIK I SHPUTNIK.
- BDK Known from a model leaflet showing MECCANO models, & a manual with original models. Parts includes cast, 6-spoked Wheels. It may be the correct name for BUILD-A-KIT.
- BDL Strips with forked ends spring into Angles. Wheels but no Pulleys. * Reputed date of Xmas ad, 1929 for sure. *- Only Screw is in U Collar. * A few 3.5, & in Angle.
- BDA Cardboard parts held together by push-fit Pegs & Rods. *1½", also 3", 1", ¾", & others.
- BDI1 Thought as EREKITT w sim lid, 2 boys & a girl playing w models. Pts: Rods & Str push into Clips. Str have sl crenellated edges. Data fr EREKITT. **Prob after EREKITT during WW1, w short life.
- BDI2a 'Made for M&S' on apron. Lid w crane & port/industrial scene. Most pts as LYNX. MADE IN ENGLAND on Plates. *4BA poss. *As seen, MCS 12.8, a 21h Strip 12.6. *Also seen, Str, Brkts 4.2.
- BDI2b Same lid scene but probably with set number. Model Leaflet like LYNX. Parts like BILDICO [2a] above but holes larger. * In No.1 set. * Holes were possibly smaller at some stage.
- B K Said to be at least 2 sets similar to ERECTOR selling at \$1 & \$2.50. Is this HUSTLER BILDKRAFT?
- BLO Probably flat Clips instead of N&B. They went through holes & then the head & tail bent over to give a U. Holes may be star shaped. * Possibly Set Screws.
- BRJ Tool to punch holes in ¾" wide wood Strip, & in aluminium Strip to make brackets.
- BIL 3/32" steel Rods, bent or cut to length, push into 4-way sheet steel Connectors with sockets which can be bent up to any angle. Other parts: Pulleys, Spoked Wheel, Tyres.
- BEZ Vertical panels slide into floor/ceiling squares. No wheels or pulleys. * 1921 also rep'd.
- BLT1 Lid w 2 Cranes & Lifting Bridge. Details fr #4 set w 11x5h Pl w only edge h. Most pts sim VOGUE inc Str w 45° corners. *3/32W also: SR FF 6.3 4.8. *Also ¼" Ø, w Whls & Flat Trun to suit.
- BLT2 Lid w Plane, Trike & Motorboat. Parts similar to BLT1 but larger holes. Also normal instead of ¼" Axles & the 11x5h Flgd Plate has no centre 5 holes & BILT-E-ZE stamped there.
- B C Name in US (& other?) markets for STRUCTATOR q.v.
- BLA Followed almost identical FIFA. Nr.1 set seen has Strips, DAS, Brackets, Discs, steel Screwed Rods. Lid has 2 boys with models with name down each side. * In Nr.1.
- BOB1 Steel Rods, aluminium Pulleys & Plates. Joints marked PATENT & G.Ni.K. Much like BOB2 & BOB3 except plating. ** In Joint; in boss: RBB, DHD=5.6.
- BOB2 Joints marked BOB B.SCDG. * & 60l rep'd. * Wooden Wheels, card Plates in early sets. ** & s. 3x.6. * & 3.0 (steel). ** In Joints, & CFF 5.0; in boss: RFF, DHD=7.3, & RFF 5.5.
- BOB3 Alloy Rods in sets. Joints marked BOB. Plates are different to BOB2 which in turn differ from BOB1. Outfits included theme sets for small Vehicles & Aircraft. * 50l also rep'd.
- BCM *CONSTRUCTION. *Bilingual METALEN CONSTRUCTIE DOZEN. METAL CONSTRUCTION BOXES & METALL BAUKASTEN on some lids also. Pts as TEMSI, so prob same maker. * & 4.1 poss.
- BOJ Data for/from a Set 3. It has a 'makeshift' model sheet as label on lid. A set for schools also produced. Ref: *Baukästen* p328, but no details. * Mod.3. * Nut FB.
- BOM * Large coloured metal (?steel) Panels w suitable cutouts, held with aluminium fittings. * From 20 to 105mm, as required.
- BTN Name in MCS/FB & elsewhere for NOMA BOOMTOWN.
- BSH Black painted parts, including A/Gs & a 5*5h Plate with edge & centre line holes. Aluminium Pulleys.
- BUY TRIX-like Strips & Discs, but original parts including 3 sizes of Pulley Disc. Lid labels & manual covers have white on black photo of model. * FF for Bolt.
- BOY Tiny parts assembled using Rivets or Rods with plastic push-fit Washers. Data from my parts, MCS differs. Followed by BRIAN BUILDER. * Also called BOY CONSTRUCTION.
- BCY 1/4" Tubes joined by J Clips, with U Clips for Axles etc.
- BCT The main parts identical with GIRDER-BILT but no 6x4h 'Plate' in the one known set.
- BRL Often pts mkd BRAL & sets named MECCANICO & IL COSTRUTTORE BRAL/MECCANICO. *Later, also 16. *e Nuts FN; then ZI & FB Bolts w *6.0 T hd. Later FQ Nuts, FB/FQ Bolts w *5.9/5.5 hds.
- BRS BRAL stamped on most metal parts. No Wheels/Pulleys. * Data apply to SPACESHIP (smaller than ASTRO). * Nuts are zinc unfinished.
- BRE Motors, bells, etc using mostly non standard parts. * Could be much earlier. * And smaller.
- BRA Range of parts & models not dissimilar to comparable MECCANO set. * & AEREO, COSTRUZIONI AERONAUTICHE. **** 5/32W Nut: ZI; M3 Nut: hex, BB, 7.0 A/F.
- BMN Plain aluminium Strips & Plates, maybe no Wheels. * HB - Spielzeug Bremen, a company name?
- B B1 After BOY CONSTRUCTOR. 7.3mm wide Str w only end h. Card Whls. In 2005 MINIATURE BUILDER sets listed with 3.1 h at ½" pitch & 4-40 N&B. *Also called MICRO BUILDER *Cr Handle.
- B B2 Generic name of sets for various sized Airplanes, Zeps, Cars, & repro Gilbert MECCANO Ship. * Some sets called BRIAN TOYS, BRIANNO, BRIAN AUTO BUILDER.
See BRIAN BUILDER [2].
- BCL 4mm straight & curved Tubes push into Socket Clips which are held together by short Threaded Tubes with Nuts on either side. *Hole in Socket Clip. *Holes in Ply Discs. *Plys run on the Tubes.
- B-T Pressed Bricks on vertical Rods. Includes Strips and Plates. No Wheels or Pulleys.
- BMB Alternative packaging of MECCANO X although finish of parts different.
- BSL Details from manual, where parts look like STABIL. The one, undesignated, set contains all the parts.
- BTB TRIX & special parts to make an electric pendulum Clock. * 8 standard TRIX + 25 special.
Name used erroneously in MCS for TECNICO.
- B-G * English name used in multi-lingual Manual. Wooden Strips & Plates held by steel Brackets. * In wood parts; varies in metal, often 8.75. * 4.2 in metal Brackets.
- BAK Small range of parts in No.4 set seen, cf MECCANO No.2 of 1950s. Ref: OSN 7/170. Actual name might be BILD-A-KIT.
- BAP See GLUCK.
- BAZ See GLUCK.
- BBY Strips, Flgd Plates, etc but joined by pressed out lugs engaging in slots. * Also sold as NORWOOD, the manufacturer. * 3/4" for most slots. * 5/16x3/16" slots; 1/8" holes. * .125".
- BDX *May be fr Australia or NZ. Parts in small MCS models: 5.11(or 15h) Str; 1x5x1h DAS; 5h A/G; 5x211Flgd or Perf Plate; 1"(or larger) Pulley; 12h Whl Disc. All round holes & square corners.
- B M The parts in the Crane on the lid of the only set seen look, apart from their colour, like WISDOM etc. * The set seen was on American Ebay, with English wording.
- B-O Parts are from MERKUR & details are assumed the same. * needs verifying.
- BDO1a As BDO1b but alloy pts. Also motor pts.*Diff maker post '47. *¼"x20 s/t threaded Hubs join Whl/Ply halves. *3.2, 3.6 also rep'd. *F head on long Bolts. *Also: F Nuts; FD M hd Bolts, DHD 5.5.
- BDO1b Steel parts, including 6h long Flgd Sector Plate, 5h Ø Flgd Disc, Eccentric, T-Brackets, Half Pulleys with special Hubs to fit in 6.35mm holes. Other details above may apply, * for example.
- BDO2 Card Panels held to steel members by tiny bifurcated paper clips. * & 6.5mm.
- B-R All or mostly wooden parts.

REF COMMENTS

- B-X Parts & Sets as DELTA-X. Sold under Sears name. Axles have flat to suit some of the bosses. * 25.4 = Mod.1.
A Canadian CONSTRUCTO set manual cover has BUILT-O-MOBILE SET on it without the overall CONSTRUCTO name found on similar sets.
- BUG Parts in green, blue, red, cream. Some are like STABIL but 14h Strip & A/G, and Flat Girders. Cable Car Station on lid & manual cover.
- BUR *Only BAU ANLEITUNG on man'l. After METALL-BAUKASTEN, w same/sim pts, PN's/sets, *but ? when & see PLASTICART/KART. *Mod 2, also gear-like Spkt. *or HC as MBN1. Nuts FK.
- BSI Parts look like simplified MÄRKLIN with red Flgd Plates & other parts blue. * Said to be 1945-50 period.
- BUZ1 Many parts stamped BUZ. Unusual parts are round top 9h Trunnions, 5x5h Flgd Plate, 2h wide Hinge, 3h strip Hook. * Also 4.1. ** Also (H&S)R FN.
- BUZ2 Initially many parts listed as BUZ1 but + 5*9h Flgd Pl. ? sets at that stage but later only (about 68) parts in new sets 1-4 with new man'ls & colours. Only a few parts stamped. * Sq Nuts in man'l.
- BOL Name only.
- CAM Name only. Another name CAMIONELI has been listed elsewhere.
- CSI Parts seen are like MODELIT [a] but differ slightly in dimensions. N&B data need confirming.
- CCO 1 set known: MAKE-A-BIKE. * Bolt is a pointed Set Screw for J-Clamp with small cheesehead.
- C Ba Lid has boy with Railway Signal Gantry. Pulleys, Gears & some other parts as illustrated, and their names, are identical to AMERICAN MODEL BUILDER. Plates look like MODELIT [a].
- C Bb Lid label as C Ba but Plys, Gears & some other parts as illustrated are identical to STRUCTO. Some Pl look like MODELIT [a] but w rounded corners. More original pts inc Latticed Girders.
- CHAA Lid label has an Arch Bridge with a Ship under it. Parts include Frames, Strips, Girders, which mostly push together, quite unlike CHARPENTO [b]. ** In 5h Strip; 20.0/3.3 in 'Braced Girders'.
- CHAb Lid label is B&W with rail track, sports car, motor launch, plus various model Frameworks. Parts are Beams, Trusses, Panels, etc to make buildings, bridges. * 20e also rep'd.
- CLI Unusual w Thr'd Rods as axles but larger Ø than N&B, w some holes larger to take them. Main pts are 3h Str, 3.5, 11h A/Gs, Whl Disc. * & large hex Nut. *both Nuts look brass, Bolts nickelled.
- CIG Many parts MECCANO pattern but also many original. Gears include Bevels & Helical. *MCS says over 200 but reproduced text therein seems to say over 300. * Most but 4.1-4.5 in a few.
- CIT Special parts for a Garage, & each of 2 Chassis, + fittings for one of them. * Non-ferrous Nuts.
- CLF Rods joined by 'Springs'.
- CLP Rods held by Double Spring Clips. Same maker as, & compatible with, STOKYS. * Standard STOKYS Set Screw unless Grub used.
- C-C Boltless. Aluminium Rods and Multi-way 'Terry' Clip fasteners. Wooden Wheels.
- CLR Rods held by clamps with rectangular in-fill Plates. * Hex Bolt shown but said to be square.
- CLU Box sleeve has CLOU w boy, Train, Gun on top; SÄKERHETS TÄNDSTICKOR w cross, 4 medals on btm. Pts (sm Flgd Pl, 3,5h Str, Ply, Rod with push-on Washers) & models similar to MBC2/3.
- COL Strips, A/Gs, Brackets have rolled socket ends and are joined by Rods through them. * Patent date.
- CAC A set for simple Mobile Crane w dedicated pts & lid has boy building it w red pts. Main ps are tinplate balloon Whls, Chassis Pl, Cab sides, Base, Top, formed Jib Strips. All blue except black Jib.
- COM Parts to make buildings. Only name known.
- CCR Set to make various Lorries & tracked vehicles using special parts.
- CNV Set to make Ships using special parts.
- CPO Set with silver parts to make mainly WW2 & early post-war aircraft including jets. Some Ebay sets have mostly green parts with a few red.
Name used in MCS. See AUTOMAT – SMP stocked their COMPACT Units.
- CON Pts inc: M52 with flange slots; 3h M11a; 5h Trun w 2 vertical side slots; BRAL Braced Girders w solid centres; 3x5-11h Flex Plates. *possibly after. *Also 14.5, Mod.1.75 (4-spoke Gears).
- CRD Said to have followed GECCO and to be like it.
- CNC Parts held by Clips. These & Brackets are made from special Strips using Tool provided. cf VLN, EMA. * & 46-50+ rep'd; name registered in 1947. *--** Set Screw. * about. * varies.
- C L Manual cover has a boy?/girl on floor with set & 2 models. Main parts: Strips, Pulley, Wheel, Wheel Disc. * Probably about 1/2", but a few parts like STABIL so possibly 12.5mm.
- CMR Alternative name used for MONTEX [2].
- C C Copies of MÄRKLIN parts/models, but in leaflet some parts are wrongly shown like MECCANO. * Only produced for a few years. * MÄRKLIN-type Rings so probably 14.5.
- CCT * Probably but a 'Unit' set, with smaller range of same parts, called ALLWRIGHTS MECHANICAL CONSTRUCTIONS may date from late 30s. * 3/8" exactly. * Crank Handle, no Axles.
- CTA1 Lid has boy working Crane carrying the name CONSTRUCTA. Pts generally MECCANO-like but a number like STABIL & some MÄRKLIN. *Poss much earlier. *At least. *Guess, might be 12.5.
- CTA2 Lid has 4 Buildings fr 2-storey house to skyscraper. Maker, Rudolf Zanki. 1/100 scale Buildings from flanged parts held together with Clips over the flanges on the inside of models * Patent 9/51..
- CTM No other details.
- CNN1 Large Tyres have 17x71x34 moulded in. * Flexible Plates are plastic. * Mod .8. 25 (Mod 1) for later plastic Gears. * Not including later new parts.
- CNE Electronic 3-channel, 10-step controller for Motors, lights etc, plus standard parts for small models.
- CNT Sets with standard parts & many in plastic to add realism. Boxes, but not manuals, often marked CONSTRUCTO. * Needs verifying. * Including 47 plastic parts.
- CAB Wooden Rods push into brass Connectors. * Probably German made (see STÄBCHEN BAUKASTEN). * 1867-1905: c1900 from box lid appearance. * Rod.
- CJP1 Lid has blue Jeep towing a simple Mobile Crane. Set has toy Jeep w parts to make add-ons. Thread & N&B data, need checking. *Push fit rubber Rd Whls. *Eyeletted Plys. *Hex shown in MCS.
- CJP2 Lid w green Jeep towing a simple Trailer. Set has Jeep & parts similar to CJP1 but Flgd Pl has sq corners & is red not blue. Diff maker, as CTK1. *Push fit rubber Whls. *Mean; 3.1 also rep'd.
- CTR *CULTIVATE. Set has toy Tractor model with parts (like CJP1 & some special) to build implements for Tractor.
- CTK0 Similar in style to CONSTRUCTION JEEP but toy flatbed Lorry & some different parts. Model leaflet has name Construction Truck on its cover.
- CTK1 Lid has Truck model with ladder on it. Set similar in style to CONSTRUCTION TRUCK TRAILER but different toy Lorry (called New Chevrolet Truck on model leaflet cover) & some different parts.
- CTK2 One set seen on Ebay, probably like WISDOM No.6 with a few different or changed parts.
- C Ma Parts as WISDOM except colour. * Known 1990. * Also 2.6mm, see the similar CONSTRUCT-O-STEEL.
- C Mb A set, MM097, with large parts to make Prams, Chairs, etc – large enough to suit largish dolls.
- C_S Name on a box with a Linemar 'Match Box' set (MBC3) inside (but the Linemar name blacked out). The box is twice the size of the set & has the same boy & Buildings on it as on the Set.
- CRMa A set practically the same as AVIONS-CONSTRUCTION. The box lid has 4-engined Constellation airliner..
- CRMb A set with '2-D' parts (a few like CRMa) that bolt (or in some cases perhaps push) together. Models with up to 4 Props, & cork Floats. Lid as CRMa but small insets at bottom right & left differ.
- CVO From a Set 1 seen on French Ebay with blue lid with DISA & Autogiro on it. Red, green, nickel parts; #52 has no centre 5h row. cf MECA. * at least in Set seen.
- CNO0 See 'CONSTRUCTION theme sets': the boxes (but not the manuals) often carried the CONSTRUCTO name.
- CNO1 Lid has boy, sometimes two, with several small models. Parts are from MERKUR & details are assumed the same.
- CNO2 Lid has boy w Crane & Lorry, & city riverscape behind. Looks sim MECCANO but 7h 126,a; 9h 214; & balloon Rd Whls. Wood Whls also poss (& ? Tyres on pressed steel Hubs). *May vary >4.7.
- CNO3 Name on model leaflet over Monoplane with no tailpane; no box lid known. Small models which look very MECCANO-like. Various styles of M#52 shown. * At least.
- CNO4 Lid: boy behind Mobile Crane. As PLEASURE BEACH but CONSTRUCTO on some pts. *Plas Whls. *to 4; & 6.2. * & 2"x3.5mm. ** & SCFF. **needs check. Also 6BA HR BB 4.8 4.8 for Bulb Holder.
- CNO5 No other details.
- CNO6 Lid: GOLDEN STATE CONSTRUCTO w Mobile Crane & Bridge under. Most pts as HOLLYWOOD U-BILD-IT, inc 1/8" h in Str. *In Set 200, the only one known. *7/16"/1 3/8" in Plates. *Bolts matt lt green.
- COC Strips embossed with crenellated pattern. * PulleyDiscs joined by hex threaded boss (1/4"x32). Also normal bosses. Both types s/t. * Nut: BD. Also Nut H/FZ/6.3; Bolt R/FF(or FZ)/6.3.
- CNR0 Lid: boy w 4 models inc Tower, Bridge & Crane. 1st version of unusual system based on a Lozenge pt. *Inc 10 wood/card. *Lozenge 15mm; 11mm for Str. *4.2-5mm. *Winding Drum axle, no other:
- CNR1a Lid has boy w Tower & river/bridge scene behind. More & smaller pts than CNR0. 2 widths of Str known, 8.2 & later 8.8mm (8.1 known). *50 later rep'd. *10.0 in Br'd Girders. *Sq Nuts in man'l.
- CNR1b Lids: 2 boys w Transp'r Bridge or H'head Crane & Loco. More pts, some changed. Str 9.8 wide, later 10.8, also 10.1. *70 rep'd. *Some al in WW2. *fr 50 initially.*5.3 may exist. Check N&B data.
- CNR2 Diff lids w boy, model(s), JAFOWORKS. 6h Flgd Sector Pl; 7*5 Perf Pl; 2,3-blade Props. CONSTRUCTOR JAFOWORKS on Tyres. Early: JAFOWORKS on Tyres; *M8,52 alloy. *DP 38. *Nut SFN, Bolt RFN. *DHD 5.5.
- CNR3 Name only.
- CRN4 Lid has POPULAR MECHANICS CONSTRUCTO, boy w model & 4 smaller. CONSTRUCTION [1] pts packaged for Popular Mechanics magazine. CONSTRUCTION data used. *US distributor © date.
- CHR5 Lid has 2 models working with 2 trucks. Probably followed KONSTRUKTOR [3]. * some of main parts in some sets steel. * some holes 5.3.
- C J *Set (#1937½) with a pliers-type Tool to fit the Eyelets included in the Set. They hold the parts in a model together instead of N&B. Probably a Heller set, or similar.
- COS Parts as WISDOM except colour. * Known 1990. * Also 2.6mm for push-fit Wheels #015.
- CTS Ebay photo shows set with largish Crane & Lorry on lid. Parts consist of bright A/Gs, some with (?)2x1h (?)obtuse section & red Wheel Discs.

REF COMMENTS

- CTT Name only. Said to be metal but a set seen on Ebay had wooden & hardboard parts for buildings.
- CKT Many parts like MECCANO (r/g colours reversed), but unusual Propeller, balloon Road Wheels, & 3x6h Flanged Plate. * Bolts AA.
- IMI Parts like INGENIERIA MECANICA INFANTIL and same Illustrated Parts in manuals. Data taken from INGENIERIA MECANICA INFANTIL.
- CMC Photo shows silver Strips, red & blue Plates. * Not sure of source of country of origin.
- CNS Sets designed to make working optical equipment. No Wheels or Pulleys.
- CZM Name used by AMI/AMI-LAC but a No.1 set seen appears unrelated. It has black pts which look like MÄRKLIN & a man'l page matches one in a 1939 MÄRKLIN manual. See also DISCO LUDENDO.
- C S Large pieces with Narrow Strips, 2h wide Plates, 7h Trunnions with holes at ½ normal pitch, plastic N&B.
- CDX 5mm dia. wooden Rods push into steel Connectors. * Including 2 wooden.
- COR * 1924 patent. Buildings with frame of 12mm square grooved wood Beams held by push-fit metal infill Panels (* F or A). 'Real' F or A Roof Tiles on Battens. Models include Furniture, small Aircraft.
- CMS Sole illustration available shows structure of rods partly covered with plates.
Possible early/other name for BRAL PRIMA VOLI.
- COZ Frameworks of 4.8mm Ø aluminium Rods with end Unions which screw into Hubs, Steel Plates clip onto Rods. * For the Unions. * A/F.
- CRN Parts look identical to AUKRI but dimensions not known.
- C E Probably the same as BAUFIX, models shown are identical. Promo set, Crème Éclipse is name of household polish.
- CRU 8mm Tubes with 1/4" pitch holes, joined by being bolted to Unions. Tubes also sold opened out as Plates.
- CBL Models from Frames pushed together to form cubes, & Strips held by Rods with Collars. * ** Only Set Screw for Collar etc. * Some 15mm.
- CUB Like SKY-SCRAPER with 3/8" wide Strips, Plates with ½" & 1" flanges, but 6h Pulley Discs instead of Wheels. * 3.4-3.6. *** Also FD Bolt, 5.5 Ø f head.
- CWB HO scale metal Wall/Window panels clip/slide together. Plastic trim, card flat roof. * Copyright date on Model Sheet. ** Only in Panels' bottom flange.

Name used in MCS for DELTAX. D-180 is a set number.
- D D 2 ranges of special parts in a) Rocket Builder, & b) Spaceship Builder sets, with a few common to both. Thread and N&B data need verifying.
- DEG * A DEGEA-Baukasten-Motor by AuerGesellschaft was shown at the 1925 Leipzig Toy Fair (*Baukästen* p231).
- D I Almost certainly as German TECHNIFIX, with identical label on lid apart from the name.
Alternative rendering of Japanese name for DELTAX.
- DLT 2 small sets seen on Ebay have some parts like MÄRKLIN. Manual may have STABIL models. ERECTO [2] very similar.
- D-Xa Model &/or parts on lids. Axles have flat to suit some of the bosses. * Made in Japan, parts as DELTAX. * 25.4 = Mod.1. * Excluding the parts in the Galaxy space sets.
- D-Xb New version of DELTAX with smaller parts. * A © date but perhaps before 2000. * at least & + plastic parts in alternative colours. * 5.2 for longer ones.
- D-N *In Japanese. Lids also show a model, &, usually, set nos. 'D-40 to D-500'. Axles have flat to suit some of the bosses. Plas Pl marked MADE IN JAPAN. *25.4=Mod.1. *Slotted Bolt head shown.
- DDI Some M-like parts, but many others inc Curved Plates (4 to 2" circle), STABIL outline Gears, etc. Some MÄRKLIN parts in manual models. * Mod 1.8, also about Mod 0.8. * Most 12.9-13.0.
- DLK Danish name for MEHANO(TEHNIKA) Electrical set, q.v.
- DLE Name only.
- DLI STABIL parts, probably packed for the ILLUM store in Copenhagen.
- DLR ROBO for Sweden. Wood Blocks with Rods joined by J Clamps.. * J Clamp Grub Screw. * In Blocks.
- DBK Cast aluminium, narrow section, braced Frames, bolted together to make Bridges. Lid has black label with white Bridge on it – one tower has a Crane on its top. * Approx in Set 1, the only set know
- DEK Bridges, Towers etc made from red & blue Strips & Girders. They are cut to length and joined by rivets which are formed from short lengths of 2mm wide Strip. * minimum to take rivets.
- DJB1 Mfr, Feta, on lids w model. Pts as MÄRKLIN but fewer h, inc 5"11h Flgd Pl w edge+centre line h. *A few pts F inc 65mm Ply, Gear Ring.. *Lg-tooth 17t Gear, 38t Gear Ring, *A few 3.7-4.1. *Also HP.
- DJB2 Made by Wehma. Blue Funicular Railway on lid. Parts include unusual Triangular & Perf. Plates, & Narrow Strips. Yellow Pulleys. Other parts green first, later red/blue & red/dark green (or black).
- DJK Mixed selection of black parts inc T-shaped Trunnions. * Prob, for plastic Gears (in Gears set). Also coarser plastic Worm/Wheel, & coarse 8t Pinion meshing with slots in 63mm Ø Pulley's face.
- DJMB Parts like MABA.
- DJM As LE JEUNE MÉCANICIEN. Old Meccano style parts but Perf Plate & A/G instead of Flgd Plate. NB. #103 with 1 row of holes. * Key fixing in manual, but tapped bosses in ebay sets.

See OKEH.
- DKE Made by Deutsche Post. Probably followed ELEKTRO, many parts shown as identical. Also same or similar to the probably later PIKO.
- DKL German name for MEHANO(TEHNIKA) Electrical set, q.v.
- DKI1 Sm set with STABIL-like pts. Lid: boy w Big Whl & B'down Truck, FAP?FAR logo. Pts look same as DER KLEINE KONSTRUKTEUR [2], & DER KONSTRUKTEUR FMF. Some DKI/DFK models same.
- DKI2 Small No.1 set seen on Ebay. Parts: Strips, DAS, Wheel Disc, 5x9h Flgd Platel – all might be aluminium. Red lid label & manual cover with boy & decent size Crane. May be related to METALLIX [
- DKI3 * In the only (small Ebay) set seen. Rusty steel parts including Strips, DAS, Road Wheel, 6h Pulley & Wheel Discs. Brownish lid with 2 boys & a Windmill.
- DKI4 The one set seen, on Ebay, has Str, A/Gs, Plys, & pts to make cars for a Big Whl etc. Said cars used in the Big Whl on lid & a Roundabout in the manual. * 13.8-13.9. * Only Crank Handle. * AA NI
- DKK1 Maker EAW on lid with model railway layout. As STABIL, but Flgd Pl wider like CONSTRUCTION. Also Elec set. *But 12 in MCS: which?, or 2 systems? A/G 10.1 in known pts. *Sq Nuts also shown.
- DKK2 Parts, set lid, & box looks exactly like DER KONSTRUKTEUR FMF. Lid has 3 boys & a girl with a simple Bus & WMW logo. See also DER KLEINE INGENIEUR [1].
- DKK3 Boy with Gantry Crane model in logo (or ad?). It appears to be a framework but material unknown. It may be wood because what could be a hammer is shown in the illustration. 1913 mentioned.
- DKK4 An unnumbered set seen w boy & Big Whl on yellowish lid. One or two spec/unusual pts eg Fairground Seat. *Poss pre-WW2, even '20s. *Few A. *M4 only on Rod ends. *A few 4.1. **M4: S-BB.
- DKT1 Set seen has brightish Str, blue STABIL-like Pl. Lid label has sm photo of boy & Crane on table. *Another set w this name has boy & elec pts on lid but none visible in box, only 10mm pitch Str & P
- DKT2 Ebay set has elec pts on lid & more or less conventional parts in box, so are latter all original? Pts include Strips, A/Gs, 5x11h Flgd Plate, 4x4h & 10x10h Plates with centre hole & 4 holes around it
- DKT3 Only a manual known with a Crane on its red/blue cover. Many 4h wide parts with even numbers of holes in length. 2 wooden Pulleys. * Known after 1943, 1946-49 has been suggested.
- DKF Small set with STABIL-like parts which look same as DER KLEINE INGENIEUR [1] & DER KLEINE KONSTRUKTEUR [2]. Lid very similar to the latter with 3 boys, a girl & a simple Bus.
- DSM Name only.
- DBB Name used in U.S.(?) for KELLER.
- D B * Rubber inserts.
- D L1 Lid label & manual cover have small boy & girl below Cable Railway. Parts not seen but manual models as AMI.
- D L2 Only manual seen. Cover scene similar to CONDOR (2 boys with Crane between) but JTAD(?) logo & DISCO LUDENDO along bottom. Ill Parts as CONDOR but models as AMI.
- D L3 Only man k. Cover as D L2 but no DISCO LUDENDO/logo, & CONSTRUZIONI MECCANICHE/Condor logo at top. DISCO LUDENDO on title page. Models as CONDOR, & Ill.Pts (more than D L2).
- D G Strips 30mm wide. * Called DISTLER GIGANT for German markets. * Stock sold off later. ** Standard TRIX gears but 6mm bore.
- DIT Many lengths of black Strip (12.5mm wide) & A/Gs, up to 35h, 7h Ø Plate, & 7x11h * aluminium Plate. * d/t in Collar, Coupling. * Gears/Sprockets, TRIX-type Worm, & MÄRKLIN-type Gear Rings.
- DOC Split-pin rivet assembly. Parts include Bars, Clamps, Discs, Punch Press. No other details.
- DOR Ref: *Eisenzeit* Pl.43. Frame of black metal Strips & Channels with stone infill blocks, some painted as doors etc. Card roof. Probably UK Patent 301589 (1927). * 1925-26 in *Baukästen*. * inc 20 me
- DEL Part Nos. similar to EL MECANICO. Parts in MCS look like MECCANO except 7h Trunnions, slot in foot of 1x2h Angle Bracket, & Hook has cylindrical weight. * May be more.
- DSC *CONSTRUCTION. Generic name of modified ERECTOR w alternate lg & sm holes in Strips, Plates. Sold by stores under brand names, see L J1, S-T, S E2, TRU. Data from LITTLE JIM set. * & 6.6.
- DLG Parts like STABIL but alloy and no Flanged Plates. Models adapted from STABIL Nr.50. * If correct Mod 2.1.
- DUR *CONSTRUCTION. Only Set 10 known. Similar to ENGINEERO [2] No.1 but parts very slightly different & has Spanner & Axle. * FD for Nut.
Alternative rendering of Japanese name for DELTAX.
- D-A One set said to make either a Sports or Racing Car. Add-on Spring Motor, & remote steering control.
- DMF1 Models rather like 1-engined MECCANO Aero [1] except larger Flying Boat & prob other models from Set 109. *+ parts in Set 109 & add-ons 106a-d. *Based on #67, Fuselage Centre Sideplate.
- DMF2 Smaller, simpler parts than DMF1. Sets #50, 102, & 103 have been seen. Also #87 with special parts for a Ju 87. * Approx in a #50 set seen, for a wheeled Biplane.

REF COMMENTS

- D-U Nice un-MECCANO-like pts. *c58 poss. *Earlier also self tap Bolts, 3.2 od, with hoop spire Nuts. *Later tapping hole through. *Approx, +27 in Rolling Stock theme sets. ****Later prob HC FN 5.4 5.4
DVS Mostly MÄRKLIN pattern parts but smallest set different with Screwed Rods as axles. Some small parts aluminium. Manual has large photo of boy's face on cover.
- E-D Only booklet seen. Most probably same as ALUMINIUM CONSTRUCTION OUTFIT & ELGIN. ***** Probably.
EBS * Often e b s. Single model sets with large, heavy, good quality, nickeled parts. * 4mm also rep'd.
ECP Followed L'INGÉNIEUR CONSTRUCTEUR and preceded MÉCANIC [2]. Probably not made in later WW1 years.
EDI Most parts in MCS like MÄRKLIN, but Pulley Disc, Screwed Rods, Roof, 6-spoke Pulley. Some electrical parts on one manual cover. * Possible; & MÄRKLIN-type Gear Rings. Data need verifying.
EDE 6 Sets, probably standard EDISON parts plus special electrical: Coil, Bell, etc.
EDO Parts for workshops, ready made gearboxes, winches listed. * Inc 13 wood bases. * For Threaded Rods. Also Bolts, ? thread.
EMB The one set known has parts that look like THE CONSTRUCTOR and probably made by the same company.
EY Entry based on one set by Daiya with strip & other parts reminiscent of their Matchbox set.
EFL1 Lid label has boy's head & shoulders with Bridge. Parts unpainted or silvery looking. Strips & Girders have square ends.
EFL2 Sim label to EFL1 but diff, painted pts inc 24mm Ply is light red plas with brass boss. It, & Spanner, marked E.F.E.L. & EFEL. **62k, on sale c70. *Early pts may be alloy, unpainted. * In Set 5, appr
EFL3 Slotted parts. Most lids have 2 boys w models, but also models w head & shoulders of one. **1950s & 1960s also suggested. *Sets with steel & coloured parts also exist. *10.0 & 20.0 crossways.
EEL Probably MECCANO or MÄRKLIN style. Name on Brackets. This may be the EIFEL [2] below.
EIF1 Unusual shaped Brackets, long DAS & Double Bent Strips. Label has head & shoulders of boy & girl with Eiffel Tower between, & big wheel in bottom left corner. **40-48 in *Eisenzeit*.
EIF2 Parts red & green. Compatible with MECCANO & name on parts. This may be the EIFEL above.
- E.S Lid not seen. Set has 18 parts + 10 N&B to build a horse-drawn Wagon & possibly other models. * from PR.
EMH Many parts like German TRIX. * In only known set. * Bolt FD.
E-S Mentioned in *Baukästen*, p244, from Dörken & Schulte KG.
ECA DE MODELOS MECÁNICOS. AMERICAN MODEL BUILDER for Spanish markets. Data from AMERICAN MODEL BUILDER. ** Also 7.1-7.5mm R head. * Also brass, & nickel plated.
ETC * On a few sets. Motor parts, Bells, etc in basic set, but Pulleys, Bearing Standards, clock parts, etc, in others. * Patent 1931. * Square Nuts for 3mm.
EMK ELEKTROMECHANISKAIS. Latvian name. Related to EKS. In MCS as ONBITOB. * Square rubber strip used as key. * Mod 1, may have been 0.6 earlier.
EKS Latvian name. Related to ELEKTROMECHANISKAIS KONSTRUKTORS. One set called 'Skolnieks 3', another, larger, has no name.
EKO Made by E.G.B. Many pts like DER KLEINE ELEKTRO-INGENIEUR. MCS says Mag,Electro-Mag,Static Elec sets. Pts inc Motor Armature, 8x14 Flgd Pl with no h in flanges. *Prob smaller in Flgd Pl.
EKM Name only.
E K KONSTRUKTOR. 4 sets to make Helicopter, Biplane, Windmill, Robot. * In Helicopter set. ** Also 3.5mm. * HC in Robot set.
E-P Yugoslavian name for MEHANO(TEHNIKA) Electrical set, q.v. **ELEKTRO was probably later Slovene name.
ELS Name only
ELT Said to be similar to ELECTRIC.
EEM Many parts like MECCANO but 7h Trunnions, and 3" Pulley with no slots & extra hole between the 4 remaining pairs. No slotted holes except in M215,a.
ELG Strips 9/16" wide. Parts as ALUMINIUM CONSTRUCTION OUTFIT. * Typical. * Crank Handle, no Axles. * Square Nuts on box. * Bolts FF.
- EII Looks like TRIX. One model, a Crane, is as MEKKANO. * Soft tinplate. * Set 1, there may be a Set 2. ** 12.7 & 4.2 in MCS.
EIM1 Name diagonally on portrait lid with 1 model above & 3 below it. Rods joined by J clamps, & wooden blocks. Parts looks very like ROBO but different colours..
EIM2 Red lid with selection of parts in yellow panel. Plastic Flex Plates. Strips very thin with bright, coarse crackle finish. Slight BRAL look to some parts.
E I Generally blurry MECCANO-like parts in the one set seen but MCS models include 4h Wheel Discs, perhaps nutted to Threaded Rods.
ELA Strips, some formed, held with Clips. Most parts look like CONSTRUCT but not sure if Jig is in ELMA.
ELM Motors can be made with all sets & used to drive models. * 46-50l also rep'd. * Mod .75. * For M4: M3 Bolts FN/FD, 5.6mm DHD.
E M Part Nos. similar to DU-EN-LOZ. Large zinc diecast bosses. Corners of Flexible Plates shown in Illustrated Parts with unusual shape.
EMA Bright lids featuring models. Parts include several sizes of DAS & Flanged Plates. Also 7h Trunnions.
EMH Many pts like German TRIX. Lid & man cover have Arabic text, lid w 6 models fr W'mill Pump to Counting M/C; cover w boy, girl, & 3 models fr W'mill Pump to Scooter. *In only set known. *Bolt F
ENA INGENIERO. Parts appear to be a near to exact copy of ERECTOR (ERT3b). * Shown in manual but may not all exist. * From 1 part.
EPI ARGENTINO. Name only.
E T Illustrated parts in MCS shows unusual triangular Trunnions, Gear Segment, & Hook with star-shaped centre hole.
- ELX A mix of constructional & electrical parts to build a fair range of electrical 'elements' & models. * If in the DDR period.
Name in MCS for EPA.
- E B Said to be STRUCTO under another name, but a Structo brochure seen has the name only as the title of a scene with a boy playing with a Digger against a real life backdrop.
EEK 5/8" wide Strip parts & 3h wide Plates (Perforated, Flanged). * Along length (5/8"); 11.1 across Plates (7/16").
ENT Sq corners shown on early parts, later Strips etc rounded with round Clip. *Known only from Australia/NZ agent's ad. Motor looks early U.S. *A few irregularities. *Pulley 3.7. *Clip held by Wedge.
ENG1 Black lid w green label w Crane, 2 boys w W'mill between. Many pts w diamond holes, & Str have V nicked edges between h. * & 8-32 known. *Sq & rd. *9.5 for 8-32 (& lg hex Nuts in man models).
ENG2 Red lid w white/blue panels for name/models. Models as JUNIOR MECHANIC; pts differ slightly in detail. Sets 1, 2 known, similar contents to J M #101,201. *5-32 on Cr Handle. *Cr Handle no Axles.
ETH Range of sets from Aries, makers of TOY KRAFT, with probably similar parts. * Up to 2008, see M' TEK.
EPAa * from Greek ΕΠΑ; EMA in MCS. Parts similar to ERECTOR, manual cover shows ERECTOR model. * 12.5 rep'd earlier.
EPAb Unusual Braced Girders w 2 rows of rect cutouts. Other pts have MÄRKLIN look. Many sets, some of which inc 'aero' & 'army' pts. An Aero set (w holes at 12.7mm pitch) is called MEKANO. * Mod.1
ETNa Most parts virtually the same as ERECTOR, though different colours. * Others seen 4.2.
ETNb Set 5 was listed at the same time as ETNa (Sets 0-4) with parts which look similar to MEKANIK [1], but the hole pitch is said to be 12.7mm. * The F needs confirming.
ETO1 Dolls house set with parts not unlike ERECTOR.
ETO2 Probably same as DELTA with same MÄRKLIN-like parts. Manual may have STABIL models. English on lid & manual cover.
- ERT1 Detachable boss for large Gears & Pulleys. Girders flanged but not grooved. * plus 12 for motor.
ERT2a Improved design Girders, normal bosses, different, assembled Motor. * In 1915.
ERT2b Some parts introduced or changed in this period. * In 1919.
ERT3a Redesign system with narrower Girders. Strips with 1/4" pitch holes, etc, etc.* In 1929. * Also 1/4, 5/16", with some bosses to suit.
ERT3b Many parts dropped. Double Flanged Plates replace single flanged parts. * Some parts aluminium postwar. * In '35, 110 after WW2. * 4.2 for later cast bosses.
ERT4a Complete redesign. *Gilbert owned until '66. * Gabriel owned until 1983 but character of the sets changed in 1981 to that typical of the next 'Ideal' period. * 1963, approx 60 by 1971. * With flat.
ERT4c Sid Miller produced an 'Executive Set' with a selection of gold plated Gabriel metal parts. The only other part was a yellow plastic Pocket Erector push-on Wheel.
ERT4b Less metal & more plastic parts. * Gabriel ownership to '83. * Excluding special plastic parts in Robot set; 70 in 1987-88 with more plastic. * Girders, to 4.4 in other parts. * with flat. * 7.7 for longer.
ERT5 Meccano bought the ERECTOR name & sold standard & a few special sets as MECCANO ERECTOR, then ERECTOR. ** Replaced 5/32 BSW at some stage, but needs confirming.
ERA Nearly all special parts. Sets sold under both names. Art work on Air-Kraft lid as (the different) 1919 Gilbert Air-Kraft set. Models could 'fly' around a ceiling mount.
ER5 Mostly new parts. Sets for Road Building; Military; Cars & Trucks. * Only in U-Collar. * Including 45 plastic. * Exactly 5/8" lengthways & often 5/16" across. * In Plates.
ERE None in 1924-25. Various sets over the years with progressively fewer standard parts.
ERH * Mostly special parts which were included in standard & special sets.
ERL Simple linking 'girders' and N&B. Ref: OSN 6/136.
ERY Large steel components, Wheels, to make life size wheeled toys, also Cranes etc. A development of GILBERT NEW WHEEL TOY.
ERS * Special card Panels which were held to frame of standard A/Gs by Snap Rivets.
ERZ Some standard, some special parts, including a fabric Envelope, sold as a separate set & included in other sets.

REF COMMENTS

- ETT Rods & Strips push into Clips which can bolt together. Strips have only end holes & slightly crenellated edges. Thought as BILDICO [1]. * Called ERECTOR in earliest ad known, 4/14.
- ERK Main parts: 4 A/Gs with 2 rows of staggered holes at ends of each arm & in centre of 2 longest. Also small Perf Plate with staggered holes. * Just possibly the DDR. * Possibly aluminium.
- ESO TEMSI parts or similar. May be same as IK BOUW / JE CONSTRUIS. Dimensions assumed as TEMSI.
- ESC Strips (4mm thick) & Wheels are cast from zinc alloy. Parts included mouldable Plastic Sheet. * For No 1 Set. * Nuts: BB, 2.8mm thick. * Also 8.0.
- EWG Almost certainly OLYMPIA under another name.
- EXT Simple system with Strips, DAS, Brackets, & 2 sizes of Tyre. * approx in Set 1. * long Bolts.
- EXA * Sold as MECCANO 1967-85 with parts marked MECCANO IND. ARGENTINA. * In 1965, other parts added since.
- E Z Similar to GIRDER BILT but with a square-cornered 4*7h Perf Plate, & Pulley Discs as well as black Wheels.
- EZY0 Clips with Wedges used to join the MECCANO-like parts. This phase did not last long. Made by George Irving/Ezybilt Pty. Ltd. * From a dark red 5*11h Flgd Plate stamped EZY-BILT.
- EZY1 N&B replaced the Clips. Mfr: Irving/Ezybilt Pty. to at least or about '41; then Colton, Palmer & Preston, SA. * 4.1 in some. * 5.8 also known.
- EZY2 Mfr: EZY-BILT, Kilkenny, SA. Extended range of renumbered parts.
- EZY3 Made in NZ by Rayon Surfaces Ltd, Penrose during last Australian EZY-BILT phase.
- FAC *+ toy KONSTRUKTIONER sets. *Not in 80c-98c. *Lead Screw M6. *3.2 wide slots in Strips with 4.1 centre hole. Other holes 3.0-3.2mm. *Also:4.0 Axles & structural Rods. *M4: 8mm, for Thr'd Rods.
- FAL All parts black and stamped FAL. Lid has man with lathe & boy with Funicular Railway. * In Set 2 (of 00-5). * Mod. 0.8.
- FAL1 Said to be a very colourful MECCANO-type system.
- FAL2 ASSEMBLO-like parts, and possibly identical. ASSEMBLO data given for reference.
- F E rep'd to be the same as the German ELECTRIC but may not be, or 2 versions?. Data from ELECTRIC.
- FLT *Post WW2. Sets 0-4 called IL PICCOLO MECCANICO. Parts inc a 7h long Flanged Sector Plate, & 11 & 17h Braced Girders with cross shaped centre cutouts. *& HC. *Bolts FF. *7.1 for C Bolts.
- FBT The range of sets were the 0-4 FALT plus a No.5 set with standard & special wooden parts for Aircraft & other models.
- FCT Lid of set seen has a Crane, Rail Track with 2 Wagons, & 'Fork Lift Truck'. These models have 1932-62 ERECTOR [3b] looking parts with bright Strips, & Plates painted red blue or yellow.
- FAN Tubes joined by pairs of short, semicircular section Rubber Strips inserted into the ends of the Tubes. Tubes also used as axles. Also said to have been sold as ROBA & ROHR-BAU.
- FZR Child-sized wheeled/ski-runnered toys made from Tubes probably bolted &/or clamped together. * highest PN.
- FAV One set plus an add-on. Lids have name in red plus Car & Big Wheel on blue or black ground. Mainly Strips. Might be an earlier product from firm that made GORDON. * or GD.
- FEM Parts look similar to MECHANIKA.
- FMO Parts mostly black & models are built mainly of Triangular Plates, some with centre cutouts, spaced by DAS.
- FRO Steel Rods with screwed ends which are joined by screwing into Unions. Plastic Plate cladding.
- FRX Parts include 14h Strip, Plates, Discs. Strips have 45° corners. 3 phases of packaging with more parts in Ph.3, & painted. * A few parts may be aluminium.
- FET This is DER JUNGE BAUMEISTER [1] made by Feta, but manual cover has only FETA METALL-BAUKASTEN on it.
- FGM Black pts w normal & narrow Str. Prob sim to earlier ZOGEL Metallbaukasten. A later set has same model & Für Den Kleine Konstrukteur on lid. Called F.D.K.K. elsewhere. **12 & 4.4-4.8 rep'd.
- FFA Nr.1 set seen has Strips, DAS, Brackets, Discs, steel Screwed Rods. Lid has 2 boys w models in orange border w name down each side. Followed by almost identical BLEMA. *poss 1938. *In Nr. '
- FIP Set called der Wandelbare with 5 parts which push into 3 others to make 10cm high clown/duck-like etc figures.
- FIX 1cm wide Strips, 4-9cm o/a, with only centre hole. Several joined by hollow rivets to pivot. Also some with rectangular outside holes open to ends. Another FIX MCS rep'd. * C & H Bolts shown.
- FLX The only set known has flexible steel Strips with 2 rows of staggered holes, an aluminium A/G, & a card Plate. Parts are held together by rivet with lobes which are bent down after insertion.
- F-B Flexible fibre Strips, to be cut to length.
- FOR NGN sim except 3" Ply. FORGEACIER FRANCE JEP on Gears etc. *In '54 catalogue, not in '59, nor cat after '51. *M 3.5 for M115; N&B prob M3. *Mod. .65. *In pts; punch not seen. **Nut for M115.
- FMR Long slots in Strips (including Curved Strip), A/Gs, Plates. *** 3.5mm Axles & also brass? 5mm Tubes (Axles), with split ends, expanded by 'bung' to hold Wheels, etc.
- FMA Set 1 has grey 2h Ø Pulley, & black Strips, 6*4h Plate, 5h Ø Disc. Its lid has B&W drawing of an airliner over a river & industrial scene. * In Set 1. * perhaps.
- FRM Said to be new in G&T 7/19. Match splints push into tinplate Connectors. * At least.
- FRI Simple system with steel parts either blackened or painted red & blue. A/Gs are main structural elements, also 2 Flat Girders. * Some 3.0. * Also RH Bolts.
- FRY Man'l models from MÄRKLIN but parts differ. * Man'l PR 447. *Some sets all F but much A in others. *Poss more if reputed add-on set actually existed. *Bolts probably FP, other finishes possible.
- FUN MERKUR parts apart from motor.
- The name is on one FG METALLBAUKASTEN box as slogan.
- FTY Furniture models from tin printed parts. Ref: *Baukästen* p323.
- GA Said to be a very simple system with unusual parts. No other details available.
- GCO Pts: 1cm sq wood Str in steel Connectors & Axles, Whls prob zinc. Models round name on lid. CONRAD similar, after?before it. *in Set 2, many more. *for drawing pins if needed. *& 4.9. **Set Scre
- GEN Many unusual parts including Chain Wheel, Threaded Boss (M5), L-Girders. * 2.6x.45 in some (earlier?) smaller Ø bosses. * Mod .5. * & 5.0 & 20.0mm for some end & other holes.
- GTS Mainly wooden Rods which push into metal fittings. Old fashioned looking lid with young boy making a model while young girl looks on. * Including 10 Rods. * Rods.
- GBR Braced Panels joined by Bolts into formed threads. 2 sets known, similar but different size parts. * 22 also rep'd, perhaps from one of the sets?
- GER Sets called PROFIL Baukasten with (in Nr.1) Strips, Pulley Disc wheels (earlier turned), A/G, Flgd Plate, 2h wide Square Tube. * Collar & earlier Wheel only. * Suspect, copper plated. ** Also 6mm.
- GES The Set 1 seen has a boy & very large Crane on the blue lid. A simple system with TRIX pattern holes but fewer of them in V pattern. Plastic 'Washers' push-fit onto * wooden Rods.
- First erroneous name for FG METALLBAUKASTEN.
- GIA See DISTLER GIANT, GIGANT.
- GAK Special parts for model that 'flew' around a pylon. Box lid artwork used again for totally different 1928-32 ERECTOR AIR-KRAFT set.
- See KLAX-TOYS.
- G W Large wooden Beams with steel Plates & fittings. *sometimes OUTDOOR WHEEL TOY; French version JOUET DÉMONTABLE GILBERT. * Varies; 4.7 in Plates. * 14-20: 11.0/11.0.
- GRE * Also RIDE-EM. 5 models with metal frames & plastic trim which youngsters could sit in & 'walk' along. Not made for long.
- GTT Ebay set seen contains various Tools, and a booklet © 1920 entitled *Gilbert Tin Can Toy Making*.
- GBT ¼" Ø Tubes push onto pegs on Connectors & Wheels. * Copyright date.
- GIO Strips, Bracket, & Disc. Push-fit plastic Plugs (3.4mm Ø, with 4.2mm Ø CH) used instead of N&B. * Mean of oval.
- G&P Buildings for American Flyer S-scale trains made from miniature 'ERECTOR' Panels & KENNER-style Girders.
- G-B Like ALUMINUM CONSTRUCTION SET, but Str have rounded ends. *'Super' before sometimes. Hyphenated on man'l. *3-48 in one set. *Rubber Whl. *Also B & A Nuts. **3-48 are HP FK 4.7 4.8.
- GKI Many parts as MERKUR in man'l but some differ, eg 65mm Pulley (face holes include 4x 6mm), 8h Bush Wheel. NB also hole size, dull grey or poss black finish. * 9.9 some parts. ** & Bolts: F FD.
- GLO Parts include tapered Braced Girders. Simple but quite elegant Bridge & Crane models. * M4 for Screwed Rods. * M4 Nut FF 7.0 A/F.
- GLA Lots of Strips & DAS but no Plates or A/Bs. * Many parts said to be 'surplus' KÖSTER (1948-51) parts. * In the only Set (No.1) known. * Some 2.9mm. * HR possible.
- GLK Maker of Aero & Zeppelin sets eg Build-A-Zep, Build-A-Plane, Ten In One, etc. Zep parts mostly metal; Planes wood & metal, some with rubber drive. *About 25 for the Zep; 30 estimated for Plane
- GNM Some sets from Rimü, which traded 1930-50s, others have no logo. Ebay photos show bright Strips, 3*3.7h Flanged Plates. Holes small in relation to the hole pitch, which may be c20mm.
- GOL Less holes than TRIX to give V pattern. Appears same as INVICTA but MCS gives different hole sizes.
- G P1 GOOD PLAY sets sold by Quelle, a mail order house. Has 'Metall-Bau-kasten', 'good play' logo, & TRIX on lid(s?). Probably as TRIX [1d].
- G P2 Probably CONSTRUCTION [1] parts/sets repackaged for Quelle. Lids have 'Metall-Konstruktions-Baukasten' & 'good play' logo on them. CONSTRUCTION data assumed.
- G P3 MEK-STRUCT parts packaged for Quelle. MEK-STRUCT data assumed. 'Metallbaukasten' on boxes with 'good play' logo.
- GOR Mix of STABIL- & MÄRKLIN-style parts. Reputed to be brass plated parts, but those in photo blue & bright. Also non-constructural electrical sets.
- HAK Ref: *Baukästen* p330. No details.
- HAM *Miscalled NAME in OSN 47. Blue Strips, A/Gs, Brackets; red Plates & Wheels. Unusual parts include a 5x8h Flgd Pl, 2h wide Trunnions, & 5h long Girder Bracket. *At least. *13.4 in the Flgd Plate

REF COMMENTS

- H C 11h Strip has 1 end flared out & 15h has both ends likewise. Flgd Plates have slots forming letters H & C.
HDY Small set from (the unknown as yet) BETTABILT, but PNs are as BETTAFIT.
H W ALPHA [1]-like parts. Related to early phase of ALPHA [1]. Manual has MECCANO models from 20s to 54/61 period. * After 1954.
HAP Tubes push into Joints with split sockets, & are used as axles. * Not listed in 1929. ** only in Perforated Tubes; similar size holes in some Joints.
- HAS Set A has TRIX-like parts but slightly larger. Sets B & C have coloured parts including non-TRIX Flgd Plate, Saw Blade. Set A lid has a Motorboat on it, B & C a very large Big Wheel.
H K Sm scale models w frames fr 5*5mm wood Beams & metal Panels which push into them for walls & sit on them for roofs. *Very approx: excluding Wall Panels w numerous diff printed designs on th
HAW Windmill on lid doesn't have TRIX holes in Strips & man'l models. *Poss+Tools. **Holes in Plate & along Str have 13mm or more pitch; c.4½mm holes at 15mm pitch poss. **or HR FF with brass N
HB Made by HB-Spielzeug-Bremen. Data from an HB-001 set on Ebay with models in 6 panels on lid. Main parts: 2 Flanged Plates & 4 Strips. No Wheels.
HKO Grey looking parts, often with even number of holes, including 6x6h Flgd Plate. 3 & 5h Ø lips have 13mm or more pitch; c.4½mm holes at 15mm pitch poss. **or HR FF with brass Nut.
H-M Name used in France for HELLER'S STAHLBAU. Mécanicus Tool. Strip 12mm wide. Gears have STABIL 'Outline' teeth.
H S Has Mechanikus tool & a good range of parts. See also MECHANICUS & MECO.
- HSA Parts include Strips to 15h, 5x9h Flgd Plate, 4 & 5h long DAS, 5h Ø Disc with rings of 4 & 12 holes. Lid has small boy with large Windmill. * from 8.47 manual PR. * Steel Loose Pulleys. * Bolts BB.
HES Wooden frameworks with metal cladding. * Approx. with 10 metal, 10 wood.
HLA * 'Der 'Hela' Modellbau' on Instructions. Wooden Rods push into metal fittings.
HOH Rather flimsy bright nickel parts, with formed Bonnets, Loco parts, etc. 2 versions in 11/291. ** As found; 13.1/4.1 & 13.0/4.6 rep'd. * Needs confirming, 3.5 also rep'd. * 7.5 also possible.
H U Strips have two 1/8" holes across the strip between each pair of main holes. * 1930s also mentioned. * Exactly 7/16"; & multiples. See also CONSTRUCTO [6].
HSD MECHANICAL DEMONSTRATION. Standard plus some new parts in sets for schools to demonstrate simple mechanics.
- H A Steel Strips which clip or bolt together, other metal parts, wooden 'blobs' & Plate. * 1 5/8". * Rubber bushes.
H B Parts inc 5x11h Pl with 4 long slots, curvy Frame & Trunnion, Prop, wood Pulleys w rubber hub inserts. *But BILD KRAFT known '28. *Collar, d/t also. *In 11h Strip; 3.8-4.1 in other parts. *Collar.
HWM Lid in EZ Pl.60 has Windmill fr simple M-like pts, & Hans Wünsch HW logo. Fr web: black
HYB For frameworks to use with any other parts; nuts trapped in channel rails, which are cut to length. * Bolts may be brass.
- IBJ Name only.
ICB Name only.
IDL Only a model leaflet known, for 'Units' 1 & 2. Most parts like TRIX but a few original. Dimensions not known.
I Ma Structural parts are anodised copper, Pulleys etc natural aluminium. B&W photo of boy with model inside wood lid. * 1950s has been suggested. * Calculated as Mod 1. * Some Nuts FF.
I Mb Parts as [a] but with bore, thread, etc changed. Structural parts anodised red, Pulleys etc natural aluminium. B&W photo of boy with model inside wood lid. * Calculated as Mod 1. * Some Nuts FQ.
- I B Bilingual names. Apparently TEMSI parts. Said to have succeeded SPIROU.
IBM Only add-on Set A known with simple nickelled parts in wooden box with routed out compartments. * In set A. ** Scaled dimensions.
I P 4mm Rods joined by Couplings (8mm sq, 2.3h long, w all holes tapped). Other pts inc 98mm sq, cast, Slew Bearing Plates, 2½cm wide Str, Rd Whls, small Plys. *Also 4.5. ***Set Screw. & - F, - A, &
ICO Steel Tubes (or Rods) of perhaps 5½mm Ø held by (push-on?) Connectors, plus Loose Pulleys, for framework models. * Very approximately in the one set seen on Ebay.
ICM * or IL CONSTRUTTORE BRAL. Another name for BRAL, q.v., with the same parts as far as is known.
- I O2 Sets with name Standa, a supermarket chain, on lids. Slightly unusual 4x7h Plate. * In Set 2 of 4. * Around ½". * Also RH Bolts.
I O1 Known only from a manual seen on Ebay. It was made by SART of Torino and had Sets 0-4 with conventional parts. * The highest PN in the 2 No.3 models seen.
IMT Only a manual known. Cover has boy, Drilling Machine, & blueprints. Small 'educational?' set with some Slotted Strips & irregularly spaced slots, of various length, in Flanged Plate.
See FALT.
- IBA Similar to WENEBRIK but not compatible.
IMP Strips 5mm wide, 2-7"long, clip into Hubs 20mm A/F. * Listed '19, but 'not available' in '25 catalogue. Also sold as ANKER-METALL, -INGENIEUR, INGENIEUR, ANCHOR ENGINEER.
IND 12mm wide Strips, small Spoked Wheels. Note Wing Nuts but Snap Fasteners (poppers?) may have been used earlier, perhaps up to 1925. Some models as PHANTASIE. * Probably more.
IMI *Juego de. Mostly M-like pts except 10mm pitch & all rd holes except M215. Unusual pts: 11h Flgd Sector Pl; 7h Trunnions; 13,17,21,29h Str; 29h A/G; 13x3,5h Flex Plates; 5x9h & 5x13h Flgd Pl.
ING1 Another name for IMPERATOR q.v. Also sold as ANKER-METALL, -INGENIEUR. Dates from IMPERATOR.
ING2 Ref: *Eisenzeit* p178. Made by Ihag GmbH, Nürnberg.
- INO1 Parts appear to include a Plate with large central holes rather like STRUC, & some very decorative architectural panels. Manual cover has boy & girl with models on a table.
INO2 Name & date only.
INO3 White & red Plates, plus ¼ circular parts, which slide together to make 'cubical' models & vehicles. * ? from 1930s. * Also 5.5mm.
IGR No other details.
IST CONSTRUCTION [1] sets sold under this name in Sweden.
INM Has 27-hole Strips. Other parts include a 12h Strip, & Flanged Plates 5 & 10h long. Blue lid has slanting white name with red bands above & below. * 3.8 also rep'd.
- INR Parts to make a very simple Motor mounted on the box lid. * Motor's name in instructions; maker not known. * Rotor shaft with one end 1.5mm dia.
ISO ¼" rolled Tubes push into/onto Connectors. 8-spoke Connector can carry Tyre. Infill card Plates in known set may not be original. * Nominal Ø of Tube, also used as axle.
IOS I Beams, Gussets, etc riveted together to make Bridges & the like. * From Ebay. * Plus Tools.
INT Greyish Strips & A/Gs, most w equispaced pushed thru 10mm long 'eyelets', & most w hooked ends which can engage in the eyelets. * Only on some Rod ends * & in Whl bores. * Scaled eyelet pitc
INV Based on dull grey parts in German sets & painted parts in #3 set from Inventrix Ltd, Liverpool (as MCS). Some parts like STABIL. * for firm. ** Long Bolts C 7.2. (GE: HR 7.9 6.9 (long Bolts 7.3)).
- IVA of GOLIATH. V-pattern holes but Strips with fewer holes in outer rows may exist. Box lid has curly haired child with Aeroplane. * 10.5 in Wheel Discs. ** 8.1/3.9 also possible with 9.0 in Wheel Disc.
Name in MCS for YUNOST.
I C Strips, etc with holes to allow braced frameworks to be made with Tie Rods, etc. * Also patented in 1894. ** T Bolt with thread on sides of leg only, to allow finger tightening.
ICD DEMONSTRATOR, THE PRACTICAL. Development of THE IRON CONSTRUCTOR with simplified parts. ** T Bolt with thread on sides of leg only.
ITC R/g MECCANO-like with a few MÄRKLIN-like parts, including 5x11h Flgd Plate. 1" Pulleys appear to be cast & painted blue. * ½" pitch not confirmed..
- J&J * 2 names on canister: JACK/JILL DANDY CONSTRUCTION SET. Parts include a DAS with threaded centre hole for threaded Crank Handle. Canister used in some models. * FF or FD Nut.
See IK BOUW / JE CONSTRUIS
J A Name only.
JEP Basic parts identical to MECCANO, but original parts added later. Sets include No.4 Army. *JEP is English market name; JE-IL, JIEL from Korean. * K for Army, probably I or B for other sets.
JFT Name only.
JEU 4 sets made by Jeulin for schools etc with standard & Eletrial French blue/gold MECCANO parts plus a few others, eg Hooks, Weights. **** assumed as MECCANO.
JIF Very like GIRDER-BILT, & in very similar canister but red/green. * Also? 4-?. * In hard, red rubber Wheel. *** Also Bolt FD 5.1 Ø, Nut BN 5.7 A/F.
- JOC Fr hanging pack. P Ca fr same Metaloglobus firm; both show Lorry. Pts sim to P Cb but multicolour & aside fr h pitch only a few the same (eg, green plas Whl). *Self-tap. *12.5-13.0; & 13 rep'd.
JOL Strips, DAS, A/B in Set 0. Few if any different parts in Set 1. * 1948 known from manual PR.
JDG French name of GILBERT NEW WHEEL TOY sets.
JRE 2 phases with some different parts. 1st mostly aluminium; 2nd mostly steel. Painted Plates in both. *Square Nut in manual. ** Ph.2: Nut H BB 6.4; Bolt H with slot FN 6.6. M head on longer Bolts.

REF COMMENTS

- JMA Illustrations of parts & set contents just like MECCANO, but parts include M55,145,146,146a,160,161,196,197,198, & sets only go to #6. * Not all seen & PNs to at least 148.
- JUG Parts include large braced Frames, some tapered. Strips: 8mm wide; 22mm wide with TRIX pattern holes. * TM registered. * Some 4mm. * Nuts also brass.
- J I A manual shows models w M-like parts (apart from a 5h Trunnion) made from a set called Ingeniera Infantil. A web image shows a poss Aero set from the same firm called El Constructor de Avionc
- JUN1 Pat 441157/34. Strips 9.6mm wide. Pulleys & Tyres marked JUNEERO. * On sale in Holland in 1962. * Plus Tools. * & 6.5 in Pulleys. * Most Nuts probably 1/4".
- JUN2 Limited range of parts, similar or identical to UK, Said to have been made in Canada but Tool certainly made in England. * Including Tools.
- JNR1 3 sets probably similar to UK TRIX Units A, B, C. Chrome plated parts. Printing on material seen is Swedish but country of origin not entirely certain.
- JNR2 5 sets with red/blue packaging (2 blister cards; 3 boxes) for 14-20 models each. Small TOYMAN on lids. Silvery Strips, Flgd Plates; blue Flex Plates; red Wheels & ?Trunnions. * English text.
- J M Flgd Plates have holes only in flanges. cf ACS made in same town. Strips, Brackets have 45° cropped corners but may exist with square ends. * Crank Handle only. ** Also Nuts AA, 7.7 A/F.
- KAK Black Strips, Brackets, & A/Gs; red, blue, green, black Plates; red Pulleys; silvery Flgd Disc Pulley. Lid has large Suspension Bridge & other smaller models. Dates from JCM.
- K X Special parts to build 8 models with 2½" Ø body & 3 each large & small Fins.
- K&S Maker J. Schneider, see *Baukästen* p306.
- KDO Parts as TUBEPLAC (7mm Tubes, etc) except colours (blue, black instead of red, yellow), but different sets? See also MEKA.
- KIM Very small models from metal parts that push together. Plates probably printed differently on each side.
- KEL Delicate pts push together (eg Str, Braced Frames into T Girders) for Bridges, Roofs, etc, w Bricks as needed. *2 phases, c20 in each with 7 common. Change in c1896. D'tls & names of sets in OSN 4
- KPH Special parts in sets for Ferris Wheel & Roundabout, with a few common to both. Also one or more sets to make a Motor for them.
- KKK Data fr parts & manual pages. Parts: 4 Flgd Plates, Strips, Brackets, balloon Wheels. *In balloon Wheels. *5/8". *Crank Handle, Axle 2.6 but genuine? *CH poss. *Long Bolts BB. *1/4"; 3/16 poss.
- KCO *"KICO" METALL-BAU-KARTON on lid. Nickelled parts: Strip 30x6mm with 5h + 3h Strip + Brackets from them + 8h Wheel Disc + Domed Disc + N&B. * Very approx. * Also 12, both very approx.
- KKO *KIKONSTRUITOU also poss. Before KITOU. Black parts with round holes but Model Leaflet has most slotted. *Name registered '47. *A/G pitch about 1½". *4.3 also rep'd. *Hex Nuts also poss.
- K E From G&T. Wavy 'economy' Strips (narrowed between holes. * May have also been called KINCO ENGINEERING.
- KIN Unusual very narrow Strips with holes in 'bosses'. * In ads first called KINCO MECHANICAL ENGINEER. * Smaller than 5/32". * 1¼".
- KKR Many of the parts are like miniature STABIL. The Flanged Plate & 5h dia Disc in the Crane and Motorcycle & Sidecar on lid do not match the actual parts.
- KMA 5.9mm Tubes w 1.5mm holes, joined by Unions/Split Pins. *Only Collar, Thr'd Pin. *Holes for Pin, not tapped. *Sprockets (used as Gears?). *6.6 for Tubes; 1.5 for attaching parts. *For Thr'd Pin.
- K T Strips have square ends. Made by same firm as TECHNOKID with same parts.
- KTO Strips & Brackets, no wheels or axles. Most parts steel but DAS aluminium. Holes 3.9-4.4. Parts not unlike LYNX but holes larger.
- KIT Followed KIKO. Silver painted parts with round holes at first, then many slotted. * Name registered in 1947. * Mean, from 12.5-12.7. About 1½" in A/G. * 4.3 also rep'd. * Hex Nuts also possible.
- KSK Most parts MECCANO-like but some changed, eg extra holes, flat top 126. Some holes may be oversize instead of slots. * Some s/l. * Estimate, may be more.
- KLX Set or sets to make a Clock using some ERECTOR parts.
- KLT Hobbies. 1/2" wide wood Strips held by push-on Clips; metal fittings. * Possibly 1913. * Threaded Pin only. * Inc 12 lengths of wood & 9 Clips. * Also R head, 5.5mm dia.
- KLO Tubes of about 3/8" dia, also used as Axles, joined by similar tubes with springy forked ends. See also SNAPSTICKS. * Bolt FF.
- KMS 2 sets seen. Model F has 'The KMS Way' & 'Instructive Models Ltd' on lid, & pts for a Motor. Model G has neither name on lid but 'KMS model G' on Instruction Sheet; has pts for better Motor & Far
- K H Mostly special parts for particular models. * In Gantry Crane.
- KN1 2 small sets K1 & K2, containing standard STABIL parts (with cheap finish), and a few special parts.
- KN2 Models are simple Handcart & 3- & 4--Wheel Coasters. Parts are black and include a catch from an ammunition box. * Said to be very soon after WW2.
- KNO Parts look like simplified MÄRKLIN, with variations, in nickel, red, blue, grey, white.
- KLR Rods, possibly 4mm, joined with formed Clips & Unions, plus Plates etc. Manual cover might be from 1950s.
- KOM Strange parts with mix of metal, ceramic, & possibly wood. Some Strips, Brackets brown colour. Lid has Big Wheel & boy on floor playing with small Loco. * 3-3½ estimated.
- KMB Lid of Set EMP 1003 has MERKUR Motor & Battery Box on it. * Words on the lid could be Czech, Polish, or Serbo-Croat & the letters in KOMEB could be Cyrillic.
- KZM *OT METAL. The No.2 set known is very similar in content & models to the Liverpool 1970-77 set. * Irregular in the Strips.
- KNA of BEAVER. Gear seen is 57t, not 53 as in MCS. * Or 3BA, both given in Parts List. * Company ceased trading. ** R head, FB, 7.0 DHD, also seen.
- KNN Forerunner of KONSTRUKTION [1]. KONSTRUKTION moulded into large Tyres. 3 phases, the last very similar to KONSTRUKTION. * Date need verifying.
- KTR Selection of standard FAC parts for small models made from Rods & Clamps. Relevant data as FAC. * In Clamps, no Strips. ** 4.0 also & 4.0 structural Rods.
- KSL 3 Strips to 11h, Brackets, DAS, Pulley. Also card with Dunces Cap, Scale Pan & Balance. * Pre-, post-49 known. * All A, all F, or mix. * &? M2.5. * Some Nuts FD. * 4.9-5.2. * 4.9 for M2.6.
- KSE Made by T & H Co. Box lid with boy & Railway Bridge. Parts include 5x9h Flgd Plate; 2,3,5,9h Strips; DAS; 2h Ø Pulley; 5cm Ø Bush Wheel; A/B. All holes round. * Nickelled. * Some 5mm Ø.
- KØR Name only.
Names used in MCS/NZ & /FB respectively for X.
Name used in MCS/FB for KONSTRUKTOR SHKOL'NIK.
- KNR2 Parts include 3-15h Strips, 9,17,21h A/Gs, 6h Bush Wheel & Wheel Disc, Semi-perforated Plates, rubber (probably) Track.
Name used in MCS/FB for SEL'KHOZTEKHNIKA.
- KNR3 Compare with SONNEBERGER. Later sets called CONSTRUCTOR, * May be M4 in some sets. * 4.5 also rep'd & some holes 5.3.
- KNR4 Small selection of STABIL-like parts.
- KNR4A Set similar to KONSTRUKTOR [4] but coloured parts, & thus it may be earlier. The Windmill model shown on Ebay is identical to one for KNR4 but crudely drawn.
Name used in MCS/FB for KONSTRUKTOR [2] (KNR2) in this List.
- KNR6 MECCANO-like parts & models.
- KNR7 Was listed as KONSTRUKTOR BAUVORLAGEN. Manual cover has simple Crane (Strips, 9x5h Perf Plate, 5h Ø Perf Circular Plate, 2h Ø Pulleys, no Axles). Hole pitch poor estimate only.
- KNR8 Name only. This could be KONSTRUKTOR [7].
- KNR9 Name only. Could this be MALY KONSTRUKTOR?
- KNR10 Parts appear to be very like early KONSTRUKTION, including 'turned' Pulleys, but no A/Gs.
- KNR11 Most parts like CNN1 but + Winch; Motor/Gear Unit. Sets: YUNYI, #2, E/M; & one similar to #2 but no 2 after KONSTRUKTOR, & has some coloured pts. *with M4 ends. Also, not seen, G'box Axles.
- KNR12 Many parts & PNs like early KONSTRUKTION, but aluminium.
- KNR13 Probably older version of KONSTRUKTOR SHKOL'NIK. * Said to be date on back of manual in set with black parts.
- KNR14 * KONSTRUKTOR & CONSTRUCTOR on lid, manual. Parts very like KONSTRUKTION [1] but metallic black. * Only plastic Bevel. * 4.2 in other parts. * Nuts FN.
- KNR15 Small set including 5h Ø Disc with rectangular hole pattern. Lid has a dumpy 'boy' waving a Spanner. * Axles with screwed ends.
- KNR16 Set 1 Tekhnik lid is orange with an 'exploded' Tractor on it; Set 2 Mekhnik lid is orange with a Lathe. Some parts like KONSTRUKTOR-MEKHNIK [2].
- KNR17 *German/Ukrainian production'. Most likely repacked Eitech KONSTRUKTION [1] parts or made under Eitech licence.
- KNR18 Bright Strips, Plates, & black plastic Road Wheels.
- KNR19 Mechanical & military sets but not sure they are by same maker. Bright parts with some like KONSTRUKTION; red Road Wheels & green Tyres. * Both have a 'Ukrainian' 'I' in their names.
- KNR20 Many similarities to KONSTRUKTOR VOENNAYA TEKHNIKA & KONSTRUKTOR K 115 but 3 sets in series. Sets 1-3 have Scooter, unusual Mobile Crane, & Helicopter on their colourful sleeves.
- KNR21 Most parts like KONSTRUKTION [1]. Only set known has 2A & KNR6 logo on lid & manual cover. Expanded foam case has green label with small Ship on very wavy sea.
- KNR22 Yellow lid with Swing on it, & 'Bolt' logo as on some KONSTRUKTOR-MEKHNIK [2] lids. Parts also look similar to KONSTRUKTOR-MEKHNIK [2].
- KNR23 Manual models are from 1960'S MECCANO, also parts but tho hole pitch given as 12mm. Very similar to YUNOST' but its hole pitch is 12.7.
- KNR24 Data from #2 set with nickeled parts as KONSTRUKTOR UNIVERSAL'NYI, & by same maker (JC logo on lid). Lid has just the logo & KONSTRUKTOR in very large letters.
- Now KONSTRUKTOR [7]
- K L Copy of MECCANO ELEC at 10mm scale. * and 4.6.
- KRN Set 10 has content like TRIX A+B+C, + unusual Flgd Plate with bends along rows of holes. Also Sets 1-3 with non-standard 3h wide Plate & 2x1h L-A/Gs, wooden Wheels, as well as TRIX-like par

REF COMMENTS

- KTS Parts look very similar to CONSTRUCTION [1].
- K K Parts probably similar to VINTIK I SHPUNTIK. Name changed to K 115 (no dot) by later maker who also produced KONSTRUKTOR VOENNAYA TEKHNIKA, with a few changes to the parts.
- K M Small set with parts as KONSTRUKTOR UNIVERSAL'NYI, & by same manufacturer.
The heading (in small type) of the Instruction Sheet includes this name but it is not on the lid. KRAN PODĚMNYI (q.v.) is on the lid but not the Sheet.
- K-M2 Black parts, with Set 2 for various models, Set 3 to make larger models. Has large Multi-Jib Crane on manual cover. * 4.0 also rep'd.
- K M3 Many parts similar to SONNEBERGER. * Mod 1.5. * Some holes in various parts 5.3 (instead of slotted holes). Nut AA.
- K-S WKOnbHNK in MCS/NZ. Parts include all Strips 2-11h; 17h A/G; 3x7, 5x5h Flgd Plates; 3 & 5h Ø Pulleys with rings of 6 & 6+12h in faces. CAXAPOB name on manual cover.
- K S Parts mostly from KONSTRUKTOR UNIVERSAL'NYI, & by same maker. Russian name & TOY DESIGNER "SCHOOLBOY" on box.
- K I Metal parts mostly similar to CONSTRUCTION [1]. Plastic Wheels, Pulleys, Bevels. * Bevel only. * FK Nuts.
- KSB Parts inc: 12.6,4h Strips; 3x4h Flgd Pl, Winding Drum. *Only Cr Handle, Plys run on Long Bolts. **An Ebay set has Bolts with tapered silver 'Nut' which might be plastic, alloy, or ?, & may push on.
- K U * Russian names & TOY MECCANO UNIVERSAL on box & manual. Plastic Plates and moulded parts. * Also pressed, 7.1mm. * Also 6.7mm.
- KVT * KONSTRUKTOR. 'Army' set with many similarities to KONSTRUKTOR K-115, & maker also produced later version of K-115 (K 115, without the dot). * 4.6 in Bush Wheel.
- K-I Illustrated parts look just like KONSTRUKTOR [3], but fewer of them.
- KNX Long slots in many parts, usually rectangular. * In smallest set, but at least 10 more.
- KOP Parts to make optical instruments.
- KOS German manufacturer: see MASCHINENBAU, TECHNICAL KID, TECHNIFIX.
- KSR Sets w Strips, A/Gs, etc, & spec Plates for 0-gauge Loco & Goods Wagons. Other r'lway items promised & one set lid shows an elaborate Crane but neither may have been produced. * In Nr.80 see
- K P * ПОДЪЕМНЫЙ. See also KONSTRUKTOR-МЕХАНИК [1]. Spec Br Girders, some tapering, & other spec pts, inc castings (zinc?), for Crane shown. *Mod.1. *On long Bolt. **Some lg Bolts HC 6.7.
- KRU One set with alloy parts in 2 layers including 5x11h Flgd Pl w centre 3*7 cutout; 7h Flgd Sector Pl with end flanges; 17t flat Gear; 10h Slotted Str with 2 centre blank 'holes'. *Possibly DDR. *At least
- KUK Photo of lid shows a boy playing with a Crane which has conventional, & possibly some special parts. Also a small Lorry.
- K B Parts include Plates (2x2 - 3x9h) with square corners. * 48-51 rep'd. * Some sets had M4 with DHD 6.9. * 12.7 also rep'd - an error or were there 2 phases? cf MERCATOR.
- KWB Small range of plain steel parts including 3-15h Strips, 5x11h Perf Plate, & 11h A/G with all round holes. * possibly GD but unlikely.
- LCM The main parts were 30 Flanged Plates, from 1x2h to 3x16h, each available in 10 colours plus chrome plate. ** Mid-30s rep'd earlier.
- LMA Only a 4-5 manual cover seen. It has a boy with M-like Crane and a MOGO logo.
- LAV Promo set with BRAL in small letters on lid. 2 sets seen on Ebay in 2005. See BRAL for details.
- LCL MECCANO parts and a few others in a set for schools.
- L C Also called LE PETIT CONSTRUCTIONEUR (but ? only on manual cover). Various special Plates including gable ends, many with slotted holes. * 12.7 in MCS.
- LTK Aluminium Strips with dark Insulating Plates.
- LED Also called MODEL ENGINEERING. Couplings/Clamping Brackets join Rods. * Set 0, Set 2 exists. * In Couplings. * In Brackets. * In Couplings.
- L B Data from the one unnumbered set known. Parts include 4-bay pierced Windmill Sail, Handle Crank, & hex Collar. * Steel bosses, Collar etc. * 4.2-4.5. * Or perhaps HP.
- LKB * KONSTRUKTION-BAUKASTEN. Basically a copy of MÄRKLIN made of aluminium, but with a hole pitch of 13mm. * From PRs, to 1952 possible. * Mod 2 Gear Rings. * Also AA Nuts.
- LJI The alternative name for YOUNG ENGINEER [1].
- LJM Probably the same as DER JUNGE MECHANIKER.
- L M No other details.
- L T * At some point name changed to METALLO-TECHNIC. Rods & a few 16mm wide Strips joined by Clamping Plates. * Aluminium Pulley.
- LEO Grey parts largely based on MECCANO in 1929 + some MÄRKLIN Brackets. Original parts including unusual Dredger Bucket and Z-Girders. * Many cast Pulleys, Gears of lead based alloy.
- LPA MÉCANIQUE. Probably similar to UNIVERSAL & by same maker. One set is called Auto Militaire. Holes are square instead of round. No other details.
- LPC Range of models made from wooden Rods up to 48cm long, & about 1½cm Ø, joined by 2 types of steel Connector which are tightened by a Bolt with Wing Nut.
- LPC The only known set has parts to make a small Biplane, and they look like BRAL.
See LE CONSTRUCTEUR.
- LPE French name for MEHANO(TEHNIKA) Electrical set, q.v.
- LNV Special parts to make Chair-O-Planes.
- LIL Buildings etc from Str & Brkts joined w Wire Clips & Wedges, w card infill Panels. Steel Axle in Windmill. **2 series of sets w same models: 1st.; 25mm pitch; 2nd: 3-4x larger. *2-3mm for sm versio
- LNG Apart from the Wheels it looks like ROBO/EL INGENIERO MECANICO. * Also US, with different maker.
- LIN Strips with long slots for side frames joined by Cross Beams. Wood Planks form roadway. * Parts held by Wedges.
- LIC First version of MÉCANIC [2], with ÉCÉPÉ between.
- LIF From the sets & manual pages seen appears to be identical to BRITISH MODEL BUILDER.
- L W Name for WALTHER'S INGENIEUR in French markets, but changed to ARTS ET MÉTIERS Serie 3 after c1910.
- LNX Home Repair parts, initially in packets but ultimately sets 1-4 & 7 as well, for small DIY repairs. The parts later used in LYNX sets. Known from 1945 and only lasted for a few years at most. * 3/8"..
- LIO Square Tubes, Plates, etc joined by 1/8x1/2" Rivets (6.3mm RH) & rubber Grommets. LIONEL moulded into Tyres. * .4" in Flgd Plate.
- LAE Name used in 1914 ad for UK version of IMPERATOR , afterwards just ANCHOR ENGINEER(ING). * In Hubs.
- L E1 English name used for exported MALY INZYNIER. The basic parts in illustrations look just like MECCANO. Note 5x11h Flgd Plate with 4 flanges & 2 'saw' slots.
- L E2 At least 5 theme sets with around 100 parts in each for small models. * May be a little earlier. * In the sets seen, there are almost certainly more.
- L G Strips joined by N&B, 21mm Studs with hexagonal centre, & Spindles that screw into one another. Various plastic Plates. Also small plastic Horses & Teddy Bears.
- LGM JUNEERO like Tool. Few other details except maker, but Ebay set has Strips & Pulleys in it.
- L J1 Name used by J.C.Penney for DUPLEX STANDARD CONSTRUCTION TOY, q.v. for details. * Not necessarily for all this period.
- L J2 Name used by J.C.Penney for MECCANO - GILBERT [b], q.v. for details, though range of sets & parts probably not as large. ** Need verifying.
- L J3 Name used by J.C.Penney for METALCRAFT Train Construction sets, q.v. for details.
- L L As far as is known sets with Gabriel ERECTOR parts packaged for Sears.
- LOC Fr photos of only known set. Green Str & str pts, w black A/B, N&B. Str wide in relation to h size. No Whls or Axles. Label on brown lid, & manual cover, white w name & Les Constructions Métalliqu
- L S Some parts similar to LYNX. Push-on rubber Road Wheels with CRESCENT ENGLAND around 'tyre' on one side. ** Data need verifying. * Hex Nut also shown in manual.
- LYN Strips with end holes & groove between for strength. Flgd Plate top has staggered 1" pitch holes. LYNNCRAFT moulded in Tyres. * Mostly, also 3/8, 3/4", & others. * Also sq Nuts. * Also 6.3.
- LYXa Sets 1-4 known 12/45 + LINX sets. New pts inc rubber Whl & Ply, Flgd Pl, longer Strips. *or 6BA. *Strip 3/8", Flgd Pl ½", Brkts various. *Flgd Pl 3.8. *Nuts often FN. 6BA: Nuts BB.0 or FN.4; Bolts BB or FN.5 5.1m.
- LYXb Parts packets may still be marked LINX. A few parts marked LYNX, some MADE IN ENGLAND. Push-fit rubber Whl & Ply. 5x7h Flgd Pl replaced 4x7h. * & 6BA. *Variations in some Brkts. *As above.
- LYXc New parts: inc Gears & 3h wide Perf Pl. Sets 1-6, later 1-7, in larger red boxes. Later an Electrolynx set, a #4 w sm Motor. Later parts were anodised aluminium & mostly marked. *Perhaps mid-50s
- MKT Parts include 4½" Face Plate, braced Crane Arm, G/B Side Plate, Corrugated Plates. * Withdrawn 1960-65. * Approx, also large-toothed Gears, Mod.2, & matching Rack.
- MAB Parts for models of machine tools. * Also 13.4mm. * Also 5mm. DER JUNGE MASCHINENBAUER has same?similar parts.
- MNK Flexible steel Strips 15.6 wide; most parts A. Assembled with Eyelets & some N&B. ** 47-'70 rep'd. Also rep'd: * 1/8" W; * & 9 in some flanges. **** Also FD Nuts; Bolts: C FF 5.0, D BD 5.6.
- MHO Only a No.0 set has been seen. Its lid has a 1960's MECCANO No.3 Block-Setting Crane on it. The parts are red/green MECCANO-type except that their holes are rather smaller. ** Estimated.
- MCN Parts similar to CLOU & MATCH BOX CONSTRUCTION SET [2/3] but approx 1.5 times larger. Models shown are identical.
- MSR Single model set for simple Big Wheel. Holes only where needed. * +Tools if any. * Mean of 2.7-3.5.
- MAD MECCANO- & MÄRKLIN-type parts, nickel at first, then blackened. Lid has colourful river scene. * Mod .63. * Nut nickel, then blackened,

REF COMMENTS

- MAF Rugged parts for child-sized models eg Bench, Push Chair, Irish Mail. Maker: Fellbach GmbH, Stuttgart-Fellbach/Württ. Strips etc have interlocking grooves. * Patent.
MAG Large, heavy steel parts, with Wheels & Axles. No other details.
- MAJ Simple set seen has silver MECCANO-like parts except slotted Trunnions, plastic Wheels, small-handled wire Screwdriver. Lid has small red line drawings of models on yellow ground.
MTY Hardboard parts bolted together with A/Bs.* 3.9 in A/B.
See CASTCO.
- MAK Small set with MECCANO-like parts bought in India.
MKB System with many unusual parts, often extruded, & electronics etc, for making Robots etc.* At right angles. * & 8.0. * Often slightly smaller to be opened out. * & 8.0. * Socket set screw.
MKK Metal plus 'Lego' parts. * Seen on Ebay. * M3 Screwed Rods.. * Approx. including some 20 metal.
MKL 5/16" wooden Rods held in U-Clamps. Wooden Pulleys. * Patent date. ** Used only in clamps.
M Z Parts very like MECCANO. Sets may have nicked or painted parts. This system exported as LITTLE ENGINEER. * 12.5 in some parts. * Double V scwdriver slot in head.
MLY Many parts like CONSTRUCTION but rounded corners & all A/G holes rd. Also, instead of Plastic Plates, many metal Perf Plates, & 6x6,12h Plates. All Whls plastic. *Some push-fit. *Only Ratchet W/
MSH Parts look just like CONSTRUCTION [1] & are nicked. *MAL'YCH is alternative rendering of Russian name used by Constructorama.
- MAM Ad in MCS shows nice Tower Crane but does not show any parts clearly or method of construction.
MFX Laminated Strips & various section Girders, with no holes, to be cut to length & joined by tinplate Clips with lugs wrapped over using Pliers. Range of railway accessories. ** In Bogey.
MAR *+ '04 Digger set w pts by Metallus. *+M6 for theme set Hubs. *s/t early/late. *+ Rings 14.5. *Exc elec pts, & abt 20, mostly plas, in 80s theme sets. ***c20: dST=4.2; dBS=4.1; P hd Bolt. '89: c Bolt
MAA Probably mainly special parts for 1 or very limited number of Ju.52 type models.
MAC One Chassis set & 7 for Bodies, see MCS. * For Chassis.
MAE Standard & special parts for a wide range of models.
MAI Unpainted MÄRKLIN parts with some differences eg no bosses. Also Screwed Rods & a Wheel Disc.
MAX Alloy Strips, A/Gs, Flexible Plates; steel Flanged Plates, Brackets. MÄRKLIN on Large Tyres. ** or German equivalent perhaps. * Mod .65.
M_R MÄRKLIN parts and probably similar sets.
- M&S Specially packaged sets with MECCANO or CONSTRUCTION on boxes as well as M&S. * CONSTRUCTION only In early years.
K N A Kosmos system. Semi-specialised parts to build machine tools.
M W Name only.
M B Parts inc 3 Formed Strips, curvy Triangular Pl, 5x4,11h Flgd Pl, 8h Flgd Sector Pl w 2 45° slots, 4" Tube, 3" Wheel. *&? 5/32x30. *fr Pinion. *4.1,4.3 in some parts. *H Nuts shown too. * &? 7.3.
MBRa Many parts marked KW+PN. Plates Bakelite, 3.3mm thick. ** Early sets may have been called METALWORK with some light alloy parts. * For Set 2 (Set 3 largest). * Also BB Nuts.
MBRb All parts painted. New parts include metal Perf & Flgd Plates, but some parts dropped. Many parts have KW+PN on them. * Nuts FN. * ½" Bolts are BB with 5.4 RH.
M_M Only a manual cover seen. May be for making models from various materials.
- MBC1 CONSTRUCTION. The original entry was based on 'MBC2' in OSN 6 but it is now thought that the MCS set was either MBC2 or MBC3 below.
MBC2 CONSTRUCTION. Mfr: Louis Marx. Small parts similar to CLOU but Wheel instead of Pulley. Box top has boy with Buildings; bottom has Vest Pocket Builder, cross, 4 medals (not as CLOU).
MBC3 CONSTRUCTION. OSN6: MBC1. Mfr:LINEMAR. Pts like CLOU. Box top as MBC2 except maker; btm w Vest Pocket Builder & 100 Toys in One. Sets known without Linemar name or w it blacked out.
MBC4 CONSTRUCTION. Name on folded card clipped to top of clear bag with blacked out Linemar (MBC3) set inside.
MTE Label has MATEX METALL BAUTEILE & logo of boy riding large bird. Main parts: Strips to 5h, 4h Wheel Disc. * In Set 1.
MTT Like simplified STANDARD L.R. (no indentations, Clips, Gears, etc, etc) but also aluminium Plates with impressed circles.
- MAH Looks like MECCANO but holes smaller. Larger sets than the #9 seen. * In Set 9, a No.10 was listed. * 3.3-3.5. * Badly made. * Also SR (6.1/5.3); & C head shown in manuals.
M-F Name only.
MXY Special parts for range of vehicles. * Needs confirming.
MAY Copy of manual cover is similar to MECCANO of 1934-36 & 45-47 with Giant Block-Setting Crane. Made by Rai Toys like PLANO, & may have same quality issues & dimensional variations in part:
MCD No other details.
MBKA Lid has 2 children & a Large Crane. Parts seen are Strips, 11x7h Plate with edge & centre cross holes, black Wheels, plastic probably.
MEB The only known set is to build Bridges with special Plates & Strips. * Decking Plates are of an unknown, very heavy metal.
MECA Small No.2 set with red/green parts, some unlike MECCANO, but models MECCANO. MECANO 2 on box. cf CONSTRUCTIVO, also DISA.. * After 1954. * In Set 2. * Some to 4.2. * 3.9-4.1.
MBL Strips, Flgd Plate with slots between many pairs of holes. Boy & large Big Wheel on manual cover. * Square Nuts shown in models.
- M-A No other details.
MCF No other details.
M La A Base Board with Supports for gearing & for commercial components.* Mod 0.5. ** For Base Board.
M Lb 3 later versions of M La, all with smaller parts & each with different Gears. * Mod 0.3, also 0.25 & 0.2. ** For Base Board. * Also knurled Nut for 2.5mm, & oblong for 4mm Ø.
MAT No other details.
MTO Name used in patent for a system like AUTO-CYCLE, by same manufacturer. No sets or parts known.
MCNX Unpainted aluminium parts with red steel or brass Pulleys. ** 1946-7 also mentioned. * 12.65.
- MEC1 Said in MCS to be a simple system from same family as MERCATOR. Boy 'riding' Floatplane on manual cover.
MEC2 MÉCANIC LE PETIT INGENIEUR FRANÇAIS on lid. Wide-tipped Prop, Spoked Whls, Toothed Segment, etc. After L'INGÉNIEUR CONSTRUCTEUR & ÉCÉPÉ. *A few h smaller; & 4.1 rep'd. *rep'd.
MEC3 * From '56-57 list. Sets appear as the then current 0-3 MECCANO but with MECANIC on the box lids, The parts though may have been made locally.
MEC4 As MEKANIK [2], & * name used for brief period in, probably, 2nd half of 1950s.. Data from MEKANIK [2].
MEC5 Earlier name of MEKANIK [1]. Data from parts believed MEKANIK. * Mod 2. * In only manual seen, for Sets 1 & 2, but no doubt more in Set 3.
MEC6 A box on Ebay has a lid showing a boy with small green models & similar model sheets in B&W. Could be MECANIC [1].
MEC7 Almost as A.W.S. but steel instead of alloy parts, & probably extra smaller Pulley. * 2 Double Gears in set seen but probably foreigners. * Holes look slightly larger than A.W.S.
M I Parts mostly like MECCANO but 7h Trunnions, 6h Wheel Disc/Bush Wheel. Models are MECCANO so some parts in them do not correspond to those illustrated. ** From MCS, needs confirming.
MRC Parts are red/green & look exactly as MECCANO but pitch etc not confirmed. The manual model seen is copy of a MECCANO No.6 1937-47.
- MNT Identical to TECNIKIT. * Also aluminium Strips, A/Bs, Axles. * In Set 0. ** Also hex 9.7 A/F.
MAN Set known: in wood box w only A.L.N on lid. Pts: red & blue Str, Pl, Whls, inc 5h Truns w pointed apex, 5x11,5x9,5x3h Flgd Pl, 5x11h Flex Pl w 5h down centre, 23mm brass Whl. *3.9-4.0. *or FF.
MAO1 Set received as present in Belgium, with parts unlike MECCANO. No other details.
MAO2 Blue lid label with name & 3 vertical Strips in red, and "THE BEST" in white. Most parts close copy of German MEKANIK, but not so well made & no slotted holes. * Mod 2.
MAO3 Details from a #1 set on Ebay. The lid has boy with Bridge & Trolley Bus. Parts all, except small Pulley, like STABIL but aluminium. * In the far from complete #1 set. * Prob, but ½" mentioned.
M_E Lid label has Morse Key with Paper Tape recording. Main parts: Base Plate, Strips, Brackets, Coils.
- MVN1 Fair range of typical 'Aero' parts for good selection of models, including multi-engined. * Ads refer to aluminium but this may be colour, or wartime material.
MVN2 Smaller range of smaller parts to make fewer, smaller models, span 33cm. Probably 3 sets: 0, 00, 000, all called Baby. 2 types: Wings rectangular, then elliptical, with change c1934.
MVN3 A set called PILOTE D'ESSAIS (Test Pilot) with parts to make 3 basically similar, very realistic models with 2, 3, or 4 engines; all with twin Fins and 54cm span.
MVN4 One Set makes at least 2 similar jet aircraft. Its lid shows these & 3 others, inc a Meteor twin-engined type, which can probably/perhaps be made with a larger or add-on set.
M-B Parts & models very like MECCANO; manufacturer also sold MECANIC [3]. * At least, PNs up to 250. * Crank Handle.
M-N Name only, except that Strips are probably 4mm wide or less.

REF COMMENTS

- MNO Another name for BRAL, q.v., & same parts as far as is known. Date from post-WW2 boy on manual cover.
- MO Possibly BRAL.
- MCO †† may be 7-32 from c'03. *Clips held Whls 'til '12, s/t until '28. * & 16; earlier 40. *approx until c'80. *NS: 4.2. * & FQ, & FK in Army sets. * & H Nuts 6.3 A/F. *Bolts: & 6.2 R head; & 6.4 b head (fr '89)
- MCA1 Special parts allow various different models, inc multi-engined.
- MCA2 As [1] but smaller, simpler parts for single-engined models.
- MCE * Including Accumulator. Parts for use with standard parts.
- MCC For use with standard parts. Sold as set & also included in 5ME outfit.
- MCT In France, from 1963 in UK. * In set for use with standard sets – also sets with standard parts, eg 4EL outfit. * Earlier FN.
- MCK Special parts for wide range of experiments. * Also special Bolts & hex Nuts.
- MCGa Mix of standard MECCANO/ERECTOR parts. * 8-32 also rep'd. * Including 16 Ship parts & 42 ERECTOR parts.
- MCGb Mix of standard MECCANO, ERECTOR, & Wide Beam parts (some not in MECCANO 'WIDE BEAM'). Data from a LITTLE JIM set. * In Wide Beam parts; otherwise 4.3. * Also Snap Rivets.
- M-K Until '14 MECCANO imported, w black parts after '12. '14-'17 sales under German control with local pts as needed. '17-'19 Märklin bought company, Meccano-Märklin sets w some pts dual stampe
- MMA Standard parts with some holes omitted (plus some Flex Plates ready bent), & wooden Gun Barrels.
- MCM Sets 0-5, prob very sim to Liverpool's '65-69 sets, with sim boxes. Made under licence by Exim-Mex S.A. Exim had exclusive right to make MECCANO in Spain before moving to Mexico in '71..
- M-M Data may be for MODERN-MORECRAFT [a], which replaced MECCANO-MORECRAFT. * Key fixing for some parts. * Most, not all, 12.7x. * Snap Rivets also.
- MMC1 Special parts allowed several models to be made.
- MMC2 More special parts but smaller & simpler.
- MCR Some fibre Plates & standard parts but mostly special parts.
- MSP * 2 Sets with similar contents, SPACE 2501 & HYPER SPACE. A few special plastic parts.
- MSNa Sets 000-7 as early 1930s Liverpool MECCANO, made & sold by Poch (the METALING company) with parts identical to METALING. * 1935 also rep'd.
- MSNb As MSNa but sets 0-8 as then current in UK.
- MSNc Sets 1-5 as UK in similar bpxes made by Exin-Lines Bros. S.A. In 1970 Exin moved to Mexico.
- MSNd METALING sets also sold under the name MECCANO METALING, & also under this name the METALING versions of UK multikits etc.
- MCU Mainly similar to Liverpool MECCANO except usually tin instead of nickel plating. Remaining data probably as Liverpool but needs confirming. * 7-32 also possible.
- MCW Small Gilbert sets with parts like MECCANO X but Strips have fewer holes, also a Flanged Plate. * Or 1933. ** Snap Rivets from 1934. See also MECCANO - GILBERT [b].
- MCX Strips ¾" wide with ¼" pitch holes, not staggered like TRIX. Similar sets in France as L'INGÉNIEUR FRANÇAIS; in UK as BRITISH MODEL BUILDER; elsewhere as MONTEX.
- MHM 3 sets similar in style to MECHANIMALS & from same maker, but more complex & wireless controlled.
- MNC1 Seen in Malta & Kuwait. WISDOM parts repackaged, but colours different: red, white, blue, though usually red, yellow, blue in Manuals. * Copyright date. * Also 2.6.
- MNC2 Ebay sets have lids w model & starburst. 1 model like METAAL CONSTRUCTIE SET (MLE). Lid talks of C/W Motor but Elec shown, as in MLE. Has 'Chinese' pts but prob 12.3 pitch, & some specials.
- MCH Ref: *Baukästen* p331. No details.
- MCL Apart from its lid the only (No.1) set seen (on Ebay) is idential to MECHANIX [2]. The data here are taken from MECHANIX [2].
- MME Strips had square ends & turned over edges. Wheels held with special Clips. Early Rods were grooved. * Prob BB also.
- MCS As HELLER but fewer parts. Made by VEB Ankerwerk? * Sold in Holland as MECHANIKUS STAALKNUTSELDOOS. Also German MECHANIKUS seen. * Post WW2, but earlier?. * Threaded ends.
- MHK Only a Set Nr.100 known. On the lid the name is suspended from a Crane, & a logo has K+U in it. Parts are Strips, DAS, A/B, Wheel Disc, Loose Pulley, Hook. * Also square Nuts.
- MKA Strips 3-11h: 9,11h A/G; 4x4, 4x8h Flgd & Perf Plates, 6h Flgd Sector Plate, (4-2h across); shapely Trunnion (not seen) with 2+2+1h. All holes round except in Flat & Angle Brackets.
- MNS The only set seen, on Ebay, had a mix of rusty nickel parts from more than one system, for instance a STABIL- & a MÄRKLIN-type Flanged Plate.
- MAL 6 animal Kits with mostly special parts for each. MECHAMO was later development of the idea. * Aluminium parts also rep'd, stamped with PN. * No Strips; also 4.1.
- MNX1 The lid has a random pattern of Strips with name, 'Educational', & 2 boys w Crane in centre panel. Unusual concave-sided Trunnion. Some 1" Pulleys had MECHANIX cast into them. * Some 4.0.
- MNX2 Well finished BRAL-like pts in white, red, & blue. Plas Plys, Bush Whl inc bosses. Lids w 1 or more models along top. **Later bosses FN,d/t,4.1 bore. ***Later: Bolts CH 6.3 & 5.8 Ø; Nuts 7.2&7.4 A
- MNX3 Lids w models along top. Most pts, sets, similar to WISDOM but colours different: blue Str, red Plates, white or yellow Flex Plates. Some new pts inc Gears. *© date. *But Gears 4.0. *Mean; also 2.1
- MHN An Ebay set has mostly WISDOM-like parts & man'l models, but a few parts & 2 model sheets look MERKUR-like - perhaps the remains of another set. 3 boys making models on lid label & man'l cov
- MRX Parts are MECCANO copies with a few new ones. No TRIX connection. *** Based on claim to be compatible.
- MRA TEMSI parts & motor, plus special (electronic?) parts. Ref OSN 13/360. Data are for TEMSI. * 12.73 in some parts.
- MHB Small sets with original models. Parts are mostly MECCANO copies including 3x2h Corner Bracket but note a 3-sided Corner Bracket. * M22a, & probably Road Wheel. * At least.
- MEO Maker, Heller. 'Constructor' plier type tool had different heads, & more versatile than the 'Mechanikus' one in HELLER'S STAHLBAU & MECANICUS. * or '34.
- MOC 2 small sets seen on Argentine Ebay with mix of Eitech- & MECCANO-like parts. TOY BOX brand.
- MTH Some sets like WISDOM (#2,3 known) & others with special parts for rocket carrying plane & other vehicles. * Up to 4.8 in Plastic Plates. * & 4mm almost certainly.
- MKS *KONSTRUKTORS. Latvian, + Russian MEKHANICHESKII KONSTUKTOR SHKOL'NIK on box. Parts common to EMK, MJA prob identical. *Rubber Strip as key. *Mod 1, may have been .6 earlier.
- MHA MCS parts include 1" type M187; 9h Flexible Sector Pl; 1" Pulley with large Ø (plastic?) boss; 4h Discs?; 24 DP Worm,12,36t Gears; * & 16 DP 12,24,36t (plastic?) Gears. Electrical set also shown
- MHE Has a few standard parts. Sold under other names, see DKL; DLK; E-P; LPE; P S; TLE. Data from 1999 set. * MEHANO from '90. * Was YU. * Also 2.2 as bearing. * Armature shaft only.
- MEH * TUBEPLAC parts (or at least some of them) are stamped MEKA, so possibly there are MEKA sets. See also K.do, made by same firm.
- MEK1 Followed MECANIC [5]. Special gears including a pinion sliding on a square shaft. * 1967 has been mentioned. * Mod 1. Also Mod 2 large toothed gears.
- MEK2 Many unusual parts inc: single Braced Girders w 1 row of holes; Pulley Discs w & without boss, up to 100mm; Flgd Pl 5x5, 7x9, 7x11h; Perf Pl 7x13h. Data need verifying. See also MECANIC [4].
- MEK3 Lid not seen; manual cover is B&W with name above & diagonally through drawing of various parts. Main parts: Strips 2-25h, Flgd Pl 5x5 & 5x10h, Brkts. Slight MERKUR look to some parts, mode
- MKN Only an incomplete Set 4 seen with Railway Coach on lid made from large Panels. Also on lid conventional 'Strip' models but no matching parts in set.
- MA * Name on model leaflet in #2 WISDOM/SAGESSE box. Colours as MECHANIC [1]. * Copyright date on model leaflet.
See EPA [b].
- MKS KONSTRUKTOR. Russian, + Latvian MEHANISKAIS KONSTRUKTORS SKOLENS on box. Parts common to EMK, MJA prob identical. * Rubber Strip as key. * Mod 1, could be .6 earlier.
- MKO Parts look like TRIX. One model, a Crane, is same as EL INGENIERO INFANTIL. * Probably similar to TRIX but no slots shown in face holes of largest Gear.
- M_X Parts brightly coloured and include 7h Flat Trunnion.
- MEKO Data fr Set 1, the only size seen. Lid has a Crane man'l model. Structures made w M4 N&B but M5 Screwed Rods used an axles with Plys, Nuts etc to suit. *4.3 for wood 50mm Ply. *9 for M5 Nut.
- M-S Strips and most Plates have cut back ends/corners. Spanner stamped ARTIN. * 4.2 also rep'd. * Nickel Nuts.
- MKX Standard MEK-STRUCT parts plus special track parts. MEK-STRUCT data used. * Probably nickel Nuts.
- MTR1 Parts include some unusual Plates, 4" Pulley, 3 Boilers. * M3 (?) in one part. 3.8x26tpi earlier (Type 1e). * Mod 1. * 12.7 in MCS. **** Also HC BB 8.0 7.0.
- MTR2 Unlike MERCATOR [1] with different parts, hole pitch, Axle Ø, etc. * In set 6, the largest known. * Also known with 12.4mm. NB Thread & boss data for 12.4mm pitch parts.
- MRO Only a manual known. The parts common with DEN DANSKE INGENIØR are the same in the Illustrated Parts of both systems.
- MER1 Replaced INVENTOR. Also sets named Ebert & Wifra MERKUR. * including parts in plastic as well as metal, but not special parts added since '99. * FQ after late '90s. * Earlier BB, DHD 5.6.
- MER2 Possibly pre-WW2. Parts, painted or nickel, generally like MARKLIN but 13mm pitch & smaller holes. * in Set 1, there is a Set 2.
- MEA Set to make Plotter using standard, modified & electronic parts. Strips, bosses, Axles probably as MERKUR. * Including 15 electrical.
- MEE Good range of standard, dedicated & special parts inc Motor Armature, Compass, Bell, Magnet, Coil, 6-tooth Striker(?), & 5x10h Flgd Plate with 1/8cm sq hole at one end.
- MES Full details lacking but standard parts, Bell, Lamp Holder, & Coil can be seen. * Date is speculation but this set seems to have preceded ELEKTRO.
- MEM Special Plates to be used with standard parts. * Approx, including perhaps 28 special.

REF COMMENTS

- M B Lid seen shows Bridge made of Strips. Parts include zinc Strips, steel Flanged Plates with holes only in flanges, aluminium Pulleys & Road Wheels. * or 1930s. * at least. * for Plys, 3.0 for Rd Whl
- M L E Seemingly Dutch. The one set known features small fairground models, & is probably a repackaged MECHANIC [2] set. Special parts include 7h Trunnion, 11h Curved Strip, 15h Disc.
- M B A No.1 seen has lid with 'clunky' boy & small models. Main parts are 3,5,8h Strips & Pulley Disc. * In No.1. * Possibly Nut is brass (plated).
- M B O Connectors push into Tubes (approx 10mm Ø) & clip over other Tubes. * tubular boss on the one Pulley.
- M D Unusual parts include 8x2,4,8,10,20h & 6x6h Triangular Flgd Plates. Plastic Pulleys have radial holes for Rods. * Applies to plastic Sleeve which forms push fit hub of plastic Pulleys.
- M T C M From *Baukästen* p275, made by a firm called L.W.
- M T N In *MCS* the main parts are MECCANO 5x11h Flgd Pl; 5,11h & Curved Strips; DAS; Flex Pl; Trunnions; Bush Whl; (1st) Rd Whl. Lid & man'l cover have river scene w boat & v long Lifting Bridge.
- MLX Plain aluminium parts with some slightly unusual inc 7x7 & 7x15h Plates, 21 & 33h Strips, 2 small Triangular Plates. Machined Pulleys & Flgd Wheel. * Steel. * Also C 5.0mm Ø. * Bolt FD.
See BOITE DE CONSTRUCTION METALLIQUE.
- M M O Set very similar to METAMECH and probably came between it & META BUILD. * In Senior set, the only one known.
- M R 3 CONSTRUCTION [1] sets for Early Learning Centre. * Bevel only.
- M C B CONSTRUCTION, BUILDING. Parts in sets seen: M#2,5,6a,12,48a,5x5,11h Flgd Pl, " Discs, Span'driver. Strips have either sq or rd corners; otherwise all corners square. * Discs run on Bolts.
- M F T 1a Sets: 2 types of Aero called Spirit of St. Louis; 3 Airship; Hanger; Mooring Mast; Airfield. *METALCRAFT LYONS after '29. * Also rep'd 27-35. * For Aero only, 69, & Airship only, 32.
- M F T 1b Sets with parts to make 12 Goods Wagons, no Loco. * 1935 also rep'd. * Some larger/smaller eg 1/4", 3/32". * Tinplate Flanged Wheels. 3.5 also seen.
- M F T 2 As PIONEER.except no A/G. * Under paint.
- M C See BOITE DE CONSTRUCTION MÉTALLIQUE.
- M G O Known from a Bral ad in a manual said to be from the 1940s. It has Tubes or Rods clamped together and some BRAL parts eg Pulley, Bush Wheel.
- M L N * An Ebay manual from Chile has METALIN Metallbaukasten on cover, with Spanish model names inside. Cover also shows fair sized set with red & blue parts. Likely to be a copy of MÄRKLIN.
- M T L a Lid has large fairground model with man & wife beside it, and small boy looking up at it.. More or less identical to MECCANO. ** 33-35 also rep'd.
- M T L b Typ lid has name in blue panel & panels w models. More parts than MTL a inc plas Gears & Spkts (for plas Chain), both w brass bosses. Fr '76 sets also sold as MECCANO METALING. * & SC.
- M T X Parts look very like TRIX, with some very small differences in shape. This whole entry needs confirming because source not now known. *MCS* has 3.7mm holes at 7.85mm pitch.
- M D N Sets for Insect/Dinosaur-type models w pts held by tabs & a few N&B. Of the 7 Dino sets 3 sold in US w same name but diff lids, & same 3 sold as TRONICO. *METAL KIT (Insects). *METAL DINO.
See BSL METALLBAUKASTEN & THALE METALLBAUKASTEN
- M N 1 Black parts. No other details.
- M B N 1 *Not always hyphenated. Lid w lg tracked Tractor beside logs w firs behind. Sets v sim to SCHEFFLERS. Was between SCHEFFLERS & BURGSTÄDTER. *Mod 2 & also gear-like Sprocket. *Nut FK.
- M B N 2 Lid w boy at table w arched Gantry Cr. Simple sys w spec pts for Cranes. Pts joined by Studs & N&B. *After WW2 poss. *12.6 in 13h Str. *Mean, & 4.7 rep, & 2x13mm Ø h in Sideplate. * & 5mm.** & Z 7½ Ø.
- M B N 3 Similar to, or probably the same as AUKI, but perhaps fewer sets. Lid label has 2 boys with Lorry & to the right an 8-bladed Windmill. Sets seen have an AUKI manual. * Scaled, could be ½".
- M B N 4 Crane on lid label w 'H' on hook & name in RH corner. Sm sys w silvery pts. One set has Flgd Pl 5x10h w 3x8 cutout, & 4x3h w only centre & edge h. Another has 5x10h, no cutout, & 5x5h full perf
- M B N 5 Sm box with METALL-BAUKASTEN along the top of the lid & 2 boys with largish twin-towered Bridge on table below. Parts: silvery looking inc Strips 3-9h; 5x7h Flgd Plate, & very wide 3h Strip.
- M B N 6 Details from one Set Nr.301/302 with man, boy, & 'Früh Übt sich' on lid. Just Strips, Perf Plates, Discs up to 5h Ø, small wooden Wheel. * Also said to be c1930.
- M B N H Lid has Crane above a barge's deck. The Crane's load is a diamond shaped 'HO' logo (or is it 'H0'?). Name is 3 words top right. A simple sys w silvery looking pts, Str up to 8h long & a Whl Disc.
- M B N 8 The lid has a boy & girl looking at models on a table. Known only from a small set seen on Ebay with a few Strips, & Pulley Discs with & without boss. * At least.
- M B N 9 Known from a blurry Ebay item. Lid is blue & white with 2 models, each showing a 5x3h Perf. Plate. Parts are bright including Strips, 5x3 Perf Plate, various small Flgd Plates, but no circular parts.
- M B N 10 The one set seen has wood box w yellow sliding lid showing boy w 5 sm models. Pts may have been nickelled. 3,5,8h Strips; A/B; Ply Disc. Model L'ft is headed Metallbaukasten Nr.136. * From Pl
- M B N 11 Name & set no. diag on plain lids w logo of R on poss O top left. Sets 10, 20 seen on Ebay. 30 mentioned. Metallic gold looking parts up to 11h long & prob, rubber push-on Rd Whls. * In #20.
- M B N 12 Blue/white lid w Crane & sm ?NHR? 4mm h w few 5.5mm for 5mm Axles. Pts have al look & inc Str, A/Gs w slotted end hole, 8x8h Pl. *Hyphenated on manual cover. *A few 5.5mm hole for Axles.
- M B N 13 Label w 5 models: Trolley, Scales, Windmill, Big Whl, R'dabout. Main pts: lg, sh Str, sh DAS, sh Twisted Str, all w just end holes; A/B; lg dia Whl Disc; sm Ply w only centre h. *Discs run on Long Bc
- M B N 14 From an Ebay set. Red lid with 'SPEZIAL Das praktische Lehrspielzeug' under name (with Metall in script). Parts look like SONNEBERGER.
- M B B *Batterie-Motor. Heavy black pts, later some r/g. Some like simplified MÄRKLIN, but diff Gears,Railings. *70+ also suggested. *Mod.1. *12.63 mean but 12.4 in some 11h Str. *12.8 rep'd. *4.3 eyelet:
- M B K See THALE METALLBAUKASTEN.
- M I C Similar WALTHER'S INGENIEUR but N&B & no wood pts. Str, A/Gs, 4h wide Perf Pl 3-10h long, & a large Fan. *Prob short lived. *In bore. *Mean for Str, 9.8-10.2 in some Pl. *Thread's internal dia.
- M L C Maker is as MECHANOTEHNIKA. Parts unlike MECCANO inc: Track & 6-spoke Wheels; Curved Strip; some Strips with side indents & small hole. * Mod .6. * In Sets 1-4 & 10 (sets 5, 6, 20 not seen
- M J A METALLBYGGSAT (Swedish name) & Made in Estonia on box. MECHANISKAIS KONSTRUKTORS 2 'SKOLNIEKS' on inner box of 240 set. Parts like EMK. * Rubber Strip.
- M L 1 Pts inc Str, Whl+Ply Discs, 9x5h Flgd Pl w 3x5 cutout Pl (often red). Red lid w boy's head & nice Crane. May be related to DER KLEINE INGENIEUR [2]. *Often largely A. *4.2 & 4.4mm also known.
- M L 2 Range of repro TRIX parts from Metallus, with other lengths, & one set. Plastic Gears with ?push-in bosses. ** Probably as TRIX.
- M L O 1 Lid has name within an elongated diamond frame. Steel Rods joined by various brass Couplings.
- M L O 2 Lid has 3 boys w Funicular Railway. Made by same firm as D.V.s INGENIØR. Many parts similar to MÄRKLIN but unusual Flgd Pl (9x7, & 5x7 Z-section), Railings w X bracing, etc. *est + Rings, 14.
- M L O 2a Known from an ad which shows a simple shoulder-wing Monoplane with 2 open cockpits & 'ribbed' Wings.
- M L O 3 Boy by 'Eiffel' Tower on lid & man'l. Likely Belgian as man'l in French+Dutch. Red, green, blue, yellow parts, mainly 5x13h Pl, Str, 1" Ply, & unusual 8h Bush Whl. *Poss c.2.5 Ø. *As in man'l model:
- M-L Name only.
- M-O Name only.
- M-T See LE MÉTALLO.
- M T Clamping NBW join Triangles edge-to-edge with DAS crossways. * & 2.4x.65. *some parts 12.0, 8/8.5 for DAS outer holes. *Typical but up to 3.4, & 2.9 also. **** & HR FB 6.3 6.0. FN also possible.
- M L S Very large range of parts & some sets. Mostly like MÄRKLIN at first but now many other parts, some original. TEMSI parts in some sets. * At least (as a guess). * Also Allen head. * Also BB.
- M-X Range of (prob al) Str, A/Gs, mostly w h at ends (fr 50mm pitch up) & Tool to punch extra h. Also Axles, a Bush Whl, a few red 'plate' pts, etc. Lid shows numerous models, Crane,Bridge,Swing,etc
- M M O Set very similar to METAMECH and probably came between it & META BUILD. * In Senior set, the only one known.
- M M S Tool with same scope as JUNEERO. ≈3/8" wide Strip, * Patent application in '45; manual PR has 8/46. Ad in G&T 11/47 with name only & from different firm. * Hole takes 4.0mm Rod but not 4.06.
- M L S The one set seen, B.A.R. Gun (British Anti-Aircraft Rocket Gun), has all olive green parts, and most, perhaps all, look specials. Made by Parco Products Co., Allentown, Penn.
- Name changed to OPSET METALMEC.
- M L R Parts stamped METALOR/BELGIUM. In some Angle/Flat Girders only some holes elongated. Strips & Stays (wire with end loops?). Name in a Frame suspended from a Crane on manual cover.
- M-X Cane Strips and aluminium Unions. Probably no threaded parts.
- M L K Parts look like CONSTRUCTION [1], including yellow Windmill Sails, but different black Motor & Battery Box. * METALTECHNIK on some sets.
- M L U * Name was erroneously METALLU, as in some ads. No N&B: Panels, A/Gs, etc, unperforated, push into K section Clips. Finished models look rather like CONSTRUC. * Ends are tapered.
- M T K First name of MASTERBUILDER in ads: METALWORK THREE is on box lid, & said to contain parts of plastic & lightweight metal alloys. Data from MASTERBUILDER [a].
- M W S Ebay set shows Tool rather like JUNEERO plus Rod, Strip, Wheel, N&B. Red lid & manual cover show boy with Tool & man working on Big Wheel.
- M T M Parts very similar to META BUILD except brighter colour, but less than full range with set similar to META BUILD Junior. * Bore of push-on Sleeve (no bosses).
- M T A Many special parts for Locos, Carriages; some similar to TECHNOKID. Strips shown with square ends.
- M O R Most parts look like TRIX. Known from a Set A, * There may have been a Set B with other parts.
- M E T Parts are basically scaled down MÄRKLIN; models in manuals were initially as 1930s MÄRKLIN but changed later for at least the small sets.
- M E U Mostly standard parts or variants thereof. METEOR data quoted.

REF COMMENTS

- M K Standard METEOR parts plus special electrical parts that look similar, but not identical, to scaled down MÄRKLIN ELEX.
- MBD Frame parts push together & Panels slot in. ** 1" Loose Pulley push-fit on square section Axle.
- MEW Hand Press with different heads, and indexing device. * 28 Tool parts, 7 other parts eg Collar, Tyre, 11 types of raw material eg Plates & Strips.
- MEX1 Lid: boy w Tower Bridge. Made in Bavaria on #1 packet. Ni Str & Whl Disc w ¼" long slots to edge between h, & ½" lengthwise slot over some h. Disc pitch 9.5. Pts joined by N&B or engaging slots
- MEX2 Parts & models as BAUFIX & similar lid with Monoplane. * In '72 Pieces' set seen. * 10/11 in large/small Disc holes. * Mean; small Disc holes 2.4.
- MFC Combination of TRIX-type & MECCANO-type parts. Almost the same as M K A [1] & probably after it. * Bolts FF..
- MKY Basically repackaged LYNNCRAFT sets. * Copyright date 1947 on model sheet. * Mostly, but also 3/8", 3/4", & others
- MIM Known from a No.1 manual with a boy, girl & simple Loom on the cover. There were 5 sets with parts that look exactly like MECCANO, but original, though very simple, models.
See BRIAN BUILDER [1]
- MMG Name on Model Sheet; no name on only known lid (2 tots & Crane). May be called GUINA in MCS/NZ. Strips & Flgd Plates up to 5h long held by Rods with push-on plastic Washers.
- M M The unusual parts in a Helicopter in MCS are a Flgd Plate & a Flgd Sector Plate that both looks 7h long, & both with slotted holes in the flanges. Also DAS with slotted holes in the lugs.
- MIG Attractive, unusual parts, anodised, with Plates, Wheels, etc in bright colours. * Some early parts steel, nickel plated. * Mod .8.
- MGS Set made by Stokys for Migros store. Parts as STOKYS save rectangular section Strips, yellow Flexible Plate, red Pulleys. * Didn't last long.
- MIA Simple system with wooden Rods of about 10mm diameter push into metal U-Clamps. Orange box lid with a Bridge on it.
- MIK Ref: *Eisenzeit* p179. Earlier names (from 1916?): ROSETTA, PYTHAGORAS, both plus KONSTRUKTIONSSPIEL. No details, but parts may be wooden.
- MIL * MCS says, erroneously, 1907. Parts include Trunnions & Flanged Plate with 4 flanges. Also said to include 8h Wheel Disc & larger dia Disc with 10 holes.
- MIO Main parts are 5"11h Flanged Pl, Strips, DAS, & 2h Ø Pulley, all unpainted. Lid label either fawn w simple Bench & Trolley, or colour w boy & Crane. *But aluminium Axles. *+/- .1. *HC also poss.
- MMY *kasten. Set with sheet metal parts which, like stone bricks, sit alongside or on one top of one another to make models, often war-oriented. * from DRGM No. * + possibly part(s) to add a gun barrel
- MIN Essentially a scaled-down version of MERCATOR [1] with thin Strips & neat bosses. * 3.2 also rep'd. * Brass.* Steel N&B also listed.
- MUR 2 sets from Walther with limited range of smaller scale STABIL-like parts. * Spanner jaw width.
- MTC Blue Strips & A/Gs with 2 rows of staggered holes. Yellow 11h Narrow Strip, large Flat Trunnion, & 5x3,5,10h Flgd Plates. Large Pulley red plastic. * Also BB Nuts & long Bolts. * Some 5mm.
- MLL A small system known from Ebay photos of #1,2,3 box lids. Parts look more akin to MECCANO than CONSTRUCTION but include 7h Trunnions. Sets have a selection of Tools, 8 in the #3.
- MYA1 TRIX- & MECCANO-style Strips. cf M F C - N&B have same PNs. * 4.3 in 'TRIX' Strips. * Earlier brass 4.0 Ø. * Earlier C Bolt. * Earlier 6.0 A/F.
- MYA2 Also has name Der Kleine Praktikant on lid. Similar to MKA1 but no 'TRIX' parts, & poorer quality. * Almost certainly before MKA1. * In set seen. * Down to 4.3 in a few parts. * Nuts FF.
- MOA1 *Wrongly MOADOST in MCS. Parts for theme sets/models, first thought like MERKUR.. * A few M3 N&B. * Mod .8. * At least. * Some ≈4.8. * & 3.5, later? * 8mm Bolt: FW. M3: FN. ** M3: 5.0.
- MOA2 Diff looking set, parts to MOA1. Lid w multi-colour drawn models, Strips in Set bright, Plates blue. Man'l cover w blue/white Racer in orange circle. Set name on lid & cover may mean Do-It-Yourself
- MLD Parts look like MECCANO X, and many models as in MECCANO X Set 1 manual.
- MDY1 Man'l hides red-edged lid label of set seen, & has 5 or 6 models in yellow panel w white PL on RHS. Pts inc Str: 2-15h, 9h Curved, 9,20h A/Gs, 6x6,12h Flgd Pl, 'Thimble', lg Rd Whls, & sl Ig Disc.
- MDY2 Lid: boy w Tramcar, later cartoonish boy w model & girl w Spanner. 2 sm Ebay sets seen have MECCANO-like pts inc 5x11h Flgd Pl, 2-21h Str, DAS, Trun w side slots, white plas Bush, Ply Whls.
- MOB Rods held in slots in sides of U-Clamps by clamping set screw. * For clamping set screw in U-Clamp.
- MOO Some parts like VOGUE but different thread, also 5h wide Trunnions, Curved Strip, Perforated Flexible Plates. Manual in English & Dutch, except outer covers.
- MLB Parts like MECCANO but unneeded holes omitted. THE BRIDGE BUILDER was similar. Sets for other models probably include SAS; 3x8h Flgd Plate, & 3¼x3¼" Flgd Plate with only centre hole.
- M E Similar or identical to LEDOM. Couplings/Clamping Brackets join Rods. * In Set 00, Set 2 exists. * In Couplings. * In Brackets. * In Couplings.
- M-I 'THE MARVEL BUILDER FOR BOYS' on lid label+lg Crane+boy w sm models. Br Girders w vert+diag bracing, Super Rd Whls, & 5x11h F/Pl w edge & ctr line h, later fully perf & poss w & w/out ctr cut out.
- MDTa Lid label has boy with black bow tie looking at a Suspension Bridge. Numbered sets. Perf Plates & A/Gs instead of Flanged Plates. * 1916 has been suggested. * Some 4.1-4.2 in Plates & Strips.
- MDTb Lid label as above but model is Derrick Crane and sets are lettered instead of numbered. Alternate round and square holes. * 7/16" exactly. * 4.1 also rep'd.
- MDX Sets, most with ENTECH equivalents but different packaging. Parts probably from Aries. Also Robotic sets & parts. *Approx, plus Robotic parts, including Plates, Motors, Sensors, R/C, Microcontro
- MDO1 2 mfrs, 1st w JB circ logo on lid, 2nd an EP oval logo. Data fr Set 4. All basic 'early' pts + Connectors to allow Rods (all w thrd ends) in structures. *except Pinion. *Mod .8. *Poss others in Mech. Sets.
- MDO2 Almost an exact copy of 1950s MECCANO with a boy & 2 MECCANO manual models on lid. * In Set 0 but larger sets may exist, at least Set 1.
- MDK See ORSTA. Name used on lid, manual cover, etc after ORSTA.
- M-Ra Mfr: Skipper Toy Co. The lid is darkish & has 3 sm boys, a dog, & a model. Parts probably identical to MECCANO-MORECRAFT. *Key fixing for some parts. *Most, not all, 12.7x. *Also Snap Rivets
- M-Rb Mfr: Morecraft Corp. '46 lid blue w 3 boys & Bridge. Later red lids w name top left & 'MORECRAFT POWER Equipped' btm rt. *w hex Nut. & some sft. *Most 12.7x, also 1/3" & others. *4.3 in most other pts. *+Snap Rivets.
- M S Rolled Tubes push into Connectors. * Possibly for English markets. * In Plates. * In Connectors. * Of Tubes. * Bolts used to secure Sockets to Baseplate. .
- MOL Main parts stainless steel: 14 Strips 2-19h & 7x10h Flgd Plate. No Wheels. Label has 2 boys & a girl playing with skeletal Helicopter. * In Set A, the only set produced.
- MON MCS shows a Loco, & a Ship on the manual cover, & their parts look like STABIL. But some of the dimensions in the Set Contents don't quite agree with the corresponding STABIL ones.
- MOX1 MECCANO X sold under this name in certain markets.
- MOX2 Strips have raised edges. Also sold as 'R' (CONSTRUCCIONES METALICAS R). * Collar.
- MIX Made by Trix/France for Delespaul & given away against 'points'. Identical to TRIX but different colours.
- M V Parts with star-shaped holes held by T-Clips & spring wire Wedges, also Nuts on Threaded Rods (but smooth Axles also). * Centre of star.
- MOV Models for kids to ride on made with wooden parts held to steel spine by Rubber Rings in grooves around cylindrical Connectors. Also a few other models eg Crane.
- MOT Unusual parts: Gearbox Housing, Rubber Coupling; Motor with separate Mounting Pl & Reversing Switch. *Some sets all A. *Mod .5. ***Various inc Bolt 8 M-head; Nut FK 7.9; Bolt FD 7 R-head.
- MJY Unusual parts are 7h Trunnions, & fully perforated Flex (?) Plates: 3x11, 3x5, 5x5, 5x9h. Other parts include 7h A/G, Formed Slotted Strip, 1st M187 Road Wheel. * At least.
- MOW Made British Zone post WW2. Parts inc 2,3,5,7,8,11,12,19,20h Str, 5x11 or 12h Base Pl, flat Sector Pl. Others with STABIL look, inc Gears. *Mod.1.75. *+ a few changes to the parts. *4.2-4.4. * & 7.
- MRM 9h long MÄRKLIN Flgd Plate, unusual Trunnions with angled slots each side.
- M'K Toy-Kraft brand sets which came after ENTECH. * May be earlier, '05 on.
- M-C No other details.
- MUM Box lid shows realistic looking buildings but exactly how they are made is not clear.
- MMK 6mm wood rods push into aluminium Connectors, often joined by N&B. Also Curved Tubes, fabric Covers for frameworks, & various accessories including Wheels. *Needs confirming. *looks circul
- MUC Said to include Curved Rods & many parts with tapped holes.
- MMR Parts includes some mechanical but mainly electrical & for motors. * M2; 2.5; 3; 4.5 known. * Mod .75 (17 Gears without boss to be mounted on special Shafts. ** Several threads, heads, etc.
- MMO Italian version of MULTIMOTEUR made by G.E.M.M.A., but fewer sets, so perhaps fewer parts.
- MUS Parts similar to MERKUR [1] except 38 & 62mm Pulleys. But Ni, olive finish (A/G red-orange in one set). * Some 3.9-4.2. * Also 3.5.
- MWK Pts inc Perf Pl 3x7,11 & 7x11,25h; Trapezoidal Pl w 3,5,7h rows. Lid w Bridge across globe. *May be al or dark steel or mix. *2 coarse-tooth Gears. ***12.5, 4.3-4.8, 4.5 also rep'd. *?B Nuts & ?F.
- MYS1 Parts include STABIL-style Flanged Plates, Wheel Discs, Strips, Brackets, & a 3h long, 2h wide Curved Plate. All natural colour.
- MYS2 Only a man'l known. It has BAUVORLAGEN on cover with a logo: KÜHLE Spiele HALLE. A model page has 6 fairly simple models made of 3 Strips, 3 Discs, 2 Brackets, & a 5x10h Perf Pl. *At least.
- See HAMÉ.
- NAV No other details.
- NECa Lid label may have had Gantry Crane with jib pointing to the right, but needs confirming. Early phase with parts to PN 140 and * Mod.1 Gears. * or late 1940s. * or 4.0.
- NECb Lid label may have boy & H'head Crane (jib to left) but ? (as above). Later more parts & 38 DP Gears. Many pts MECCANO inspired but some similar MÄRKLIN & many specials. *Not made by '70.
- N-S Name stamped on unknown parts found in a FORGEACIER set, probably French because 'BREV. FR. & ET.' after name. The actual name may be NÉO-STRUCTOR.
- NSB *KASTEN. ?6 wood 4mm Rods push into ?4 Connectors. An Ebay set has 1 wood Whl but probably not original. * 1900ish suggested. * In known set.
- NEV 2 Ebay sets are in 2-layer wood boxes with 'Neva-Lehrgerät Nr.1. Mechanik der fester Körper' on lid. Pts inc Plys, Weights, Scale Pans, Hooks, long Strip, a sm Trolley, etc. Said to be for schools.

REF COMMENTS

- NGN 10mm Strip. Gears etc marked N-G-NEERO MADE IN ENGLAND. Tools, parts like FORGEACIER but M-like 3" Ply. * 4BA on some parts like M115. **** For M3 N&B. RH Bolts shown in manual.
- N B Called BOOMTOWN in MCS/FB, & elsewhere. Rods held in special Clamps. Perf Plates up to 8x18h. * Also in Collar, Clamps. ** Longer Bolts R 8.9.
- NME MECHANICAL. Set ME 1200, identical to PHILIPS ME 1200. No NORELCO equivalents of other PHILIPS sets are known. * Mod 1.67. * Bush. ** Also 2.0mm with 2.3mm Bush.
- NWD See BUILDER BOY.
- NSF N S F = Nederlandse Seintoestellen Fabriek (Dutch Signal Equipment Factory). Aluminium Flex Plates, Pulleys, & Wheels. May have existed in '30s.
- NSV No other details. Perhaps an error for N S F.
- OKH Made by Max Pistor, reference *Baukästen* p293.
- OLY Tiny nicked parts with aluminium Wheels. * Nuts aluminium.
- OMO Name only.
- ONA Early parts unpainted. Later parts, include 27-hole Strips & Plates including triangular, in blue/dull red or possibly green/red. ** Or 4BA in both. * R head also known, same Ø or 6.7. Name used for ELEKTROMECHANISKAIS KONSTRUKTORS in MCS.
- OPM Portuguese name. Coloured parts, possibly a mix of 2 & 3 holes wide. Sliding lid of No.3 wooden box has black Radial crane with crane in background and bird logo.
- O L Some parts like OPSET METALMEC, plus specials including 11x5h Flgd Plate with 15 additional 10mm Ø holes, 5 replacing holes & 10 in the middle of square groups of standard 4 holes.
- O M 4-spoke 3" Pulleys; 1" Pulleys have rubber inserts to hold them. * In Set 5 but manual shows a few other parts.
- OPT No other details.
- OGN Mostly MÄRKLIN-like parts including Trunnions, Curved Strip, 5x11h Flgd Plate. Odd bilingual label.
- ORS 2 Sets, Modelltechnik P01, P02, with pneumatic components & CONSTRUCTION [1] parts to mount them. * Possibly from '85 or before. * Plus M10 Rings.
- O B Most parts similar to ARWILL but also Fast Pulleys/Rubber Rings, etc.
- PDC Gears Accessory Set probably aimed at MECCANO users, but Spur Gears rep'd to run at .93" centres & not the 1" implied from the claimed pcd's..
- PAJa Lid not seen. Std parts inc MÄRKLIN-type 5x11h Flgd Pl, 21h A/G w all slotted holes, 7h Trunnion w side holes slotted. Dedicated parts inc Motor Armature, Coil, Lamp Holder, Reflector, U Magnet.
- PAJb Lid has a boy & girl playing with 3 models. Some parts in common with the Electrical Set. * but 12.8 in 5x11h Flgd Plate. *** Bolts C FF 6.2 also possible.
- PAL * Light red plastic pushfit Pulley, Semi-circular & 3x3h Triangular Plates. * Also square Nuts, same A/F. Early Strips said to have 45° corners (not seen), later rounded. cf VOGUE, PIONEER.
- PHL Known only from a model leaflet. Most parts look like STABIL except 10h long Flanged Plate with centre hole in flanges. * Could be East Germany.
- PIM The one illustration available shows a typical MECCANO model.
- P N See AÉRO TECHNIQUE MACREZ
- PER *Last possible date. *Circular parts have recess for driving dog. **26 STABIL-type Gears, 1.8 Mod. *Alternate holes 3.2 with side slots – parts joined by flat Key pushed through these slots & turned.
- PEU Sets for Car, 1.5m high Eiffel Tower, etc. All with special parts. * In 201 set; some parts riveted in the Tower. *** For 5/32W; HC 5.2 or HP 5.2 for 3mm.
- PEX See *Baukästen* p267 - steel 'Pins' used instead of Bolts (I think it says).
- PDA Parts in the Nr.0 set known including 2-11h Strips & 5x5, 11h Flgd Plates. The model leaflet's front has B&W drawings of 3 simple models. * About in Nr.0. * Leaflet shows RH Bolt in boss.
- PFS Parts include DAS, SAS, 5x11h Flgd Plate with 3x7h cutout, 3x7h Perf Plate, & small near triangular Windmill Sail. * 12.4 also rep'd.
- PHA Parts mostly Strips & DAS joined by a Clip held by a Wedge. * Nominal size of rolled, thin walled tubular Axle. Pulley is a push fit on it. ** Clip & Wedge fixing.
- PME Sets: ME 1200 Mechanical Engineer/Mechanik Experimente; ME 1201 w same (English) name; ME1250 Compact Mechanical Engineer. See also NORELCO. *Mod 1.67. *Bush. **Also 2.0mm w 2.3mm Bush.
- PVB *SYSTEM. Various elements eg Ball Race are clamped to a framework made from Rods, again clamped together.
- PLC A 'serious' optical system rather than a toy. * including 12 glass: lenses etc.
- PIC Name only.
- P E Described as looking like a 1970/80s version of ELEKTRO.
- P S Finnish name for MEHANO(TEHNIKA) Electrical set, q.v.
- PKO Same or sim to DKE & prob later. A few Strips, Brackets used w plastic Flgd Pl & electrical parts (some steel). Box has ELEKTROBAUKASTEN PIKO MECHANIK on it. *4.2 in 9h Strip. *Only in Pulley.
- PIN Wood Strips 5/32" square & larger with small holes through for steel Split Pins. * G&T ad for 'New Constructional Toy'; MCS is '13. * Inc 24 metal. * & ¼". * Split Pin, mean.
- P-I Followed PINIT with larger holes/Pins, & metal Strips, Discs. Wood Strips are ¼" sq with ½" pitch holes. * Called NEW PIN-IT in ads seen. ** For steel Strips. * Split Pin.
- PIO As VOGUE but fewer parts. Dimensions assumed as VOGUE.
- PNR Pale green & black parts. Unusual parts are Windmill Sail with alternate 1 & 2 crosswise slots at ¼" pitch; & a flat S Hook. * Approx DP of MÄRKLIN type Gear Rings. * 12.75 in parts seen.
- P R *Known fr man w PIONIER on C1 but PIONIERUL on C4. Cover has set, W'mill, boy making model. Main parts, Str & Flgd Pl. Few as MERKUR. Poss related to PIONIER CONSTRUCTOR [a] but fr diff firm, Bucuria-Copillor.
- P Ca Fr man w line drawing of Lorry on cover. JOC MECANO from same Metaloglobus firm, features same Lorry model, & also has multicolour pts, but its hole pitch is 12.5 against a rep'd 12.8 for this s
- P Cb Fr Tehnometalica firm w B'down Truck on lid & man. Hole pitch aside parts may be sim to P Ca but some differ inc 7h Sector Pl, & they are not multicoloured. cf JOC MECANO parts. *In Set 2. *Up to 4.5 in so
- PIR Yellow & red panels fit between black Strip, Angle framework. Beautiful coloured lid showing landscape with Railway Station & other Buildings.
- PIT Strips have alternate holes & slots. Same maker as DUX, & DUX on some Spanners, PITT on others. * 1965 also cited.. * 12.6 also known.
- PLA MECCANO look but different hole pitch & dia. Strip widths seen: 11.5, & 13.8mm! * Some down to 12.8. * 3.65-3.95. Also 4.2 in some 'better' parts. * Some 4.3. * 3.6 in another Set. * HC in manua
- PLT Other names said to be used for BURGSTÄDTER. Data from BURGSTÄDTER. * Mod 2.
- PSN Made by the same firm as BURGSTÄDTER & parts though smaller, have similar look. * Mod 1. * 4.1 in some sets. * Nuts also FD.
- PAM Cube-like blocks with holes, some tapped RH & LH thread, joined by Grub Screws. * Just Grub Screws.
- P B Parts with PLEASURE BEACH transfer on them belong to CONSTRUCTO [4] (CONSTRUCTO was a 'Pleasure Beach' production).
- PNC Standard parts & electrical components for 'Robots'. Mainly intended for schools.
- POL A set for schools to make simple models, with 12 'sets' in one box. The lid of the wooden box has a child's Scooter on the lid.
- PYN Set 1 seen is a Gear Set for schools with steel Rods, cast aluminium Bases, plastic Gears, * and 8.
- PLY1 Various Sets (see separate list) fr Polylong & other makers. Most parts as CNN1 but some others. *Mod.1 & finer for Motor/Gear Unit. *Sq holes in some RCEE sets, see TROa. *6.1 & 7.4 also rep'
- PLY2 Parts like PLY1 but scaled up to match 11mm hole pitch. These parts are known from some HAPPY PEOPLE & possibly JOE-MO sets.
- PTA Details relate to Nr.1 Brückenbaukasten, the only PONTA set known. Strips, U-Girders, both up to 9h long, & Flgd Plates, all blackened steel, to make Bridges. * R Bolts in manual.
- PFX Bridges & other models from shallow Channel Girders, Strips, Plates. Holes often in groups of 3. * Hex Nuts also rep'd. Some Bolts C. * Some may have brass finish.
- POP Set(s) produced by Merkur with probably (mostly?) standard parts. Maker's name, see KELMAR.
- PRM Many unusual Plates, eg 5 & 11h long Flgd Sector Plates; 3-11h long Single Flgd Plates, thick Flex Plates. ** SC BB 7.9 6.2 may also be found. Manual shows R & C head Bolts & small hex Nuts.
- P-F Some parts painted in more than one colour. Fastening is plastic plug into plastic washer. Wheels push-fit. * MCS has '50s-'57 but Patent. Application 1957. * 12.7 in Flgd Plate.
- PCN Tool, Strip, A/G, Lattice Girders, & wide range of Gears etc. PRESTACON on Tyres. * Road Wheel s/t. * Also square punch. * Hex Nuts also shown. ** 6.6 & 5.5 also possible.
- PMX Name only.
- PRI * Or 14e. * Most, or 5BA? Some smaller. Later 5/32W. * Including Big Wheel parts. * Typical but up to 4.3. * For Bolts with C look, but many others. Big Wheel N&B: 4x32 SM BB 6.4 7.6-7.9.
- PRL Parts, many dedicated, to make a Loco. Standard data assumed. * Probably smaller than 5/32 in bosses.
- PMC Mostly special parts. Manual shows bodies from standard & DIY parts. * Or 5BA?, though 7BA Set Screw shown. * Double Gear 4.9.
- P W Loco & various Railway Wagons with some common parts & same Axles/Wheels as one version of BILT-E-ZE (held by Split Pins). * Also square Nuts. * Nuts BB & ?N.
- PTO JUNEERO for German market. Instruction l'ft shows Tool w PRONTO transfer but an actual Tool on front page still has JUNEERO. *Baukästen* p296 says PRONTO intended for Modellbau-schulul
- PRO Basic structural parts are A/G with long slots in both flanges, & 4mm Rods. *Often at 120°. *Mod .7. ** & 4mm. *Much later FQ with P head, FK with c head. *5.4 later. *5.5 for Bolts longer than 6mm
- PRA Square Tubes, Strips, Plates, & probably mechanical parts.

REF COMMENTS

- PUK Comparing manuals PUCK looks the same as PITT, with alternate round & slotted holes..
- PCH The one set known is as AVIADYP in its middle period. Data taken from AVIADYP. * Some larger. * Not brass. ** Typical.
- PYF Bamboo Strips held in metal fittings with slide locking. * Patent date. Known in France 1920; introduced in UK in 1921. * 1925 suggested. * About half are metal.
- PYG Different lengths of Braced Girders joined with 3h long A/Gs. Also an octagonal Plate, Wheels, some spoked, & Gears. *28.5 along Br Girders. *3.3-3.5 in different & in the same parts. *Bolt steel.
- P K Ref: *Eisenzeit* p179. Other names MIKRONO & ROSETTA, both followed by KONSTRUKTIONSSPIEL. No details except parts may be wooden.
- QGP See GOOD PLAY.
- QCK Small set with Car on lid, 2 blokes by it & woman watching from a distance. Parts include 5x11h Perf Plate, Triangular Plate (Flat Trunnion) with 5/3/1h, 3h Ø Pulleys with fat Rubber Rings.
- R S ERECTOR & MEKSTRUCT sets with RADIO SHACK name on them as well. Are any sets special to R S?
- RPD Rods which push into Double Clips which could bolt together. Lid has boy with Fire Engine.
- RBO TRIX-like parts with sets like Units A & B. * Not Nut which is possibly cadmium.
- RCD Parts include Strips, Brackets, 9h Ø Circular Disc, & special parts for large Roundabout & Big Wheel. * 12.5 also rep'd. ** & larger hole in some parts for large Ø Axle.
- RBR From parts & Nr.1 manual seen on Ebay. Its logo has name & a deer. Parts: 5x5h Flgs Plate with long slot in flange; DAS, Strips, Wheel Disc, Rods, Spanner. * No indication of hole pitch.
- RKD Parts look like ZICK-ZACK [2], from same maker, but some differences & also include Gears. * Aluminium Gears. * Mod.1. * In largest known set. * Some up to 5mm.
- REX1 Prob produced w Märklin, based on MECCANO. Has Tower Bridge on box lid which looks like MECCANO. In '22 sets w MÄRKLIN like pts, called MÄRKLIN-REX, replaced REX. *needs verifying.
- REX2 Meccanico Italiano REX was named after the Italian liner on the lid. Red Flgd Plate but otherwise nickel parts included Road Wheel with tyre & one with formed flat tread. * Also 6.2.
- RHO Parts similar to MECCANO but fully perforated M188; 4h M24; 5h M126,a; etc. * In (only known) Set 101.
- RIG Many parts have 2 rows of staggered holes like ZICK-ZACK [1], but Plates have 2-row pattern along edges with 3-row along centre. Also 7h Ø Plate. * Could also be pre-WW2. * Mod.2.
- RTR1 Bridge frameworks made from overlapped Slotted Strips joined by N&B.
- RTR2 Metal pts for Bridges & roofs. '06: spec roof pts, most N&B eliminated, & lacquered replaced nickelled pts. In '10: changes to simplify Bridges & allow tiled roofs. *But no info after '14. *by '06, 100 in '10.
- RLX 2 sets for Morse Key, Bell, Lights, etc, etc. Metal parts but wooden Bases.
- RIV Red boxes w name on end of lid apron. Some parts similar to MINEX, some Whls Bakelite. The 2 manual models seen are identical to MINEX. No details of 30 of the parts including Gears & a Mot
- Name changed to CONSTRUCTIONS R.M.
- RBA Tubes joined by inserting rubber Strips into their ends. See FANTASIE 'R'.
- RDS See SPIROU.
- ROB J Clamps join Rods, wood Blocks. Also called BAUKERL ROBO. DEN LILLE KONSTRUKTÖREN for Sweden. Very like EL INGENIERO MECANICO. & see LIL'N-GINEER. *Clamp Screw. *In Blocks.
- RCO 6.4mm rolled Tubes held by eyed Connectors which push into the Tubes. * Only in a one part, * Tubes are used..
- ROD Originally listed as Russian. Design of parts is like German TRIX. ** R head 6.7 also found in set.
- R-B Tubes joined by inserting rubber Strips into their ends. See FANTASIE 'R'.
- R K Ref: *Eisenzeit* p179. Other names MIKRONO & PYTHAGORAS, both followed by KONSTRUKTIONSSPIEL. No details, but parts may be wooden.
- RUR Conventional parts but Flgd Plate brassed & some parts coppered. Lid has 'RUR' vertically, made from Strips, 2 boys with Railway Bridge with Signals, & Crane in background.
- R M *Name seen only on man! 'Russian Meccano N2' (Armoured Car under it). Pts look as KONSTRUKTOR VOENNAYA TEKHNIKA except Trun, & data assumed same. *Set seen unused but new? *4.8 in Bush Whl.
- SSM Nr.1 known, & Tractor set with mostly special parts. Parts seen in Nr.1 don't match those in manual (some unusual, some show few holes). Models said to suit steam or electrical power.
- SAG Name used in French markets for WISDOM. * Also 2.6mm for Wheels 015.
- SGT * Probably the maker's name. Ref: *Baukästen* p316.
- SKO Dull plated pts inc 39mm Disc w 'sq' pattern h. White lid w red name & 2 blue models: Big Whl & Crane, cf SAKOLO. *But clearance h right thru. Another set has dull black pts w *A Plys, & *3.8 Axles.
- SAK Lid design as SAKO but larger models, a Grabbing Crane & Lorry. Black parts like MÄRKLIN. Photo of an Accessory se has A/Gs, Tyres, & a bright 9(ish) hole Ø Annulus with rings of 6 & 12 holes..
- SAT An Ebay No.2 box has lid with name made of Strips, & open Lorry. Parts include some bright Strips but darker smaller parts, & bright (alloy?) Pulleys with Rubber Rings. * *Baukästen* has c.1946-48
- SAX Set or sets w spec pts fr VEB Landmaschinenbau Bernburg to make agri. machines by adding each to UNSERE TAKTSTRASSE model. Comparable set from VEB Landmaschinenbau Torgau known.
- SCH Called METALL-BAUKASTEN in 70s, & BURGSTÄDTER later. Pts identical & PNs/sets same. *but all dates need confirming. *Mod 2, also for gear-like Sprocket. *MCS 12.87. *HR also rep'd. * Nut FK.
- S&C Maker, in Berlin, from *Baukästen*, p304.
- SNL Fr a Schnopel II Elektro-Baukasten set. 'Elektro' fr set's Transfo/Motor Unit. Pts inc Str & A/G w only end h, Ply Blocks, Grab Bucket. Lid has Crane & 2 Aerial Conveyors, simple models but inc Unit..
- SHO 10 Junior Technic sets which appear to be repackaged MERKUR. MERKUR data quoted.
- SUN Name only.
- SKA Data from a #1 set. Parts include Windmill Sail with 2x6 large holes. * Needs confirming. * Some steel parts in another #1 set, possibly by a different maker. * In #1 set. * Bolt FF.
- S D Most parts like MÄRKLIN but Windmill Sail with 2x6 large round holes. * May be prewar, even 1920s. * + up to 7 if Set 4 exists. * Nut FF. **** Also SR FN 8.5 8.0 but Nutt FB.
- SER Structures from 30 lengths of Rod, plus others bent at various angles, which are clamped together by N&B through pairs of Plates or Brackets. * Most common but also others.
- SEL Parts include range of unusual size Flanged Plates, large & small Tractor Tyres & Hubs, C/W Motor.
- S K Name only.
- SAF Photo shows METALCRAFT 810 models, & instructions for same, headed Seymour Airplane Factory. Also a promo set for Voigt with 900 series parts.
- SCO Coloured wooden Blocks held in metal Frames. Same maker as KEIM.
- SMN Electrical parts to make Bell, Motor, etc, mounted on wooden Base Board. * Not sure what part(s) this applies to.
- SPX1 A cheap set made by same firm as BAUFIX and possibly similar.
- SPX2 Wooden parts with crenellated edges assembled with metal fittings & N&B. The only set known is a No.1: its lid has just the name, BAUKASTEN Nr.1, & a logo (3 arms in a triangle).
- SPX3 Data fr a sml Ebay set. It has tubular Rods which push into & through Hubs w 1, 2, 3, & 4-hole arms. Looks somewhat like SIMPLICIO but different Hubs. Lid has a 2-Wheel Cart & a short Line Sha
- SIM Dec 1913 patent has split Rods pushing onto Pins screwed into Hubs (or into hollow Pins). Probably earlier version of TECHNICO. Ad in G&T 10/14 but not thereafter. See also TECHNIKUS [1].
- S M MME under another name, so Strips have square ends & turned over edges, and Wheels held with special Clips.
- SKP Parts probably as MODERN-MORECRAFT [b] despite date, but clarification needed. * 12.7x, also 1/3" & others.
- S-S 3/8" wide Strips, rubber Wheels, & 5 Plates including 2 flanged & 2 with 2h deep flanges. * Also hex, same A/F.
- S N WALTHER'S INGEMIEUR, known from a No.8 set.
- SNP A small set was advertised, probably with KLIPTIKO parts. Relevant data from KLIPTIKO.
- SLD Blackened parts with 10mm wide Strips. Details from smallest (Knirps) set - 3x5h Flgd Plate, Strips, Brackets, Wheel Disc, Pulley Disc. 2 larger sets, Kadett & Primus, but no details.
- SDO1 Lid label shows boy with various small Car & Military Vehicles. Parts, which may not be original, are dull grey Strips with rectangular slotted holes (except round at ends) & wire 'Ladders'.
- SDO2 Lid seen has label with name in same form as SDO1. Parts to make various (probably smallish) Aircraft models. SOLIDO produced other series of sets including Cars, Military during 1932-58..
- SON Also in MCS as VEB INJECTA, the maker fr '56. Parts inc 18h Str, Double Str, A/G. *Mod 1.5. *inc 15 in Gears set. * & 5.4. *Nut FJ. Later Pionier sets with coloured anodised parts & ***FN 6.9 6.9.
- SPD Plates bolt to tapped Cubes, & 1/4" Ø Rods, with tapped ends & cross-taps, as extra members & axles. * Patent application/acceptance dates. ** Multi-tapped from Pulley vee. * Both serrated.
- SPI *Also ROBBEDOES AAN DE BOUW, bilingual names. Illustrated parts are as TEMSI & BOITES DE CONSTRUCTION METALLIQUE/METALEN CONSTRUCTIE. *May be 12.73 in 25h Str & other pts.
- SPL Simple system; main parts are square-ended Strips, Wheel Disc, lozenge-shaped Plate, & Corner Bracket held by a Wedge thru flat Clip. * PR. * Probably not M3.5. * 3.5 in other parts.
- SGR Wood & nickel or tin plated metal parts. The wooden Pulleys have brass plated steel bosses. **Said to poss be for the maker, not the system, but patent & manual copyright 1929. * Inc 16 wooden.
- SSS * S S S stands for Sterk, Stabiel, Solide. Some TRIX-like parts but original A/G with 1 row of holes in each flange, Flgd Plate, Bonnet, Axle, Crank Handle, Pulley, double-sided Hook. * Nut is BB.
- S-W Data from web photos of one small set with no indication of others. Lid mainly black with slogan & boy making Bridge. * Presumably but the parts look aluminium. * Less than 12.7mm.
- SBA1 3-20h Str, often used curved; Gears w & without boss, & Worm (wire in manual but solid in late sets). Maker: Ehrlich; Horseljau; Teuteberg. *Mod.75. *approx, +20 for Telefon sets. *Late may be F

REF COMMENTS

- SBA2 Str are outline of wire, so slotted full length, & lids have one with STABA superimposed on it. *Bevel only. *Prob 15mm in Flgd Plate. *Typical, up to 4.3. *M4 threaded ends. **Also Bolts D, 8.1; C, 7
- CAB Wooden Rods push into brass Connectors. * Sold in France as CONSTRUCTION AUX BATONNETS. * 1867-1905: c.1900 from box lid appearance. * Rod.
 STA A few wooden parts. * Or possibly 1910. * Mod 1.8. Also normal gears, DP 42 (Mod .6). Early on the large teeth 'outline', later Bakelite. * Including 50 special parts. * Many 3.95-4.00.
 SLA Metal frameworks, including STABIL & some special parts, woven with wool. * And Wool. * Plus some small holes.
 STL 2 sets advertised in 1933 but probably never on sale. If they were, probably as ELECTRIC sets 1 & 2.
 SBO Name only.
 SUS 10 small sets to make simplicity models including a Xmas Tree (cf BRAL model) from Eitech looking (but not compatible) parts.
 STB 5mm Tubes push into plastic Connectors, some with flexible necked sockets to allow Tubes to be angled..2 plastic Pulleys, with rubber Tyre for one..
 SFA May have preceded STABA [2], see *Baukästen* p264.
 SBK From Ebay. Lid has Bridge with 2 arches supporting cross-braced box girder. Black Strips, Brackets, probably for Bridge on lid. But also red Wheels in the box.
 S-N1 Set made by a Crane company. Lid not seen; manual cover has 2 boys building a Gantry Crane with conventional parts, & man at drawing board in background.
 S-N2 Simple system with Crane, Pylon & Tower on blue lid. Main parts are Strips, a 10h A/G, & a 6x10h Flgd Plate.
 S-N3 The 3 sets seen have a green, blue, or yellow box, all w plain label w just name on it. Pts look like MÄRKLIN with lg Whls black, but sm bright. Pts inc Strips, A/G, 2 F/Pl, Flgd Disc Ply, 2 Gear Rings.
- S T See THALE STAHLBAU TECHNIK
 S-K 8mm Rods & flat Strips joined with Clamps. * STAHL-KLEMM after 1968. * Said to be 1960s to early 1970s.
 S-R Probably only one set. Greyish treated parts: Strips, Brackets, Pulley Disc. * Elongated holes 3.1x7.3mm.
 SLR Parts engage together by small pushed-through indentations/pips & are held by Clips or N&B. Tyres, Spanners, Gears have name on them * 1931 known; French patent '33.
 SLO Much more elaborate than DINKY BUILDER with larger parts. * Only in centre of 'braced' Plates.
 SAR Parts generally look like MECCANO/BRAL but 6 point decorative star holes replace outer vee cutouts in BRAL-style Braced Girder.
 STI Made by ALKO GmbH, see *Baukästen* p229. * Firm bought out.
 S-B Lid & man'l cover have METALLBAUKASTEN in lg & STATO-BAU in v sm letters. Slots+holes in parts. 1 shallow, unperf flange on v lg Curved, & A/Gs; 2 on U-Girders. *Mod.1.2, needs confirming.
 S B1 * Sometimes STEELBUILDER. Lid label has boy wih House & Big Wheel. Parts bolt together or held by Slide Fasteners. Patent & manual copyright, 1934. * Plus multiples & others.
 S B2 Lid w Lorry & 2 sm mods. Sim WIS/MNX3 but grey Str, silver Pl, purple-blue plas Flex Pl, red Trun/Whl. sm C/W Mot. Man poss MECHANIC? *12.2-12.3. NB Pitch, but pts same o/a size. * & pushfit pl Whl. * & 2.6.
 SCK 7 Kits known. Sold in Canada for 1 year. Most parts very like DELTAX & PNs the same. * At least. * A few 4.7 for hexagonal section Axles. * A/F.
 SCT Maker: Klax Co., may have been owned by Gilbert. Said to have produced 5 sets.
 S F No. 1 set seen has swordsman on lid & green parts inc 24h Strip & A/G, 3x8h Plate. Missing: Axles, N&B. * Judging from width of Spanner jaws. * Crank Handle.
 S E1 LH side of lid has boy & Big Whl. Inc some parts used in 1924 ERECTOR. Str have alt holes & 1/2" long slots. *4.3 in Flgd Pl, Curved Strips, & other parts - maybe all under paint, but 4.1 also poss.
 S E2 Name said to have been used by unknown US store for DUPLEX STANDARD CONSTRUCTION TOY, q.v. for probable details. * Not necessarily for all this period.
- S C Most metal parts as MECCANO, or variations, & stamped REMCO or STEEL TEC. * Many plastic, some metal, & special parts in some sets. * In the 6 sets in '92, many more later.
 S-T Name used by Montgomery Ward for DUPLEX STANDARD CONSTRUCTION TOY, q.v. for details. * Not necessarily for all this period.
 STS Many special plastic parts. * Square thread. * Plastic, some with plastic sleeves on 3mm steel. * Square recess.
 SLK Sets with some parts like STEEL TEC but many specials, usually plastic, for Bikes & Cars. * In SUV set.
 S W Large Trusses & Channel Girders for structures. * Multiples of exactly 3/8".
 STE Finish is Antique Copper (black with copper bands 1" apart) or nickel plated. cf AMB, STRUCTO.
 SHL Blue, orange, white, nickel parts, many sim to WISDOM etc, some identical. But diff pitch, though parts same size o/a. cf STEEL BUILDER [2]. * & 2.6 for push-on Rd Whls. * r head for lg Bolts.
 STO Pulleys anodised in colour. Strips with raised edges. Most parts stamped STOKYS. ** Changed to M4 in 1988. * 280 in 1989. * ?K 1988 on. * M4 also 6mm.
 SCY Printed aluminium panels bolted to frameworks of standard parts. * Including 7 standard parts.
 SRS Small set seen on Ebay has green 5h Strips & possibly some dark red parts. Also a 9x5h Flgd Plate.
 SCN Pts up to 13h; 5h Ø Disc w 6, 12h rings of holes w ridge between. Some pts rather like STRUC. **Early 47; late 48, but prob later. *Or M3 in some sets. *Nuts FD. [M3: HT, Nut BB 6.2, Bolt FN 5.5.]
- STC Fair range of normal parts plus Half Pulleys, Braced Girders with large centre holes, & large cast alloy gears, marked STRUC. * 1946 possible. * Mod 2. ** Also Bolts FF, 5.7m.
 A-S Parts probably as AUTO-CYCLE but fewer. Some different models. * CR + AS.
 STR Also called BING'S CONSTRUCTOR. Rods held in Unions by Wedge Sleeves. * Could be '32 but possibly by Carl Riel from '25. UK ads till '24. * & wood Base Boards. * Only to attach model to Base.
 SRO Badly made, badly designed parts with few holes. * Most pairs of holes, otherwise variable.
 STX Manual cover shows slightly unusual looking MECCANO-style parts, inc 5x6h Plate, 5x6h Flgd Plate, 5h long Sector Plate, Bevel, & Sprocket.
 STU Pulleys & Gears are cast. Shafts have small groove along them. * 1913 & 1914 also mentioned. * Some 4.4. MCS has 4.2. * A few up to 4.15.
 SAB Kits for 1 vehicle each with some parts common. Data for #8. * From 12/17 Structo ad. Also sold about then under a different name. * But '27 ad in G&T. * In Steering Arms. * In #12. ** Often.
 SMD Unusual design of Windmill Sail, & Braced Girder (but also M-like versions). * 6-32 in Worm & Contrates. * Up to 12.87 found in STRUCTOMODE type 'semi-circle' Braced Girder.
 SOS Similar to TRIANGLE, by same maker. Frame sides from Flanged Triangular Frames bolted together, spaced across by narrow Plates. * Also 3.2 for Axles.
 STK 3/8" wide Strips w alt holes & long slots. *But Screwed Rods .12"x40. *Not seen. *Basic hole pitch 5/8" exactly; 25/16" in Slotted Strips. *Mean for Wheels without boss. * Hex Nuts earlier. * Also ?
 S L Electrical parts plus Strips, Discs, Flgd Plate. Electro-mechanical models including Crane with electromagnet.
 S Y A shrink-wrapped set containing a small selection of nickelled BUZ parts, sold only through chain stores. BUZ data used. Also a larger boxed set with mainly coloured parts inc a 5x11h Flanged Pl.
 SUP Previously included in MCS under DAN DARE. Models of jet powered vehicles, mainly then current aircraft. * Also 1 1/4", 2" & others. * Generally, some up to 4.6mm.
 SVI Name only.
- TAK There may be 2 systems/versions of this name. No other details.
 TIH Name only.
 TAN Sets for schools in plastic cases, 2 known. Large nickelled parts with plastic Pulleys etc. * Single- & double-tapped.
 T-S 1/8" Rods connected to spigotted cast Joints by tubular Sleeves. In G&T but was it ever sold? * Might be in possible Wheel boss. * Assumed.
 TCC1 CONSTRUCTION [1] parts in 4 Sets packed for Bart Smit store. Lids show a model from the set.
 TCC2 MERKUR parts in sets packed for Bart Smit store. Lids show a model from the set
 TBK The System comprised a number of packs each w a range of particular parts for small model Bicycles (Whls abt 1" dia), eg Forks, Whls, Tyres, etc, etc. So numerous packs needed to make a mod
- TMR Shallow Channels instead of strips, A/Gs, Brkts. *A few al, wood Spool, plas Whls. *Channels, 4.5 in Brkts. *M19, no Axles. *Some Bolts X-head, countersunk. *Bolt FN. * & 9mm. * & FD 6.3 known.
 TNA No other details.
 TNC Steel parts nickel plated, but wooden Wheels.
 MLA Ebay photos of No.4, a small set but with Motor & Controller, 6h dia Pulley. Plastic Hook like MECHANIX & Trunnions like MR MECHANIC. * Approx in Set 4.
 T K UK name for a German Kosmos set. Mainly special parts for science experiments.
 T R Set A seen; 'B' only in ad. 1/4" Rods with threaded ends joined by Couplings. Large Bases. * Sample Wheel goes over thread but not smooth part of Rod. * Also acorn Nuts? ** 7/16" nominal.
 T/T Pat by Adolf Huck. Names for UK/German markets? A lid has name pasted over TECHNIKUS, & boy+girl w sm models inc 6-bladed Turbine. Pts prob improved SIMPLICIO. *Only in Pl. *Set Screw.
 THC Entry based on one Junior set seen on Australian Ebay. 6 small models on lid & manual cover. Black Wheels but otherwise bright parts including 5x10h Flgd Plate, 4x5h Flex Plate.
- TNK1 Sm set, lid has 4 models in orange centre, 3 wheeled & a Big Whl, w TECHNIK 5 times in border. Said to have nickelled, brassed, red, silver (or al?) pts. Lid in EZ Pl.60, & BK p218. *BK: um 47-49
 TNK2 Only an Ebay set known, with parts from more than one system in it. The lid is is German & English but the main name is TECHNIK, with a flywheel & governor alongside it. * Possibly.
 TNK3 Blue lid w red name over Bridge w Gantry Cr, Train, Lorry in foreground. By same maker as TNK2 & pts prob sim. 2 sets. Set 1 main pts: Str to 11h, 5x5h Flgd Pl, Whl Disc, smaller Disc. *In Set 1.
 TKM *Der Junge Wagenbauer/The Young Carriage-BUILDER. D'l's from Ebay set. Main pts (Flgd Pl, Pl) form box w label on Flgd Pl 'lid'. Simple models with 'U' Girder towing arm, Disc Whls. ** By scaling
 TKS1 A lid has a boy & girl with some small models including a 6-bladed Wind Turbine. Probably similar to SIMPLICIO. May be the same but for German market.

REF COMMENTS

- TKS2 Blue lid label has boy with Crane in yellow panel. Parts look very like STABIL but red/green with blue Brackets. Manual cover has (in B&W) 2 boys working on Crane & Telfer Railway.
- TKS3 Thought to be German original of TECHNICAL KID.
- TNO1 Name only. Could this be TEKNO [3], with a different rendering of the original Hebrew name?
- TNO2 Most sets seen have a simple Mobile Crane on lid, but a 'Senior' set has small photos of 6 models. Probably repackaged Chinese MECHANIC OR MECHANIX, sold in Germany by Remus.
- TNO3 Lid of set seen is white w Mobile Cr. Parts like TRIX but r/g & no alt centre line holes in lg Str; 54mm Ply Disc; black formed Rd Whl. ***Bright Bolts but also black F-head Bolts, 5.4 Ø; Nuts var finis
- TFX 3 makers including Kosmos. * Various lengths of Rod up to c.30cm joined by interlocking Connectors (M212a type). * In Baseboard. * 3.5 also rep'd but unlikely.
- TKD1 Lid label has red Railcar, the featured model, & some parts specifically for it. Strips have square ends. Edges of Plates slightly crenelated & fit together.
- TKD2 Mentioned in *Bauklötze Staunen*, p111.
- TEC Parts with long slots, most stamped TECNIC. * Some 2nd bores untapped. * Mod 1+finer, possibly 38. * Gears & some bosses, 4.2. * 4.0 also rep'd. * & hex Nuts, as square ones. * Nuts also ZZ.
- TCA MÄRKLIN copy, more or less, except Hook like M57c. * 14t Universal Gear.
- TNV Parts probably the same as Phase 1 AVIADYP but may have preceded it.
- TCO Black parts, some Strips/AGs have long slots. * Needs confirming. 2.35x.53 also rep'd, 6BA? * Needs confirming. * & multiples, but with exceptions. * Special larger holes for Axles.
- TKT As MECANIKIT. Parts inc red Strips, 11h Flgd Sector Pl, 5h Trunnion. TECNIT cast into alloy Pulley. Parts w either rd or sq corners. *Some aluminium parts also exist. *Or Sq Nuts, same A/F.
- TCN No other details.
- T O * Written as one word inside manual. Red & green parts like MECCANO except 7h Trunnions & 5⁷h Flgd Plate. parts include Flex Plates & a few gears. * From PR. * Probably a few more.
- TMO No.1 set in wooden box seen on Ebay with (now) no label. Rods joined by cast Clamps, each a pair with Bolt through one into tapped hole in the other. A few Pulleys, one with Tyre.
- TCR No other details. TECHNOR is a French system with plastic parts.
- TEO Most parts look like STABIL but some fairly minor variations. Lid label & manual cover are fawn with boy & 3 models – Excavator; Hammerhead Crane; & Loco with Wagons.
- TGB Said to be 5 sets, similar to ERECTOR.
- TEK1 Lid not seen but manual has boy's face on cover. Probably identical to TEKNO [1]. Some unusual parts similar to ABRA. * If true it continued after TEKNO [1].
- TEK2 Various lid labels. Parts include Single Flanged Plates, DAS with centre boss, Gears including Curved Rack. ** Longer Bolts RH 7.1 Ø. N&B data need checking.
- TKO Details from incomplete No.1 snip, probably as 1962 MECCANO No.1. * Needed for the MECCANO models on the lid. * Shallow head.
- TKN1 Many sets & lid labels. Probably identical to TEKNIK [1]. Also a TEKNO-ELECTRO like TRIX. * As prewar TRIX. * 36-38; Mod ≈.7. Also gears with TRIX teeth. * Nuts BB.
- TKN2 Several lid labels. Many parts MECCANO-like. Unusual parts inc Eccentric Whl, 96mm Ø Ply, 32x15cm Perf Pl &, added to the PL, a 60mm plas Whl. *rep'd, '64 for sure. *A at one point postwar.
- TKN3 Lid labels have name in Hebrew & boy w 3-engine Plane. Pts generally like VASEK (many MÄRKLIN-style) but significant diffs. *Inc many lengths of Fibre Pl, but long lengths in sets to cut up. * & 6.7.
- TST TRIX-like parts, painted dark red/green. Bright yellow lids with boy & models. * Danish in MCS.
- TEM cf SPIROU.. * May be 1946. ** Current, earlier fewer parts and Nut was 7.8mm A/F. * 12.73 in many parts.
- TIO Aero set probably similar to BUILD-A-PLANE with twisted rubber drive. * There was also a set to build 30 models.
- TES M-like parts except 27,13h Strips, 9x5 Flgd & 3x9 Perf Pl, Truns w some slotted h, M19b with no slotted h, 3,4h lg slotted Cranks. Sq corners except Str, etc. **4.3, 4.0 also rep'd. *M head for lg Bol
- VEX Kits+pts, mainly structural, gears, whls, R/C, for Robots. Max & Prime series w some diff but compatible pts. *Lg range. * & multiples. *Max: +Hb; Prime set has WC (thumbscrew) & pl reusable Riv
- TEX Mentioned as TEXAS metal construction set in MACON leaflet.
- TMB Educational set for schools. Only the manual (11 cards inside a folder) has been seen, & also has METALLBAUTECHNIK on it. Parts include 5x11h Flgd Plate not in TSK below. * Print Ref: P 321/70.
- TSK Some hole patterns not as MCS. Sometimes 5.7mm holes instead of slots. *Mod 1.25. *inc 10 in Geometrie set. *Early: 12.7. *Early: 4.1. *MCS: R Bolts. * & FK Nuts. Early Bolt/Nut: F FF 7.8/H AA 7
- TBB See MODEL BRIDGE.
- T C Mainly Strips (5-15h), Flgd Plates up to 24x6h, & some special parts eg fairground parts. A few parts are marked URBANA MFG. CO. URBANA. OHIO. U.S.A. *7/16". * A few up to 4.4.
- T E Strips with raised edges; special pressed parts. * 8-32 N&B also possible. * 12.63-12.73. Also Strips with centre hole about 17.6mm from adjacent holes. * 4.7-5.3. **** For 8-32: SM FN 9.7 8.3.
- T W * Maker's name. Ref: *Baukästen* p316.
- TLE UK name for MEHANO(TEHNIKA) Electrical set, q.v.
- TSE WALTHER'S INGENIEUR under this name. * In Set 8.
- T-B Pts anodised, look as MÄRKLIN: green Str, A/Gs; red F/P, yellowish FI Disc Ply, deep blue Brkts. Wood box, lid w 'Der Erfolgversprechende 1+2 Ti-Ba Metallbaukasten für Groß u. Klein' on it. **Irregular.
- TBI A small No.1 set on Ebay has many parts that look like MERKUR [1], apart from their colours. Yellow lid & manual cover with stylised red/blue boy & models.
- TIG Ref: name only in MCS.
- TIM Set to make full-size Scooter & other models fr (est) 20cm Whls & 19mm Tubes. *M8 for threaded ends of Axles. *Also 8mm. *1) Special conical shape. 2) M8 Nut is hexagonal. *Also 14 for 8mm I
- TIN Selection of BILT-E-Z parts made with new tooling.
- TITa Most sets have parts with dull grey metallic look but late on parts were painted. * In Set 1, perhaps more in Set 2. * 5.5 fpr 10mm long.
- TITb New thread etc & new parts inc Gears. All parts painted. Parts inc 77,118mm Ø Flgd Pl; Spkts; Pl w top/bottom red/blue. *BK: c.70. *Mod.75; & 24 DP, Mod 1.05, to mate with Spkts. *Black parts 3
- T B Name used for early small ERECTOR sets. Later sets called ERECTOR TOY BUILDER.
- T F 5 small single-model sets from company with rocking horse logo. Many parts like TECNICA & MR MECHANIC.
- TMU See KONSTRUKTOR UNIVERSAL'NYI.
- T P Main parts are brass plated and include: '5h' Strip with 3 holes & 2 large diamonds, 3x9h Perf Plate, 23mm Ø Disc. Boy, girl & large skeletal House on lid.
- TOY1 Special small set fr makers of TOY TOWN [2]. *On box; model sheet has TOYTOWN. Its sm box has boy on it w set as his body. Parts include 3x5h Flat Brkt, 1x1h Angle Brkt, & sm Disc. *3/8".
- TOY2 'Engineering Sets' known. Lid has boy, boy-sized Bench, Lathe, Drill Stand. Usual small range of M-like parts (+15h Strip), but others on man'l cover inc 3" Ply. TOY TOWN [1 has entirely diff parts
- T M Wood Strips & Plates with steel fittings. Data from Set 1. * Inc 15 metal.
- TRI Frame sides from Flanged Triangular Frames bolted together, spaced across by narrow Plates. Similar to STRUCT-O-SET. * Copyright date. * Also 3.2 for Axles. * Square Nuts in Model Leaflet.
- TET Name only.
- T-R The only structural parts are RH & LH Flanged Triangles, 2¹/₂x3³/₄". Known from 1921 ads. May have been short lived. * 1¹/₄". * In the Flanged Triangles.
- TRX1a No parts seen.
- TRX1b * Up to 7.84 found. *** Also HT 6.1 6.0.
- TRX1c New parts include 2 Circular Strips, Universal, Tyres, electrical items. Parts now painted. * 21 electrical parts included.
- TRX1d Additional plastic parts, mostly Gears & Pulleys. Circular Strip dropped in 1977. * some parts s/t. * For old gears (new are Mod 1.5). * In BZP parts but a few 3.7; 3.5 in painted Flgd Plate.
- TRX2a ** or similar, not all UK N&B fit Continental ones. * Some s/t. * Shortest seen 7.75.
- TRX2b * A/Gs (nearly?) always aluminium. Flanged Plate usually; other parts occasionally. Parts painted from 1960.
- TRX3 Data from early postwar Sets 1,1a. Parts nickel from '50; painted from c.'59 & stamped ECF at some stage. * Production restart c.'47. German imports post '68. * Up to 7.85. * May be FF. FB later.
- TRX4 Units A-G, etc. Some parts nickelled & may have been made in US; others probably imported.
- TRX5 Set said to be from early 1950s has red/blue/green parts. Nickel parts seen in a similar set. * 1932 or 1933 possible but not certain.
- TROa RCCE brand with Profi & Junior series sets for specific realistic looking models using 'Polylong' type parts. Some with R/C. * In typical Tractor set; R/C sets fewer; also larger outfits. * Square.
- TROb Mini series sets with mix of TRIX-style & normal Strips for 1/32-scale models. * for typical set. * square.
- TROc Micro series sets for 1/64-scale models. * for typical IR set, more in non-IR.
- TROd 3 repackaged Gakken Metal Dino sets for Dinosaur-type models. * In one set.
- TRU Name used by Sears Roebuck for DUPLEX STANDARD CONSTRUCTION TOY, q.v. for details. * Not necessarily for all this period.
- T T Realistic models with many (most?) dedicated parts.

REF COMMENTS

- TUB 5.5mm Tubes joined w fold over Clips, Flex Plates, wood Pulleys held on Tubes by cone Clips. Coloured parts rep'd but prob not likely. Sold in UK '34-5. * Patent date. * In Flex Plates, no Strips.
- TPC 7mm Tubes connected by Clamps, with Plates bolted on. * 1930s from *Eisenzeit*. * FN for Bolts.
- TBS System with Tubes of 5/4.2, 4/3, 2.8/1.8mm Ø, & Fittings to connect them. * 26mm in a Link. * In a Loose Pulley. * a Tube.
- TUP Special parts to make human & animal figures. Ball joints clamped in 'Strips' by small N&B give movement. * 22 metal, 8 plastic.
- TUA Little information but appears to be identical to TUPO but may have some variants of TUPO parts. Or was it a smaller TUPO set, or an add-on set for TUPO?
- UBD Special parts for range of vehicles, powered by Geared C/W Unit, & other models. * 3/32W on back axle & other threads may be used. * All special parts. * Multiples of 1/2", & other pitches.
- UBI Data fr a #650 set w wood Base, steel Buckets, 1" pitch steel pts, & 1/2" pitch al SKY-SCRAPER-like pts. * Lg Bolts 5-40. * Sets only Road Whl. * 'S-S' pts 12.7. * Only Cr Handle in Set. * Lg Bolts RH
- UFA Most parts like TRIX but some differ in size & design. A/G is Strip with bend along centre holes. Nice Chair-O-Planes on lid & manual cover.
- ULX Similar to BAUFIX but holes larger & hole spacing in Discs is 13mm (*but ≈11mm in early 30mm Ø version). Also wider range of parts. * Some 4.1. * Later FP.
- ULT Springs (short lengths of spring curtain wire) push into Connectors, with Plates clipping over the Springs.
- UMK Models on box lid as CONSTRUCTO [2], and parts very similar or identical. * Company into liquidation. * In 11h Strip, 4.0 in many other parts. * Bolt FB.
- UCS Made by Otto Schlenker; *Baukästen*, p304 mentions cheap flexible Strips.
- UNI *45-55 in MCS. * Deduced fr illustrations of circ parts & their stated diameters though many parts look MÄRKLIN-like (but circ parts & Gears with larger teeth differ). Many models like MÄRKLIN.
- UNT Galvanised Channels & Brackets for Furniture etc, no Wheels. * From catalogue with set. * 1 1/16". * 9/32". ** Special 'sprung' rectangular Nut with grooves to lock into Channel lips.
- UVL Prob same maker as LE PETIT ARTISAN DE LA MÉCANIQUE. *Wood Whl. Most pts either steel or zinc. *May be a few more. *but 12.0 in Pl. *Rect slots in Str, Brkt & Pl 4-4¼*7-7½mm. Other h vary.
- U T Theme set to make 2 Tractors, with special parts. More models could be made by adding SAXONIA sets. * 1959 & 1961 rep'd. * Inc 12 & 15mm. * Also 3.5mm.
- USN Name & dates only.
- VSK Many MÄRKLIN type parts; + many Strip/Flat Brkts; & in fibre: Triang Pl; Perf Pl 2,3,5h by up to 25h long, & 7x12h; 14h Windmill Sail. * Mainly F or A parts in sets. * MÄRKLIN type Gear Rings. The MCS entry under this name is for the SONNEBERGER system - VEB Injecta is the manufacturer.
- VEN Later called AUTOMATION. Parts only, no sets. Wheels etc probably push fit on Axles. Parts must be cut to length. * Including 4 long plastic Plates & Strips.
- V F 'Classical' simple Aero set with corrugated parts. * 12.5—13 likely.
- VSR Ebay picture shows bright Strips, orange 9x5h Flgd Plate, & Tyred Pulleys (yellow & red). Lid & manual cover have VERSOR across top left corner, & KONSTRUKTOR in larger letters.
- VEX Kits & parts for Robots, mainly structural parts, gears, wheels, sensors, R/C. *Large range. *Sq, also a few 3.2 Ø. **Sq Axles & bores. *Also FK Bolts. Note. Data correct in 2012, additions since.
- VIS Small parts through 5h except 10h Strip, for Cranes & Diggers. Motor & separate Gearbox.
- VOG cf PIONEER, METALCRAFT, & PALIKIT. Corners of Strips cut at 45°. * Known for sure 1957. * Also square Nut, same A/F.
- VLN Red & white Panels that fit together without N&B. cf CONSTRUC.
- VUL * In Set 2. Part Nos. go up to 127 so there may be many more parts. The only unusual part shown in MCS is a 5x3 Flgd Plate flanged on its long sides.
- W I Parts joined with bifurcated paper clips. In France INGENIEUR WALTHER, later ARTS ET MÉTIERS Série 3. * Approx.including at least 20 wooden.
- W-M Main parts: Strips up to 25h; 5x9h F/Pl; 5 & 7h DAS; 5h lg Flgd Sector Pl; 3 Pys with 0.8,2x8 face h, made fr discs w bulged centres spot welded together. *M4 & M3.*H Bolts also known. *various. See DER JUNGE BAUMEISTER [2]
- WMA Alternate holes & slots in Strips, A/Gs. Large TRIX-style Worm. Gear mates with slots in side of large Flgd Disc. * Some parts made from aluminium offcuts are mentioned in *Baukästen*.
- WNK Small tongued & grooved pressed metal parts which push into one another to form walls & roofs.
- WRN Early postwar copy of German TRIX. Lid has name, 'WM' made from Strips, an original Tractor, & one other model.
- WSO WESO MECCANO CONSTRUCTOR set label. Black Tubes with spring clip Connectors. * Few if any N&B.
- WFL Red Flgd Plates, & Strips etc which could be brass plated, or dull grey. Is this the TECHNIK-METALLBAUKASTEN WESTFALIA mentioned in *Eisenzeit*? * PR.
- WEY First name of PROTO, changed soon after launch.
- WHS * Maker's name. Sets to make Overhead Railway. Ref: *Baukästen* p325.
- WID Simple system with red/blue/green parts to make Lorries. Has name on Instructions but only AUTO-BAUKASTEN on lid.
- W-D The No.0 lid has simple red crane. Parts: Str, some w slotted h, Plates, & wood Ply. * & 3x.6. *In No.0. *Multiples, & others in Pl. *7.8mm Ø wood Winding Rod w 3mm Ø steel ends. *+5.6mm Ø RH
- WIF MERKUR parts in small sets sold in Germany & Czechoslovakia.
- WIM Parts in only photo seen look like nickel MECCANO. Lid label has blue background & boy playing with a small Crane. * About, probably. * At least.
- WBA Black Strips & A/Gs support Wall Panels and red Roof Tiles. * Or soon after WW2. * At least. * Perhaps HC (also?).
- WIS cf CONSTRUCT-O-STEEL, CONSTRUCTION MODELS. Sold as SAGESSE in French markets. Parts inc 7h Flgd Sector Pl, & 7h Truns. *52 to at least '94 also suggested. *Also 2.6mm for Whls 015.
- WTH Lid has a 4-span Bridge on pale yellow cover, with Wir bauen eine Brücke in red along bottom. Parts for Bridge(s?), plus? other models. * Nut FF. * 8mm also possible.
- WIT 2 sets with parts to build: Mine Loco & 4 Wagons; Tram & Trailer. * Up to 1950 quite likely but not after 1952. * In Collar, bosses not seen.
- Name used in MCS/NZ for KONSTRUKTOR-SHKOL'NIK.
- WUR1 Parts & models like STIHL (but Strips black instead of blue). Made by Würth Holding, Switzerland for German market.] * Probably predates WÜRTH [2].
- WUR2 5 sets similar to CONSTRUCTION with same lids but with WÜRTH logo & 'Würth Sonderedition 2006' on them.
- X * X KONSTRUKTOR in MCS. Parts include MÄRKLIN-type 5x11h Flgd Plate; Conveyor Belts & parts for, eg Rollers & (?) sheet metal Brackets; Strips 3-25h including 10 & 11.
- Name used in MCS for YUNYI UMELETS.
- YOD A set to demonstrate geometrical properties with Rods, transparent Perforated Plates, & elastic Cords.
- Y E1 ** LE JEUNE INGÉNIEUR. Bilingual names. Parts from MERKUR & details assumed the same.
- Y E2 Mostly copies of the newer MECCANO parts. * Rubber 1/2" Pulley. * 1" plastic Loose Pulley. * Also RH Bolt, FQ, 5.9 DHD.
- YES Parts in manual look generally like BETTAFIT. The hole pitch/dia is for parts that might be genuine.
- YUN IOHOCTb in MCS. MECCANO copy. MECCANO manual models except Helicopter on cover. * Often alloy Strips, Flgd Plate; steel Flexible Plates. But all parts may have been alloy earlier. One set of KONSTRUKTOR [11]. Name, in Cyrillics, is moulded into box but is not on Model Sheet.
- Y U MCS YMEAEU. * May not be as N&B. * May be +14 not illustrated in MCS. ** MCS, but the drawings of the parts look exactly like MERKUR.
- Z-Z1 Strips with 2 rows of staggered holes.
- Z-Z2 Normal pts but 14,18h A/G; 5x2,4,5,9h F/Pl; 5x9h F/Pl w 3*5 cutout; 50mm 6h Disc; short Twisted Str. Sharp cornered Pl, A/G. * & d. *inc Hole Punch. *to 12.8. *to 5.0. *Al. **** & ST FF; others poss.
- Z-G TRIX-like parts but plus Bush Wheel & bossed Pulley.
- ZGL Preceded FG METALLBAUKASTEN, & is probably the same. Data from FG set.

