

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	DAXL	J NB	F MF	K A/F	DHD	REF
B Z	BARUM CHEZ		OO																	B Z
BAT	BATIFIX		BX	FR		F	3.5x.8	-	----	--	10a	13.0*	3.6*	---	---	HT	FB	6.4	6.4	BAT
BBS	BATTLEBOTS *		NM	US	01 *	Fp	2.3x.4;M3	-	----	--	39*	VAR	2.4*	3.2*	---	Hb	FN	4.9*	3.8*	BBS
B S	BAUE SELBST...		OO	GE	30 s															B S
BFX	BAUFIX		BX	GE	32 --- 36 k	F	3.5x.8	p-	----	--	15a	13.0*	3.7*	---	---	t	HC*		6.5	BFX
B-K	BAU-KASTEN		SH ?	GE		Fp						12	?							B-K
B R	BAUKERL ROBO		RT	GE	50 s	Fw	----	-	M4	*--	12	25 a	4.1*	4.2	4.0	--	--	---	---	B R
BAU	BAUSPIELE		DY	GE	31 --- 60 s	wF	1/8x	-	----	--	*	15	* 4	4	4	SR				BAU
BAY	BAYOT		MP	BE		A						22	e							BAY
BBC	B.B.C.		OO	US																BBC
BBM	B.B.M.		OO																	BBM
BVR	BEAVER		UK	UK	50 s-- 60 s	F	4BA	s *	4BA	38 p	37p	12.7	4.3	4.2	4.1	SR	FB	8.0	7.2	BVR
BEL	BELMONT		MP	UK		F	4BA	? -	----	--	13p	12.7	3.9	---	---	t	S ?		6.2 ?	BEL
BEN	BENCO		SH	GE	49 --- 60 s?	Lp		o	----	10 p	77	12.5	4.2		t	HT		7		BEN
BEG	BERGLAND		LG	GE	45 c-- 50 c	L					18*	15 e			H					BEG
BER	BERGSTADT		LG	GE	60 s?	AF	M4	s *	M4	25 *		14.0	4.2*	4.1	4.0	HR*	AA *	8.0	7.3	BER
BES	BESI		ES	GE																BES
BBT	BETTABILT		ML	AL																BBT
BET	BETTAFIT (sometimes BETTA-FIT)		ML	AL	W2 a?	F	5/32W	* s	5/32W	--	34	12.7	4.3	4.4 m	4.1	HC				BET
B-J	BIG-JOY BIIHTIIK WIIYHTIIK		TR	AL	33 k	F		-	----	--	12	7.8 ?	3.6 ?	---	---	t	HT			B-J
BDK	BILD-A-KIT		ML	AL	W2 ap	L	5/32		5/32	p	37	12.7 p	4			HC				BDK
BDL	BILDAL		NM	US	28 *- 32 c	F	----	o	6-32	*--	15	---	3.7*	3.6	3.4	-R*		---		BDL
BDA	BILD-A-SET		LG	US	43 c-- 46 a	q	----	-	----	--	37	38.1*	4.2	---	4.4	--	--	---	---	BDA
BDI1	BILDICO [1]		RT	UK	13 c--	F	1/8W	s	1/8W	--	29	Var	3.2	3.0	2.9	SC	FB	6.3	4.8	BDI1
BDI2a	BILDICO [2a]		UK	UK	53 --- 60 s?	F	5BA	d	5BA	*--	22	12.7*	3.8*	3.5	3.2	HR	FP	6.2	5.5	BDI2a
BDI2b	BILDICO [2b]		UK	UK	54 p--	F	5BA	d	5BA	--	21*	12.7	4.2*	4	3.3	HR	FP			BDI2b
B K	BILD KRAFT		HU OO	US	28 k	L														B K
BLO	BILDO		BM MP	UK	20 --- 23	L	----			--	10+					-	*	---		BLO
BRJ	BILD-R-JIG		DY	US		wA	6-32	-	----	--	6	---	3.9	---	---	HR	FF			BRJ
BIL	BILL DEEZY		RT	US	13 ---															BIL
BEZ	BILT-E-Z		BD	US	23 --- 29 *	F	----	-	----	--	25	---	---	---	---	--	--	---	---	BEZ
BLT1	BILT-E-ZE [1]		UK	UK	47 c?	F	4BA	* d	4BA	--	29	12.7	3.9	4.0	3.7*	Sr	FK	8.1	6.7	BLT1
BLT2	BILT-E-ZE [2]		UK	UK		F	4BA	s	4BA	--	29	12.7	4.2 m	4.2	4.0	HR	FD	8.0	6.2 m	BLT2
B C	BING'S CONSTRUCTOR		RT	GE	13 --- 17															B C
BOB1	BOB [1]		RT	UK	46 c-- 49	FA	M3	d	M3	--	46	12.7 x	3.1	3.1	3.0	-C*	BB*	---	4.9	BOB1
BOB2	BOB [2]		RT	FR	42 --- 52 *	FA	* 3.0x.6	d *	M4	*--	40a	Var	3.2	3.1	2.9*	-C*	AA*	---	4.9	BOB2
BOB3	BOB [3]		RT	SW	43 --- 50 e*	A	M3	s	M3	--	43	20.0 x	3.1	3.1	3.0	HC	FD	6.0	5.0	BOB3
BOB4	BOB [4]		RT p	GE	50 s	FAw														BOB4
BCM	BOITES DE C* METALLIQUE/MET*C*	TE	ML	BE	80 s		M4		M4	38 p	70	12.7	4.2*	4.1	4.0	H				BCM
BOJ	BOJA		ML	GD?	W2 a															BOJ
BTN	BOOMTOWN		RT	US	46 ---															BTN
BSH	BOSCH		SH	GE	50 s	L						10	e							BSH
BUY	BOY		TR	NE	50 e?	A	M4	-	----	---	22	8.25	4.0	---	t	SR	AA*	7 a		BUY
BOY	BOY CONSTRUCTOR*		SH	US	84 --- 87	A	----	-	----	--	49	2.3	1.5 m	---	1.2	--	--	---	---	BOY
BCY	BOYCOY		RT	UK	46 c--	F	4BA	-	----	--	30	---	---	6.5	6.4	HC	BB	6.3	6.3	BCY
BCT	BOYCRAFT		MP	US	50 sp	A	4-40	-	----	--	9	12.7	3.5	---	t	HP	F			BCT
BRL	BRAL		BR MM	IT	20 e-- 04 a	F	5/32W	s	5/32W	38	194	12.7	4.2 m	4.1	4.0	SC	FN*	7.0	6.2	BRL
BRS	BRAL ASTRO/SPACESHIP		BR AS	IT	78 --- 88 k	Fp	5/32W	-	----	--	18*	12.7	4.2 m	---	---	SC	FB*	6.9	6.0	BRS
BRE	BRAL ELETTRIO		BR ES	IT	70 k*- 83 k	Lp	5/32W	*		--	31	12.7	4.2			SC				BRE
BRA	BRAL PRIMA VOLI/AEREI*		BR AS	IT	30 s-- 70 k	F	5/32W,M3	-	----	--	40	12.7 x	4.2	---	---	SC*	FK*	7.0*	5.9	BRA
BMN	BREMEN *		MP	GE		A														BMN
B B1	BRIAN BUILDER [1]		SH	US	89 c+	F	6-32			--		12.7 x	4.0		2.4	t				B B1
B B2	BRIAN BUILDER [2] *		SH	US	80 m+															B B2
BCL	BRICOLO		RT	FR	30 s	F		b		--	28	---	---		4	H-		---		BCL
B-T	BRIK-TOR		GT BD	US	16 --- 21	F	8-32	-	----	--	49	12.7	2.8	---	2.7	SR	F			B-T
BMB	BRITISH MODEL BUILDER		MC TR	UK	32 --- 37	F	5/32W	-	----	--	16	6.35	4.1	---	---	t	SC	F		BMB
BSL	BSL METALLBAUKASTEN		ST	GD	50 sp	Fp	M4	-	----	--	14 ?	43	12.5 ?	4	---	t	HC			BSL

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	DAXL	J NB	F MF	K A/F	DHD	REF				
BTB	BTB PENDULE ÉLECTRIQUE	ES	TR	FR	34 l--	38 b					33*	7.8			3.5					BTB				
B-G	BUCO BUCO-INGENIEUR, -ENGINEER*	LG		SW	43 c--	50 c	wF	5/32W	d	5/32W	--	41	17.5*	4.1*	4.1	4.0	HC	BB	7.0	6.0	B-G			
BAK	BUILD-A-KIT	MP		AL			F					12.7	a							BAK				
BAP	BUILD-A-PLANE	AS		US	30	sp	w	*												BAP				
BAZ	BUILD-A-ZEP	AS		US																BAZ				
BBY	BUILDER BOY *	NM		US	49	k	F	---	p	---	--	20	19.1*	*	3.2*	--	--	--	--	BBY				
BDX	BUILDEX *	ML		NZ	* 50	e					--	13?	12.7	e		S				BDX				
B-O	BUILD-O	ME	ME	CA	81	--	82	F	M3.5	s	M3;M4	30	87*	10.0	3.9	3.8	m	3.7	HC	F	5.9	6.0	B-O	
BDO1a	BUILD O [1a]	MP		US	46	--	47	a*	A	6-32	b*	6-32	40	12.7	3.7	3.7	3.3*	HP*	BB*	7.9	7.1	BDO1a		
BDO1b	BUILD O [1b]	MP		US	45	--	46	F	6-32	b*	6-32	32	12.7	3.6	3.4								BDO1b	
BDO2	BUILD O [2]	BD		UK	15	c--	qF	---	-	---	--	67	32.0*	2	--	--	--	--	--				BDO2	
B-R	BUILD-OVER	OO		US	29	k	L																B-R	
B-X	BUILD-X	EP	LG	CA	70	l?	Fp	M4	d	M4	25*	49	14.0	4.3	4.3	4.2	Hd	FI	6.9	6.9		B-X		
BUG	BURGER	SH		GE	50	s	L	M4	-	---	--	28	12.5	4.2	3.9	t	HR	FF	7.2	6.9		BUG		
BUR	BURGSTÄDTER *	LG		GD	80	c--	84	k*	F	M4	d	M4	13*	70	12.8	4.2	4.0	4.0	HP*	FN*	6.9	8.0	BUR	
BUZ1	BUZ BUILDER [1]	ML		AL	W2	a--	74	F	5/32W	d	5/32W	38	94	12.7	4.3	4.1			*R				BUZ1	
BUZ2	BUZ BUILDER [2]	ML		NZ	70	l--	84	F	5/32W	d	5/32W	38	93	12.7	4.3	4.2	4.0	HR*	FQ	7.9	7.0	BUZ2		
BOL	BYG OG LES	OO																					BOL	
CAM	CAMIONEL	OO			SP	?																	CAM	
CSI	CANADIAN STEEL INSTRUCTOR	ML		CA	10	l?-	20	e?	F	8-32	s	6-32	64	12.7	4.2	4.0	SR	FF	7.9	7.5		CSI		
CCO	CASTCO	RT		US	W2	ap		F	8-32	-	---	--	13	--	--	3.8	-C	F			*		CCO	
C B	CASTLE BUILDER	ML		CA	17	--	18	F	5-40	?		30	e	54	12.7	4.2	SC						C B	
CHAA	CHARPENTO [a]	NM		FR												t	H-						CHAA	
CHAb	CHARPENTO [b]	NM		FR	20	l*-		F	M2	-	---	--	30	12.5	2.5	--	SF	BB	5.0	4.0		CHAb		
CIG	C.I.G.E.A.	LG		IT	55	k--	70	s?	M4		M4	39	e	300*	13.0	4.4*	SC	BB	6.0	6		CIG		
CLF	CLIFFIX	RT		UK	45	a-		F	---	-	---	--	41	--	--	3	a	2.4	--	--	--	--	CLF	
CLP	CLIP	SK	RT	SW	48	--	52	?	A	---	d	5/32W	--	15	--	--	4.1	4	-*			CLP		
C-C	CLIP-CRAFT	RT		US	47	--	49	a	Aw	---	---	--	30a	---	---	4.4	e	4.3	--	--	--	--	C-C	
CLR	CLIRO	RT		UK	49	--	50	s?	A	3x	a-	---	--	18	--	---	HR*						CLR	
CLU	CLOU	MB		GE	32	--		Fw	---	p	---	--	14	8.6	3.2	2.9	m	3.0	m	--	--	--	CLU	
COL	COLUMBUS	RT		GE				L	---	-	---	--											COL	
COM	COMBINATOR	BD		GE	30																		COM	
CCR	COMBICAR	CR		AR																			CCR	
CNV	COMBINAVE	CR		AR																			CNV	
CPO	COMBIPLANO	AS		AR	60	s		F	5/32w	-	---	--	46	Var	4.2	--	HR	FD	8.0	m	7.0	m	CPO	
CON	COMPACT SMP CONDOR	ML		IT	60	p--	83	*	F	5/32W	s	5/32W	38*	92	12.7	4.2	4.1	4.0	HC	FB	8.0	6.8	CON	
CRD	CONRAD	RT		GE				wL															CRD	
CNC	CONSTRUC	NM		FR	W2	b?-	50	s*	F	---	s		* 38*	35a	---	4.0	*	3.5	-*			*	CNC	
C L	CONSTRUCCIONES METÁLICAS	ST		SP	30	s?				---	--	28	12.5*		--	t	HC						C L	
CMR	CONSTRUCCIONES METALICAS R	MP		SP																			CMR	
C C	CONSTRUÇÕES MECANICAS	MA		BZ	45	--	*	F	p		15*	40a	12.7	p	4								C C	
CCT	CONSTRUCT	SH		UK	45	a*		A	6BA	-	---	--	12	9.5	* 3.1	--	2.7	*t	HC	FN	4.9	4.8	CCT	
CTA1	CONSTRUCTA [1]	MP		BZ	70	s?*					14	e	100*	12.7*	4	a	t	HR					CTA1	
CTA2	CONSTRUCTA [2]	BD		GE	52			L															CTA2	
CTM	CONSTRUCTAM	OO		FR																			CTM	
CNN1	CONSTRUCTION [1]	CK	CK	GD	65	--	11	+	Fp	* M4	s	M4	32*	94*	10.0	4.2	4.1	4.0	t	HC	FN	6.9	6.9	CNN1
CNE	CONSTRUCTION C40	CK	ES	GD	91	k--	92	p	F	M4	s	M4	32	57	10.0	4.2	4.1	4.0	HC	FN	6.9	6.9	CNE	
CNT	CONSTRUCTION theme sets	CK	CK	GD	80	s--	90	m*	Fp	M4	s	M4	32	121*	10.0	4.2	4.1	4.0	t	HC	FN	6.9	6.9	CNT
CAB	CONSTRUCTION AUX BATONNETS	RT		FR	* 00	c*		wB	---	-	---	--	10	--	--	2.0*	--	--	--	--	--	--	--	CAB
CJP1	CONSTRUCTION JEEP [1]	SH		JA	45	a		F	3x.6	?	p*	---	--	17	10.0	x	3.2	3.4*	3.0	SR*	FB	6.0	5.2	CJP1
CJP2	CONSTRUCTION JEEP [2]	SH		JA	67	k		F		p*	---	--	17	10.0	x	3.3*	2.8	SR	N	6.0			CJP2	
CTR	CONSTRUCTION TRACTOR	SH		JA				F		p	---	--	16	10	p		SR						CTR	
CTK1	CONSTRUCTION TRUCK [1]	SH		JA	W2	a		F		p	---	--	14	10.0	x	3.1	--	HR		6	5		CTK1	
CTK2	CONSTRUCTION TRUCK [2]	WS	CH	CN	p	00	e?																CTK2	
C Ma	CONSTRUCTION MODELS [a]	WS	CH	CN	78	--	93	p*	F	M4	s	M4	--	38	12.5	4.3	4.2	4.0*	HR	FN	6.9	6.5	C Ma	
C Mb	CONSTRUCTION MODELS [b]	CH		CN	93	k																	C Mb	
C_S	CONSTRUCTION SET	MB		US				Fw	---	p	---	--	14a	8.7	3		--	--	--	--			C_S	

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	J DAXL	NB	F MF	K A/F	DHD	REF	
DKI1	DER KLEINE INGENIEUR [1]		ST ?	GD	51 ck	F														DKI1	
DKI2	DER KLEINE INGENIEUR [2]		LG	GE		A ?						14 p				HC				DKI2	
DKI3	DER KLEINE INGENIEUR [3]		MP	GE		F					14*				t					DKI3	
DKK1	DER KLEINE KONSTRUKTEUR [1]		ST	GD	50 s	F	M4				53	10.0 *	4.3		3.9 t	HC *				DKK1	
DKK2	DER KLEINE KONSTRUKTEUR [2]		ST	GD		F	p													DKK2	
DKK3	DER KLEINE KONSTRUKTEUR [3]		MP ?	GE	13 ?															DKK3	
DKT	DER KLEINE TECHNIKER *		ST	GE	p							10 ?								DKT	
DKF	DER KONSTRUKTEUR FMF		ST	GD	50 ck	F										HC				DKF	
DSM	DER S.M.		OO	GE	?															DSM	
DBB	DIAMOND BRIDGE BUILDER		NM	US ?	90 sp	F	---	-	---	--										DBB	
D B	DINKY BUILDER		MC DK	UK	34 --- 65 c	F	---	p	---	--	16				*	2.6				D B	
D L	DISCO LUDENDO		MM	IT	85 ?	F														D L	
D G	DISTLER GIANT, GIGANT *		TR	BE	63 --- 65 *	F	M6			33 *	30	16.0	6.4	6 *	--- t	HR	FK	9.8	10.0	D G	
DIT	DITMAR		SH	AS	40 l- 52	FA	* M3.5	s *	M3.5	*	56	8.5	3.7 m	3.7	3.6	HT	FF	7.0	6.0	DIT	
DOC	DÖCO		BD ?	GE	20 c	Lw														DOC	
DOR	DORANDO		BD	GE	26 *-	Ltq		-	---	--	30*	10.0	4.5		---					DOR	
DEL	DU-EN-LOZ		AR	AR	44 --- 55					--	58*	12.7	4.2		4.0	SR				DEL	
DSC	DUPLEX STANDARD C* TOY	GT	ER	US	29 --- 32	F	8-32	s	6-32	24	207	12.7 x	4.4 *	4.1	4.0	SR	FN	6.4	7.2	DSC	
DUR	DURALUMINUM CON* SET		MP	CA	W2 a	A	6-32	-	---	--	13	12.7	4.7		---	3.2	HR	FN *	7.9	6.3	DUR
DURATAXE																					
D-A	DUX-AUTO		CR	GE	33 k															D-A	
DMF1	DUX METALL-FLUGZEUG [1]	MK	AS	GE	32 --- 39 k	F	1/8W	s		--	43*	12.5 *	3.3			HC		6		DMF1	
DMF2	DUX METALL-FLUGZEUG [2]	MK	AS	GE		F				--	14*									DMF2	
D-U	DUX-UNIVERSAL	MK	LG	GE	39 --- 64 *	F	M3	* s *	M3	25	90*	15.0	3.3	3.5	3.3	Hc *	FB *	6.0 *	5.4 *	D-U	
DVS	D.V.s INGENIØR		SH	DE	30 s	F		t		15 a	44	12.5	4.0		t	HC				DVS	
EBS	E B S *		LG	GE	96 --- 99 ?	F	M5	s	M4	--	23	15.0	5.3	5.2	5.0 *	HH	FN	8.0	8.0	EBS	
ECP	ÉCÉPÉ	JP	ML	FR	15 --- 19	F						12.7	4.1 p		3.9 p					ECP	
EDI	EDISON		MA	CZ	W2 b?- W2 a?	F	3.6x.8	d	3.6x.8	38 *	66	12.7	4.3	4.3	t	HC	BB	8.1	5.1	EDI	
EDE	EDISON ELEKTRO		ES	CZ	W2 b?- W2 a?															EDE	
EDO	EDOBAUD		NM	FR	28 --- 39	Lw	3x				66*	Var	4		4.0	H *				EDO	
EMB	EDUCATIONAL METAL BUILDING SE'SH			US																EMB	
EFL1	EFEL [1]		SH	FR		F				--	20k	10.0			2.0		B			EFL1	
EFL2	EFEL [2]		MD SH	FR	50 s-- 60 l*	F	* M4	s	M4	--	39*	10.0	4.1	4.0	4.0	HC	FF	7.0	5.9	EFL2	
EFL3	EFEL [3]		GE SH	FR	50 s	A	* M4	s		--	31	15.0 *	4.2	4.1	3.9	HC	AA	7.1	6.0	EFL3	
EEL	EIFEL		MP	DE																EEL	
EIF1	EIFFEL [1]		MP	GE	30 l*- 48 k*	A	M4	-	---	--	36	12.7	4.1		---	--- t	HR	B	8 ?	EIF1	
EIF2	EIFFEL [2]		MP	DE								12.7								EIF2	
E-S	ELADO-SPIELE		OO	GE	49															E-S	
ECA	EL CONSTRUCTOR AMERICANO*		ML	SP	12 --- 21	F	8-32	s	6-32	30	74	12.7	4.2	4.1 m	4.0	SC *	FB *	6.5	6.5 *	ECA	
ETC	ELECTRIC		ES	GD	32 c*- 70 c	Fp	5/32W;3x	-	---	--	32	12.5	4.0		t	HC *	B			ETC	
EMK	ELEK*MEH*S KONSTRUKTORS		SH	RS	83 k	F	M4	k *	---	25 *	95	12.5	4.3	4.3 m	4.0	HR	FI	6.9	6.9	EMK	
EKS	ELEKTRISKAIS KONSTRUKTORS		ES	RS	80 s?	Lw	M4			--	25	12.5	4.4 a			HR	FI	6.5	7	EKS	
EKO	ELEKTRO		ES	GD	50 s?	Ap	M3	-	---	--	52	10.0	4.2 *		---	HT	FN	5.6	5.0	EKO	
EKM	ELEKTROMECH		OO																	EKM	
E K	ELEKTROMECHANICHEN K'N'R*		CK	BU	86 k?	Fp	M4	s	M3	--	45*	10.0	4.4 m	4.0 *	4.0 *	HP	FN	6.9	6.8	E K	
E-P	ELEKTRO-PIONIR or ELEKTRO		ES	YU *	99 k*															E-P	
ELS	ELEKTRUS		OO																	ELS	
ELT	ELET		ES	IT																ELT	
EEM	EL EXPERTO MECANICO		AR	AR	45 --- 55	F	5/32W	d	5/32W	--	58	12.7	4.3	4.1	4.0	HR	FF	7.8	6.5	EEM	
ELG	ELGIN		MP	UK	W2 a- 50 s?	A	4BA	e	---	--	23	12.7	3.9	4.1 *	3.2 t	HC *	FD *	6.3	6.2	ELG	
EII	EL INGENIERO INFANTIL		TR	AR	33 --- 40 c	F	*			--	16*	7.8 *	3.5 *		t	H				EII	
EIM1	EL INGENIERO MECANICO [1]		RT	SP	40 c--	Fw		-	---	--	13									EIM1	
EIM2	EL INGENIERO MECANICO [2]		MP	VE	87 k	A				--	48	12.7	4.7			HC				EIM2	
E I	EL INVENTOR		MP	AR	45 c							12.7	4.2							E I	
EMA	ELMA		NM	GE	50 s?	F	---	-	---	--										EMA	
ELM	ELMEC		ES	NE	46 --- 49 *	Fp	M4;M3	s	M4	34 *	105	12.5	4.1	4.1 m	4.0	SC *	FD	6.1	7.0 *	ELM	

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	DAXL	J NB	F MF	K A/F	DHD	REF
E M	EL MECANICO		AR	AR	45 --- 55	F	5/32W	d	5/32W	--	77	12.7	4.4	4.2	4.0	SR	FF	6.1 m	7.3 m	E M
EMA	EL MECANICO ARGENTINO		MP	AR	07 ---	L				--	50					H				EMA
ENA	EL NUEVO ING* ARGENTINO		ER	AR	45 ?-- 60 ?	F				24	116*	12.7	4.4 *			SR				ENA
EPI	EL PEQUEÑO INGENIERO ARG*		OO	AR																EPI
E T	EL TECNICO		AR	AR	50 s						71	12.7	4.2			SR				E T
	EMA																			
E B	EMPIRE BUILDERS																			E B
EEK	EMPIRE EDUCATIONAL KIT		LG	UK	45 a -	F		e	---	--	20a	15.9 *	3.9	--	2.7	H	B			EEK
ENT	ENGINEERIT		ML	US *		F	---	e	---	--	24	12.7 *	4.3	4.0 *	3.8	--	* FT	--	--	ENT
ENG1	ENGINEERO [1]		MP	US	15 k	F	7-32	* s	.1"x40	--	36	12.7	4.3 *	4.3	4.0	SR	FN	6.5 *	7.5 m	ENG1
ENG2	ENGINEERO [2]		MP	US	40 l?	A	5-40	* -	---	--	10	12.7	4.7	--	3.1 t*	HR	FF	7.8	5.9	ENG2
ETH	ENTECH		ML	IN	04 --- 05 *	Fp	5/32W	p			65a	12.7 p	4 p		4					ETH
EPAA	EPA [a] *		ER	GR								12.7 *	4.2							EPAA
EPAB	EPA [b]		MM SH	GR		F	5/32W	s	5/32W	25 *	40+	12.5	4.4	3.7 m	3.4	HC	FI	8.0	6.9	EPAB
ETNa	ERECTION [a]		ER	JA	50 s?	F	5/32W	s	1/8W	--	25a	12.7	4.2 m	4.0 *	3.9	SR	FB	7.5	7.0	ETNa
ETNb	ERECTION [b]		MP ?	JA	50 s?	F	5/32W	p s	1/8W	p 12 a	30a	12.7	4 p			SR				ETNb
ETO1	ERECTO [1]		MB	US																ETO1
ETO2	ERECTO [2]		MA	GE	p 40 m?	FB		t		--	20a	12.7 ?								ETO2
ERT1	ERECTOR [1] prototype		GT ER	US	13	F	8-32	p			33*	12.7 x	4.2			SR				ERT1
ERT2a	ERECTOR [2a] mysto		GT ER	US	14 --- 16	F	8-32	s	6-32	16	55*	12.7 x	4.2			SR				ERT2a
ERT2b	ERECTOR [2b] old		GT ER	US	16 --- 24	F	8-32	s	6-32	16	56*	12.7 x	4.3	4.0	4.0	SR	FF	9.5	7.5	ERT2b
ERT3a	ERECTOR [3a] new		GT ER	US	24 --- 32	F	8-32	s	6-32	24	217*	12.7 x	4.3 m	4.1	4.0 *	SR				ERT3a
ERT3b	ERECTOR [3b] revised		GT ER	US	32 --- 62	F *	8-32	s	6-32	24	136*	12.7 x	4.3 m	4.1 *	4.0	SR				ERT3b
ERT4a	ERECTOR [4a] gabriel		GB ER	US	63 --- 81 *	F	8-32	s	6-32	--	80*	12.7	4.2	4.2	4.0 *	SR	FQ	6.5	7.1	ERT4a
ERT4b	ERECTOR [4b] ideal		ID ER	US	81 *- 88	Fp	8-32	s	6-32	--	61*	12.7	4.2 *	4.2	4.0 *	HR	FK	8.5	7.5 *	ERT4b
ERT5	ERECTOR [5] meccano		MC ML	US	91 --- 09 +		7-32	* d	7-32	* 38		12.7	4.3			bS	FQ			ERT5
ERA	ERECTOR AIR-KRAFT/AIR-PLANE		GT AS	US	28 --- 32	F	8-32	s	6-32	--	33a	Var	4.2			SR				ERA
ER5	ERECTOR CONSTRUCTOR 5 IN 1		GB ER	US	64 --- 67	Fp	8-32	p	6-32	* --	83*	15.9 *	4.7 *	4.0	4.0 m	SR	FQ	6.5	6.7	ER5
ERE	ERECTOR ELECTRICAL		GT ES	US	16 --- 49 a															ERE
ERH	ERECTOR HUDSON		GT NM	US	31 --- 37	F	8-32		6-32	24	113*	Var	4.2			SR				ERH
ERL	ERECTOR LANKY LINKS		GT OO	US	61 k	Lp														ERL
ERY	ERECTOR SENIOR		GT NM	US	22 --- 23	F						25.4 x	4p							ERY
ERS	ERECTOR SKYSCRAPER		GT BD	US	35 --- 36	Fq	8-32	-	---	--	7*	12.7 x	4.2	--	--	SR*		6.5	6.4	ERS
ERZ	ERECTOR ZEPPELIN		GT AS	US	29 --- 33	F	8-32	s	6-32	--	50a	12.7	4.2			SR				ERZ
ETT	EREKTIT *		RT	UK	13 c-- 15 k	F	1/8W	s	1/8W	--	29	Var	3.2	3.0	2.9	SC	FB	6.3	4.8	ETT
ERK	ERKO		TR	GE *		*														ERK
ESO	ESCHO		ML	GE	80 s?	F	M4	t	M4	38	88	12.7	4.2			HC				ESO
ESC	ESCO		MP	UK	25 c	FZp	2BA	s	6BA	--	28*	12.7	5.0	4.9	4.8	HC	FF *	8.2	8.1 *	ESC
EWG	E.W.G.		SH	GD																EWG
EXA	EXACTO		ML	AR	59 --- 09 +*	F	5/32W		5/32W	38	195*	12.7	4.2			SC				EXA
E Z	E.Z.		MP	US	W2 ap	A	5-40	-	---	--	12	12.7	3.7		-- t	HR	F	7.8	5.6	E Z
EZY0	EZY-BILT [0]		ML	AL	33 k--	F	---	---	---	--		12.7	4.1 *			--				EZY0
EZY1	EZY-BILT [1]		ML	AL	--- 55 ?	F	5/32W	d	5/32W	38	88	12.7	4.2	4.2 *	4.1	SC	FF	7.9	6.0 *	EZY1
EZY2	EZY-BILT [2]		ML	AL	55 ?-- 70 c	F	5/32		5/32	38	130	12.7	4.2			SC				EZY2
EZY3	EZY-BILT [3]		ML	NZ	60 k--							12.7	4.2							EZY3
FAC	FAC *		PR RT	SD	52 --- 09 +*	F	M3; M4	* d	M3	36	225a	14.0 x	4.1 *	6.0	6.0 *	HC	FK	5.9 *	5.3 m	FAC
FAI	FAI MECCANICA		SH	IT		F	M4	t	M4	32 *	46*	12.0	4		4.0	HC	FK	7.0	7.0	FAI
FAL1	FALCO [1]		MP	IT																FAL1
FAL2	FALCO [2]		DK	IT	37 k	F	---	o	---	--	58	---	---		3.0	--	--	--	--	FAL2
F E	FALCO ELET		ES	IT		Fp	5/32W;3x	-		--	32	12.7	4.0			t				F E
FLT	F A L T		FA MA	IT		F	5/32x			34	44	12.7	4			HR		8		FLT
FBT	FALTERBOT		FA AS	IT		Fw	5/32x			34	63	12.7	4			HR				FBT
FAN	FANTASIE 'R'		FL RT	GE	32 ---							29?								FAN
FAV	FAVORIT		MP	GE *	47 --- 49 k	Fp										R				FAV
	F.D.K.K.																			
FEM	FEMEPITO		HA	HU	50 s-- 60 s	A	p			--	28	15 p	3.5 p			HT				FEM
FMO	FERMO		NM	GE	46 kp	F	M4	t	M4	--	18	Var	4.3		3.6	SC	FK	7.0		FMO
FRO	FERRO		RT p	GE	58	Fp														FRO
FRX	FERROX		SH	GE	40 l-- 50 e	F *				--	31	12.0	4.1			t	HC	FB	L	FRX
FGM	FG METALLBAUKASTEN		SH	GE	48 p-- 50 e?	F		-	---	--	20	11.9	4.8			H				FGM

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dB	DAXL	J NB	F MF	K A/F	DHD	REF
FFA FIX	FIFA FIX		MP LG	GD GE	W2 a 40 c?-48 k	A p F	p M4				17* 30	Var	4.4			t HA*	HR FD			FFA FIX
FLX F-B	FLEX FLEXO-BUILD		TR MP	LG US	NE 46 --- 10 l?	FAq p	---				10* 16.0	3.9		3.7						FLX F-B
FOR FMR	FORGEACIER FORMATOR	JP	DY SH	FR GE	31 --- 50 m* 13 *- 15 k	F L	M3.5; M3* s	M3.5 p*		39* 70+	41 10.0	3.6* 3.5	3.6 5*	3.5 3.5*	HC SC	BB* 6.0*				FOR FMR
FMA FRM	FRAMA FRAMUS		SH RT	GE UK	W2ap 19 --- 21 k	L Fw					15* 13*	12 ---	?		*t					FMA FRM
FRI FRY	FRI-DIE FRYDAGH		LG MA	GE GD	W2ap 46 k-- 47 k*	F FA	3x 3x				15 40*	15.5 13.0	3.8* 3.5			t 3	HT* FN	6.0 6	a	FRI FRY
FUN FTY	FUNSTRUCTION FURNITORY	ME	ME NM p	US GE	79 32	F F	M3.5	s	M3;M4	30	46 10.0	3.9	3.8	3.7	HT	FQ	5.9	6.0		FUN FTY
GA GCO GEN GTS	GA GECO GENIAL GENIATUS		OO RT SH RT	GE AS GE	p 46 a-- 52 k	wL F wL	M3	s s	M3	* 51*	67 10.0*	3.3	3.2	3.1	HC	FF	5.5	5.5		GA GCO GEN GTS
GBR GES GIA	GEOBRA GESCHA GF METALLBAUKASTEN GIANT, GIGANT		NM TR	GE GE	54 k 59 ---	F Fp	M3			19 a --	22 11	Var	3	3	3	-c t				GBR GES GIA
GAK G W GRE GTT GBT	GILBERT AIR-KRAFT GILBERT NEW WHEEL TOY GILBERT RIDE-IT ERECTOR * GILBERT THATCHER TIN CAN TOY GILBERT TUBULAR TOY	GT	AS NM NM DY RT	US US US US	19 --- 20 19 --- 22 65 --- 19 k 37 k*		wF Fp	8-32;14-20			14+ 48	Var 25.4 x		4		SR				GAK G W GRE GTT GBT
GIO G-B GKI GLO	GIO GIRDER BILT * GLOBUS, Der Kleine Ingenieur GLOBUS LEICHTBAU		SH MP ME SH	IT US AS GD	60 s 50 s? 47 c-- 50 s 48 k	Fp A F A	---	p -	---		8 10 38 39	7.5 12.7 10.0* 10.0	3.4 3.5 3.3 4.0	2.9 3.2* 3.3 4.2	2.9* --- t	-- HV HR*	-- FK* FN*	-- 6.4* 6.0 5.5*	-- * 5.6 5.8	GIO G-B GKI GLO
GLA GNM	GLORIA GNOM		SH LG p	GE GE	W2ap GE	F F p	2.5x.45* p		2.5x.45*	--	33* 6.0	2.9* 2.8*		2.8*	HC*	FN	6	4.5 c		GLA GNM
GOL GOR	GOLIATH GOOD PLAY GORDON		TR MP	SP GD	30 s 60 c-- 72 c	L					14a	2.4		--- t	HR					GOL GOR
HAK H C HDY H W	HAKI HANDY CRAFT HANDY SET HAO WANG		OO MP ML CH	GE US AL CN	20 s-- 30 s 25 c-- 20 l 60 s?*	s F F	---				19a 13 33	12.7 12.7p 12.7p	4.4 4 p 4.3p		4.0	SR SC SC	FN	8.0	7.7	HAK H C HDY H W
HAP HAS H K	HAPPYNAK HASSIA HAUSSERS KÜNSTLER		RT TR BD	UK GE GE	14 --- 30 s? 48 k 17 --- 29	F Fw	---				25 15*	---	---	---		-- HR	-- FN	---	---	HAP HAS H K
HKO H-M H S HSA	HEIKO HELLER-MÉCANICUS HELLER'S STAHLBAU HERSA		SH DY DY SH	GE FR GE GE	49 33 k?- W2 a? 36 --- 56 p 47 k*	F F F A	M3	o?			33 54 57 21	10.0 3 p 3	3.1 3.1	3.1 ---	--- t HR HC HC	FF* 5.6 B FF*	5.6 5.6 5.5			HKO H-M H S HSA
HOH H U HSD	HOHA HOLLYWOOD U-BUILD-IT HORNBY SYSTEM OF M* D*		LG SH MC ES	GE US UK	30 s-- 50 s W2 a* 08 --- 14	F A F	M4	s p k	M3 ---		60 12 38	13.1* 11.1* 12.7	4.2* 4.8 4.2	4.1 6.4 4.1	4.0* ---	HR FN SC	7.0* 7.1			HOH H U HSD
H A H B HWM HYB	HUSTLER ACTION TOY BUILDER HUSTLER BILDKRAFT HW METALL-BAUKASTEN HYBRIDEX	HU	NM MP HW SH PR	US US GD UK	27 k-- 28 k 30 s* 49 ?-- 80 s	Fw F F A	4-36 M4				34 30 12.5 9	41.3* 12.7 4.2	3.9 4.0* 4.2	*	3.1	SR SC H	FF 6.5	5.3		H A H B HWM HYB
IBJ ICB IDL I M	I.B.J.C. I.C.B. IDEAAL IDÉALE MÉCANIQUE		OO OO TR SH								20			t	RS	L				IBJ ICB IDL I M
I B	IK BOUW / JE CONSTRUIS	TE	ML	BE	80 s	F	M4			38	84	12.7	4.2		HC					I B

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	J DAXL	F NB	K MF	A/F	DHD	REF	
IBM	IL BALILLA MECCANICO		SH	IT	30 s?	F	3x	? -	----	--	10* 6	* 3 *	---		t	HC	B			IBM	
ICM	IL COSTRUTTORE MECCANICO*	BR	MM	IT																ICM	
IMT	IL METALTECNICO		MP	IT		L				--	26					HF				IMT	
IMP	IMPERATOR	RI	RT	GE	13 --- 20	e* F	---	o	----	--	31 ---				3.5	-- --	---	---		IMP	
IND	INDUSTRIE		LG	GE	19 *- 31	k					18* 15.0	5.1				W *				IND	
IMI	INGENIERIA MECANICA INFANTIL,*	AR	SH	AR	45 c?- 55	c? F	p 5/32	t	1/8"	--	64 10	p 4 p		4.0	HR					IMI	
ING1	INGENIEUR [1]	RI	RT	GE																ING1	
ING2	INGENIEUR [2]		OO	GE	19 c	L														ING2	
INO1	INGÉNIO [1]		SH	FR	20 e							12.3	4.2							INO1	
INO2	INGÉNIO [2]		OO	FR	48															INO2	
INO3	INGENIO [3]		NM	GE	48 k*	F	M3	p	----	--		9.0 *	3.4	---	3.2	HC	FF	6.0	5.4	INO3	
IGR	INGÉNIO R		OO	FR	40 l															IGR	
IST	INGENIØRSAET		CK	SD	80 sk															IST	
INM	INGÉNIUM		SH	FR	47 --- 55						33 12	3.8				HR				INM	
ISO	INSTRUCTO		RT	US	20 c?	F	---	-	----	--	16	w	---		6.4 *	-- --	---	---		ISO	
IOS	INSTRUCT-O-SCALE		NM	US	46 k*	A	---	-	----	--	8* ---	1.6	---			-- --	---	---		IOS	
INT	INVENTOR		NM p	CZ	20 --- 25	Fp														INT	
INV	INVENTRIX		ST	UK	46 --- 58	* F	M4	s	M4	--	40 12.5	4.1 m	4.1 m	4.0	SM* FF	8.0 m	7.3 m			INV	
IVA	INVICTA		TR	SP	33 --- 36	F	3.5x.8	-	----	--	14 7.8	* 3.7*	---		t	HT	FB	6.4	5.1	IVA	
	IOHOCTb																				
I C	IRON CONSTRUCTOR, THE		NM	US	94 *	Bw		-	----	--	10a Var	1.8	---			H*	BB		*	I C	
ICD	IRON CONSTRUCTOR AND *		NM	US	95	Bw	2x	-	----	--	12 Var	1.8	---			R*	BB		*	ICD	
ITC	ITALMECC		MM	IT		F						12.7 *								ITC	
J&J	JACK & JILL DANDY *		NM	US	49 k?	A	5-40;¼x20	-	----	--	15 Var	3.9	---			HR	FN*	7.8	5.7	J&J	
J C	JE CONSTRUIS / IK BOUW																				
J A	JEEP AUTO		OO	BE																J A	
JEP	JEP, JE-IL, JIEL*		ML	KO	80 c-- 98	+ F	M4	d	M4	38	144 12.7	4.3	4.2			HR	FK*	6.9	SM	JEP	
JFT	JEU FAIT TOUT		OO	FR	35 ck															JFT	
JIF	JEFFY BUILDER		MP	US	W2 a		4-48	*	-	----	--	9 12.7	3.5	2.9*	---	t	HR	FD*	4.7*	4.9*	JIF
JOC	JOC MECANO		ML	RO	70 c															JOC	
JOL	JOLEI		SH	GE	W2 a-- 50	e? A	M4	p	----	--	12a 11.0	4.4	---			SR	F	7 p	7 p	JOL	
JDG	JOUET DÉMONTABLE GILBERT	GT	NM	US	19 --- 22															JDG	
JRE	JR ENGINEER		MP	US	46 k	AF	6-40	s	6-40	21 a	27 12.7	3.6	3.6	3.2	HC*	FF*	7.7	5.5		JRE	
JMA	JUEGO METALICO DE ARMAR F.M.	AR		AR	45 --- 55	F					106* 12.7	4.2								JMA	
JUG	JUGA		LG	FR	47 *- 50s	F	4x.75	e	----	--	36 14.0	4.1	---	3.8*	HR	FF*	7.0	7.0		JUG	
JUN1	JUNEERO [1]		DY	UK	35 --- 56	* F	6BA	d	6BA	40	39* 10	* 3.0	2.7	2.6	HR	FF	4.8*	4.6		JUN1	
JUN2	JUNEERO [2]		DY	CA	40 l?- 22*	F										HC				JUN2	
JNR1	JUNIOR [1]		TR	SD	?	F	1/8x					23a 8	3	---	t	HM?	S			JNR1	
JNR2	JUNIOR [2]		CH p	*	04 k							30+								JNR2	
J M	JUNIOR MECHANIC		MP	US	46 p-- 50	s? A	5-40	-	----	--	13 12.7	3.5	---	3.2 t*	HR	FF*	7.9*	5.8		J M	
KAK	KA-KA-HA		MP	GE p	51 k?*	L														KAK	
K X	KARL MARX ROCKET BUILDER		AS	RS	48 k	F	M3	-	----	--	14 Var	3.5	---	3.0	HR	FD	5.6 m	5.4		K X	
K&S	KARUSSELL- UND SCHAUBUDENBAU		OO	GE	24															K&S	
KDO	K.do		OO	FR	50 c															KDO	
KIM	KEIM	KM	BD	GE	23 c-- 28	c F	---	-	----	--	8 ---	---	---	---		-- --	---	---		KIM	
KEL	KELLER		NM	GE	91 ---	F	---	-	----	--						-- --	---	---		KEL	
KPH	KELMAR POW'R HOUSE		NM	US	47 k															KPH	
KKO	KIKO		MP	FR	46 *	F	5/32W	-	----	--	19 12.7	* 4.4*		4.0	SP*	F	7.0			KKO	
K E	KINCO ENGINEER *	BM	MP	UK	22 --- 24	F	p				10+ 12.7	p 4 ?								K E	
KIN	KINCO ENGINEERING *	BM	LG	UK	20 --- 22	F		*			27 31.8*	3.8			HR	B				KIN	
KKR	KINDER-KONSTRUKTEUR, Der		SH	GD	W2 ap	A	M3				36 7.5	3.2								KKR	
KMA	KINEMA		RT	GE	46 c-- 50	F				-- *	70 10	6 *		6						KMA	
K T	KIS TECHNIKUS		HA	HU	50 sp	A					15			3.3						K T	
KTO	KITANO		ML	UK	47 a -	FA	5BA	-	----	--	13 12.7	4.2 m	---	---	HR	FF	6.3	5.5		KTO	
KIT	KITOU		SH	FR	46 *	F	5/32W	-	----	--	19 12.6*	4.4*		4.0	SP*	F	7.0			KIT	
KSK	KITSPOCK		ML	BZ	80 c-- 90	c F	5/32W	d *	5/32W		50* 12.7	4.1	4.1 m	4 p	HR	FQ	6.4 p	6.9		KSK	

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	DAXL	J NB	F MF	K A/F	DHD	REF	
KLX	KLAX		ER	US	25 k															KLX	
KLT	KLIPIT		RT	UK	14 *- 30 e	Fw	1/8W	* s	1/8W	22	49*	---	---	4.9	4.8 m	HC*	FD	6.4	4.9	KLT	
KLO	KLIPTIKO		RT	UK	13 --- 39 k	F	1/8W	-	---	--	20	---	---	10.1	9.5 a	SC	FB*	5.6	6.4	KLO	
KMS	KMS		ES	UK																KMS	
K H	KNIGHTS HEAD		NM	UK	46 cp	F	5/32x	o	---	--	31*	Var	4			HC				K H	
KNI	KNIRPS	WA	ST	GE	32 --- W2	F	5/32W	-	---	--	16	12.5	4.2	---	---	t	HC			KNI	
KNO	KNÖLL		MA	GE	p	Fp		t			20*									KNO	
KLR	KOBLER		RT	SW	48 k	A	p													KLR	
KOM	KOMBINATION		NM	GE	30 kp	Lp						8.5 e 3 *								KOM	
KMB	KOMEB		ME			Fp						10 p								KMB	
KZM	KOMPLEKT ZAKONSTRUIRANE*		ML	BU		F	M4					12.7 *			4.0					KZM	
KNA	KONSTRUKTA		UK	UK	52 k	F	5/32W	*	5/32W	38	36	12.7	4.1	4.1	4.0	SC*	FF*	7.9 m	5.9 m	KNA	
KNN	KONSTRUKTION		CK	GD	56 --- 60 m*	F	M4	s	M4		81	10.0	4.1	4.2	4.0 t	HT	FN	7.0	6.9 m	KNN	
KTR	KONSTRUKTIONER		RT	SD	52 c--	F	M3	d	M3	--	50a	14.0 x	3.1*	6.0*	6.0*	HC	FK	5.9	5.3 m	KTR	
KSL	KONSTRUKTIONSPIEL		SH	GE	40 lk	FA	* M3; M2.6*	-	---	--	16	7.0	3.1	---	---	HT	FF*	5.2*	5.8*	KSL	
KSE	KONSTRUKTIONSSPIELE		MP	GE	20 s?*	A	*													KSE	
KØR	KONSTRUKTØR		OO	DE	p															KØR	
	KONSTRUKTOR, & KONSTRUKTOR [2]																				
	KONSTRUKTOR [1]																				
KNR2	KONSTRUKTOR [2]		LG	RS	--- 80 s					--	37	13.3	4.0			HR	S			KNR2	
	KONSTRUKTOR [2]																				
KNR3	KONSTRUKTOR [3]		SH	RS	75 --- 89 k	A	M4	d	M3	* --	48	10.0	4.3*		3.9	HR	F	6		KNR3	
KNR4	KONSTRUKTOR [4]		ST	RS	80 s	F		-	---	--	27	12.5	4.4		---	t	HR			KNR4	
KNR4A	KONSTRUKTOR [4A]		ST	RS		F		-	---	--	25a	12.5 p			---	t				KNR4A	
	KONSTRUKTOR [5]																				
KNR6	KONSTRUKTOR [6]		SH	RS	80 e	L	M4		M4	--	39	12.0	4.4			HC				KNR6	
KNR7	KONSTRUKTOR [7]		SH ?	GD								10 ?				H				KNR7	
KNR8	KONSTRUKTOR [8]		OO	GE																KNR8	
KNR9	KONSTRUKTOR [9]		OO	PO																KNR9	
KNR10	KONSTRUKTOR [10]		CK	RS	50 s?	L	M4	o	---	--	58	10.0	4		---	t	HF			KNR10	
KNR11	KONSTRUKTOR [11]		CK	BS	94 k-- 98 k	F	M4	p	---	--	44	10.0	4.6	3.6	3.5*	HR	FD	7.4	7.0	KNR11	
KNR12	KONSTRUKTOR [12]		CK	RS	88 k	A	M4	-	---	--	45	10.0	4.4		---	t	HC			KNR12	
KNR13	KONSTRUKTOR [13]		SH	RS	75 c-- 92 k*	F	M4	d	M4	p --	22	10.0	4.3			HR				KNR13	
KNR14	KONSTRUKTOR [14]*		CK	PO	87 k	F	M4	s	M4	*	62	10.0	4.1*	4.2	4.0 t	HC	FZ*	7.0	6.7	KNR14	
KNR15	KONSTRUKTOR [15]		SH	RS	80 ek?	F	M4	t	M4	p --	44	10	4			*	HR			KNR15	
KNR16	KONSTRUKTOR [16]		SH p	RS	50 s?	L						10.0 p	4 p							KNR16	
KNR17	KONSTRUKTOR [17]		CK	UN*	03 k															KNR17	
KNR18	KONSTRUKTOR [18]		SH	RS		L	M4	p	p	---	11+	10 p	4 p			HR	P			KNR18	
KNR19	KONSTRUKTOR [19]		SH	UN*	03 +	Fp	M4	p				10 p				HR				KNR19	
KNR20	KONSTRUKTOR [20]		SH	RS	07 k	F	M4	o	---	--	31	10	4		---	t	HT			KNR20	
KNR21	KONSTRUKTOR [21]		CK	RS		A	M4	-	---	--	48	10.0	4.3	4.2	---	t	HR	FI	7.0	6.6	KNR21
	KONSTRUKTOR BAUVORLAGEN																				
KRN	KONSTRUKTÖREN		TR	SD		L		-	---	--	24k					t	HR			KRN	
K K	KONSTRUKTOR K-115		SH	BS	97 k	F	M4	p	---	--	28	10.0	4.3		3.9	HR	FQ	7.0	6.7	K K	
K M	KONSTRUKTOR MALYUKTA		SH	RS	91 ?-- 96 k	F	M4	-	---	--	16	10.0	4.3	---	4.0	HR	FN	6.9	7.0 m	K M	
K-M1	KONSTRUKTOR-MEKHANIKA [1]		NM	RS	80 c						44					HR				K-M1	
K-M2	KONSTRUKTOR-MEKHANIKA [2]		SH	RS		F	M4	d	M4	p --	51	10.0	4.1	4.2	3.9*	HR	FD	7.1	6.1	K-M2	
K M3	KONSTRUKTOR MEKHANIKA [3]		SH	RS		A	M4	s	M3	17*	45	10	4.3*	4.2	3.9	HR	FI*	7.9	6.8	K M3	
K-S	KONSTRUKTOR-SHKOL'NIK		SH ?	RS	50 s?-70 s?					--	36					HR				K-S	
K S	KONSTRUKTOR SHKOL'NIK		SH	RS	90 mk	F	M4	d	M4	--	29	10.0	4.3	4.2	4.0	HR	FN	6.9	7.0	K S	
K I	KONSTRUKTOR SHKOL'NYI		CK	RS	95 k	Fp	M4	o	---	--*	37	10.0	4.3	4.2	---	t	HR	FN*	8.0	6.7	K I
KSB	KONSTRUKTOR STAHL-BAUKASTENLG ?		GE			F		-	---	--	12*	13 ?				*				KSB	
K U	KONSTRUKTOR UNIVERSAL'NYI*		SH	RS	90 ek-	Fp	M4	d	M4	--	41	10.0	4.3	4.3 m	4.0	HR	FN	6.9*	7.0*	K U	
KVT	KON* VOENNAYA TEKHNIKA		SH	RS	95 k	F	M4	o	---	--	27	10.0	4.4	4.5*	---	t	HC	FD	6.9	6.9	KVT
K-I	KONSTRUKTOR-III		SH ?	RS							22					HR				K-I	
KNX	KONSTRUX		SH	GE	46 c-- 50	F	M4	-	---	--	34*	12.0	4.1	---	---	t	HR	FD	8 ?	KNX	
KOP	KOPTOR		ES	US	24 k	L														KOP	
KOS	KOSMOS																			KOS	
KSR	KÖSTER		CR SH	GE	48 --- 51 k	FA	2.5x	-	---	--	52*	6.0	2.5 a	---		HC				KSR	
KRU	KRÜGER		MP ?	GE*		A		-	---	--	18*			---	---	t				KRU	
KUK	KUKO		MP	GD	50 l															KUK	
K B	KWIK BUILDER		MP	BE	50 c?*	F	5/32W	*	-	---	--	26a	13.0*	5.0		4.5	HC	FB	8.0	7.0	K B
KWB	KW Metallbaukasten		SH	GD*	47 --- 48 k	F	M3	-	---	--	19	12.5	3.2 m	---	---	t	HC			KWB	

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	J DAXL	F NB	K MF	A/F	DHD	REF	
LCM LAV	LA CONSTRUCTION MÉTALLIQUE LAVAZZA	BD BR	MM	FR IT	30 m	F		-	---	--	72	12.5	--	--	H					LCM LAV	
LCL L C LTK	L'ÉCOLE LE CONSTRUCTEUR * LECTROKIT	ML LG ES	BD	FR BE US	64 k 46 --- 46 k	F F Ap						66 40 16	12.7 13 * 12.7 x		4.1 4.0 3.6		SR FF HR	FF 9		6.4 ?	LCL L C LTK
LED LKB	LEDOM LEICHTMETALL-KON*-BAUK*TEN	RT MA		NZ GD	45 --- 49 52 c	FB A	5/32W M4	d s	5/32W M4	-- 13 *	21* 41	6.35 * 13.0	4.0 * 4.4	3.3 * 4.1	3.3 3.9		HC AA	8.0	7.4		LED LKB
LJI LJM L M L T	LE JEUNE INGÉNIEUR LE JEUNE MÉCANICIEN LE MÉCANO LE MÉTALLO *	ME ML OO RT	ME	CA BE FR FR																	LJI LJM L M L T
LEO LPA	LEONARDO LE PETIT ARTISAN DE LA MÉC *	MM SH		IT BE	47 k							12.7 p 20									LEO LPA
LPC LPE	LE PETIT CONSTRUCTEUR LE PETIT CONSTRUCTEUR LE PETIT ELECTROTECHNICIEN	BR LG ES	MM BD	FR FR FR	02 k 99 k							12.7 p									LPC LPE
LNV LIL LNG	LES NACELLES VOLANTES LILIENTHAL LIL'N-GINEER	NM LG RT	BD	FR GE CA		F wq Fw		---	---	--	10* 20	25 * 25.4		---		-- -F	-- FF	-- ---	4.4		LNV LIL LNG
LIC LIF L W	L'INGÉNIEUR CONSTRUCTEUR L'INGÉNIEUR FRANÇAIS L'INGÉNIEUR WALTHER	JP TR WA	ML NM	FR FR FR	12 --- 14 32 --- 08 c-- 10 c	F F F						12.7 16	4.1 p 6.35		3.9 p ---	SC t	F				LIC LIF L W
LNK LIO	LINX LIONEL	UK RT		UK US	W2 a-- 47 --- 49	F A		-	---	--		Var 56		---		HR --	FD --				LNK LIO
LAE LE LG LGM	LITTLE ANCHOR ENGINEER LITTLE ENGINEER LITTLE GENIUS LITTLE GIANT MODEL MAKER	RI ML RT DY	RT	UK PO IN US	14 50 s? 92 k																LAE LE LG LGM
L J1 L J2 L J3 L L	LITTLE JIM [1] LITTLE JIM [2] LITTLE JIM [3] LITTLE LEARNER	GT MU MT ER	ER MP CR TR	US US US US	29 --- 32 * 30 *- 31 * 30 *- 31 * 30 *- 31 *																L J1 L J2 L J3 L L
L S LYN LYXa LYXb	LONE STAR LYNNCRAFT LYNX [a] LYNX [b]	UK MP UK UK		UK US UK UK	55 k-- 46 --- 46 --- 47 47 --- 50 s	F A F FA	5BA 8-32 5BA 5BA	* d s p d	5BA 6-32 ---	-- -- -- 23	31 18 22 55	12.7 12.7 * 9.5 * 12.7 *	4.2 4.8 3.5 * 3.8	3.3 * 4.2 ---	3 4.0 3.3 3.3	SR * HR * HR HR	FN FD * FD * FD *	6.5 8.6 6.2 6.2	5.5 7.5 * 5.5 5.5		L S LYN LYXa LYXb
MKT MAB	MAAKEETS MABA	MP LG	BD	SA GE	60 b-- 70 s* 46 c-- 50	F F	5/32x M4				26 * --	86 55	12.7 x 15.0 * 4 *	4.2 *		HC HR					MKT MAB
MNK MHO MCN	MAC ET NICK MACHINO MACON	LG ML MB		FR IN SP	40 l*- 60 s* 40 l*- 60 s* 40 l*- 60 s*	FA FA Fw	3x.6 3x.6	* - p	---	--	100+ 14p	17.0 12.7	4.2 * 4	---	4.0 4	HR * --	FF * --	6.0 * ---	5.8 * ---		MNK MHO MCN
MAD MAF MAG MAJ	MÄDLER'S Metall-Bau-Kunst MAFELL MAGNETO MAJSTER KOWICZ	MM NM OO MP	SH	GE GE GE PO	20 e? 30 s* 30 e 20 e?	F F F F	4x 4x	s s	4x 4x	40 * 40 *	45 45	12.5 12.5	4.0 4.0		4.0 4.0	HC HC	FF * FF *	8.0 8.0			MAD MAF MAG MAJ
MAK MKK MKL	MAKE-A-BIKE MAKE-AND-KNOW MAKSIMKO MAKUMAL	RT ML ? NM RT		US IN ? RS ? US	W2 ap 80 ck 05 k* 28 *-	L Fp wF						12.7 60*			t t	HR -R *	FD FD		7.4		MAK MKK MKL
M Z MLY MSH MAM	MALY INZNIER MALY KONSTRUKTOR MALYSH * M. A. M.	ML SH CK MP		PO PO RS FR	59 kp 84 --- 85 k 80 --- 95 53 k	F F F F	M4 M4	s -	M4 ---	-- * --	24 68 20	12.7 * 10.0 10.0	4.3 m 4.2 m 4.0 m	4.0 4.0 4.0	4.0 4.0 4.0	SC * HR HC	FF FN FF	7.3 7.0	7.1 m 6.8 m		M Z MLY MSH MAM
MFX	MANUFAX	DY		UK	31 --- 47 k	F		-	---	--	76a										MFX
MAR MAA MAC	MÄRKLIN MÄRKLIN AEROPLANE MÄRKLIN AUTO	MA MA MA	MA AS CR	GE GE GE	19 --- 00 * 39 k 33 k-- 53 c	F F F	5/32W 5/32W	d * d *	5/32W 5/32W	38 * --	260* 48*	12.7 Var	4.3 * 4.1	4.0 * 4.0	4.0 4.0	HT * HT *	FB FB	8.0 m 6.2	6.2		MAR MAA MAC

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	DAXL	J NB	F MF	K A/F	DHD	REF			
MAE	MÄRKLIN ELEX	MA	ES	GE	31 --- 62	FB	5/32W		5/32W	38	74	12.7	4.1			HC	B			MAE			
MAI	MÄRKLIN MARBI	MA	MA	GE	33 --- 39	F	5/32W	-	---	38	24	12.7	4.2	---	---	t	HC			MAI			
MAX	MÄRKLIN MINEX	MA	MA	SH	GE	39 --- 45 c	AF	6BA	* s	6BA	* 39 *	110	6.35	2.9	2.9	2.8 p	HC	FB	5.0	4.0	MAX		
M&S	MARKS & SPENCER	ML	CK	UK	05 c-- 09	+* F														M&S			
K N	MASCHINENBAU	NM		GE	30 ---	L				t	--	55	20.0	3.5 p		8.0	HH			K N			
M W	MASSTER KOWIES	OO		PO																M W			
M B	MASTER BUILDER	MP		US	15 c-- 24	? F	8-32	*			32 *	57	12.7	4.2 *		4	SR * FN	8.8	7.6 *	M B			
MBRa	MASTERBUILDER [a] *	MP		UK	46 --- 49	Fp *	1/8W	d	1/8W		40	49*	12.7	4.0	3.9	3.9	SC	FB *	6.4	4.7	MBRa		
MBRb	MASTERBUILDER [b]	MP		UK	49 --- 50	e F	1/8W	d	1/8W		40	57	12.7	4.0	3.9	4.1	SC	FB *	6.4	4.7 *	MBRb		
M_M	MASTER MECHANIC	DY ?		US																M_M			
MBC1	MATCH BOX CONSTR'N* SET [1]	MB																			MBC1		
MBC2	MATCH BOX CONSTR'N* SET [2]	MB		US	30 s?		Fw	---	p	---	--	14	8.7	3.3 m	3.0	3.0	--	--	--	--	MBC2		
MBC3	MATCH BOX CONSTR'N* SET [3]	MB		JA	50 s?		Fw	---	o	---	--	14	8.7	3.4 m	3.3 m	3.1 m	--	--	--	--	MBC3		
MBC4	MATCH BOX CONSTR'N* SET [4]	MB		JA	50 s?		Fw	---	o	---	--	14	8.7	3.4 m	3.3 m	3.1 m	--	--	--	--	MBC4		
MTT	MA TOUR CONSTRUIT	NM		FR	30 s		FA	M4	s	M4	--	40	10.0 x	4.1	4.1	4.0	HR	FF	8.0	7.2	MTT		
MAH	MAXHINA	MP		IN	60 s?		F	1/8W	d	1/8W		53*	12.7	3.4 *	3.4 *	3.2	HR *	FF	6.1	5.1	MAH		
M-F	MAXI-FUN	OO																			M-F		
MAY	MAYKO	ML		IN									12.7 ?								MAY		
MCD	M.C.D.	OO		NE																	MCD		
MBKA	MEBAKA	MP		GE	40 s?		F														MBKA		
MEB	MEBAU	MP		GE	30 s?		FL*	M4	-	---	--	11	Var	4	---	---	SM	F	7	a	7	a	MEB
MECA	MECA	ML		ME	50 sp*		F	7-32	s	5-40	--	27*	12.7	4.7 *	4.1	4.0 m*	SR	FQ	8.8	7.2	MECA		
MBL	MECABEL	SH		BE	40 s?		F	3.5x.8	d	3.0x.6	--	22	10.0	3.9	3.5	3.4	HR *	FK	8.3	6.0	MBL		
M-A	MÉC-AÉRO	AS	p	FR	30 s																M-A		
MCF	MÉCAFER	OO		FR	50 s																MCF		
M L	MÉCA LABO	PR		FR	50 s-- 80 s							180	20.0	5.5							M L		
MAT	MÉCAMOTEUR	OO		FR	60 s?																MAT		
MTO	MÉCANAUTO	CR ?		FR	20 e																MTO		
MCNX	MECANEX	MA		SW	44 *- 48 *-	A	3x					22k	12.7 *	4		4					MCNX		
MEC1	MECANIC [1]	MR	SH	BE	20 s?								12.4	5.0							MEC1		
MEC2	MECANIC [2]	JP	ML	FR	21 --- 23	F	5/32W	s	5/32W		80a	12.7	4.3 *	4.2	3.9 *	SC	BB	6.4	5.4		MEC2		
MEC3	MECANIC [3]		ML	BZ	56 k-- 57	k*					--		12.7	4.2							MEC3		
MEC4	MECANIC [4]		MM	SD	48 --- 62	* F	5/32W	d			37	143	13.0	4.3	4.1		HC				MEC4		
MEC5	MECANIC [5]		LG	GE	48 --- 49	F	M4	d	M4		13 *	51*	13.0	4.2	4.0	4.0	HD	FN	7.9	7.5	MEC5		
MEC6	MECANIC [6]		MP	BE	?																MEC6		
M I	MECANICA INFANTIL	SH		AR	44 --- 55		5/32x				--	63	10.0 *	4.3 *		4.0	HR				M I		
MRC	MECÂNICA RECREATIVA	ML		BZ	W2 ap		F						12.7 p								MRC		
MNT	MECANIKIT	UK		UK	45 ap		F	* 3/16W			--	12*	12.7	4.6		4.0	SR *	FF	9.5 *	8.3	MNT		
MAO1	MECANO [1]	OO		BE ?	50 sk		L														MAO1		
MAO2	MECANO [2]	LG		CO	48 a		F	5/32W	s	5/32W	13 *	30	13.0	4.3	4.2	4.0	SR	FF	8.5	7.5	MAO2		
MVN1	MÉCAVION [1]	AS		FR	28 --- 50	s F	* M3.5				--	55a	Var	3.6	---	3.5	HF	FN	6.0	6.0	MVN1		
MVN2	MÉCAVION [2]	AS		FR	30 sp		F					24e		3.2							MVN2		
MVN3	MÉCAVION [3]	AS		FR	50 sp		FA					28e					HP				MVN3		
MVN4	MÉCAVION [4]	AS		FR	50 sp		F														MVN4		
M-B	MEC-BRAS	ML		BZ	60 c-- 65	c F	5/32W	d	5/32W	38 p	80*	12.7	4.1	4.1 m	4.0 *	SR	BB	6.4 p	7.2		M-B		
M-N	MECCA-MINI	OO																			M-N		
MNO	MECCANICO	BR	MM	IT	W2 a																MNO		
M O	MECCANICO ITALIANO	BR?	MM	IT																	M O		
MCO	MECCANO	MC	MC	UK	07 --- 09	+ F	5/32W	† d *	5/32W	† 38 *	400*	12.7	4.3 *	4.1	4.1	SC	FB *	6.4 *	5.5 *		MCO		
MCA1	MECCANO AEROPLANE [1]	MC	AS	UK	31 --- 41	F	5/32W				--	132	12.7 x	4.2			SD	FM			MCA1		
MCA2	MECCANO AEROPLANE [2]	MC	AS	UK	32 --- 41	F	6BA				--	24	Var				HC	FN			MCA2		
MCE	MECCANO ELECTRICAL	MC	ES	UK	20 --- 28		6BA	-	---	--	16*	---	---	---	---	---	SC		6.4		MCE		
MCC	MECCANO ELECTRONIC	MC	ES	UK	70 --- 78	p	5/32W	-	---	--	14	12.7 x		---	---	---	SC	FQ	6.4	5.6	MCC		
MCT	MECCANO ELEKTRIKIT	MC	ES	UK	62 *- 70	* pL	5/32W	d	5/32W	--	49*	12.7	4.2	4.1	4.1	SC	FQ *	6.4	5.6		MCT		
MCK	MECCANO ELEKTRON	MC	ES	UK	33 --- 40		6BA				--	87	Var		---	---	SC *		6.4		MCK		
MCGa	MECCANO - GILBERT [a]	MU	MP	US	30 --- 33	F	8-32	s	6-32	* 24	196*	12.7	4.3	4.1			SR				MCGa		
MCGb	MECCANO - GILBERT [b]	MU	MP	TR	US	34 --- 36	c F	8-32	s	6-32	24	80e	12.7 x	4.4 *	4.1	3.9	SR *	FN	6.4	6.5	MCGb		
M-K	MECCANO - MÄRKLIN	MA	MC	MA	GE	12 c-- 14	F	5/32W		5/32W			12.7	4.2							M-K		
MMA	MECCANO MECHANISED ARMY	MC	MC	UK	39 --- 41	Fw	5/32W	d	5/32W	--	47	12.7 x	4.3	4.1	4.1	SC	FK	6.4	5.5		MMA		
MCM	MECCANO MEXICO	MC		ME	71 --- 73	k F							12.7 p								MCM		
M-M	MECCANO-MORECRAFT	MU	NM	US	34 --- 36	F	8-32	s *	6-32	24	64	12.7 *	4.3			SR *					M-M		
MMC1	MECCANO MOTOR CAR [1]	MC	CR	UK	32 --- 41	F	6BA				--	71	Var				HC				MMC1		
MMC2	MECCANO MOTOR CAR [2]	MC	CR	UK	33 --- 41	F	6BA				--	30	Var				HC				MMC2		

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	DAXL	J NB	F MF	K A/F	DHD	REF
MCR	MECCANO RADIO SET	MC	ES	UK	22 --- 30	Lp	5/32W			--	44	12.7	4.2			HC				MCR
MSP	MECCANO SPACE *	MC	AS	UK	79 --- 84	Fp	5/32W	-	---	--	39	12.7	4.3	--	--	HR	FQ	6.3	6.2	MSP
MSN	MECCANO SPAIN		MC	SP																MSN
MCU	MECCANO from Elizabeth U.S.A.	MU	MC	US	22 --- 30	F	7-32		5/32W	* 38		12.7	4.3			S	F			MCU
MCW	MECCANO 'WIDE BEAM'	MU	TR	US	32 *- 36	c F	8-32	p*-	---	--	13a	12.7 x	4.3	--	--	t* SR*				MCW
MCX	MECCANO X	MC	TR	UK	32 --- 38	F	5/32W	-	---	--	16	6.35	4.1	--	--	t SC	F			MCX
MHM	MECHAMO		NM	JA	05 ---															MHM
MNC1	MECHANIC [1]	WS	CH	CN	93 *- 97	F	M4	s	M4	--	46a	12.5	4.4	4.4 m	3.9*	Hr	FN	6.9	6.2	MNC1
MNC2	MECHANIC [2]		CH	CN	03 k															MNC2
MCH	MECHANICA		OO	GE	20 s?															MCH
MCL	MECHANICAL		MM	IN		F	5/32W	s	* 5/32W	--	39	12.7	4.3	4.3*	3.9	HR*	FI	8.0*	5.9*	MCL
MME	MECHANICS MADE EASY	MC	MC	UK	01 --- 07	F	5/32W	k	---	38	37	12.7	4.3	4.1		SC	FB	* 6.4	5.7	MME
MCS	MECHANICUS *		DY	GE	*	F	M3	s	M4	--	16		3.1	3.0	2.6*	HC	BB	6.0	5.5	MCS
MHK1	MECHANIK [1]		MP	GE	50 cp	A	?									SC				MHK1
MKA	MECHANIKA		HA	HU	50 s?- 85	k A	M3	d	M3	--	46	15.0	3.5	3.6	3.3	HT	FD	6.2	5.0	MKA
MAL	MECHANIMALS		NM	JA	78 k--	F	* M3	-	---	--	56a	Var	3.0*	--	--	Hp	FN	5.4	5.3	MAL
MNX1	MECHANIX [1]		ML	NZ	40 l-- 50	e F	5/32W	s	5/32W	--	21	12.7	4.2	4.4*	4.0	SC	FB	8.0	6.1	MNX1
MNX2	MECHANIX [2]		MM	IN	94 --- 99	+ F	5/32W	s	* 5/32W	--	39	12.7	4.3	4.3*	3.9	HR*	FI	8.0*	5.9*	MNX2
MNX3	MECHANIX [3]	WS	CH	CN	98 *- 00	+ F	M4	s	M4	32	52	12.5	4.3	4.5*	4.0*	Hr	FN	7.0	6.5 m	MNX3
MRX	MECHANTRIX		ML	CA	02 --- 09	+ F	5/32W	* d	* 5/32W	*	150	12.7*	4			SC	FB	6.3	6.0	MRX
MRA	MECHATRONICA		PR	NE	92 c-- 94	c F	M4	d	M4			12.7*	4.2	4.1	4.0	HC	FN	7.0	5.5	MRA
MHB	MECH-BUILDER		ML	CN	99 ck	F	5/32W	p	*		40*	12.7	4			SC	FQ			MHB
MEO	MECO		DY	GE	33 *-															MEO
MTH	MECOTECH	WS	CH	CN	92 k	Fp	M4	-	---	--	27	12.5	4.4*		2.6*	Hr	FN	6.9	6.3 m	MTH
MKS	MEHANISKAIS KON* SKOLENS	SH	ML	RS	87 k?- 90	k F	M4	k	* ---	25*	60	12.5	4.3	4.4	4.0	HR	FQ	7.1	7.0	MKS
MHA	MEHANOTEHNIKA		ML	YU	50 s-- 74	k F	M4	d	M4	24*	201	12.7	4.2	4.2	4.0	SC				MHA
MHE	MEHANO(TEHNIKA)* Electrical	ES		SL	* 52 p-- 09	+ Fp	M4	-	---	--	40+	12.7	4.3*	--	2.0*	ST	FQ	6.9	5.9	MHE
MEH	MÉKA		OO	FR	50 s															MEH
MEK1	MEKANIK [1]		LG	GE	49 --- 63	c* F	M4	d	M4	25*	122	13.0	4.2	4.0	4.0	HD	FN	7.9	7.5	MEK1
MEK2	MEKANIK [2]		MM	SD	48 --- 62	F	5/32W	d		37	143	13.0	4.3	4.1		HC				MEK2
MEK3	MEKANIK [3]		SH	VE	87 k	F		p		--	24	10.0	4.7	3.3		SC				MEK3
M A	MEKANIK LÁDA	WS	CH	SD	93 *	F	M4	s	M4	--		12.5	4.4	4.4	3.9	Hr	FN	6.9	6.2	M A
MKO	MEKKANO		TR	IC	50 s						*	30a			t	HC				MKO
M_X	MEKNEX		ML	AR	05 k--							26								M_X
MEKO	MEKO		ST	GE	? 47															MEKO
M-S	MEK-STRUCT		ML	HK	94 --- 97	c F	M4	s	M3	--	62	12.7	4.2 m	4.1*	4.0	St	FQ*	7.0 m	6.6	M-S
MKX	MEK-TRAX		ML	HK	96 --- 97	c F	M4	s	p M3	p --	57	12.7	4.2 m	4.1 p	4.0	St	FQ*	7.0 m	6.6	MKX
MTR1	MERCATOR [1]	MR	LG	BE	40 s-- 49	k F	M4	s	M4	* 25*	95	13.0*	5.0 m	5.1 m	5.0 m	HT*	FB*	8.0*	6.7*	MTR1
MTR2	MERCATOR [2]		MP	BE	40 l?- 50	e? F	5/32W	? d	3x40tpi		30*	12.7*	5.0 m		4.5	HR	FF		8.0	MTR2
MER1	MERKUR [1]	ME	ME	CZ	25 --- 11	+ F	M3.5	s	M3;M4	30	119*	10.0	3.9	3.8	3.7	HC	FF*	5.9	6.0*	MER1
MEA	MERKUR ALFI	ME	ES	CZ	93 k	Fp	M3.5;3.2		M3	p --		69*				HC				MEA
MEE	MERKUR ELEKTRO	ME	ES	CZ	-- 09	+ Fp				--	83	10.0	3.8			HC				MEE
MES	MERKUR ELEKTRUS	ME	ES	CZ	33 *-							10.0	3.8			HC				MES
MEM	MERKUR METROPOL	ME	BD	CZ	30 s?- 64	a F	M3.5	-	---	--	40*	10.0	3.9			HT	BB	6.0	5.6	MEM
MER2	MERKUR [2]		MA	GE	p															MER2
MTB	METAALBOUWS		OO	NE	?															MTB
MLE	METAAL CONSTRUCTIE SET		CH	NE	03 k	F	M4	s	M4	32	45	12.3	4.4	4.2	4.0	Hr	FN	7.9	6.0	MLE
MBA	METABA		SH	GE	W2 ap	F	M3	-	---	--	12*	10	3.2		t	HK	FF*			MBA
M D	META BUILD		SH	IN	89 --- 93	+ Fp	M4	p	---	--	30	10.0	4.3	3.8*	4.0	Hk	FQ	6.9	6.6	M D
MTCM	METACOM		OO	GE	20 s?															MTCM
MTN	METACON		ML	NE						--	31	12.7 p				SC				MTN
MLX	MÉTAFLEX		SH	FR	40 l-- 60	s A	3x.6	d	3x.6	--	46	10.0	3.2	3.2	3.0*	HT	AA*	5.0	5.4	MLX
M R	METAL BUILDER	CK	CK	UK	94 --- 97	c F	M4	d	M4	-- *	70a	10.0	4.2	4.1	4.0 t	HC	FN	6.9	6.9	M R
MCB	METAL CON* AND B'G* OUTFIT		ML	UK		A					12*	12.7	4.2 p		-- t					MCB
MFT1a	METALCRAFT [1a] Aero *	MT	AS	US	27 --- 40	* F	6-32	-	---	--	101*	Var	3.9 m	--	--	HR	FD	7.9		MFT1a
MFT1b	METALCRAFT [1b] Train	MT	CR	US	27 c-- 40	* F	6-32	-	---	--	49	Var	3.8*	3.2*	3.1	HR	FD	6.2	6.4	MFT1b
MFT2	METALCRAFT [2]		UK	UK	57 k	F	4BA	d	4BA	--	20	12.7	3.9	3.9	3.7*	SR	FB	7.9	6.3 m	MFT2
M C	METALEN CONSTRUCTIE	TE	ML	BE																M C
MLN	METALIN		MP	CL	?* 50	a														MLN
MTLa	METALING [a]		ML	SP	33 --- 35	F	5/32W		5/32W	38	183	12.7	4.2			SC				MTLa

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	DAXL	J NB	F MF	K A/F	DHD	REF		
MTLb	METALING [b]		ML	SP	69 --- 73 k	F	5/32W	d	5/32W	38	260	12.7	4.2	4.1		SC	FQ			MTLb		
MTX	METALIX		TR	BE		F	3.5x.8	-	---	--	14a	7.8	3.6	---	---	t	HT	FB	6.5	6.3	MTX	
METALLBAUKASTEN																						
M N1	METALL BAUKASTEN		OO	GE	30 s	F					50+	12.7	4.1							M N1		
MBN1	METALL-BAUKASTEN [1] *		LG	GD	70 s*	F	M4	d	M4	13 *	69	12.8	4.2	4.0	4.0	HC	FN *	7.0	5.9	MBN1		
MBN2	METALL-BAUKASTEN [2]		SH	GE	20 m?	F	M4	-	---	--	17	12.5 *	4.4 m	---	4.0	HR *	FF	7.0	6.8 *	MBN2		
MBN3	METALL-BAUKASTEN [3]	AK	ST	GE	W2 a	L		o	p	---		12.5 *				t				MBN3		
MBN4	METALLBAUKASTEN [4]		MP	GE		L										HC				MBN4		
MBN5	METALL-BAUKASTEN [5]		MP	GE		A	?				13	?	*		SC					MBN5		
MBN6	METALLBAUKASTEN [6]		LG	GE	*	A	M5	-	---	--	23	15.0	5.0	---	t	H-	A-	L	---	MBN6		
MMB	METALL BAUKASTEN mit B-M *		SH	GD	58 --- 60 e	F	M4	o	---	25 *	65	12.6 *	4.2	4.1 *	---	t	HC	FN	9.1 m	6.8	MMB	
MBK	METALLBAUTECHNIK	KR	MA	GD																MBK		
MIC	MÉTALLIC		SH	FR	10 --- 18 c	F					24*	10	2.7							MIC		
MLC	METALLICO		ML	SL	95 k	F	M4	d	M5	42 *	73*	12.7	4.3	4.1	4.0 m	S _b	FQ	6.9	6.4	MLC		
MJA	METALLIRAKENUSSARJA		SH	FI	93 k- 97 +	F	M4	k	*	---	--	58	12.5	4.3	4.4	4.0	HR	FQ	6.9	6.9	MJA	
MLI1	METALLIX [1]		LG	GE	50 s	AF	M4	-	---	--	22	14.0	4.0	---	---	t	SC	FF	8.0	MLI1		
MLI2	METALLIX [2]		TR	GE	08 c- 09 +	F	M3.5	d	p	M3.5	33 p	50	*	*		t	HC	FK		MLI2		
MLO1	MÉTALLO [1]		RT	BE		L					--	20	---	---	4	p	-	---		MLO1		
MLO2	MÉTALLO [2]		SH	MA	DE	30 s	F				38 e	80a	12.5	4		HC				MLO2		
M-L	MÉTALLO-BILER		OO																	M-L		
M-O	MÉTALLO-MOTOR		OO																	M-O		
M-T	MÉTALLO-TECHNIC		RT	FR	--- 60 s															M-T		
M T	MÉTALLO TRIGON		NM	GE	13 --- 26 c	F	M3	s	M2	*	---	35	12.5 *	3.2 *	2.9	2.9	HH *	FF *	6.0 *	6.0 *	M T	
MLS	MÉTALLUS		MA	GE	00 --- 11 +	F	M4	d	M4	38	1000*	12.7		4.1	4.0	CH *	FK *	7.9	6.9	MLS		
MMS	MÉTALMASTER		DY	UK	46 *	F	5/32W	?	t	5/32W	?	11	---	4.0 *	4.1	4	p	HC		6.4 a	MMS	
MLS	MÉTAL MASTER		NM	US	44 k	L														MLS		
MÉTALMEC OPSET																						
MLR	MÉTALOR		SH	BE	50 s							12.0	3.5			HC				MLR		
M-X	META-LOXO		RT	UK	14 ---	wA				--										M-X		
MLK	MÉTALTECHNIK *		CK	HU?		Fp						10	p							MLK		
MLU	MÉTALU *		GE	NM	FR	40 l- 50 s		---	---	--		---				---	---	---	---	MLU		
MTK	MÉTALWORK		MP	UK	46	Ap	?	1/8W	d	1/8W	40	49	12.7	4.0	3.9	3.9	SC	FB	6.4	4.7	MTK	
MWS	MÉTAL WORKSHOP		DY	US	37 c?	F						6								MWS		
MTM	MÉTAMECH		SH	IN	95 k	Fp	M4	p	---	--	30	10.0	4.3	3.9 *	3.9	HC	FD	7.0	6.6	MTM		
MTA	MÉTAPLAN		HA	HU		A	p			--	61	15	xe			R				MTA		
MOR	MÉTEOOR		TR	NE	W2 a															MOR		
MET	MÉTÉOR		SH	AS	46 --- 68	F	M3	s	M3	60	150	8.0	3.5	3.5	3.4	HT	FF	5.4	5.5	MET		
MEU	MÉTÉOR AUTOBAU		CR	AS	W2 a-	F	M3	s	M3	--	46	8.0	3.5	3.5	3.4	HT	FF	5.4	5.5	MEU		
M K	MÉTÉOR ELEKTRO		ES	AS	W2 a-	F	M3					8.0	3.5							M K		
MBD	MÉTTABUILD		BD	NM	UK	29 --- 31 p	F	---	p	---	--	35	---	---	---	*	3.2 *	---	---	---	MBD	
MEW	MEWEKA		DY	GE	53 --- 60 c	A														MEW		
MEX	MEX		LG	UK	33 --- 35 k	F	.140x32	*	e	---	--	14	13.0 *	3.6	4.5	---	t	HT	FB	6.4	6.2	MEX
MFC	M F C		TR	GD	58 k?	A	M4	s	M3	--	45	11.2	4.5	4.3	4.0	HC	AA *	7.0	6.2	MFC		
MKY	MICKEY MOUSE		MP	US	48 *	A	8-32	s	6-32	--	18	12.7 *	4.8		4.0	SR	F	8.7		MKY		
MMG	MICRO-MECANO "GUINA"		MB	SP	35 --- 39	F	---	-	---	--	13	15.0	2.1	---	2.0	---	---	---	---	---	MMG	
M M	MICUL MECANIC		MP	RO	--- 70 s															M M		
MIG	MIGNON		SH	GE	45 --- 53	A	* 2.6x.45	s	2.6x.45	32 *	150	6.0	3.1	3.1	3.0	HC	BN	4.5	4.0	MIG		
MGS	MIGROS	SK	MP	SW	69 --- *	A	5/32W	d	5/32W	--	28	12.7	4	4.1 p	4.0	HT	BB	7.0	5.5	MGS		
MIA	MIKLA		RT	GE	40 s?	wF														MIA		
MIK	MIKRONO KONSTRUKTIONSSPIEL		OO	GE	18 ---															MIK		
MIL	MILANA		ML	IN	60 s?	*				--	25					SC				MIL		
MIO	MILO		LG	p ML	GE						15	13	?							MIO		
MIN	MINIATOR		MR	SH	BE		F	3x.6	s	3x.6	51 p	101	8.0	3.0	3.1	3.0	HC	BB *	6.0	5.0	MIN	
MUR	MINIATUR		WA	SH	GE	14 --- 38	F	1/8W	p	---	--	26	10.0	3.2	---	---	t	HC		5.8 *	5.5 a	MUR
MTC	MINITECH		SH	FR	50 sp- 60 sp	F	2.5x	d	2.5x			38a	9.5	2.5		2.5	HC	FB *	4.2		MTC	
MYA1	M K A [1]		TR	GD	50 s	A	M4	s	M3	--	44a	11.2	4.5 *	4.1 m	4.0 *	HR *	AA	7.0 *	7.0	MYA1		
MYA2	M K A [2]		SH	GD	*	A	M4	s	M3	--	31*	11.2	4.5 *	4.1 m	4.0	HH	BB *	8.0	8.0	MYA2		
MOA	MLADOST *		SH	BU	--- 90 s		M4; M3	*			32 *	71*	10.0	4.3 *		3.6 *	HC			MOA		

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	DAXL	J NB	F MF	K A/F	DHD	REF
MDY MOB	MLODY MOBILO		OO RT	PO FR	19 --- 20 s	F	---	-	1/8W *	--	10 ---	---	3.2	3.0	-S	FF	---	3.6		MDY MOB
MLB M E	MODEL BRIDGE MODEL ENGINEERING		MP RT	UK NZ	14 ck 45 --- 49	F FB	5/32W	d	5/32W	--	7 21*	12.7 x 4.3 6.35 * 4.0 *	4.3 3.3 * 3.3		SC					MLB M E
M-I MDTa MDTb	MODEL-IT MODELIT [a] MODELIT [b]		ML ML SH	AL US US	50 s 10 l*- 20 e 20 s?	F F F	5/32W 8-32 8-32	p s s		-- 38 38	51 64 59	12.7 12.7 11.7 *	4.2 4.4 * 4.5		4.2 4.0 4.0	SC SR FN SR FN		7.2 7.3	7.5 7.5	M-I MDTa MDTb
MDX MDO MDK	MODELIX MODELLO MODELLTECHNIK		ML SH CK	BZ GE GD	05 --- 09 + 19 --- 28 c 90 k*- 92 p	F F F	5/32W			38 p 32 *	65* 36*	12.7 10.0	4.2 e 4.4		4.1 4	Hc HC	FB			MDX MDO MDK
M-Ra M-Rb	MODERN-MORECRAFT [a] MODERN-MORECRAFT [b]		NM NM	US US	37 --- --- 46 k	F F	8-32 8-32	s *	6-32 6-32	24 24	64 62	12.7 * 12.7 *	4.3 4.4 *	4.0 4.0	4.0 m	SR * SR *				M-Ra M-Rb
M S MOL MON	MOKO'S SIMPLEX MOLECKI MONTEUR		RT LG ST	GE* GE HU	 03 --- 04 W2b?	F F F	 M4 	k -	----	-- --	27 26*	Var * 14.0	5 4.0	5 * ---	-S * -- t	HC HC	FQ FQ	7.0 7.0	7.0 7.0	M S MOL MON
MOX1 MOX2 MIX	MONTEX [1] MONTEX [2] MONTIX		MC TR MP TR	SP SP FR	32 --- 37 --- 72 ? 64 k-- 65 k	F F F	 M4 	- s *	----	-- p--	16 31 38	6.35 12.7 7.8	4.1 4.2 3.6	---	--- t 4 p t	HC HF t	FQ FQ	7.0 7.0	7.0 7.0	MOX1 MOX2 MIX
M V MOT	MONT' VITE MOTEC		NM MA	FR GE	32 --- 30 c?- 50 ep	F AF *	M4	- s	----	-- M3	23 48	12.0 a 12.5	3.5 * 4.1	4.2 4.0	t 4.0	H- HR	FF AA *	7.2 * 7 *	7 *	M V MOT
MJY MOW MRM M'K	MOUNTJOY MÖWE (or MOEWE) MR MECHANIC M'TEK		ML LG MM ML	SA GE IN IN	70 s-- 80 s 46 c-- 50 c 98 k 08 *- 11 +	 F F F	 M4 5/32W 	 d	 5/32W	-- --	40* 55* 30	12.7 p 13.0 m 12.7	4.3 * 4.3 * 4.2	4.1 m 3.9	3.9 4 p	S ST HC	FN FI	8.0 7.9	6.7 * 6.9	MJY MOW MRM M'K
M-C MMK	MULTI-CONSTRUCTIONS MULTI-MAKE		OO OO	FR FR	46 c 10 m															M-C MMK
MUC MMR MMO	MULTIMÉCOS MULTIMOTEUR MULTIMOTORE		OO ES ES	FR FR IT	50 s 38 --- 53 47 c	 FB FB	2-4.5mm *			34 *	198	18.0	4.6	---	3	HV	*	*		MUC MMR MMO
MUS MWK	MUSALA (MUSZALA in MCS/NZ) MWK		ME SH	BU GD	77 p-- 80sp W2a- 50 c? A	F A *	M4	s	M3	-- *	38 36a	10.0 12.1	4.1 4.1	4.1 * 3.4 *	3.4 * t	HR H	FN H	6.9 6.7	6.7	MUS MWK
NAV NECa NECb	NAVIGO NECOBO [a] NECOBO [b]		OO MM MM	FR NE NE	50 e 50 s-* --- 60 s*	F F F	5/32W 5/32W	d d	5/32W 5/32W	25 * 38	126 201	12.7 12.7	4.5 4.5	4.1 * 4.0 *	4.1 p 4.1	HC ST	BB FB	8.0 6.4	6.0 6.0	NAV NECa NECb
N-S NGN	NEO-STRUCTOR N-G-NEERO		OO DY	FR UK	p 31 k-- 34 k	F	M3,4BA	* s	1/8W	39	41	10.0 w	3.6	3.4	3.5	HF *	BB *	6.0 *	5.0 *	N-S NGN
N B NME NWD	NOMA BOOMTOWN NORELCO MECH* ENGINEER NORWOOD NORWOOD		RT PH PH NM	US US US	46 --- 60 s US	F p F	10-32 ---	s c	5-40 ----	* -- 15 *	43 54	12.7 15.0	5.1 5.0	5.0 3.2 *	4.7 3.0 *	HF * -- --	FB -- --	9.4 ---	7.7 * ---	N B NME NWD
NSF NSV	N S F N.S.V.		SH OO	NE NE	W2 a NE	FA	M4	d	M4	38	76	12.5	4.8	4.1	4.0	HC	FN			NSF NSV
OKH OLY OMO	OKEH - Der Kleine Baumeister OLYMPIA OMOCHIYA		OO SH OO	GE GD JA ?	50s 49 --- 55 JA ?	L F	M2	d	M2	--	36	7.0	2.2	2.1	2.0	HC	FF *	5.5	3.8	OKH OLY OMO
ONA	ONADO ONbITOB		UK	UK	50 s-- 60 s	F	5/32W	* s	5/32W *	--	34	12.7	4.1	4.0	4.0	HC *	FF	7.9	6.3	ONA
OPM O L O M OPT	O PEQUENO MECÂNICO OPSET LETRIXMEC OPSET METALMEC OPTIMEC		TR ES ML OO	BZ ? IT IT GE	 --- 70 k 80 s-- 90 s	L L F	 M4	 s	 M4	-- --	 42*	12.7 p 12.7	4.1 4.1	4.1 4.0	4.0	HC	FK	8.0	6.8	OPM O L O M OPT
OGN ORS	OREGION ORSTA		MA CK	CA GD	90 k*- 92 p	F	M4	* s		--	27	10.0	4.2		4.0 t	HC	FN	6.9	6.9	OGN ORS
PDC PAJa PAJb	PA-DI-CA-CO PAJTÁS [a] PAJTÁS [b]		DY ES MA	UK HU HU	21 k 62 c 66 k?	Z Fp	---	s	8BA	40 --	8 78	--- 12.7 ? 12.7 ?	4.1 4 p	---	--	--	--	--	--	PDC PAJa PAJb

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	DAXL	J NB	F MF	K A/F	DHD	REF	
PAL	PALIKIT		UK	UK	50 s-- 64	Fp	* 4BA	d		--	35	12.7	3.9	3.9	3.7	HR*	FB	7.8	6.4	PAL	
PIM	PEQUEÑO INGENIERO MECANO		ML	UR	40 s-- 50 s							12.7 e	4.1							PIM	
P N	PÈRE NÖEL																			P N	
PER	PERFECTOR		LG NM	AS	47 --- 50 s*	F	---	o*	---	14*	51a	15.0	5.4*	3.2	3.1	--	--	---	---	PER	
PEU	PEUGEOT		NM	FR																PEU	
PEX	PEX		OO	AS ?	10 s															PEX	
PDA	PFEIDA		SH	GE	W2ap	F		t		--	14*	12.5	4.2		3.9	SC*				PDA	
PFS	PIFFIKUS		SH	GE	30 s	F		-	---	--	20+	12.5*	4.5	---	---	t				PFS	
PHA	PHANTASIE		LG	GE	23 --- 36	F	---	p	---	--	21	15.0	5.1	5.1	5.2*	--	*--	*--	---	PHA	
PME	PHILIPS		PH PH	NE	60 s	p	---	c	---	15*	61	15.0	5.0	3.2*	3.0*	--	--	---	---	PME	
PLC	PHILOPTIC		ES	FR	50 s-- 60 ep	A		-	---	--	60*	---	--	--	--					PLC	
PIC	PIC		OO																	PIC	
P E	PICO ELEKTRIK		ES	GD	70 s-- 80 s															P E	
P S	PIENI SÄHKÖTEKNIKKO		ES	FI	99 k															P S	
PKO	PIKO		ES	GD	50 s?-60 s?	Ap	M3	-	---	--	44	10.0	3.2*	4.1*	3.0	HC	FQ	5.5	5.4	PKO	
PIN	PINIT		NM	UK	21 *- 30	wF	---	o	---	--	120*	12.7*	1.6 a	1.7	1.5*	--	--	---	---	PIN	
P-I	PIN-IT *		NM	UK	30 --- 32 k	wF	---	-	---	--		6.35*	2.2*	2.1	1.9*	--	--	---	---	P-I	
PIO	PIONEER		UK	UK	57 k	F	4BA	d	4BA	--	21	12.7	3.9	3.9	3.7	SR	FB	7.8	6.4	PIO	
PNR	PIONIER		MA	GD	55 --- 60 k	F	M4	s	M3	15*	43	12.7*	4.3	4.1	4.0	HC	FK	7.0	7.0	PNR	
P R	PIONIER CONSTRUCTOR		SH ?	RO	60 s?	L	M4		M4	--	33					HR				P R	
P C	PIONIERUL CONSTRUCTOR		SH	RO	70 s	F	M4	s	M4	--	27*	12.5*	4.1*	4.3	4.0	HK	FP	6.9	7.3	P C	
PIR	PIONIR		BD	GE	03 --- 05	F	---	-	---	--	32	---	---	---	---	--	--	---	---	PIR	
PIT	PITT		MK ST	GE	48 c-- 65	F	M3	-	---	--	30	12.5	3.3	---	---	t	HT	FN	5.4	5.4	PIT
PLA	PLANO		LG	IN	61 c-- 90	F	1/8W	d	1/8W	38	99	13.0*	3.8*	4.2*	3.2*	HR*	FF	6.3 m	5.0 m	PLA	
PLT	PLASTICART, PLASTIKART		LG	GD	80 cp-80 s	F	M4	d	M4	13*	70	12.8	4.2	4.0	4.0	HP	FN	6.9	8.0	PLT	
PSN	PLASTICON		SH	GD	80 m?-87 c	F	M4	d	M4	25*	71	10.0	4.2	4.0*	4.0	HA	FN*	6.9	7.9	PSN	
P B	PLEASURE BEACH																			P B	
PNC	PNCA		SH ?	BZ	04 ?-- 09 +	F					40	10 ?			t?	HR?				PNC	
POL	POLYKO		SH	GD	50 s?-60 s?	F	M4	p t	M4	? --	16	12.5	4		4	HC				POL	
PLY	POLYLONG		CK	CN	03 --- 09 +	F	M4	p	---	25*	50a	10.0	4.2	---	4.0	Hp	FQ	6.9	6.5*	PLY	
PTA	PONTA		SH	GE	W2ap	F	3.8x	-	---	--	18	10.0	4.0	---	---	HK*	FK	8		PTA	
PFX	PONTIFEX POWR HOUSE		SH	GE	W2a	FA	M4	-	---	--	24	10.0 x	4.3	---	4.0	SH*	FD*	7.3 m	6.8	PFX	
PRM	PREMIER		UK	UK	50 l?- 60 k	F	4BA	d	4BA	--	63	12.7	4.6 m	4.0	4.0	SR*	FF	7.9	6.3	PRM	
P-F	PRESS-FIX		UK	UK	57 c-- *	F	---	-	---	--	14	12.8*	4.7	4.6	4.7	--	--	---	---	P-F	
PCN	PRESTACON		DY	UK	47 --- 50	A	1/8W	p d*	1/8W	38	81	12.7 w	3 *	3.3	3.2	SR*	FF	6.4*	4.8*	PCN	
PMX	PRIMEX		OO	FR ?																PMX	
PRI	PRIMUS ENGINEERING		BU UK	UK	13 *- 26 c	Fw	5/32W	s	1/8W	* 38	97*	12.7	4.1	4.1*	4.0	SC	FC	6.4	5.9*	PRI	
PRL	PRIMUS LOCOMOTIVE		BU CR	UK	23 --- 26 c	F	5/32W	s		* 38	16	12.7	4.1			SC				PRL	
PMC	PRIMUS MOTOR CHASSIS		BU CR	UK	20 --- 26 c	F	5/32W	s	1/8W	* 38	36	12.7	4.1	4.1*	4.0	SC		6.3		PMC	
P W	PRINCE WILLIAM		CR NM	UK	50 ep	F	4BA	-	---	--	20*	Var	3.9	6.4	6.3	HR*	FK*	7.8	6.2	P W	
PTO	PRONTO-INGENIEUR		OO	GE	63															PTO	
PRO	PROTO		PR	UK	60 c-- 05	F	M3	d*	M3	36*	103	14.0 x	3.5	6.0*	6.0*	HC*	FN	6.3*	4.8*	PRO	
PRA	PROTOTYPIA		PR RT	FR	60 s-- 70 l	A	?													PRA	
PYF	PYFYLY		RT	FR	16 *- 22 k	Bw	---	-	---	--	76*	---	---	1.8	1.7	--	--	---	---	PYF	
PYG	PYGMÉE		NM	FR	20 k-- 20 s	F					8	a	3 a							PYG	
P K	PYTHAGORAS KONSTRUKTIONSSPIEL		OO	GE	16 ?--															P K	
QGP1	QUELLE GOOD PLAY [1]		TR TR	GE	90 e-- 97 c															QGP1	
QGP2	QUELLE GOOD PLAY [2]		CK CK	GE	96 c-- 97 c	Fp	M4	s	M4			10.0	4.2			HC	FN	6.9	6.9	QGP2	
QGP3	QUELLE GOOD PLAY [3]		ML	GE	98	F	M4					12.7	4.2 m							QGP3	
QCK	QUICK		SH p	GE		L														QCK	
R S	RADIO SHACK																			R S	
RBO	REBO		TR	US		A	6-32	-	---	--	16	7.8	3.6	---	---	t	HP	FN*	6.3	7.3	RBO
RCD	RECORD		MP	GE	50 e	L	M4; M8		M3	--	52	12.7 a	4		4 *	HR				RCD	
RKD	REKORD		LG	GE		F						13.0	5.0							RKD	
REX	REX		ML	SD	W1 bp	L														REX	
RHO	RHOCANO		ML	RH	75 ck	F	M4	d	M4	--	26*	12.7	4.3	4.0	3.9	ST	FD	7.4	6.7	RHO	
RIG	RIAG		TR	GE	40 l*	A	M3	-	---	13*	53	10.0	3	---	t	HC	FF	5		RIG	

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	J DAXL	F NB	K MF	A/F	DHD	REF	
	R.M.																				
RBA RDS	ROBA ROBBEDOES	FL TE	RT ML	GE BE																RBA RDS	
ROB RCO ROD	ROBO ROCO RODOPI		RT RT TR	GE GE BU	50 s-- 60 k 49 --- 77 k	Fw A F	---	- M4	* --		12 25 a	4.1* 4.2	4.0		-- --	-- --	HC* FN	6.9	7.0*	ROB RCO ROD	
R K RUR R M	ROSETTA KONSTRUKTIONSSPIEL RUR RUSSIAN MECCANO *		OO SH SH	GE GE RS	16 ?-- W2 a 04 k*	F F		t		--	20 12.0	3.6 m			HC		HC	FD	6.9	6.9	R K RUR R M
SSM SAG SGT	SACHSENMEISTER SAGESSE SAG Tatschmasch *		SH WS CH OO	GD CN GD	48 --- 55 82 k-- 94 c 46 --- 52	FA F A						7.5 3.3									SSM SAG SGT
SKO SAK	SAKO SAKOLO *		SH SH p	GE GE	50 s? 50 s?	F F p	M4	s * M4		--	20a 10.0	4.1	4.1	4.0	HC	FD	6.9	6.9		SKO SAK	
SAT SAX	SATURN SAXONIA		SH CR	GE GD	50 e* 62	FA						12.0 4.1									SAT SAX
SCH	SCHEFFLERS		LG	GD	55 --- 70 c*	F	M4	d M4		13 *	69 12.8*	4.2	4.0	4.0	HC*	FN*	6.9	5.9		SCH	
S&C SHO SUN SKA	SCHMIDT & CO SCHUCO SCHUMANN SCHWERKA		OO ME OO MA	GE GE	27 01 ---	F	M3.5					10.0 3.9			HC						S&C SHO SUN SKA
S D SEL S K SAF	SCIENTIFIC BOUWDOOS SEL'KHOZTEKHNIKA SERVO KITS SEYMOUR AIRPLANE FACTORY		MA SH OO AS	NE RS UK? US	50 s* 70 s-- 80 s UK? US	F L F	5/32W M4	s 5/32W p p		--	48* 12.7	4.2 m 4.1	4.1	4.1	SC* BB*	8.1*	5.1*				S D SEL S K SAF
SCO SMN	SICO SIEMENS		KM NM ? ES	GE GE	32 --- 33 ---	Lw Fw				--		78a 50.0*									SCO SMN
SPX SIM S M	SIMPLEX SIMPLICO SIMPLIFIED MECHANICS		BX RT MC MC	GE UK UK	32 /33- 14 k 07 c	F F F						5/32W	k	38	37 12.7			SC			SPX SIM S M
SKP S-S	SKIPPER TOY SKY-SCRAPER		NM MP	US US	38 k W2 a?	F A	8-32 6-32	- ---		--	20 12.7*	4.3		--	SR FN						SKP S-S
SNP SLD SDO	SNAPSTICKS SOLID SOLIDO		RT LG NM p	UK GE p FR p	48 k 48 k 48 k	F F F p					6 ---	10.1	9.5 a	--	--	--	--				SNP SLD SDO
SON SPD SPI	SONNEBERGER SPEDICON SPIROU/ROBBEDOES *		SH RT TE ML	GD UK BE	48 --- 71 k 45 --- 47 * 50 l?- 70 s	A A s	M4 4BA M4	s M3 t * 4BA	17 * * --		64* 10.0 32 Var	4.2* 4.1 4.0 6.6	4.0	6.4	HF FF*	7.0* 8.0*	8.1	8.1			SON SPD SPI
SPL SGR SSS	SPLINTOFIX SPRANGER S S S *		LG ? SH TR	GE GE NE	33 c*- 55 c* 50 sp	Fw A					40* 12.0	3.9									SPL SGR SSS
SBA1 SBA2	STABA [1] STABA [2]		SH NM	GD GE	48 --- 66 a 49 --- 54	F F	M3 M4	s M3 s M4	34 * *		60a 12.0 81 Var	3.1 3.1 4.1* 4.1	3.0*t 4.0*	HT FN*	5.5	5.4					SBA1 SBA2
STA SLA STL	STABIL STABILA STABIL-ELECTRIC		WA ST WA ST ES	GE GE GE	10 c-- 72 33 --- W2 33	Fw F Fp	5/32W * 5/32W 5/32W	5/32W - --- - ---	14 * -- --		204* 12.5 43 12.5	4.2 m 4.1* 4.2*	3.8 t --- t	HC FB	7.5	6.2					STA SLA STL
SBO SUS SFA	STABILO STABILUS STAFA		OO SH NM ?	GE GE	03 k-- 10 + 40 l	F						10.0 4 a									SBO SUS SFA
SBK S-N1 S-N2	STAHLBAUKASTEN STAHL-BAUKASTEN [1] STAHL-BAUKASTEN [2]		MP MP MP	GE GD GE	48 p W2 a	Fp A	M3	o ---		--	22 10.0	3.3		-- t							SBK S-N1 S-N2
S T S-K	STAHLBAU TECHNIK STAHL(O)-KLEMM *		RT	AS	68 k-- 69 k	F p				--	28				HH						S T S-K
SLR	STANDARD L.R.		NM	FR	30 e*- 50 l	F	5/32W	d 5/32W	38	77 10.0 x	4.1	4.0	4.0	HC	BN	6.0	5.5			SLR	

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	DAXL	J NB	F MF	K A/F	DHD	REF
TEC	TECNIC		LG	BE	44 k-- 70 s	F	5/32W	d *	5/32W	25 *	147	13.0	4.5	4.5 *	4.1 *	SC *	FB *	8.9	6.2	TEC
TCA	TECNICA		MA	IN	98 k	F	5/32W	d	5/32W	15 *	50	12.7	4.3	4.0	3.9	HC	FI	7.9	7.0	TCA
TNV	TECNICAVIA		AS	FR	W2 a	A														TNV
TCO	TECNICO		NM	SW	40 m-- 50 s		2.6x.55	*		--	46	11 *	2.9*	4	4.0	HH	BB	4.0	4.0	TCO
TKT	TECNIKIT		UK	UK	45 ap-	F	* 3/16W	d	4BA	--	33	12.7	4.6	4.3	4.0	HR *	FF	9.9	8.1	TKT
TCN	TECNIO		OO	FR	50 c															TCN
TCR	TECNOR		OO	FR																TCR
TEO	TECO		ST	AR	W2 ap	Fp	5/32W	-	----			12.5	4.2		-- t	HR				TEO
TGB	TEE GEE BUILDER		OO	US	46 k	L														TGB
TEK1	TEKNIK [1]		TR	DE	-- 80 s						85	7.8	3.5		t	HC				TEK1
TEK2	TEKNIK [2]		MP	SD	36 -- 70	F	5/32W	d	5/32W	32	92	12.7	4.2	m 4.0	4.0	SC *	FB	6.4	6.0 *	TEK2
TKO	TEKNIKO		ML	TY	62 a	Fp				--	52*	12.7 p	4			H *				TKO
TKN1	TEKNO [1]		TR	DE	39 k*- 70 s	F	3.5x.8	* d	3.5x.8	36 *	76	7.86	3.6	3.6	3.5 t	HT	FB *	7.0	6.0	TKN1
TKN2	TEKNO [2]		MP	NO	35 k-- 70 k*	F	* 5/32W	d	5/32W		140	12.7	4.2	4.1	4.0	SR	FN	6.3	6.8	TKN2
TKN3	TEKNO [3]		LG	IS	W2 a	Fq	5/32W	s	5/32W	12	137*	13.0	3.9	4.1	m 3.8	HR	FN	8.0	7.0 *	TKN3
TST	TEKNOSET		TR	SD *	35 ?-- 40 s?	F	5/32W	-	----	--	16	7.8	3.9	--	-- t	HC	FN	6.3	6.0	TST
TEM	TEMSI	TE	ML	NE	48 k*- 99	F	M4	d	M4	38	128*	12.7 *	4.2	4.1	4.0	HC	FN	7.0 *	5.5	TEM
TES	TEST		SH	FR	50 s	F	5/32W	s	5/32W	--	36	12.0	4.0 *		3.9 *	HP *	Fs	8.0		TES
TEX	TEXAS		OO	SP ?		L														TEX
TMB	THALE METALLBAUKASTEN	KR	MA	GD	70 *	F	M4		M4	--	28	12.5 p			4.0	HC	F			TMB
TSK	THALE STAHLBAU TECHNIK	KR	MA	GD	46 -- 75	F	M4	d	M4	20 *	64*	12.5 *	4.2 *	4.1	4.0	HC *	FF *	6.9	6.9	TSK
TBB	THE BRIDGE BUILDER		MP	UK	14 ck															TBB
T C	THE CONSTRUCTIONEER		SH	US	46 -- 50 e	F	8-32	s	6-32	16	55	11.1 *	4.7	4.2 *	4.0	HR	FN	8.6	7.6	T C
T E	THE ENGINEER		MP	CA	40 e?-40 s?	F	6-32	* s	6-32	--	43+	12.7 *	5.0 *	4.9	4.7	HR *	FD *	7.9 *	6.2 *	T E
T W	THEIß, WILHELM Jr *		OO	GE	49															T W
TLE	THE LITTLE ELECTROTECHNICIAN		ES	UK	99 k															TLE
TSE	THE SMART ENGINEER		NM	US	p W1 bp	Fw				--	31*	10.3	2.9			H-			--	TSE
TBI	TIBI		ME	SH	HU	70 s?						10	?							TBI
TIG	TIGVALE		OO	GE	?															TIG
TIM	TIM		NM	RT	SWp	49 kp	AF	4x ; 8x	-	----	--	37	--	--	15	15 *	KK *	F	8 *	TIM
TIN	TIN TOWN HIGH RISE		BD	US	98 -- 03 +	F	----	-	----	--	13	--	--	--	--	--	--	--	--	TIN
TIT	TITAN		SH	GE	48 c-- 60 c*	F	M3.5	s	M3.5	34 *	100	10.0	3.5 *	3.4	3.4	HC	FN	6.0	5.9	TIT
T B	TOY BUILDER	GT	ER	US	13 -- 16 k	F	8-32	-	----	--	15a	12.7	4.2		--	SR	FN	9.5	7.5	T B
T F	TOY KRAFT		ML	IN	99 k	F	5/32W	p	----	--	29	12.7	4.2	--	4.0 m	HC	FI	7.9	5.9	T F
TMU	TOY MECCANO UNIVERSAL																			TMU
T P	TOY PLANNER		MP	US	16 ?-- 20 ?	F	8-32	-	----	--	6	12.7	4.8	--	--	SR	FF	8.9	7.5	T P
TOY1	TOY TOWN [1] *		SH	AL	40 c-- 50 c	F	1/8W	-	----	--	5	9.53 *	3.4	--	--	SR	FN	6.3	5.5	TOY1
TOY2	TOY TOWN [2]		ML	AL	45 k	F	5/32W		5/32W	--	26	12.7	4		4	HC				TOY2
T M	TRANC MADERA		LG	SP	40 sk	wF		- p		--	29*	36	6	8		HH	F	10	10	T M
TRI	TRIANGLE		NM	US	47 *-	F	4-40	s	4-40	--	20a	Var	3.0 *	3.2 m	3.1	HR *	FF	6.1	5.4	TRI
TET	TRIC ET TRAC		OO	FR	50 e															TET
T-R	TRI-SECTOR		NM	UK	21 --	F				--	10?	31.8 *	4.7 *							T-R
TRX1a	TRIX [1a]	TR	TR	GE	30 -- 41	F	3.5x.8	p	3.5x.8	p 33	47a	7.8	3.6		t	H				TRX1a
TRX1b	TRIX [1b]	TR	TR	GE	47 -- 68	F	M3.5	d	M3.5	33	50	7.8 *	3.6	3.6	3.5 t	HC *	FB	6.0 *	5.9 *	TRX1b
TRX1c	TRIX [1c]	TR	TR	GE	69 -- 72	F	M3.5	p	M3.5	p 33	72*	7.8	p 3.6	p	t	HT	S			TRX1c
TRX1d	TRIX [1d]	TR	TR	GE	73 -- 99	F	M3.5	d *	M3.5	33 *	84a	7.8	3.8 *	3.6	3.5 t	HC	FB	6.0	6.0	TRX1d
TRX2a	TRIX [2a]	TR	TR	UK	31 -- 40	F	3.5x.8	d *	3.5x.8	* 33	47	7.8 *	3.6	3.5	t	HT	FB	6.5	6.0	TRX2a
TRX2b	TRIX [2b]	TR	TR	UK	46 -- 65	FA	* 4BA	s	4BA	33	50	7.8	3.6	3.6	3.5 t	HT	FB	6.5	5.7	TRX2b
TRX3	TRIX [3]	TR	TR	FR	32 p-- 68 *	F	3.5x.8	d	3.5x.8	33	50	7.8 *	3.6		3.5 t	HD	FD *	6.5	6.0	TRX3
TRX4	TRIX [4] X-ACTO		TR	US	50 c-- 56	F	4BA								t					TRX4
TRX5	TRIX [5]		TR	SP	32 *- 50 ek										t					TRX5
TRU	TRUMODEL	GT	ER	US	29 -- 32 *															TRU
T T	TRUMODEL TOYS		NM	US	24 -- 26	Fw						Var	4.4							T T
TUB	TUBA		RT	GE	33 *- 35 k	Fw	----	-	----	--	23	20.0	5.8 *	5.9	5.5	--	--	--	--	TUB
TPC	TUBEPLAC		RT	FR	50 s*	F	3x	- ?		--	41	Var	3.4			HC				TPC
TUP	TUPO		NM	GE	50 s	Lp		-	----	--	30	Var				H				TUP
UFA	UFSA		TR	IT	30 s?	L					17*	7.8	p							UFA
ULX	ULOX		BX	UK	30 k-- 31 k	F	5/32W	-	----	--	37	13.0 *	4.2 *	--	-- t	HC	FF *	7.5	6.3	ULX

REF	CODES (A for single columns) NAME	B Mfr	C TYPE	D CY	E -DATES-	F Matl	G THREAD	H BS-	G THR'D	DP	I Parts	Pitch	dST	dBS	J DAXL	NB	F MF	K A/F	DHD	REF
ULT	ULOXETTE		RT	UK	52 k		---	-	---	--	10a	---	---	---	--	--	---	---	---	ULT
UMK	UMAKIT		UK	UK	62 *	F				--	39	12.7	4.3 *		3.9					UMK
UCS	UNICUS		OO	GE	24 --- 25	L														UCS
UNI	UNIMETAL		MA	AR	47 k	* L					91	10 *			4.0	R				UNI
UNT	UNISTRUT		RT	US	49 k*	F	1/4-20	-	---	--	11	27.0 *	7.1 *	---	---	* H	FD	*	9.5	UNT
UVL	UNIVERSAL		SH	BE	40 s?-50 s?	F *				--	30	12.5	4.1	---	t					UVL
U T	UNSERE TAKTSTRASSE		CR	GD	60 s?*															U T
USN	USINAUTO		OO	FR	20 l-- 30 s															USN
VSK	VASEK		LG	CZ	--- 60 l	Faq *	M4	d	M4	12 *	143	13.0	4.1	4.1	4.0	HR	FF	7.0	7.0	VSK
	VEB INJECTA																			
VEN	VENTO		PR	UK	90 b?	Fp	M4			25 e	40*	15	4.5							VEN
V F	VERKEHRS FLUGZEUGE		AS	AS	40 k?	L				--	31	12.7 ?*				HC				V F
VSR	VERSOR		MP	RS ?		L					30a									VSR
VEX	VEX		MP	US	05 --- 11 +	F	8-32; 6-32	s	6-32	24	*	4.6 *	3.2 *	3.2 *		Hm	SS *	8.6	7.8	VEX
VIS	VINTIK I SHPUNTIK		SH	RS	89 k	F	M4			--	30	10.0			4 a	HR				VIS
VOG	VOGUE		UK	UK	48 p-- 60 e*	F	4BA	d	4BA	--	35	12.7	3.9	3.9	3.7	HR*	FB	7.9 m	6.4 m	VOG
VLN	VULCAIN		NM	FR	34 k	L														VLN
VUL	VULCANO		ML	IT	30 s?-50 s						27*	12.7				HC				VUL
W I	WALTHER'S INGENIEUR	WA	NM	GE	04 c-- 14	Fw				--	78*	10.3	2.9			H-			---	W I
W-M	WALU-METALL WEHMA		LG	GE	46 k	F	M4.M3(?)	-	---	--	35	15.0	4.2		---	t	HH*			W-M
WMA	WEMA		SH	GE	46 --- 48	F *	M4	d	M3	13	64	10.0	4.2	4.1	3.9	HC	FB	8.0	6.5	WMA
WNK	WENEBRIK		BD	UK	15 --- 30 s	F	---	-	---	--	27	---	---	---	---	--	--	---	---	WNK
WRN	WERNER'S Metallbaukasten		TR	GE	W2 a -	F	p													WRN
WFL	WESTFALIA		LG	GE		F					20a	14.1	4.2							WFL
WEY	WEYCO		PR	RT	UK	60 c	F	M3	d p	M3	36	50+	4		4	H				WEY
WHS	WICHELHAUS, H *		OO	GE	49	A	p													WHS
W-D	WI-DI		SH	GE	47 k	Z	M3	*	-	---	--	23*	6.0 *	3.4	3.5	3.0 t*	HC*	FF	5.5	5.5
WIF	WIFRA		OO	GE																WIF
WIM	WIMA		ML	GE		F	p				11*	12.7 *	4							WIM
WIS	WISDOM		WS	CH	CN	82 k-- 94 c	F	M4	s	M4	--	46	12.5	4.4	4.2	4.0 *	HR	FN	6.9	6.8
WTH	WITHE		MP	GE		F	M4	-	---	--	14	12.7	4.2	---	---	SR	FB *		7 *	WTH
WIT	WITTNER, PAUL RUDOLF * WKOnbhnk		OO	GE	50															WIT
X	X *		MP	SD	30 s-- 40 s	F	5/32W	t		15 a	38	12.7	4.2			HC				X
	YMEAEU																			
YOD	YODER		ES	US	36 --- 57 a															YOD
Y E1	YOUNG ENGINEER [1] / LE J* ING*	ME	ME	CA	78 --- 80	F	M3.5	s	M3;M4	30	49	10.0	3.9	3.8	3.7	HC	F			Y E1
Y E2	YOUNG ENGINEER [2]		ML	IN	97 k	F	5/32W	p *	---	--	32	12.7	4.2	4.2 *	4.0	HC*	FI	7.6	5.9	Y E2
YES	YOUNG ENGINEER'S SET		ML	AL	40 s?	F	5/32			--	28	12.7	4.2 p			SC				YES
YUN	YUNOST'		ML	RS	79 k-- 90 ek	FA *	M4	d	M4	--	73	12.7	4.3	4.2	3.9	HR	FE	7.0	6.8	YUN
Y U	YUNYI KONSTRUKTOR YUNYI UMELETS		ME	RS	82 k		M3			*	47*	10.1 *	4.3 *			HC				Y U
Z-Z1	ZICK-ZACK [1]		WK	TR	GE	30 e-- 38 p														Z-Z1
Z-Z2	ZICK-ZACK [2]		KM	MP	GE	38 ---	F	M4	s *	M3.5		40a	12.7 *	4.4 *	3.9	3.5 *	HF *	FF *	7.0 *	8.0 *
Z-G	ZIG-ZAG		TR	SD																Z-G
ZGL	ZOGEL Metallbaukasten		SH	GE	46 --- 48	F		-	---	--	20	11.9	4.8			H				ZGL

L plus some A-J

COMMENTS

Strips & DAS have cutouts inside edges between holes; joined by bifurcated Clips & N&B. Whl Disc embossed w 8 spokes, or 4 ea sm/lg holes. *Scaled from 7h Strip; 1" from 3h Strip. 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.

Ref: *Baukästen* p328. No details.

Like TRIX but wider range of parts, some of which are as TEKNO [1] & TEKNIK [1]. Chair-O-Planes on manual cover. * May be more, 60 have been mentioned.

Name only.

PÈRE NOËL in MCS. Also known as AÉRO MACREZ NOËL, A- TECHNIQUE, A- TECK NIQUE (error). Some coloured plastic parts in some sets. Ready made, & sets for specific, models may exist.

Development of DAN DARE, with no A/Gs but some new parts to make a range of jet aircraft.

Wooden rods made from semi-circular Rods (6mm rad.) held together, & joined one to another, by steel Clips. *Also patent date. *Wheels run on the ends of 2 Clips, 1 at each side.

* STAHL-LEICHTBAU-KASTEN AKRON. Flex Strips w spiral spring fixing. Strips 3h wide: pattern is 3h, 3x1h w large semi-circular cutouts ea side, 3h, etc. * 2½-3 estimated.

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.

Name only.

PRODUCTIONS. Unit sets with parts identical to CONSTRUCT but smaller range. Axle & N&B data from CONSTRUCT. * 3/8" exactly. * Crank Handle, no Axles.

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.

Unusual parts inc Bakelite Road/Ply Whls, Helical Gear. * c1970 possible. * Mod 1.5, also small-tooth Gears, DP 39e (Mod .65). * 11.5 also reported. * R also shown.

CONSTRUCTION. Strips not square ended as shown. ELGIN parts same. *Std 6BA N&B also known. *Crank Handle only. *Sq Nuts on box. *Nuts BB, not F as in Parts List.

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.

Ridged & flat Plates. cf CASTLE BUILDER. Spanish version EL CONSTRUCTOR DE MODELOS MECÁNICOS. *- * Also 7.1-7.5mm R head. * Also brass, & nickel plated.

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.

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.

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.

Specialised parts, mostly red, blue & gold, with few holes to make small range of models - Cranes, etc. Gnom & Gigant outfits. * To suit models.

Small selection of normal parts, inc 5h Trunnions, but also 6 Gears inc a Bevel. * Wrongly said to have been made in Germany during WW2 & marketed in Japan.

Lid has name & oblong made of Strips. Parts inc Plates & Strips which look black in snip. Also 5h Ø Plate & small Pulley.

Alternative names for IMPERATOR q.v. cf ANCHOR ENGINEER. Dates from IMPERATOR.

Name only.

Card Panels, metal Brackets, Paper Clips, cf BUILD O [2]. * 1927 patent.

Sets: mechanical, architectural & combined. Parts push/clip together; Collet fixed Wheels. Most parts stamped ARKIRECTO. * for Collet. ** 3.25; 2.6 also reported.

No other details.

Rods push or screw into Joints.

Poor quality parts inc 3*3.5.9.11h Flgd Plates & 2*1*11h 'L' Girder. May be related to EL EXPERTO MECANICO. * Other heads may exist.

Appears to be identical to WENE BRIK.

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.

Name only.

STABIL sold under this name in France. Details taken from early 1920's STABIL parts & MCS entry.

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.

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.

1st DINKY BUILDER-type system but more, lg pts. ASSEMBLO cast into Whl parts; a few pts stamped ASSEMBLO Bte SGDG. *Poss pre/postwar periods. *Hole only in centre of 'braced' Pl.

Some parts like STABIL. Lids have 2 boys playing with models on a table. *Scaled & could be ½".

Models, parts similar to Gilbert New Wheel Toy but no Gears. * 30s or WW2a. * others possible. * in Formed Collar. * + Fixings. ** & others. * & 6mm.

Ref: MCS, name only.

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.

Special parts to make cars & 'plane. Dutch man 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.

Many spec parts for (motor)cycles, 'planes, car, but other models inc a Crane. *AS+CR. *In various pts. *3.0 in 25mm Ply. **Hex Bolt may exist but only Nuts/Screwed Rods listed.

By makers of BRAL. Set to make one Ferrari with probably many special parts. * Only seen in poor illustration of Set.

Mentioned as new US constructional toy with wood & metal parts, in G&T 5/15.

Data for 1961. *GE > '65. * also M5,M8. * also M2.6 M5. * Mod .75. * also 2.5.

Data for 1993. Frameworks fr sq alloy Tubes & other sections ald A/Gs. Also COMPACT gear demo units. *SW< '65. * M6,M8,M10. *some d/t.. *Mod .75. * & 6mm *slotted head Bolt.

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.

Only Set 51 for a Lorry seen (on Ebay), with red & blue special parts, perhaps joined by bending tabs over.

Several phases w parts joined by some N&B but most clip or slide into each other. *Most likely. *Approx in each phase w some common to all. *Some larger. *Nut brass. **Typical.

Special parts for Planes & Cars.

Basic system with parts similar to MÉCAVION but aluminium.

Parts include some unusual shaped Plates for certain models.

No details. Ref: OSN 9/235 & 18/522.

L plus some A-J

COMMENTS

This name or similar seen in Canada, & might possibly be repackaged MERKUR.

Probably BAUFIX for French market. Parts seen .5 thick. * 10/11 for large/small holes in Disc. * Small holes in Disc, 2.4.

1 of 4 sets for TV models seen. Prob 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.

Special parts for Cranes. No other details.

Strip holes extend out to alternate sides. Pts prob as BATIFIX, CREME ECLIPSE, SIMPLEX, but 2 thicknesses seen. *10/11 in lg/sm Disc holes. *Mean; sm Disc holes 2.4. *& R? Black 5-11h Strips with large-radius ends, 5*11h Flgd Plate, 6h Wheel Discs, Tyres. Silver Loose Pulleys. Lid yellow with black Lorry & Trailer.

Wooden Blocks w Rods joined by J Clamps. Also called ROBO. Looks very like EL INGENIERO MECANICO. * Grub Screw In J Clamp. * In Blocks.

A book called Bauspiele on how to make plywood & tinplate parts, & models from them. * As needed. * Also others.

3 Braced Girders, a Plate, Pulley, spoon-ended Strips, & small parts. But perhaps others.

Name only.

Name only.

Probably related to KONSTRUKTA. * Bush Wheel & Collar d/t, dia 5/16".

Parts similar but some not identical to ARWILL, & 1*6*1 DAS instead of 2*4*2h. Models completely different.

Some slightly unusual parts, & large tooth Gears inc combined Gear/Bevel. Includes DIY plastic plates from sheets supplied in 4 colours, & Tool to make holes.

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.

Many ali 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.

Parts to construct simple Electric Motor mounted on a light brown baseplate.

A name mentioned on the HANDY SET model sheet, but could it be a mistake for BETTAFIT?

Parts inc M52 w 1 slot, 9h M54, 15h Str, 5h Trunnions w 45° side slots, 2" Ply, White Rim Whl (dble sided, flat centre), & Radiator Plates. *But 1/8W (RH & hex Nuts) found w parts.

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.

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.

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.

Cardboard parts held together by push-fit Pegs & Rods. *1½", also 3", 1", ¾", & others.

Rods & Strips push fit into Clips which can bolt together. Strips have slightly crenellated edges. EREKTIT thought to be identical, & data fr EREKTIT parts.

A set for M&S. Most parts like LYNX. Plates stamped MADE IN ENGLAND. * 4BA possible. * As seen, MCS 12.8, a 21h Strip was 12.6. * Also seen, Strips, Brks 4.2.

Model Leaflet like LYNX. Parts like BILDICO [2a] above but holes larger. * In No.1 set. * Possibly holes were smaller at some stage.

Said to be at least 2 sets similar to ERECTOR selling at \$1 & \$2.50. Is this HUSTLER BILDKRAFT?

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.

Tool to punch holes in ¾" wide wood Strip, & in aluminium Strip to make brackets.

Said to be Rods, bent or cut to length, with flexible Joints to connect them at any angle.

Vertical panels slide into floor/ceiling squares. No wheels or pulleys. * 1921-25 also reported.

Based on #4 set w 11*5h Plate w only edge holes. Most pts sim VOGUE inc Strips w 45° corners. *3/32W also known: SR FF 6.3 4.8. * Also ¼" Ø, w Whls & Flat Trun to suit.

Similar to BLT1 but larger holes. Also a 11*5h Flgd Plate with no centre 5 holes & BILT-E-ZE stamped there - it replaces the 5*11h Flat Plate in BLT1.

Name in US (& other?) markets for STRUCTATOR q.v.

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.

Joints marked BOB B.SCDG. * & 60I reported. * Wood Whls, 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.

Alloy Rods in sets. Joints marked BOB. Plates are different to BOB2 which in turn differ from BOB1. * 50I also reported.

Details from *Baukästen* but not sure if this is 'RT' type like BOB [1-3].

*CONSTRUCTION. *Bilingual METALEN CONSTRUCTIE. The illustrations of the parts are as those of SPIROU & TEMSI, so probably from same maker. * 4.1 also reported.

A poor photo of a model leaflet for Set 3 on Ebay shows small models made of Strips & Wheel Discs. Ref: *Baukästen* p328, but no details.

Name in MCS/FB & elsewhere for NOMA BOOMTOWN.

Black painted parts, inc A/Gs & a 5*5h Plate w edge & centre line holes.

TRIX-like Strips & Discs, but original parts inc 3 sizes of Pulley Disc. Lid labels & manual covers have white on black photo of model. * FF for Bolt.

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.

1/4" Tubes joined by J Clips, with U Clips for Axles etc.

The main parts identical with GIRDER-BILT but no 6*4h 'Plate' in the one known set.

Parts often stamped BRAL. Also sold as MECCANICO & IL COSTRUTTORE BRAL/MECCANICO. * Earlier nuts FN; later ones ZI; & FB Bolts with T head, 6.0 DHD.

BRAL stamped on most metal parts. No Wheels/Pulleys. * Data apply to SPACESHIP (smaller than ASTRO). * Nuts are zinc unfinished.

Motors, bells, etc using mostly non standard parts. * Could be much earlier. * And smaller.

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.

Plain aluminium Strips & Plates, maybe no Wheels. * HB - Spielzeug Bremen, a company name?

After BOY CONSTRUCTOR. 7.3mm wide Str w only end h. Card Whls. In 2005 MINIATURE BUILDER sets listed w 3.1 h at ½" pitch & 4-40 N&B. *Also called MICRO BUILDER *Crank Handle.

Generic name of sets for various sized Airplanes, Zeps, Cars, & repro Gilbert MECCANO Ship. Some sets called BRIAN TOYS, BRIANNO, BRIAN AUTO BUILDER.

4mm straight & curved Tubes push into Socket Clips which are held together by Threaded Rod with Nuts on either side.

Pressed Bricks on vertical Rods. Includes Strips and Plates. No Wheels or Pulleys.

Alternative packaging of MECCANO X although finish of parts different.

Details from manual, where parts look like STABIL. The one, undesignated, set contains all the parts.

L plus some A-J

COMMENTS

TRIX & special parts to make an electric pendulum Clock. * 8 standard TRIX + 25 special.

Name used erroneously in MCS for TECNICO.

* 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.

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.

*Some metal parts, eg Struts, but probably mostly wood. Rubber band drive.

Box lid photo only. Same maker as BUILD-A-PLANE. Not clear what material used.

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".

* May be fr Australia or NZ. Parts in sm MCS models: 5,11(or 15h) Str; 1*5*1h DAS; 5h A/G; 5*?11Flgd or Perf Pl; 1"(or larger) Ply; 12h Whl Disc. All rd holes & sq corners.

Parts are from MERKUR & details are assumed the same. * needs verifying.

As BDO1b but al & motor parts.*Diff maker post '47. *1/4"x20 s/t threaded Hubs join Whl/Ply halves. *3.2, 3.6 also reported. *F hd on lg Bolts. *Also: F Nuts; FD M hd Bolts, DHD 5.5.

Steel parts, inc 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.

Card Panels held to steel members by tiny bifurcated paper clips. * & 6.5mm.

Said to have produced a number of sets similar to ERECTOR.

Parts & Sets as DELTA-X. Sold under Sears name. Axles have flat to suit some of the bosses. * 25.4 = Mod.1.

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.

*Only BAU ANLEITUNG on man'l. After METALL-BAUKASTEN, w same pts, PNs/sets ±, *but ? when, & see PLASTICART, PLASTIKART. *Mod 2, also gear-like Spkt. *or HC as MBN1. *Nuts FK.

Many parts stamped BUZ. Unusual parts are round top 9h Trunnions, 5*5h Flgd Plate, 2h wide Hinge, 3h strip Hook. * H & S Nuts shown.

Initially many parts listed as BUZ1 but + 5*9h Flgd Plate. ? sets at that stage but later only (about 68) parts in new sets 1-4 w new man'ls & colours. Few pts stamped. *Sq Nuts in man'l.

Name only.

Name only. Another name CAMIONELI has been listed elsewhere.

Parts seen are like MODELIT [a] but differ slightly in dimensions. N&B data need confirming.

1 set known: MAKE-A-BIKE. * Bolt is a pointed Set Screw for J-Clamp with small cheesehead.

Many of the parts illustrated, and their names, are identical to AMERICAN MODEL BUILER.

Frames, Strips, Girders, which push together, quite unlike CHARPENTO [b]. Lid has an Arch Bridge with a Ship under it.

Beams, Trusses, Panels, etc to make buildings, bridges. * 20e also reported.

Many parts MECCANO pattern but also many original. Gears inc Bevels & Helical. *MCS says over 200 but reproduced text therein seems to say over 300. *Needs checking.

Rods joined by 'Springs'.

Rods held by Double Spring Clips. Same maker as, & compatible with, STOKYS. * Standard STOKYS Set Screw unless Grub used.

Boltless. Aluminium Rods and Multi-way 'Terry' Clip fasteners. Wooden Wheels.

Rods held by clamps with rectangular in-fill Plates. * Hex Bolt shown but said to be square.

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 w push-on Washers) & models sim to MBC2/3.

Strips, A/Gs, Brackets have rolled ends and are joined by Rods through them.

Parts to make buildings. Only name known.

Set to make various Lorries & tracked vehicles using special parts.

Set to make Ships using special parts.

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.

Parts inc: M52 w flange slots; 3h M11a; 5h Trun w 2 vert side slots; BRAL Braced Girders w solid centres; 3*5-11h Flex Plates. *poss after. *Also 14.5, Mod.1.75 (4-spoke Gears).

Said to have followed GECCO and to be like it.

Parts held by Clips. These & Brkts are made from spec Strips using Tool provided. cf VLN, EMA. * & 46-50+ reported; name registered in 1947. *--**Set Screw. *about. *varies.

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.

Alternative name used for MONTEX [2].

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.

*Probably but a 'Unit' set, w smaller range of same pts, called ALLWRIGHTS MECHANICAL CONSTRUCTIONS may date from late 30s. *3/8" exactly. *Crank Handle, no Axles.

Parts generally MECCANO-like but a number like STABIL & some MÄRKLIN. * Possibly much earlier. * At least. * Guess, might be 12.5.

Ref: *Baukästen* p326. Maker, Rudolf Zanki. 1/100 scale Buildings from parts held together with Clips.

No other details.

Large Tyres have 17x71x34 moulded in. * Flexible plates are plastic. * Mod .8. 25 (Mod 1) for later plastic Gears. * Not including later new parts.

Electronic 3-channel, 10-step controller for Motors, lights etc, plus standard parts for small models.

Sets with standard parts & many in plastic to add realism. Boxes, but not manuals, often marked CONSTRUCTO. *Needs verifying. *Including 47 plastic parts.

Wooden Rods push into brass Connectors. * Prob German made. * 1867-1905: c1900 from box lid appearance. * Rod.

Toy Jeep with constructional parts to make add-ons. Check thread, N&B data. * Push fit rubber Road Wheels. * Eyeletted Pulleys. * Hex shown in MCS.

Jeep & parts similar to CJP1 but Flgd Plate has square bends. Different maker, as CTK1. * Push fit rubber Wheels. * Mean; 3.1 also reported.

Toy Tractor model with parts (like CJP1 & some special) to build impliments for Tractor.

Similar in style to CONSTRUCTION JEEP but toy Lorry & some different parts.

One set seen on Ebay, probably like WISDOM No.6 with a few different or changed parts.

Parts as WISDOM except colour. * Known 1990. * Also 2.6mm, see the similar CONSTRUCT-O-STEEL.

A set, MM097, with large parts to make Prams, Chairs, etc – large enough to suit largish dolls.

Name on a box w 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.

L plus some A-J

COMMENTS

A set practically the same as AVIONS-CONSTRUCTION with a conrie on the box lid.

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 similar to CRMA.

See 'CONSTRUCTION theme sets': the boxes (but not the manuals) often carried the CONSTRUCTO name.

Parts are from MERKUR & details are assumed the same.

Looks similar to MECCANO but 7h 126.a; 9h 214; & balloon Road Wheels. Wood Wheels also possible (& ? Tyres on pressed steel Hubs). *May vary up to 4.7.

Small models which look very MECCANO-like. Various styles of #52 shown. * At least.

Plas Whls. CONSTRUCTO transfer on some pts; & see PLEASURE BEACH. *Most F or A. *to 4; & 6.2. *2"x3.5mm. **SCFF also. ** needs check. Also 6BA HR BB 4.8 4.8 for Bulb Holder.

No other details.

Most parts identical to HOLLYWOOD U-BILD-IT, inc 1/8" holes in Strips. * In Set 200, the only one known. * 7/16" & 1 3/8" in Plates. * Bolts are matt light green.

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.

First version of an unusual system based on a Lozenge part. *Inc 10 of wood or card. *15mm for the Lozenge & 11mm for the Strip. *4.2-5mm. *Winding Drum axle, no other Axles.

More & smaller parts than CNRO above. 2 widths of Strip known, 8.2 & later 8.8mm (8.1 known). *50 later reported. *10.0 in Braced Girders. *Sq Nuts in manual.

Final phase w more parts, some changed. Strip width: 9.8, later 10.8mm, also 10.1. **70 reported. *Some aluminium in WW2. *fr 50 initially.*5.3 may exist. All N&B data need confirming.

6h Flgd Sector Pl; 7*5 Perf Pl; 2,3-blade Props. CONSTRUCTOR JAFOWORKS on Tyres. Early: JAF0 on Tyres; *M8,52 aluminium; *DP 38; *dBS 3.86; *Nut SFN, Bolt RFN w *DHD 5.5.

Name only.

CONSTRUCTION [1] parts packaged for Popular Mechanics magazine. CONSTRUCTION data used. * Copyright date for U.S. distributor.

Probably followed KONSTRUKTOR [3]. * some of main parts in some sets steel. * some holes 5.3.

Parts as WISDOM except colour. * Known 1990. * Also 2.6mm for push-fit Wheels #015.

Ebay photo shows set with largish Crane & Lorry on lid. Parts consist of bright A/Gs, some with (?)2*1h (?)obtuse section & red Wheel Discs.

Name only.

Many parts like MECCANO (r/g colours reversed), but unusual Propeller, balloon Road Wheels, & 3*6h Flanged Plate. * Bolts AA.

Parts like INGENIERIA MECANICA INFANTIL and same Illustrated Parts in manuals. Data taken from INGENIERIA MECANICA INFANTIL.

Photo shows silver Strips, red & blue Plates. * Not sure where country of origin came from.

Sets designed to make working optical equipment. No Wheels or Pulleys.

Said to be AMI-LAC but manual models are MÄRKLIN.

Large pieces with Narrow Strips, 2h wide Plates, 7h Trunnions with holes at 1/2 normal pitch, plastic N&B.

*1924 pat. Buildings w frame of 12mm sq grooved wood Beams held by push-fit metal infill Panels (*F or A). 'Real' F or A Roof Tiles on Battens. Models inc Furniture, sm Aircraft.

Sole illustration available shows structure of rods partly covered with plates.

Possible early/other name for BRAL PRIMA VOLI.

Frameworks of 4.8mm Ø alumimum Rods with end Unions which screw into Hubs, Steel Plates clip onto Rods. * For the Unions. * A/F.

Probably the same as BAUFIX, models shown are identical. Promo set, Crème Éclipse is name of household polish.

8mm Tubes with 1/4" pitch holes, joined by being bolted to Unions. Tubes also sold opened out as Plates.

Models from Frames pushed together to form cubes, & Strips held by Rods with Collars. *-* Only Set Screw for Collar etc. *Some 15mm.

Like SKY-SCRAPER with 3/8" wide Strips, Plates with 1/2" & 1" flanges, but 6h Pulley Discs instead of Wheels. * 3.4-3.6. *** Also FD Bolt, 5.5 Ø f head.

Name used in MCS for DELTAX. D-180 is a set number.

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.

* A DEGEA-Baukasten-Motor by Auergesellschaft was shown at the 1925 Leipzig Toy Fair (*Baukästen* p231).

Alternative rendering of Japanese name for DELTAX.

2 small sets seen on Ebay have some parts like MÄRKLIN. Manual may have STABIL models. ERECTO [2] very similar.

Axles have flat to suit some of the bosses. * Made in Japan, parts as DELTAX. * 25.4 = Mod.1.

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.

Axles have flat to suit some of the bosses. *Japanese characters on boxes plus set nos. 'D-40 to D-500'. Plastic Plates marked MADE IN JAPAN. * 25.4=Mod.1. * Slotted Bolt head shown.

Some M-like parts, but many others inc Curved Plates (4 to 2" circle), STABIL outline Gears, etc. Some MÄRKLIN pts in man'l models. *Mod 1.8, also about Mod 0.8. * Most 12.9-13.0.

Danish name for MEHANO(TEHNIKA) Electrical set, q.v.

Name only.

STABIL parts, probably packed for the ILLUM store in Copenhagen.

Silver, narrow section, braced Frames, presumably bolted together. Lid has black label with white Bridge on it – one tower has a Crane on its top..

Mfr: Feta. Parts like MÄRKLIN but fewer holes, inc 5*11h Flgd Pl w only edge & centre line holes. *F 65mm Ply, Gear Ring. *Large-tooth Gear & Gear Ring, *A few 3.7-4.1. *Also HP.

Made by Wehma. Blue Funicular Railway on lid. Parts inc unusual Triang. & Perf. Plates, & NS. Yellow Pulleys. Other parts green first, later red/blue & red/dark green (or black).

Mixed selection of black parts inc T-shaped Trunnions. *Prob, for plas Gears (in Gears set). Also coarser plas Worm/Whl, & coarse 8t Pinion meshing w slots in 63mm Ø Pulley's face.

Parts like MABA.

As LE JEUNE MÉCANICIEN. Old Meccano style parts but Perf Plate & A/G ald Flgd Plate. NB. #103 with 1 row of holes. * Key fixing in manual, but tapped bosses in ebay sets.

See OKEH.

Made by Deutsche Post. Probably followed ELEKTRO, many parts shown as identical. Also same or similar to the probably later PIKO.

German name for MEHANO(TEHNIKA) Electrical set, q.v.

L plus some A-J

COMMENTS

Small set w STABIL-like parts. Possible FAP logo on lid. Parts look same as DER KLEINE KONSTRUKTEUR [2], & DER KONSTRUKTEUR FMF. Some DKI/DFK models same. Sm No.1 set seen on Ebay. Parts: Str, DAS, Whl Disc, 5*9h Flgd Pl – all might be aluminium. Red lid label & manual cover w boy & decent size Crane. May be related to METALLIX [1]. * In the only (small Ebay) set seen. Rusty steel parts inc Strips, DAS, Road Wheel, and 6h Pulley & Wheel Discs. 2 boys & a Windmill on the lid. Maker EAW. As STABIL, but Flgd Plates wider like CONSTRUCTION. Also Elec. set. *But 12 in MCS: which is right, or 2 systems? A/G 10.1 in known pts. *Sq Nuts also shown. Parts, set lid, & box looks exactly like DER KONSTRUKTEUR FMF. WMW logo. See also DER KLEINE INGENIEUR [1]. Gantry Crane model in logo (or ad?) 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. Set seen has brightish Strips & blue STABIL-like Plates. Lid label has sm photo of boy & Crane on table. *Another set w this name has elec pts on lid but 10mm pitch Str & Pl in box.

Small set with STABIL-like parts which look same as DER KLEINE INGENIEUR [1] & DER KLEINE KONSTRUKTEUR [2]. Lid very similar to the latter. Name only.

Name used in U.S.(?) for KELLER.

* Rubber inserts.

Manual known with models as AMI LAC. Probably a promo set.

Strips 30mm wide. * Called DISTLER GIGANT for German markets. * Stock sold off later. ** Standard TRIX gears but 6mm bore.

Many lengths of black Strip (12.5mm wide) & A/G, up to 35h, 7h Ø Plate, & 7*11h * aluminium Plate. * d/t in Collar, Coupling. * There may be MÄRKLIN-type Gear Rings.

Split-pin rivet assembly. Parts inc bars, clamps, discs, punch press. No other details.

Ref: EZ Pl.43. Frame of black metal Strips & Channels w stone infill blocks, some painted as doors etc. Card roof. Prob UK Patent 301589 (1927). *1925-26 in *Baukästen*. *inc 20 metal.

Part Nos. similar to EL MECANICO. Parts in MCS look like MECCANO except 7h Trunnions, slot in foot of 1*2h Angle Bracket, & Hook has cylindrical weight. * May be more.

* CONSTRUCTION. Generic name of modified ERECTOR w alt lg & sm holes in Str, Pl. Sold by stores under brand names, see L J1, S-T, S E2, TRU. Data fr LITTLE JIM set. * & 6.6.

*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.

One set said to make either a Sports or Racing Car. Add-on Spring Motor, & Remote steering control.

Models rather like 1-engined MECCANO Aero [1] sf larger Flying Boat & prob other models fr Set 109. *+ parts in Set 109 & add-ons 106a-d. *Based on #67, Fuselage Centre Sideplate.

Smaller parts than DMF1. * Approx in the one set seen, for a wheeled Biplane.

Nice un-ML pts. *c58 poss. *Earlier also self tap Bolts, 3.2 od, w hoop spire Nuts. *Later tapping hole thru. *Approx, + 27 only in Rolling Stock theme sets. ****Later prob HC FN 5.4 5.4.

Mostly MÄRKLIN pattern parts but smallest set different w Screwed Rods as axles. Some small parts aluminium. Manual has large photo of boy's face on cover.

* Often e b s. Single model sets with large, heavy, good quality, nickeled parts. *4mm also reported.

Followed L'INGÉNIEUR CONSTRUCTEUR and preceded MÉCANIC [2]. Probably not made in later WW1 years.

Most parts in MCS like MÄRKLIN, but Ply Disc, Scr Rods, Roof, 6-spoke Ply. Some electrical parts on one manual cover. * Poss; & MÄRKLIN-type Gear Rings. Data need verifying.

6 Sets, probably standard EDISON parts plus special electrical: Coil, Bell, etc.

Parts for workshops, ready made g/boxes, winches listed. * Inc 13 wood bases. * For Threaded Rods. Also Bolts, ? thread.

The one set known has parts that look like THE CONSTRUCTIONER and probably made by the same company.

Parts unpainted. Strips & Girders have square ends.

24mm Pulley is light red plastic with brass boss: it, & Spanner, marked E.F.E.L. & EFEL. * '62k, on sale '70c. * Early parts may be aluminium, unpainted. * In Set 5, approx.

Slotted parts. * Steel parts may also exist. * 10.0 & 20.0 crossways.

Probably MECCANO or MÄRKLIN style. Name on Brackets. This may be the EIFFEL [2] below.

Unusual shaped Brackets inc long DAS & Double Bent Strips. ** 40-48 in *Eisenzeit*. Label has head & shoulders of boy & girl with Eiffel Tower between, & big whl in bottom left corner.

Parts red & green. Compatible with MECCANO & name on parts. This may be the EIFEL above.

Mentioned in *Baukästen*, p244, from Dörken & Schulte KG.

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.

Motor parts, Bells, etc in basic set, but Pulleys, Bearing Standards, etc, in others. * Patent 1931. * Square Nuts for 3mm.

ELEKTROMECHANISKAIS. Latvian name. Related to EKS. In MCS as ONBITOB. * Square rubber strip used as key. * Mod 1, may have been 0.6 earlier.

Latvian name. Related to ELEKTROMECHANISKAIS KONSTRUKTORS. One set called 'Skolnieks 3', another, larger, has no name.

Made by E.G.B. Many parts like DKE. MCS says Mag,Electro-Mag,Chem,Static Elec sets. Pts inc Motor Armature, 8*14 Flgd Pl w no holes in flanges. *Prob smaller in Flgd Pl.

Name only.

KONSTRUKTOR. 3 sets to make Helicopter, Biplane, Windmill. * In Helicopter set. ** Also 3.5mm.

Yugoslavian name for MEHANO(TEHNIKA) Electrical set, q.v. **ELEKTRO was probably later Slovene name.

Name only

Said to be similar to ELECTRIC.

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.

Strips 9/16" wide. Parts as ACO. * Pulley; Wheel 3.9. * Crank Handle, no Axles. * Sq Nuts on box. * Bolts FF.

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.

Rods joined by J clamps, & wooden blocks. Looks very like ROBO.

Plastic Flex Plates. Strips very thin with bright, coarse crackle finish. Slight BRAL look to some parts.

Generally blurry MECCANO-like parts in the one set seen but MCS models include 4h Wheel Discs, perhaps nutted to Threaded Rods.

Strips, some formed, held with Clips. Most parts look like CONSTRUC but not sure if Jig is in ELMA.

Motors can be made with all sets & used to drive models. * 46-50I also reported. * Mod .75. * For M4: M3 Bolts FN/FD, 5.6mm DHD.

L plus some A-J

COMMENTS

Part Nos. similar to DU-EN-LOZ. Large zinc diecast bosses. Corners of Flexible Plates shown in Illustrated Parts with unusual shape. Bright lids featuring models. Parts include several sizes of DAS & Flanged Plates. Also 7h Trunnions.

INGENIERO. Parts appear to be a near to exact copy of ERECTOR (ERT3b). * Shown in manual but may not all exist. * From 1 part.

ARGENTINO. Name only.

Illustrated parts in MCS shows unusual triangular Trunnions, Gear Segment, & Hook with star-shaped centre hole.

Name in MCS for EPA.

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. 5/8" wide Strip parts & 3h wide Plates (Perforated, Flanged). * Along length; 11.1 across Plates (5/8" & 7/16").

Square corners on early parts, later some prob round. *But known only fr Australia/NZ agent's ad. Motor looks early U.S.. *Rather irregular. *Pulley 3.7. *Clip held by Wedge. Many parts have diamond holes, & Strips also have V nicks in edges between holes. *8-32 also known. *Square & round. *9.5 for 8-32 (large hex Nuts also in Manual models). Models as JUNIOR MECHANIC; parts differ slightly in detail. Sets 1 & 2 known, similar in content to J M #101 & 201. * 5-32 on Crank Handle. * Crank Handle, no Axles. Range of sets from Aries, makers of TOY KRAFT, with probably similar parts. * Up to 2008, see M'ITEK.

* from Greek ΕΠΑ; EMA in MCS. May be ERECTOR or copy, manual cover shows ERECTOR model. * 12.5 reported earlier.

Unusual Braced Girders with 2 rows of rectangular cutouts. May include 'aero' & 'army' parts. * Mod.1.

Most parts virtually the same as ERECTOR, though different colours. * Others seen 4.2.

Set 5 was listed at the same time as ETNa (Sets 0-4); its parts look similar to MEKANIK [1], but the hole pitch is said to be 12.7mm.

Dolls house set with parts not unlike ERECTOR.

Probably same as DELTA with same MÄRKLIN-like parts. Manual may have STABIL models. English on lid & manual cover.

Detachable boss for large Gears & Pulleys. Girders flanged but not grooved. * plus 12 for motor.

Improved design Girders, normal bosses, different, assembled Motor. * In 1915.

Some parts introduced or changed in this period. * In 1919.

Redesigned system with narrower Girders, Strips with 1/4" pitch holes, etc, etc.* In 1929. * Also 1/4, 5/16", with some bosses to suit.

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.

Complete redesign. * Gabriel ownership until 1983 but the character of the sets changed in 1981 to that typical of the next 'Ideal' period. * 1963, approx 60 by 1971. * With flat.

Less metal & more plastic parts. *Gabriel ownership to '83. * Exc special plas pts in Robot set; 70 in 1987-88 w more plastic. *Girders, to 4.4 in other parts. *w flat. *7.7 for longer.

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.

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.

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.

None in 1924-25. Various sets over the years with progressively fewer standard parts.

* Mostly special parts which were included in standard & special sets.

Simple linking 'girders' and N&B. Ref: OSN 6/136.

Large steel components, wheels, to make life size wheeled toys, also Cranes etc. A development of GILBERT NEW WHEEL TOY.

* Special card Panels which were held to frame of standard A/Gs by Snap Rivets.

Some standard, some special parts, inc a fabric Envelope, sold as a separate set & included in other sets.

Rods & Strips push into Clips which can bolt together. Strips have only end holes & sl crenellated edges. Thought as BILDICO [1]. *Called ERECTOR in earliest ad known, 4/14.

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 w staggered holes. * Just possibly the DDR. * Possibly aluminium.

TEMSI parts or similar. May be same as IK BOUW / JE CONSTRUIS. Dimensions assumed as TEMSI.

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.

Almost certainly OLYMPIA under another name.

* Sold as MECCANO 1967-85 with parts marked MECCANO IND. ARGENTINA. * In 1965, other parts added since.

Similar to GIRDER BILT but with a square-cornered 4*7h Perf Plate, & Pulley Discs as well as black Wheels.

Clips w 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.

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.

Mfr: EZY-BILT, Kilkenny, SA. Extended range of renumbered parts.

Made in NZ by Rayon Surfaces Ltd, Penrose during last Australian EZY-BILT phase.

*+ toy KONSTRUKTIONER sets. *Not 80c-98c. *Lead Screw M6. *3.2 wide slots in Str w 4.1 ctr hole. Other holes 3.0-3.2mm. *Also:4.0 Axles & structural Rods. *M4: 8mm, for Thrd Rods.

All parts black and stamped FAI. Lid has man with lathe & boy with Funicular Railway. * In Set 2 (of 00-5). * Mod. 0.8.

Said to be a very colourful MECCANO-type system.

ASSEMBLO-like parts, and possibly identical. ASSEMBLO data given for reference.

Reported to be the same as the German ELECTRIC. Data from ELECTRIC.

Sets 0-4 called IL PICCOLO MECCANICO; Set 5 FALTERBOT (q.v.). Later all may have been called FALTERBOT. Parts inc Braced Girders with cross shaped centre cutouts.

See F.A.L.T. in MCS. This entry applies only to (the largest) No.5 set with standard & special wooden parts for Aircraft & other models. See also FALT.

Tubes joined by special, rubber (?) Couplings used to make skeletal models. Also sold as ROBA.

1 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.

Initials stand for Für Den Kleine Konstrukteur, which is on one FG METALLBAUKASTEN box as slogan.

Parts look similar to MECHANIKA.

Parts mostly black & models are built mainly of Triangular Plates, some with centre cutouts, spaced by DAS.

Steel Rods or Tubes with plastic Plate cladding. Ref: *Baukästen* p317.

Parts inc 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.

Black parts with normal & narrow Strips. Prob similar to earlier ZOGEL M'B'K'N. A later set has same model & Für Den Kleine Konstrukteur on lid. It has been called F.D.K.K. elsewhere.

L plus some A-J

COMMENTS

Small Nr.1 set seen on Ebay with Strips, DAS, Brackets, & Discs. Lid has 2 boys with models surrounded by orange border with name down each side. * In Nr.1.
1cm wide Strips, 4-9cm o/a, w only centre hole. Several joined by hollow rivets to pivot. Also some w rect outside holes open to ends. Another FIX MCS reported. * C & H Bolts shown.

The only set known has flex steel Strips w 2 rows of staggered holes, an aluminium A/G, & a card Plate. Parts are held together by rivet w lobes which are bent down after insertion.
Flexible fibre Strips, to be cut to length.

NGN sim, sf 3" Ply. FORGEACIER FRANCE JEP on Gears etc. *In '54 cat, not '59. Not in JP cat after '51. *M3.5 for M115; N&B prob M3. *Mod .65. *In pts; punch not seen. **M115 Nut.
Long slots in Strips (inc Curved Str), A/Gs, Plates. *1910 also reported. ***3.5mm Axles & also brass? 5mm Tubes (Axles), with split ends, expanded by 'bung' to hold Wheels, etc.

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.
Said to be new in G&T 7/19. Match splints push into tinplate Connectors. * At least.

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.
Manual models show a few MÄRKLIN-like parts. Parts may be brass plated or black metallic. * Manual PR 247. * Approx; 29 In only known manual.

MERKUR parts apart from motor.

Furniture models from tin printed parts. Ref: *Baukästen* p323.

Said to be a very simple system with unusual parts. No other details available.

Parts: 1cm sq wood Strips held in sheet metal Connectors; metal Axles, Whls. Light brown lid has name in centre w models all round it. CONRAD, similar, said to have followed it.
Many unusual parts inc Chain Whl, 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.
Mainly wooden Rods which push into metal fittings. Old fashioned looking lid with young boy making a model while young girl looks on.

Braced Panels joined by Bolts into formed threads. 2 sets known, similar but different size parts. Data from one known set.

The Set 1 seen has a boy & v large Crane on the blue lid. A simple system w TRIX pattern holes but fewer of them in V pattern. Plastic 'Washers' push-fit onto coloured wooden Rods.
First erroneous name for FG METALLBAUKASTEN.

See DISTLER GIANT, GIGANT.

Special parts for model that 'flew' around a pylon. Box lid artwork used again for totally different 1928-32 ERECTOR AIR-KRAFT set.

Large wooden Strips & Plates, with steel fittings. French version called JOUET DÉMONTABLE GILBERT.

* Also RIDE-EM. 5 models with metal frames & plastic trim which youngsters could sit in & 'walk' along. Not made for long.

Ebay set seen contains various Tools, and a booklet © 1920 entitled *Gilbert Tin Can Toy Making*.

¼" Ø Tubes push onto pegs on Connectors & Wheels. * Copyright date.

Strips, Bracket & Disc. Push-fit plastic Plugs (3.4mm Ø, with 4.2mm Ø CH) used instead of N&B. * Mean of oval.

Like ALUMINUM CON'N SET, but Strips have round ends. *'Super' before qqf. Hyphenated on manual. *3-48 in one set. *Rubber Whl. *Also Br & AI Nuts. **3-48 are HP FK 4.7 4.8.

Parts as MERKUR in manual but some differ, eg 65mm Pulley (face holes inc 4x 6mm), 8h Bush Whl. NB also hole size, dull grey or poss black finish. *9.9 some pts. **& Bolts: F FD.

Parts include tapered Braced Girders. Simple but quite elegant Bridge & Crane models. * M4 for Screwed Rods. * M4 Nut FF 7.0 A/F.

Lots of Strips & DAS but no Plates or A/Bs. ** Prob M.2,5 or 2.6. M2 also reported. * In the only Set (No.1) known. * 3mm also reported. * 2mm also reported. * RH possible.

Made by Rimü, which traded fr 1930-1950s. Ebay photos show bright Strips, A/Gs, & 3*3.7h Flanged Plates. Holes are small in relation to the hole pitch, which may be c20mm.

Less holes than TRIX to give V pattern. Appears same as INVICTA but MCS gives different hole sizes.

See QUELLE

Mix of STABIL- & MÄRKLIN-style parts. Reputed to be brass plated parts, but those in photo blue & bright. Also non-constructural electrical sets.

Ref: *Baukästen* p330. No details.

11h Strip has 1 end flared out & 15h has both ends likewise. Flgd Plates have slots forming letters H & C.

Small set from (the unknown as yet) BETTABILT, but PNs are as BETTAFIT.

ALPHA [1]-like parts. Related to early phase of ALPHA [1]. Manual has MECCANO models from 20s to 54/61 period. * After 1954.

Tubes are push fit in unions & are used as axles. Ad in G&T 10/14.

Set A has TRIX-like parts but sl larger. Other sets inc non-TRIX parts eg Plates, A/G. Set A lid has a Motorboat on it, a larger set has a v large Big Whl on its lid & manual. * In Set A,
Frames from 5*5mm wooden Beams, with metal Panels which push-in for walls & sit on framework for roofs.

Grey looking parts, often w even number of holes, inc 6*6h Flgd Plate. 3 & 5h Ø Discs. Fire Engine on manual cover. * Nut BB; or AA, 7mm A/F.

Name used in France for HELLER'S STAHLBAU. Mécanicus Tool. Strip 12mm wide. Gears have STABIL 'Outline' teeth.

Has Mechanikus tool & a good range of parts. See also MECHANICUS & MECO.

Parts inc Strips to 15h, 5*9h Flgd Plate, 4 & 5h long DAS, 5h Ø Disc w rings of 4 & 12 holes. Lid has small boy w large Windmill. *fr 8.47 manual PR. *Steel Loose Pulleys. *Bolts BB.

Rather flimsy bright nickel parts, with formed Bonnets etc. 2 versions in 11/291. **As found; 13.1/4.1 & 13.0/4.6 reported. *Needs confirming. *7.5 also possible.

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].

MECHANICAL DEMONSTRATION. Standard plus some new parts in sets for schools to demonstrate simple mechanics.

Steel Strips which clip or bolt together, other metal parts, wooden 'blobs' & Plate. * 1 5/8". * Rubber bushes.

Parts inc 5*11h Plate w 4 long slots, curvy Frame Plate & Trunnion, Propeller, wood Pulleys w metal hub inserts. *But BILD KRAFT known 1928. *In 7h Strips; 3.8-4.1 in other parts.

EZ Pl.60 has lid w Windmill fr simple M-like parts, & Hans Wünsch HW logo. Fr web: black, 12mm wide Strips, A/Gs, & other pts but some dark grey? Prob earlier than the HW DJK.

For frameworks to use with OS; nuts trapped in channel rails, which are cut to length. * Bolts may be brass.

Name only.

Name only.

Only a model leaflet known, for 'Units' 1 & 2. Most parts like TRIX but a few original. Dimensions not known.

Structural parts are anodised copper, Pulleys etc natural aluminium. B&W photo of boy w model inside wood lid. *1950s has been suggested. *Calculated as Mod 1. *Some Nuts FF.

Bilingual names. Apparently TEMSI parts. Said to have succeeded SPIROU.

L plus some A-J
COMMENTS

Only add-on Set A known with simple nickelled parts in wooden box with routed out compartments. * In set A. ** Scaled dimensions.

* or IL CONSTRUTTORE BRAL. Another name for BRAL, q.v., with the same parts as far as is known.

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.

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. 12mm wide Strips, small Spoked Wheels. Note use of Wing Nuts. Some models as PHANTASIE. * 1925 also reported. * Probably more. * Snap fasteners (poppers?) used earlier.

* Juego de. Mostly ML pts sf 10mm pitch & all rd holes sf M215. Unusual pts: 11h Flgd Sector Pl; 7h Trunnions; 13,17,21,29h Strips; 29h A/G; 13*3.5h Flex Pl; 5*9h & 5*13h Flgd Pl.

Another name for IMPERATOR q.v. Also sold as ANKER-METALL, -INGENIEUR. Dates from IMPERATOR.

Ref: Eisenzeit p178. Made by Ihag GmbH, Nürnberg.

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.

Name & date only.

White & red Plates, plus ¼ circular parts, which slide together to make 'cubical' models & vehicles. * ? from 1930s. * Also 5.5mm.

No other details.

CONSTRUCTION [1] sets sold under this name in Sweden.

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.

¼" rolled Tubes push into/onto Connectors. 8-spoke Connector can carry Tire. Infill card Plates in known set may not be original. * Nominal Ø of Tube, also used as axle.

I Beams, Gussets, etc riveted together to make bridges & the like. * From Ebay. * Plus Tools.

Lid shows grey Strips etc w some slots, said to be joined by 'Hooks as in scaffolding'. They were replaced by 3.5mm N&B & name (& design?) changed to MERKUR.

Based on dull grey parts in German sets & painted pts in #3 set fr Inventrix Ltd, Liverpool (as MCS). Some pts like STABIL. * for firm. ** Long Bolts C 7.2. (GE: HR 7.9 6.9 (lg Bolts 7.3)).

cf GOLIATH. V-pattern holes but Strips w fewer holes in outer rows may exist. Box lid has curly haired child w Aeroplane. * 10.5 in Whl Discs. ** 8.1/3.9 also poss with 9.0 in Whl Disc.

Name in MCS for YUNOST'.

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.

DEMONSTRATOR, THE PRACTICAL. Development of THE IRON CONSTRUCTOR with simplified parts. ** T Bolt with thread on sides of leg only.

R/g MECCANO-like with a few MÄRKLIN-like parts, inc 5*11h Flgd Plate. 1" Pulleys appear to be cast & painted blue. * ½" pitch not confirmed..

* 2 names on canister: JACK [JILL] DANDY CONSTRUCTION SET. Parts include a DAS w threaded centre hole for threaded Crank Handle. Canister used in some models. * FF or FD Nut.

See IK BOUW / JE CONSTRUIS

Name only.

Basic parts identical to MECCANO, but original parts added later. Sets inc No.4 Army. * JEP is English market name; JE-IL, JIEL fr Korean. * K for Army, probably I or B for other sets.

Name only.

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.

Model sheet shows rather badly drawn small models made of Strips, Flgd Plate, Wheels, Axles, etc.

Strips, DAS. A/B in Set 0. Few, if any, more different parts in Set 1.

French name of GILBERT NEW WHEEL TOY sets.

2 phases w some diff parts. 1st mostly aluminium; 2nd mostly steel. Painted Plates in both. * Sq Nut in manual. ** Ph.2: Nut H BB 6.4; Bolt H w slot FN 6.6. M head on longer Bolts.

Illustrations of parts & set contents just like MECCANO, but parts inc M55,145,146,146a,160,161,196,197,198, & sets only go to #6. * Not all seen & PNs to at least 148.

Parts include large braced Frames, some tapered. Strips: 8mm wide; 22mm wide with TRIX pattern holes. * TM registered. * Some 4mm. * Nuts also brass.

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".

Limited range of parts, similar or identical to UK, said to have been made in Canada. * Including Tools.

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.

5 sets w red/blue packing (2 blister cards; 3 boxes) for 14-20 models ea. Small TOYMAN on lids. Silvery Strips, Flgd Plates; blue Flex Pl; red Whls & ? Trunnions. * English text.

Flgd Plates have holes only in flanges. cf ACS made in same town. Strips, Brkts have 45° cropped corners but may exist with sq ends. * Crank Handle only. ** Also Nuts AA, 7.7 A/F.

An Ebay set has black Strips, Brkts, & A/Gs; red, blue, green, black Plates; red Plys; silver Flgd Disc. Lid has large Suspension Bridge & other smaller models. * fr PR: it also has '335'.

Special parts to build 8 models with 2½" Ø body & 3 each large & small Fins.

Maker J. Schneider, see *Baukästen* p306.

No other details.

Very small models from metal parts that push together. Plates probably printed differently on each side.

Delicate parts which push together to make Bridges. Strips into T Girders for instance. Brick piers often used.

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.

Preceded KITOU. Black parts w round holes but Model Leaflet has most slotted. * Name registered in 1947. * A/G pitch abt 1½". * 4.3 also reported. * Hex Nuts also poss.

From G&T. Wavy 'economy' Strips (narrowed between holes. * May have also been called KINCO ENGINEERING.

Unusual very narrow Strips with holes in 'bosses'. * In ads first called KINCO MECHANICAL ENGINEER. * Smaller than 5/32". * 1¼".

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.

6mm Tubes with 1.5mm holes through (spaced at 10mm) joined by Split Pins or Unions. * Sprockets only. * In various parts, as well as the holes in the Tubes.

Strips have square ends. Made by same firm as TECHNOKID with same parts.

Strips & Brackets, no wheels or axles. Most parts steel but DAS aluminium. Holes 3.9-4.4. Parts not unlike LYNX but holes larger.

Followed KIKO. Silver painted parts w round holes at first, then many slotted. * Name registered in 1947. * Mean, fr 12.5-12.7. Abt 1½" in A/G. * 4.3 also reported. * Hex Nuts also poss.

Most parts MECCANO-like but some changed, eg extra holes, flat top 126. Some holes may be oversize instead of slots. * Some s/t. * Estimate, may be more.

L plus some A-J

COMMENTS

Set to make Clock using some ERECTOR parts.

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. Tubes of about 3/8" dia, also used as Axles, joined by similar tubes with springy forked ends. See also SNAPSTICKS. * Bolt FF.

Lid has: 'Construct without Tools | The KMS Way'. Maker: Instructive Models Ltd. The Model F set seen has bright Brackets & electrical parts to make an Electric Motor. Mostly special parts for particular models. * In Gantry Crane.

2 small sets K1 & K2, containing standard STABIL parts (with cheap finish), and a few special parts.

Parts look like simplified MÄRKLIN, with variations, in nickel, red, blue, grey, white.

Rods, possibly 4mm, joined with formed Clips & Unions, plus Plates etc. Manual cover might be from 1950s.

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.

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.

*OT METAL. The No.2 set known is very similar in content & models to the Liverpool 1970-77 set. *Irregular in the Strips.

cf BEAVER. Gear seen is 57t, not 53 as in MCS. *Or 3BA, both given in Parts List. ** R head, FB, 7.0 DHD, also seen.

Forerunner of CONSTRUCTION [1]. KONSTRUKTION moulded into large Tyres. 3 phases, the last very similar to CONSTRUCTION. * Dates need verifying.

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.

3 Strips up to 11h & Brackets from them, plus Pulley. Also card Face w dunce's cap & Scale for Balance. ** A mix in sets seen. * Some Nuts FD. * 4.9-5.2. * 4.9 for M2.6.

Made by T & H Co. All known: box lid w boy & Rly Bridge (fr Strips & Flgd Pl; man'l w just 10 Modelle on it. *The boy on the lid looks more '30s or later than '20s. *From possible parts.

Name only.

Names used in MCS/NZ & /FB respectively for X.

Name used in MCS/FB for KONSTRUKTOR SHKOL'NIK.

Parts inc 3-15h Strips, 9,17,21h A/Gs, 6h Bush Wheel & Wheel Disc, Semi-perf Plates, rubber (probably) Track.

Name used in MCS/FB for SEL'KHOZTEKHNIKA.

Compare with SONNEBERGER. Later sets called CONSTRUCTOR, * May be M4 in some sets. *4.5 also reported & some holes 5.3.

Small selection of STABIL-like parts.

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.

MECCANO-like parts & models.

Was listed as KONSTRUKTOR BAUVORLAGEN. Manual cover has simple Crane (Strips, 9*5h Perf Pl, 5h Ø Perf Circ Plate, 2h Ø Pulleys, no Axles). Hole pitch poor estimate only.

Name only. This could be KONSTRUKTOR [7].

Name only. Could this be MALY KONSTRUKTOR?

Parts appear to be very like early KONSTRUKTION, including 'turned' Pulleys, but no A/Gs.

Most pts like CNN1 but + Winch; Motor/Gear Unit. Sets: YUNYI, #2, E/M; & one sim #2 but no 2 after KONSTRUKTOR & has some coloured pts. *w M4 ends. Also, not seen, G/box Axles.

Many parts & PNs like early KONSTRUKTION, but aluminium.

Probably older version of KONSTRUKTOR SHKOL'NIK. * Said to be date on back of manual in set with black parts.

* KONSTRUKTOR & CONSTRUCTOR on lid, manual. Parts very like CONSTRUCTION [1] but metallic black. * Only plastic Bevel. * 4.2 in other parts. * Nuts FN.

Small set including 5h Ø Disc with rectangular hole pattern. Lid has a dumpy 'boy' waving a Spanner. * Axles with screwed ends.

Set 1 Tekhnik lid is orange with an 'exploded' Tractor on it; Set 2 Mekhanik lid is orange with a Lathe. Some parts like KONSTRUKTOR-MEKHANIKA [2].

**German/Ukrainian production'. Most likely repacked Eitech CONSTRUCTION [1] parts or made under Eitech licence.

Bright Strips, Plates, & black plastic Road Wheels.

Mechanical & military sets but not sure they are by same maker. Bright parts with some like CONSTRUCTION; red Road Wheels & green Tyres. *Both have a 'Ukrainian' 'I' in their names.

Many similarities to KONSTRUKTOR VOENNAYA TEKHNKA & KONSTRUKTOR K 115 but 3 sets in series. Sets 1-3 have Scooter, unusual Mobile Crane, & Helicopter on their colourful sleeves.

Most parts like CONSTRUCTION [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.

Now KONSTRUKTOR [7]

Set 10 has content like TRIX A+B+C, + unusual Flgd Plate w bends along rows of holes. Also Sets 1-3 w non-std 3h wide Plate & 2*1h L-A/Gs, wooden Whls, as well as TRIX-like parts.

Parts probably similar to VINTIK | SHPUNTIK. Name changed to K 115 (no dot) by later maker who also produced KONSTRUKTOR VOENNAYA TEKHNKA, with a few changes to the parts.

Small set with parts as KONSTRUKTOR UNIVERSAL'NYI, & by same manufacturer.

Special Braced Girders, some tapering, & many other special parts for Crane shown.

Black parts to make Cranes, etc. Large Multi-Jib Crane on manual cover. * 4.0 also reported.

Many parts similar to SONNEBERGER. * Mod 1.5. * Some holes in various parts 5.3 (instead of slotted holes). Nut AA.

WKOnbHnk in MCS/NZ. Parts inc all Strips 2-11h; 17h A/G; 3*7, 5*5h Flgd Plates; 3 & 5h Ø Pulleys with rings of 6 & 6+12h in faces. CAXAPOB name on manual cover.

Parts mostly fr KONSTRUKTOR UNIVERSAL'NYI, & by same maker. Russian name & TOY DESIGNER "SCHOOLBOY" on box.

Metal parts mostly similar to CONSTRUCTION [1]. Plastic Wheels, Pulleys, Bevels. * Bevel only. * FK Nuts.

Ebay photo shows 12,6,4h Strips; 3*4h Flgd Plate. * Approx in one set seen. * Bolt with tapered silver 'Nut' which might be plastic, ali, or ?, and may push on.

* Russian names & TOY MECCANO UNIVERSAL on box & manual. Plastic Plates and moulded parts. * Also pressed, 7.1mm. * Also 6.7mm.

* 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.

Illustrated parts look just like KONSTRUKTOR [3], but fewer of them.

Long slots in many parts, usually rectangular. * In smallest set, but at least 10 more.

Parts to make optical instruments.

German manufacturer: see MASCHINENBAU, TECHNICAL KID, TECHNIFIX.

Strips, A/Gs, etc, & special Plates to make railway models. * In Nr.80 set.

One set w ali pts in 2 layers inc 5*11h Flgd Pl w centre 3*7 cutout; 7h Flgd Sector Pl w end flanges; 17t flat Gear; 10h Slotted Strip w no centre 2 'holes'. * Possibly DDR. * At least.

Photo of lid shows a boy playing with a Crane which has conventional, & possibly some special parts. Also a small Lorry.

Parts inc Plates (2x2 - 3x9) with square corners. * 48-51 reported. * Some sets had M4 with DHD 6.9. * 12.7 also reported - an error or were there 2 phases? cf MERCATOR.

Small range of plain steel parts inc 3-15h Strips, 5*11h Perf Plate, & 11h A/G with all round holes. * or GE.

L plus some A-J

COMMENTS

The main parts were 60 Flanged Plates, each available in 10 colours plus chrome plate. No other details to hand.
Promo set with BRAL in small letters on lid. 2 sets seen on Ebay in 2005. See BRAL for details.

MECCANO parts and a few others in a set for schools.

Also called LE PETIT CONSTRUCTIONNEUR (but ? only on manual cover). Various special Plates including gable ends, many with slotted holes. * 12.7 in MCS.
Aluminium Strips with dark Insulating Plates.

Also called MODEL ENGINEERING. Couplings/Clamping Brackets join Rods. * Set 0, Set 2 exists. * In Couplings. * In Brackets. * In Couplings.
* KONSTRUKTIONS-BAUKASTEN. Basically a copy of MÄRKLIN made of aluminium, but with a hole pitch of 13mm. * Mod 2 Gear Rings..

The alternative name for YOUNG ENGINEER [1].
Probably the same as DER JUNGE MECHANIKER.

No other details.

* At some point name changed to METALLO-TECHNIC. Rods & a few 16mm wide Strips joined by Clamping Plates. * Aluminium Pulley.

Ad shows very large set in a wooden box with MECCANO & MÄRKLIN-style parts, & 2 model sheets, each of a large Crane.
MÉCANIQUE. Holes are square instead of round. No other details.

The only known set has parts to make a small Biplane, and they look like BRAL.
See LE CONSTRUCTEUR.

French name for MEHANO(TEHNIKA) Electrical set, q.v.

Special parts to make Chair-O-Planes.

Buildings etc fr Strips & Brkts joined w Wire Clips & Wedges, w card infill Panels. A Windmill has steel Axle. **2 series of sets w same models: 1st: est 25-30mm pitch; 2nd: 3-4xlarger.
Apart from the Wheels it looks like ROBO/EL INGENIERO MECANICO. * Also US, with different maker.

First version of MÉCANIC [2], with ÉCÉPÉ between.

Appears identical to BRITISH MODEL BUILDER from the pages of a manual available.

Name for WALTHER'S INGENIEUR in French markets, but changed to ARTS ET MÉTIERS Serie 3 after c1910.

Sets for small DIY repairs with parts also used in LYNX sets. Probably very soon after WW2 & appeared before LYNX, but only lasted for a few years.
Square Tubes, Plates, etc joined by 1/8x1/2" Rivets (6.3mm RH) & rubber Grommets. LIONEL moulded into Tyres. * .4" in Flgd Plate.

Name used in 1914 ad for UK version of IMPERATOR , afterwards just ANCHOR ENGINEER(ING). * In Hubs.

English name used for exported MALY INZYNIER. The basic parts in illustrations look just like MECCANO. Note 5*11h Flgd Plate with 4 flanges & 2 'saw' slots.

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.
JUNEERO like Tool. Few other details except maker, but Ebay set has Strips & Pulleys in it.

Name used by J.C.Penney for DUPLEX STANDARD CONSTRUCTION TOY, q.v. for details. * Not necessarily for all this period.

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.

Name used by J.C.Penney for METALCRAFT Train Construction sets, q.v. for details.

As far as is known sets with Gabriel ERECTOR parts packaged for Sears.

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.

Strips w end holes & groove between for strength. Flgd Pl top has staggered 1" pitch holes. LYNNCRAFT moulded in Tyres. *Mostly, also 3/8, 3/4", & others. *Also sq Nuts. *Also 6.3.

Push-fit rubber Whl, Ply. *6BA qqf. *Strips 3/8", Flgd Pl 1/2", var in some Brkt. *3.8 in Flgd Pl. *Nuts often FN. For 6BA: Nuts BB 5.0 or FN 6.4 A/F; Bolts BB or FD/N 5.1m DHD.

Packets of parts may be mkd LINX (in Ph a & b). A few pts mkd LYNX, some MADE IN ENGLAND. P-f rubber Whl, Ply. *Later most anodised A. *6BA qqf. *Var in some Brkt. *See above.

Pts inc 4 1/2" Face Plate, braced Crane Arm, Gear Box Side Plate. * Withdrawn 1960, reappeared 1965. * Approx, also large toothed Universal Gears, DP 10?, & matching Rack.

Parts for models of machine tools. * Also 13.4mm. * Also 5mm. DER JUNGE MASCHINENBAUER has same?similar parts.

Flex steel Strips 15.6 wide; most parts A. Assembled w Eyelets & some N&B. *47-70 reported. Also reported: *1/8" W; * & 9 in some flanges. ****Also FD Nuts; Bolts: C FF 5.0, D BD 5.6.

A Set No.0 reported with red/green parts strung to a backing card.

Parts similar to CLOU & MATCH BOX CONSTRUCTION SET [2/3] but approx 1.5 times larger. Models shown are identical.

MECCANO- & MÄRKLIN-type parts, nickel at first, then blackened. Lid has colourful river scene. * Mod .63. * Nut nickel, then blackened,

A fewparts for child sized models eg Bench, Push Chair. Maker: Fellbach GmbH, Stuttgart-Fellbach/Württ. Strips etc have interlocking grooves. cf GILBERT NEW WHEEL TOY. * UK pat '29.

Large, heavy steel parts, with Wheels & Axles. No other details.

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.

See CASTCO.

Small set with MECCANO-like parts bought in India.

Metal plus 'Lego' parts. * Seen on Ebay. * M3 Screwed Rods.. * Approx. inc some 20 metal.

5/16" wooden Rods held in U-Clamps. Wooden Pulleys. * Patent date. ** Used only in clamps.

This system exported as LITTLE ENGINEER. * 12.5 in some parts. * Double V scwdriver slot in head.

Many parts like CONSTRUCTION but more rounded corners & all A/G holes round. Also much wider range of Perf Plates, & 6*6,12h. All Whls plastic. *Some push-fit. *Only Ratchet Wheel.

Parts look just like CONSTRUCTION [1] & are nickeled. *MAL'YCH is alternative rendering of Russian name used by Constructorama.

Ad in MCS shows nice Tower Crane but does not show any parts clearly or method of construction.

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.

*+ '04 Digger set w pts by Metallus. *s/t early/late. *+ Rings 14.5. *Exc elec pts, & abt 20, mostly plas, in 80s theme sets. ***c'20: dST=4.2; dBS=4.1; P head Bolt. '89: c Bolt head.

Probably mainly special parts for 1 or very limited number of Ju.52 type models.

One Chassis set & 7 for Bodies, see MCS. * For Chassis.

L plus some A-J

COMMENTS

Standard & special parts for a wide range of models.

Unpainted MÄRKLIN parts with some differences eg no bosses. Also Screwed Rods & a Wheel Disc.

Alloy Strips, A/Gs, Flexible Plates; steel Flanged Plates, Brackets. MÄRKLIN on Large Tyres. **or German equivalent perhaps. *Mod .65.

Specially packaged sets with MECCANO or CONSTRUCTION on boxes as well as M&S. * CONSTRUCTION only In early years.

A Kosmos system. Semi-specialised parts to build machine tools.

Name only.

Pts inc 3 Formed Str, curvy Triang Pl, 5*4, 11h Flgd Pl, 8h Flgd Sector Pl w 2 45° slots, 4" Tube, 3" Whl. *? 5/32x30. *fr Pinion. *4.1,4.3 in some pts. *H Nuts shown too. *? 7.3.

Many pts marked KW+PN. Plates Bakelite, 3.3mm thick. **Early sets may have been called METALWORK w some light alloy parts. *For Set 2 (Set 3 largest). *Also BB Nuts.

All parts painted. New parts inc metal Perf & Flgd plates, but some parts dropped. Many parts have KW+PN on them. * Nuts FN. * 1/2" Bolts are BB w 5.4 RH.

Only a manual cover seen. May be for making models from various materials.

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.

CONSTRUCTION. Mfr: Louis Marx. Sm parts similar to CLOU but Whl ald Pulley. Box top has boy w Buildings; bottom has Vest Pocket Builder, cross, 4 medals (not as CLOU).

CONSTRUCTION. OSN6: MBC1. Mfr: LINEMAR. Pts like CLOU. Box top as MBC2 sf mfr; btm has Vest Pocket Builder & 100 Toys in One. Sets known ss Linemar name or w it blacked out.

CONSTRUCTION. Name on folded card clipped to top of clear bag with blacked out Linemar (MBC3) set inside.

Like simplified STANDARD L.R. (no indentations, Clips, Gears, etc, etc) but also aluminium Plates with impressed circles.

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.

Name only.

Copy of manual cover is similar to the MECCANO one of 1934-36 & 45-47 with Giant Block-Setting Crane.

No other details.

Lid has 2 children & a Largish Crane. Parts seen are Strips, 11*7h Plate with edge & centre cross holes, black Wheels, plastic probably.

The only known set is to build Bridges with special Plates & Strips. *Decking Plates are of an unknown, very heavy metal.

Small No.2 set seen has red/green parts, some unlike MECCANO, but models are MECCANO copies. Name on box: MECANO 2. *After 1954. *In Set 2. *Some smaller to 4.2. *3.9-4.1.

Strips, Flgd Plate with slots between many pairs of holes. Boy & large Big Wheel on manual cover. * Sq Nuts shown in models.

No other details.

No other details.

Base boards with supports for gearing.

No other details.

Name used in patent for a system like AUTO-CYCLE, by same manufacturer. No sets or parts known.

Unpainted aluminium parts with red steel or brass Pulleys. **1946-7 also mentioned. *12.65.

Said in MCS to be a simple system from same family as MERCATOR. Boy 'riding' Floatplane on manual cover.

Unusual Propeller, Spoked Wheels, Toothed Segment, etc. Followed L'INGÉNIEUR CONSTRUCTEUR & ÉCÉPÉ. * A few holes smaller; also reported as 4.1. * Reported.

* From '56-57 list. Sets appear as the then current 0-3 MECCANO but with MECANIK on the box lids, The parts though may have been made locally.

As MEKANIK [2], & * supposed at end of period given. Data from MEKANIK [2].

Earlier name of MEKANIK [1]. Data from parts believed MEKANIK. * Mod 2. * In only manual seen, date unknown but only Sets 1 & 2 advertised.

A box on Ebay has a lid showing a boy with small green models & similar model sheets in B&W. Could be MECANIK [1].

Parts mostly like MECCANO but 7h Trunnions, 6h Whl Disc/Bush Whl. Models are MECCANO so some parts in them do not correspond to those illustrated. **From MCS, needs confirming.

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.

Identical to TECNIKIT. * Also aluminium Strips, A/Bs, Axles. * In Set 0. ** Also hex 9.7 A/F.

Set received as present in Belgium.

Most parts close copy of German MEKANIK, but not so well made & no slotted holes. * Mod 2.

Fair range of typical 'Aero' parts for good selection of models, inc multi-engined. * Ads refer to aluminium but this may be colour, or wartime material.

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.

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.

One Set makes at least 2 similar jet aircraft. Its lid shows these & 3 others, inc a Meteor twin-engined type, which can prob be made with a larger or add-on set.

Parts & models very like MECCANO; manufacturer sold MECANIK [3]. * At least, PNs up to 250. * Crank Handle.

Name only, except that Strips are probably 4mm wide or less.

Another name for BRAL, q.v., & same parts as far as is known. Date from post-WW2 boy on manual cover.

Possibly BRAL.

†† may be 7-32 fr c'03. *Clips hold whls >12, s/t >28. * & 16; earlier 40. *approx >c'80. *NS: 4.2. * & FQ, & FK in Army sets. * & H Nuts 6.3 A/F. *Bolts: & 6.2 R hd; & 6.4 b hd (fr '89).

Special parts allow various different models, inc multi-engined.

As [1] but smaller, simpler parts for single-engined models.

* Including Accumulator. Parts for use with standard parts.

For use with standard parts. Sold as set & also included in 5ME outfit.

In France, from 1963 in UK. * In set for use with standard sets – also sets with standard parts, eg 4EL outfit. * Earlier FN.

Special parts for wide range of experiments. * Also special Bolts & hex Nuts.

Mix of standard MECCANO/ERECTOR parts. *8-32 also reported. *Inc 16 Ship parts & 42 ERECTOR parts.

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.

Sets by Märklin bearing both names, w parts made under licence, virtually the same as MECCANO but chemical black finish. Parts often stamped with MECCANO & Märklin logo.

Standard parts with some holes omitted (plus some Flex Plates ready bent), & wooden Gun Barrels.

Sets 1-5 by EXIM S.A.who had exclusive right to make MECCANO in Spain before moving to Mexico in '71. Ref: MJ32/948.

Data may be for MODERN-MORECRAFT [a], which replaced MECCANO-MORECRAFT. * Key fixing for some parts. * Most, not all, 12.7x. * Snap Rivets also.

Special parts allowed several models to be made.

More special parts but smaller & simpler.

L plus some A-J
COMMENTS

Some fibre plates & standard parts but mostly special parts.

* 2 Sets with similar contents, SPACE 2501 & HYPER SPACE. A few special plastic parts.

When? Who made it? Relationship with METALING?

Mainly similar to Liverpool MECCANO except usually tin instead of nickel plating. Remaining data probably as Liverpool but needs confirming. * 7-32 also possible.

Small Gilbert sets with parts like MECCANO X but Strips have fewer holes, also a Flgd Plate. *Or 1933. **Snap Rivets from 1934. See also MECCANO - GILBERT [b].

Strips ¾" wide w ¼" pitch holes, not staggered like TRIX. Similar sets in France as L'INGÉNIEUR FRANÇAIS; in UK as BRITISH MODEL BUILDER; elsewhere as MONTEX.

3 sets similar in style to MECHANIMALS & from same maker, but more complex & wireless controlled.

Seen in Malta & Kuwait. WISDOM parts repackaged, but colours different. * Copyright date. * Also 2.6.

A set sold on Oz Ebay looks like METAAL CONSTRUCTIE SET (MLE)- said to have C/W Motor but Elec, as in MLE, on lid. Has 'Chinese' parts but prob 12.3 pitch, & some specials.

Ref: *Baukästen* p331. No details.

Apart from its lid the only (No.1) set seen (on Ebay) is identical to MECHANIX [2]. The data here are taken from MECHANIX [2].

Strips had square ends & turned over edges. Wheels held with special Clips. Early Rods were grooved. * Prob BB also.

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.

Details from photo of Set Nr.100. On the lid the name is suspended from a Crane. Parts seen: Strips, Brackets which look aluminium. Brass 2h Ø Pulley.

Strips 3-11h; 9,11h A/G; 4*4, 4*8h Flgd & Perf Plates, 6h Flgd Sector Pl, (4-2h across); shapely Trunnion (not seen) w 2+2+1h. All holes round except in Flat & Angle Brkts.

6 animal Kits with mostly special parts for each. MECHAMO was later development of the idea. * Aluminium parts also reported, stamped with PN. * No Strips; also 4.1.

Unusual concave-sided Trunnion. Some 1" Pulleys had MECHAMIX cast into them. * Some 4.0.

Well finished BRAL-like parts. Pulleys, Bush Wheel all plastic including bosses. ** Later bosses FN, d/t, 4.1 bore. *** Later: Bolts CH 6.3 & 5.8 Ø; Nuts 7.2 & 7.4 A/F.

Most parts, sets, similar to WISDOM but colours different. Some new parts including Gears. * Copyright date. * But Gears 4.0. * Mean; also 2.6.

Parts are MECCANO copies with a few new ones. No TRIX connection. *** Based on claim to be compatible.

TEMSI parts & motor, plus special (electronic?) parts. Ref OSN 13/360. Data are for TEMSI. * 12.73 in some parts.

Small sets with original models. Parts are mostly MECCANO copies inc 3*2h Corner Bracket but note a 3-sided Corner Bracket. * M22a, & probably Road Wheel. * At least.

Maker, Heller. 'Constructor' plier type tool had different heads, & more versatile than 'Mechanikus' one in HELLER'S STAHLBAU & MECANICUS. * or '34.

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.

KONSTRUKTORS. Latvian name, SKOLNIEKS used on box. Parts common to EMK, MJA are prob identical. * Rubber Strip used as key. * Mod 1, may have been .6 earlier.

MCS parts inc 1st type M187; 9h Flex Sector Pl; 1" Ply w lg Ø (plas?) boss; 4h Discs?; 24 DP Worm,12,36t Gears; * & 16 DP 12,24,36t (plas?) Gears. Elec set also shown.

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.

No other details.

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.

Many unusual parts inc: single Br Girders w 1 row of holes; Ply Discs w & ss boss, up to 100mm; Flgd Pl 5*5,7*9,7*11h; Perf Pl 7*13h. Data need verifying. See also MECANIC [4].

Slight MERKUR look to some parts, models.

* Name on model leaflet in #2 WISDOM/SAGESSE box. Colours as MECHANIC [1]. * Copyright date on model leaflet.

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.

Parts brightly coloured and include 7h Flat Trunnion.

Ref: *Baukästen* p331 and an Ebay photo of a white lid with a line drawing of a Crane on it.

Strips and most Plates have cut back ends/corners. Spanner stamped ARTIN. * 4.2 also reported. * Nickel Nuts.

Standard MEK-STRUCT parts plus special track parts. MEK-STRUCT data used. * Probably nickel Nuts.

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.

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.

Replaced INVENTOR. Also sets named Ebert & Wifra MERKUR. *inc parts in plastic as well as metal, but not special parts added since '99. *FQ after late '90s. *Earlier BB, DHD 5.6.

Set to make Plotter using standard, modified & electronic parts. Strips, bosses, Axles probably as MERKUR. * Inc 15 electrical.

Good range of standard, dedicated & special parts inc Motor Armature, Compass, Bell, Magnet, Coil, 6-tooth Striker(?), & 5*10h Flgd Plate with 1½cm sq hole at one end.

Full details lacking but standard parts, Bell, Lamp Holder, & Coil can be seen. * Date is speculation but this set seems to have preceded ELEKTRO.

Special Plates to be used with standard parts. * Approx, including perhaps 28 special.

Said to have been made by Metallwarenfabrik Fritz Hochstrate, possibly pre-WW2. Parts (need confirming): black Strips, yellow (or possibly blue) Flgd Plates, red Wheels.

Name only.

Seemingly Dutch. The one set known features small fairground models, & is probably a repackaged MECHANIC [2] set. Special parts inc 7h Trunnion, 11h Curved Strip, 15h Disc.

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).

Unusual parts inc 8*2,4,8,10,20h & 6*6h Triangular Flgd Plates. Plastic Pulleys have radial holes for Rods. * Applies to plastic Sleeve which forms push fit hub of plastic Pulleys.

From *Baukästen* p275, made by a firm called L.W.

In MCS the main pts are MECCANO 5*11h Flgd Pl; 5,11h & Curved Strips; DAS; Flex Plates; Trunnions; Bush Wheel; (1st) Road Wheel. Man cover has river scene w v lg Lifting Bridge.

Plain aluminium parts with some slightly unusual inc 7*7 & 7*15h Plates, 21 & 33h Strips, 2 small Triangular Plates. Machined Pulleys & Flgd Wheel. * Steel. * Bolt FD.

3 CONSTRUCTION [1] sets for Early Learning Centre. * Bevel only.

CONSTRUCTION, BUILDING. Parts in sets seen: M#2,5,6a,12,48a,52,70,1" Discs. Strips have either square or round corners; otherwise all corners square. * At least.

Sets: 2 types of Aero called Spirit of St. Louis; 3 Airship; Hanger; Mooring Mast; Airfield. *METALCRAFT LYONS after '29. *Also reported 27-35. *For Aero only, 69, & Airship only, 32.

Sets with parts to make 12 Goods Wagons, no Loco. *1935 also reported. * Some larger/smaller eg 1/4", 3/32". * Tinplate Flanged Wheels. 3.5 also seen.

As PIONEER.except no A/G. * Under paint.

See BOÎTE DE CONSTRUCTION MÉTALLIQUE.

* 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.

More or less identical to MECCANO, parts made under licence.

L plus some A-J

COMMENTS

Parts as above except for plastic Gears & Sprockets (for plastic Chain), both with brass bosses.

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.

See BSL METALLBAUKASTEN & THALE METALLBAUKASTEN

Black parts. No other details.

*Not always hyphenated. Sets very similar to SCHEFFLERS. Came between SCHEFFLERS & BURGSTÄDTER, * but dates need confirming. * Mod 2 & also gear-like Sprocket. * Nut FK. Small, simple system w various spec parts for Cranes, eg Winding Drum. Pts joined by Studs & N&B. *12.6 in 13h Str. *Mean. & 2x 13mm Ø holes in Sideplate. **& raised c's'k, 7½ Ø. Similar to, or probably the same as AUKI, but perhaps fewer sets. * Scaled, could be ½".

Small system with silvery looking parts, & Crane on lid. One set has Flgd Plates 5*10h w 3*8 cutout, & 4*3h w only centre & edge holes. Another has 5*10h, no cutout, & 5*5h fully perf.

Small box with 2 boys & Bridge on lid. Possible parts: Strips up to 9h; 5*7h Flgd Plate but all data needs confirming. * By scaling.

Details from 1 Set Nr.301/302 with Früh Übt sich on lid. Just Strips, Perf Plates, Discs up to 5h Ø, small wooden Wheel. * After WW2 but also said to be c1930.

* Batterie-Motor. Heavy black parts, later some r/g. Some like simplified MÄRKLIN, but diff Gears, Railings. * Mod.1. * 12.63 mean but 12.4 in some 11h Strips. * eyelets 4.3.

See THALE METALLBAUKASTEN.

Strips, A/Gs, 4h wide Perf Plates in various lengths, & a large Fan. * In Set 1, there was a Set 2.

Mfr as MECHANOTEHNIKA. Parts unlike MECCANO inc: Track & 6-sp Whls; Curved Strip; some Strips w side indents & small hole. *Mod .6. *In Sets 1-4 & 10 (sets 5, 6, 20 not seen)..

METALLBYGGGATS (Swedish name) & Made in Estonia on box. MECHANISKAIS KONSTRUKTORS 2 'SKOLNIEKS' on inner box of 240 set. Parts like EMK. * Rubber Strip.

Most parts aluminium. Strips, Whl+Ply Discs, & 9*5h Flgd Pl with 3*5 cutout Plate (often painted red). Red lid w boy's head beside nice Crane. May be related to DER KLEINE INGENIEUR [2].

Range of repro TRIX parts, with other lengths, & one set, from Metallus. Plastic Gears with ?push-in bosses. ** Probably as TRIX.

Rods joined by various Couplings. Another MCS of this name reported, but no details.

Made by same firm as D.V.s INGENIØR. Many parts similar to MÄRKLIN but unusual Flgd Plates (9*7, & 5*7 Z-section), Railings with X bracing, etc. 3 boys & Funicular Rly on man cover.

Name only.

Name only.

See LE MÉTALLO.

Clamping NBW join Triangles edge-to-edge w DAS crossways. * & 2.4x.65. *some pts 12.0, 8/8.5 for DAS outer holes. *Typ but to 3.4, & 2.9 also. ****& HR FB 6.3 6.0. FN also poss.

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.

Tool w same scope as JUNEERO. ≈3/8" wide Strip, *Pat application in '45; manual PR inc 8/46. Ad in G&T 11/47 w name only & from diff firm. *Hole takes 4.0mm Rod but not 4.06.

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.

Parts stamped METALOR/BELGIUM. In some Angle/Flat Girders only some holes elongated. Strips & Stays (wire with end loops?). Name in a Frame suspended fr a Crane on man cover.

Cane Strips and aluminium Unions. Probably no threaded parts.

Parts look like CONSTRUCTION [1], including yellow Windmill Sails, but different black Motor & Battery Box. * METALTECHNIK on some sets.

*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.

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].

Ebay set shows Tool rather like JUNEERO plus Rod, Strip, Wheel, N&B. Red lid & manual cover show boy w Tool & man working on Big Wheel.

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).

Many special parts for locos, carriages; some similar to TECHNOKID. Strips shown with square ends.

Known from manual for Set A. Parts that look like TRIX. Highest PN, 43.

Parts are basically scaled down MÄRKLIN; models in manuals were initially as 1930s MÄRKLIN but changed later for at least the small sets.

Mostly standard parts or variants thereof. METEOR data quoted.

Standard METEOR parts plus special electrical parts that look similar, but not identical, to scaled down MÄRKLIN ELEX.

Frame parts push together & Panels slot in. ** 1" Loose Pulley push-fit on square section Axle.

Hand press with different heads, and indexing device.

Nickel Strips & Wheel Disc w slots ½-way across Strips, & radially to edge of Disc, between holes. Parts joined by N&B or engaging slots. *Needs confirming, & N&B sizes. *Disc 9.5.

Combination of TRIX-type & MECCANO-type parts. Almost the same as M K A [1] & probably after it. * Bolts FF..

Basically repackaged LYNNCRAFT sets. * Copyright date 1947 on model sheet. * Mostly, but also 3/8", 3/4", & others

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.

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.

Attractive, unusual parts, anodised, with Plates, Wheels, etc in bright colours. * Some early parts steel, nickel plated. * Mod .8.

Set made by Stokys for Migros store. Parts as STOKYS save rectangular section Strips, yellow Flexible Plate, red Pulleys. * Didn't last long.

Simple system with wooden Rods which push into metal U-Clamps. Orange box lid with a Bridge on it.

Ref: EZ p179. Earlier names (from 1916?): ROSETTA, PYTHAGORAS, both plus KONSTRUKTIONSSPIEL. No details, but parts may be wooden.

* MCS says, erroneously, 1907. Parts include Trunnions & Flanged Plate with 4 flanges. Also said to include 8h Whl Disc & larger dia with 10 holes.

Green 5*11h Flanged Plate, Strips, DAS, & bright 2h Ø Pulley. Fawn lid label has simple Bench Set & Trolley.

Essentially a scaled-down version of MERCATOR [1] with thin Strips & neat bosses. * Steel N&B also listed.

2 sets from Walther with limited range of smaller scale STABIL-like parts. * Spanner jaw width.

Blue Strips & A/Gs with 2 rows of staggered holes. Yellow 11h NS, large Flat Trunnion, & 5*3,5,10h Flgd Plates. Large Pulley red plastic. * Also BB Nuts & long Bolts.

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.

From a Der Kleine Praktikant, Größe Ila set. Similar MKA1 but no 'TRIX' parts, & poorer quality. * Probably before MKA1. * In set seen. * Down to 4.3 in a few parts. * Nuts FF.

* MOADOST in MCS (wrongly transliterated). Parts, originally thought like MERKUR, for range of theme models. * A few M3 N&B in Set. * Mod. .8. * At least. * Some ≈4.8. * & 3.5, later?

L plus some A-J

COMMENTS

Name only. A plastic set has been seen on Ebay.

Rods held in slots in sides of Fork Piece by Clamping Bolt. * For Clamping Bolt in Fork Piece.

Parts like MECCANO but unneeded holes omitted. THE BRIDGE BUILDER was similar. Sets for other models probably inc SAS; 3*8h Flgd Plate, & 3/4*3/4" Flgd Plate w only centre hole. Similar or identical to LEDOM. Couplings/Clamping Brackets join Rods. * In Set 00, Set 2 exists. *In Couplings. * In Brackets. * In Couplings.

Unusual Braced Girders with vertical bracing as well as diagonal, Super Road Wheels, & 5*11h Flanged Plates with & without centre cut out. Perf Plates & A/Gs instead of Flanged Plates. * 1916 has been suggested. * Some 4.1-4.2 in Plates & Strips. Alternate round and square holes. * 7/16" exactly. * 4.1 also reported.

Sets, most w ENTECH equivalents but diff packaging. Pts probably from Aries. Also Robotic sets & pts. * Approx, plus Robotic pts, inc Plates, Motors, Sensors, R/C, Microcontroller. All the basic 'early' parts plus Connectors to allow Rods (all w thrd ends) to be used structurally. * Possibly (= Mod .8). * Possibly other parts in Experimental Mechanics Sets. See ORSTA. Name used on lid, manual cover, etc after ORSTA.

Mfr: Skipper. Parts probably identical to MECCANO-MORECRAFT. * Key fixing for some parts. * Most, not all, 12.7x. * Also Snap Rivets.

Mfr: Morecraft. * With hex nut. Also some s/t. * Most 12.7x, also 1/3" & others. * 4.3 in most other parts. * Snap Rivets also.

Rolled Tubes push into Connectors. * Possibly for English markets. * In Plates. * In Connectors. * Of Tubes. * Bolts used to secure Sockets to Baseplate. .

Main parts stainless steel: 14 Strips 2-19h & 7*10h Flgd Plate. No Wheels. Label has 2 boys & a girl playing with skeletal Helicopter. * In Set A, the only set produced.

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.

MECCANO X sold under this name in certain markets.

Strips have raised edges. Also sold as 'R' (CONSTRUCCIONES METALICAS R). * Collar.

Made by Trix/France for Delespaul & given away against 'points'. Identical to TRIX but different colours.

Parts with star-shaped holes held by T-Clips & spring wire Wedges, also Nuts on Threaded Rods (but smooth Axles also). * Centre of star.

Unusual pts: G/box Housing, Rubber Coupling; Motor w separate Mounting Pl & Rev Sw. *Some sets all A. *Mod .5. ***Various inc Bolt 8 M-head; Nut FK 7.9; Bolt FD 7 R-head.

Unusual parts are 7h Trunnions, & fully perforated Flex (?) Plates: 3*11, 3*5, 5*5, 5*9h. Other parts inc 7h A/G, Formed Slotted Strip, 1st M187 Road Wheel. *At least.

Made British Zone post WW2. Parts inc 2,3,5,7,8,11,12,19,20h Strips, 5*11 or 12h Base Pl, flat Sector Pl. Others w STABIL look, inc Gears. *4.2-4.4. *+ a few changes to the parts * & 7.0.

9h long MÄRKLIN Flgd Plate, unusual Trunnions with angled slots each side.

Toy-Kraft brand sets which came after ENTECH. * May be earlier, '05 on.

No other details.

No other details.

Said to include Curved Rods & many parts with tapped holes.

Parts includes some mechanical but mainly electrical & for motors. *2;2.5;3;M4.5 known. *Mod .75 (17 Gears ss boss to be mounted on special Shafts. ** Several threads, heads, etc.

Italian version of MULTIMOTEUR made by G.E.M.M.A., but fewer sets, so perhaps fewer parts.

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.

Parts may be aluminium or * dark steel, & inc Perf Plates 3*7,11h & 7*11,25h; Trapezoidal Plate with 3,5,7h rows. Lid has Bridge spanning the globe. * 2 coarse-toothed Gears.

No other details.

Early phase with parts to PN 140 and * Mod.1 Gears. * or late 1940s. * or 4.0.

Later phase with more parts & 38 DP Gears. A wide range of parts, basically MECCANO inspired but with some similar to MÄRKLIN & many specials. * Not made by 1970.

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.

10mm Strip. Gears etc marked N-G-NEERO MADE IN ENGLAND. Tools, parts like FORGEACIER but M-like 3" Ply. *4BA on some pts like M115. ****For M3 N&B. RH Bolts shown in manual.

Called BOOMTOWN in MCS/FB, & elsewhere. Rods held in special Clamps. Perf Plates up to 8*18h. * Also in Collar, Clamps. ** Longer Bolts R 8.9.

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 w 2.3mm Bush.

See BUILDER BOY.

See BUILDER BOY.

N S F = Nederlandse Seintoestellen Fabriek (Dutch Signal Equipment Factory). Aluminium Flex Plates, Pulleys, & Wheels. May have existed in '30s.

No other details. Perhaps an error for N S F.

Made by Max Pistor, reference *Baukästen* p293.

Tiny nicked parts with aluminium Wheels. * Nuts aluminium.

Name only.

Early parts unpainted. Later parts, inc 27-hole Strips & red Plates inc 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.

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.

Some parts like OPSET METALMEC, plus specials inc 11*5h Flgd Plate w15 additional 10mm Ø holes, 5 replacing holes & 10 in the middle of square groups of standard 4 holes.

4-spoke 3" Pulleys; 1" Pulleys have rubber inserts to hold them. * In Set 5 but manual shows a few other parts.

No other details.

Mostly MÄRKLIN-like parts inc Trunnions, Curved Strip, 5*11h Flgd Plate. Odd bilingual label.

2 Sets, Modelltechnik P01, P02, with pneumatic components & CONSTRUCTION [1] parts to mount them. * Possibly from '85 or before. * Plus M10 Rings.

Gears Accessory Set probably aimed at MECCANO users, but Spur Gears reported to run at .93" centres & not the 1" implied from the claimed pcd's.

Std parts inc MÄRKLIN-type 5*11h Flgd Plate, 21h A/G w all sltd holes, 7h Trunnion w side holes sltd. Dedicated parts inc Motor Armature, Coil, Lamp Holder, Reflector, U Magnet.

Manual for sets I & II known with some parts in commom with the Electrical Set. * In Set II.

L plus some A-J
COMMENTS

*Light red plastic pushfit Pulley, Semi-circ & 3*3h Triang Plates. *Also sq Nuts, same A/F. Early Strips said to have 45° corners (not seen), later rounded. cf VOGUE, PIONEER.

The one illustration available shows a typical MECCANO model.

See AÉRO TECHNIQUE MACREZ

*Last poss date. *Circular pts have recess for driving dog. *1926 STABIL-type Gears, 1.8 Mod. *Alt holes 3.2 w side slots – parts joined by flat Key pushed thru these slots & turned.

A set for a 1.5m high Eiffel Tower has mainly Strips with end & centre holes, plus Railings.

See *Baukästen* p267 - steel 'Pins' used instead of Bolts (I think it says).

Parts in the Nr.0 set known inc 2-11h Strips & 5*5, 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.

Parts include DAS, SAS, 5*11h Flgd Plate with 3*7h cutout, 3*7h Perf Plate, & small near triangular Windmill Sail. *12.4 also reported.

Parts mostly Strips & DAS. Strips joined by a Clip held by a Wedge. *Nominal size of rolled, thin walled tubular Axle. Pulley is a push fit on it,

Sets: MECHANICAL ENGINEER ME 1200; later ME 1201 w same name & COMPACT MECHANICAL ENGINEER ME 1250. See also NORELCO. *Mod 1.67. *Bush. **Also 2.0mm w 2.3mm Bush.

A 'serious' optical system rather than a toy.* including 12 glass: lenses etc.

Name only.

Described as looking like a 1970/80s version of ELEKTRO.

Finnish name for MEHANO(TEHNIKA) Electrical set, q.v.

Same or sim to DKE & prob later. A few Strips, Brkts used w plastic Flgd Pl & elec parts (some steel). Box has ELEKTROBAUKASTEN PIKO MECHANIK on it. *4.2 in 9h Str. *Only in Pulley.

Wood strips 5/32" sq & larger w sm holes through for steel Split Pins. *G&T ad for 'New Constructional Toy'; MCS is '13. *Inc 24 metal. * & 1/4". *Split Pin, mean.

Followed PINIT with larger holes/Pins, & metal Strips, Discs. Wood Strips are 1/4" sq with 1/2" pitch holes. * Called NEW PIN-IT in ads seen. ** For steel Strips. * Split Pin.

As VOGUE but fewer parts. Dimensions assumed as VOGUE.

Pale green & black parts. Unusual parts are Windmill Sail w alt 1 & 2 crosswise slots at 1/4" pitch; & a flat S Hook. *Approx DP of MÄRKLIN type Gear Rings. *12.75 in pts seen.

Main parts shown in manual: Strips & Flgd Plates. A few parts like MERKUR eg 6-spoke Pulley. Called PIONIERUL CONSTRUCTOR in manual but parts have different character.

Parts inc 7h Flgd Sector Plate & 12h Bush Whl. * In Set 2. * MCS has 12.8 & parts may differ somewhat. * Up to 4.5 in some parts. (See also PIONIER CONSTRUCTOR.)

Yellow & red panels fit between black Strip, Angle framework. Beautiful coloured lid showing landscape with Railway Station & other Buildings.

Strips have alternate holes & slots. Same maker as DUX, & DUX on some Spanners, PITT on others.

MECCANO look but diff pitch & Ø. 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 manuals.

Other names said to be used for BURGSTÄDTER. Data from BURGSTÄDTER. * Mod 2.

Made by the same firm as BURGSTÄDTER & parts though smaller, have similar look. * Mod 1. * 4.1 in some sets. * Nuts also FD.

Parts with PLEASURE BEACH transfer on them belong to CONSTRUCTO [4] (CONSTRUCTO was a 'Pleasure Beach' production).

Standard parts & electrical components for 'Robots'. Mainly intended for schools.

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.

Sets fr Polylong & prob other makers sold under various brand names (see Part 2). Most parts as CNN1 but some others. *Mod.1 & finer for Motor/Gear Unit. *6.1 & 7.4 also reported.

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.

Bridges & other models from shallow Channel Girders, Strips, Plates. Holes often in groups of 3. * Hex Nuts also reported. Some Bolts C. * Some may have brass finish.

Maker's name, see KELMAR.

Many unusual Plates, eg 5 & 11h long Flgd Sector Pl; 3-11h long Single Flgd Pl, thick Flex Pl. ** SC BB 7.9 6.2 may also be found. Manual shows R & C head Bolts & small hex Nuts.

Some parts painted in more than one colour. Fastening is plastic plug into plastic washer. Wheels push-fit. *MCS has '50s-'57 but Pat. App. 1957. *12.7 in Flgd Plate.

Tool, Strip, A/G, Lattice Girders, & wide range of Gears etc. PRESTACON on Tyres. *Road Wheels s/f. *Also square punch. *Hex Nuts also shown. ** 6.6 & 5.5 also possible.

Name only.

*Or 14e. *Most, or 5BA? Some smaller. Later 5/32W. *Inc Big Wheel parts. *Typical but > 4.3. *For Bolts w C look, but many others. Big Whl N&B: 4x32 SM BB 6.4 7.6-7.9.

Parts, many dedicated, to make a Loco. Standard data assumed. * Probably smaller than 5/32 in bosses.

Mostly special parts. Manual shows bodies from standard & DIY parts. * Or 5BA?, though 7BA Set Screw shown. * Double Gear 4.9.

Loco & various Railway Wagons with some common parts & same Axles/Wheels as one version of BILT-E-ZE (held by Split Pins). *Also sq Nuts. *Nuts BB & ?N.

Ref: *Baukästen* p296 - intended for model building in schools.

Basic structural parts are A/G w long slots in both flanges, & 4mm Rods. *Often at 120°. *Mod .7. ** & 4mm. *Much later FQ w P head, FK w c head. *5.4 later. *5.5 for Bolts > 6mm lg.

Square Tubes, Strips, Plates, & probably mechanical parts.

Bamboo Strips held in metal fittings with slide locking. * Patent date, introduced in UK in 1921. * About half are metal.

Different lengths of Braced Girders joined with 3h long A/Gs. Also an octagonal Plate, Wheels, some spoked, & perhaps a Gear.

Ref: EZ p179. Other names MIKRONO & ROSETTA, both followed by KONSTRUKTIONSSPIEL. No details except parts may be wooden.

Sets with this name sold by Quelle, a mail order house, & have TRIX in small letters on them. Probably as TRIX [1d].

Probably CONSTRUCTION [1] parts/sets repackaged for Quelle. CONSTRUCTION data assumed.

MEK-STRUCT parts packaged for Quelle. MEK-STRUCT data assumed. METALLBAUKASTEN on box with Good Play smaller.

Small set with Car on lid, 2 blokes by it & woman watching from a distance. Parts inc 5*11h Perf Plate, Triang Plate (Flat Trunnion) with 5/3/1h, 3h Ø Pulleys with fat Rubber Rings.

ERECTOR & MEKSTRUCT sets with RADIO SHACK name on them as well. Are any sets special to R S?

TRIX-like parts with sets like Units A & B. * Not Nut which is possibly cadmium.

Parts include Strips, Brackets, 9h Ø Plate, & special parts for large Roundabout & Big Wheel inc * large Ø Axle & Bearing.

Parts look like ZICK-ZACK [2] & from same maker. Data assumed as Z-Z2.

Known from Tower Bridge on box lid which looks like MECCANO. Post WW1, sets with MÄRKLIN like parts, called MÄRKLIN-REX, were sold.

Parts similar to MECCANO but fully perforated 188; 4h 24; 5h 126,a; etc. *In (only known) Set 101.

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.

L plus some A-J

COMMENTS

Name changed to CONSTRUCTIONS R.M.

Tubes used to make skeletal models. See FANTASIE 'R'.

See SPIROU.

Wood Blocks w Rods joined by J Clamps. Also called BAUKERL ROBO. Looks very like EL INGENIERO MECANICO. & see LIL'N-GINEER. *J Clamp Grub Screw. *In Blocks. *Baukästen*, p300, says aluminium Tubes with no N&B or pins.

Originally listed as Russian. Design of parts is like German TRIX. ** R head 6.7 also found in set.

Ref: EZ p179. Other names MIKRONO & PYTHAGORAS, both followed by KONSTRUKTIONSSPIEL. No details, but parts may be wooden.

Conventional parts but Flgd Plate brassed & some parts coppered. Lid has 'RUR' vertically, made from Strips, 2 boys with Rly Bridge w Signals, & Crane in background.

Pts look as KVT sf Trunnion, & data assumed the same. *Name only seen on manual: Russian Meccano N2 (w Armoured Car' under it). *Set seen unused but new? *4.8 in Bush Whl.

Nr.1 known, & Tractor set with mostly spec parts. Parts seen in Nr.1 don't match those in manual (some unusual, some show few holes). Models said to suit steam or elec power.

Name used in French markets for WISDOM. * Also 2.6mm for Wheels 015.

* Probably the maker's name. Ref. *Baukästen* p316.

Dull plated parts including 39mm Disc with 'square' pattern holes. White lid has name in red & 2 blue models, a Big Wheel & Crane, cf SAKOLO. * But clearance hole right through.

Lid design as SAKO but lg models, a Grabbing Crane & Lorry. Black parts like MÄRKLIN. An Accessory set pic has A/Gs, Tyres, & a bright 9(ish) hole Ø Annulus w rings of 6 & 12 holes..

An Ebay No.2 box has lid w name of Strips & open Lorry. Parts inc some bright Strips but darker smaller parts, & bright (alloy?) Pulleys w Rubber Rings. **Baukästen* has c1946-48.

Set or sets from VEB Landmaschinenbau Bernburg to make agricultural machines. A comparable set from VEB Landmaschinenbau Torgau is known. Probably mostly special parts.

Called METALL-BAUKASTEN in 70s, parts identical & PNs/sets same. *but all dates need confirming. *Mod 2, also for gear-like Sprocket. *MCS 12.87. *HR also reported. *Nut FK.

Maker, in Berlin, from *Baukästen*, p304.

10 Junior Technic sets which appear to be repackaged MERKUR. MERKUR data quoted.

Name only.

Data from a #1 set. Pts inc Windmill Sail w 2*6 lg holes & poss 15h Str in Crane on box lid. *Some steel pts in another #1 set, poss by diff maker. *In #1 set. *or Axles w threaded ends.

Most parts like MÄRKLIN but Windmill Sail w 2*6 lg rd 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.

Parts inc range of unusual size Flanged Plates, large & small Tractor Tyres & Hubs, C/W Motor.

Name only.

Photo shows METALCRAFT 810 models, & instructions for same headed Seymour Airplane Factory. Also a promo set for Voigt with 900 series parts.

Coloured wooden Blocks held in metal Frames. Same maker as KEIM.

Electrical parts to make Bell, Motor, etc, mounted on wooden Base Board. *Not sure what part(s) this applies to.

A cheap set possibly the same as BAUFIX,

Dec 1913 pat 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].

MME under another name, so Strips have square ends & turned over edges, and Wheels held with special Clips.

Parts probably as MODERN-MORECRAFT [b] despite date, but clarification needed. * 12.7x, also 1/3" & others.

3/8" wide Strips, rubber Wheels, & 5 Plates inc 2 flanged & 2 with 2h deep flanges. * Also hex, same A/F.

A small set was advertised, probably with KLIPTIKO parts. Relevant data from KLIPTIKO.

Details from German language leaflet. *In smallest (Knirps) set - 3*5h Flgd Plate, Strips, Brackets, Wheel Disc, Pulley Disc. 2 larger sets, Kadett & Primus, but no details.

Ebay pics shown dull grey Strips with rectangular slotted holes (except round end holes), & wire 'Ladders'.

Also in MCS as VEB INJECTA, the mfr fr '56. Pts inc 18h Str, Dble Str, A/G. *Mod 1.5. *inc 15 in Gears set. * & 5.4. *Nut FJ. Later Pionier sets w coloured anodised pts & ***FN 6.9 6.9.

Plates bolt to tapped Cubes, & 1/4" Ø Rods, w tapped ends & cross-taps, as extra members & axles. *Patent application/acceptance dates. **Multi-tapped fr Pulley vee. *Both serrated.

* Bilingual names. The illustrated parts are as those of TEMSI and BCM. * May be 12.73 in 25h Strip & other parts.

Only very poor Ebay photo. Splint means split pin.

Wood & nickel or tin plated metal parts. The wooden Pulleys have brass plated steel bosses. **Probably for the maker, not the system. *Inc 16 wooden.

*S S S stands for Sterk, Stabiel, Solide. TRIX-like pts sf Flgd Pl, Crank Handle, Pulley, & double-sided Hook. Dimensions given are fr a poss example of the latter. *At least in Set 2 (of 3).

12.3 wide Str, 3-20h, often used curved; Gears w & ss bs, & Worm (wire in man'l but solid in late sets. Mfr: Ehrlich; Horseljau; Teuteberg. *Mod.75. *mean. *Late may be FQ.

Strips slotted full length. * Bevel only. * Probably 15mm in Flgd Plate. * Typical, up to 4.3. * M4 threaded ends. ** Also Bolts D, 8.1; C, 7.0.

A few wooden parts. * Mod 1.8. Also normal gears, DP 42 (Mod .6). Early large teeth 'outline', later Bakelite. * Inc 50 special parts. * Many 3.95-4.00.

Metal frameworks, including STABIL & some special parts, woven with wool. * And Wool. * Plus some small holes.

2 sets advertised in 1933 but probably never on sale. If they were, probably as ELECTRIC sets 1 & 2.

Name only.

10 small sets to make simplicity models inc a Xmas Tree (cf BRAL model) from Eitech looking parts.

May have preceded STABA [2], see *Baukästen* p264.

From Ebay. Black Strips, Brackets, probably for Bridge on lid, but red Wheels in the box.

Set made by a Crane company. Manual cover has 2 boys building a Gantry Crane with conventional parts, & man at drawing board in background.

Simple system with Crane, Pylon & Tower on blue lid. Main parts are Strips, a 10h A/G, & a 6*10h Flgd Plate.

See THALE STAHLBAU TECHNIK

Rods & flat Strips joined with Clamps. * STAHL-KLEMM after 1968.

Parts engage together by small pushed-thru indentations/pips & are held by Clips as well as N&B. Tyres, Spanners, Gears have name on them *1931 known; French patent '33.

L plus some A-J

COMMENTS

Much more elaborate than DINKY BUILDER with larger parts. * Only in centre of 'braced' Plates.

Parts generally look like MECCANO/BRAL but 6 point decorative star holes replace outer vee cutouts in BRAL-style Braced Girder.

Made by ALKO GmbH, see Baukästen p229. *Firm bought out.

Lid & man'l cover has METALLBAUKASTEN in lg & STATO-BAU in v sm letters. Slots & holes in parts. 1 shallow flange on v lg Curved, & A/Gs; 2 on U-Girders * Mod.1.2, needs confirming.

* Sometimes STEELBUILDER. Some architectural models. Parts bolted together or held by Slide Fasteners. Patent & manual copyright, 1934. * Plus multiples & others.

Sim WISDOM/MECHANIX but dark grey metallic Str, silver Flgd Pl, purplish-blue plas Flex Pl, red Trunnions/Whl Hub. *Also note Pitch, but parts have same outer size. C/W Motor smaller.

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.

Mfr: Klax Co., may have been owned by Gilbert. Said to have produced 5 sets.

Included some parts used in 1924 ERECTOR. Strips have alternate holes & ½" long slots. * 4.3 in Flgd Plate, Curved Strips, & other parts - maybe all under paint, but 4.1 also possible.

Name believed to have been used by unknown US store for DUPLEX STANDARD CONSTRUCTION TOY, q.v. for probable details. * Not necessarily for all this period.

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.

Name used by Montgomery Ward for DUPLEX STANDARD CONSTRUCTION TOY, q.v. for details. * Not necessarily for all this period.

Many special plastic parts. * Square thread. * Plastic, some with plastic sleeves on 3mm steel. * Square recess.

Sets with some parts like STEEL TEC but many specials, usually plastic, for Bikes & Cars. * In SUV set.

Large Trusses & Channel Girders for structures. * Multiples of exactly 3/8".

Finish is Antique Copper (black with copper bands 1" apart) or nickel plated. cf AMB, STRUCTO.

Blue, orange, white, nickel parts, many sim WISDOM etc, some identical. But diff pitch, tho parts same size o/a. cf S B2. * & 2.6 for push-on Road Wheels. * r head for long Bolts.

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.

Printed aluminium panels bolted to frameworks of standard parts. * Including 7 standard parts.

Small set seen on Ebay has green 5h Strips & possibly some dark red parts. Also a 9*5h Flgd Plate.

Mostly smallish parts. 5h Ø Disc has rings of 6 & 12h w stiffening ridge between. Some parts rather like STRUC. *In some sets, M3 in others. *Nuts FD. [M3 are HT, Nut BB 6.2, Bolt FN 5.5.]

Fair range of normal parts plus Half Pulleys, Braced Girders with large centre holes, & large cast alloy gears, marked STRUC. * Mod 2. ** Also Bolts FF, 5.7m.

Parts probably as AUTO-CYCLE but fewer. Some different models. * CR + AS.

Also called BING'S CONSTRUCTOR. Rods held in Unions by Wedge Sleeves. *Could be '32 but poss by Carl Riel fr '25. UK ads till '24. * & wood Base Boards. *Only to attach model to Base.

Badly made, badly designed parts with few holes. * Most pairs of holes, otherwise variable.

Manual cover shows slightly unusual looking MECCANO-style parts, inc 5*6h Plate, 5*6h Flgd Plate, 5h long Sector Plate, Bevel, & Sprocket.

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.

Kits for 1 vehicle ea w some pts common. Data for #8. *Fr 12/17 Structo ad. Also sold abt then under a different name. *But '27 ad in G&T. *In Steering Arms. *In #12. **Often.

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.

Similar to TRIANGLE, by same maker. Frame sides from Flanged Triangular Frames bolted together, spaced across by narrow Plates. * Also 3.2 for Axles.

3/8" wide Strips w alt holes & lg slots. *But Scr Rods .12"x40. *Not seen. *Basic hole pitch 5/8" exactly; 25/16" in Slotted Strips. *Mean for Whls ss boss. *Hex Nuts earlier. *Also ? FN.

Electrical parts plus Strips, Discs, Flgd Plate. Elec-mech models inc Crane with electromagnet.

A shrink-wrapped set containing a small selection of nickelled BUZ parts, sold only through chain stores. BUZ data used. Also a larger set, boxed with 5*11h Flanged Plate.

Previously included in MCS under DAN DARE. Models jet powered vehicles, mainly then current aircraft. * Also 1¼", 2" & others. * Generally, some up to 4.6mm.

Name only.

There may be 2 systems/versions of this name. No other details.

Name only.

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.

CONSTRUCTION [1] parts in 4 Sets packed for Bart Smit store.

MERKUR parts in sets packed for Bart Smit store.

Shallow Channels ald strips, A/Gs, Brkts. *A few A, wood Spool, plas Whls. *Channels, 4.5 in Brkts. *M19, no Axles. *Some Bolts X-head, csk. *Bolt FN. * & 9mm. * & FD 6.3 known.

No other details.

Steel parts nickel plated, but wooden Wheels.

Entry based on one Junior set seen on Australian Ebay. 6 models on lid & manual cover. Parts inc 5*10h Flgd Pl, 4*5h Flex Pl.

UK name for a German Kosmos set. Mainly special parts for science experiments.

Set A seen; 'B' only in ad. ¼" Rods w thr'd'd ends joined by Couplings. Lg Bases. *Sample Whl goes over thread but not smooth part of Rod. *Also acorn Nuts? **7/16" nominal.

Made by Adolf Huck. Names may be for UK/German markets. Parts probably improved version of SIMPLICIO. * Only in Plates. * Set Screw.

Small set said to have nickelled, brassed, red, silver (or aluminium?) parts. Lid photo in Eisenzeit Pl.60, & Baukästen p218 + open box w grey Strips, Plates. *um 1947-49 in Baukästen.

Probably similar to SIMPLICIO. May be the same but for German market.

Parts look very like STABIL. Manual cover has 2 boys working on Crane & Telpher Railway.

Thought to be German original of TECHNICAL KID.

Name only. Could this be TEKNO [3], with a different rendering of the original Hebrew name?

Probably repackaged Chinese MECHANIC OR MECHANIX, sold in Germany by Remus.

Parts like TRIX but r/g & no alternate centre line holes in longer Strips; 54mm Ply Disc; black formed Road Whl. ***Bright Bolts but also black F-head Bolts, 5.4 Ø; Nuts various finishes.

3 makers including Kosmos. * Various lengths of Rod up to c30cm joined by interlocking Connectors (M212a type). * In Baseboard. * Possibly 3.5.

Strips have square ends. Edges of plates slightly crenelated & fit together. Some parts mainly for featured Railcar model.

Ref: B S p111.

L plus some A-J

COMMENTS

Parts have long slots, most stamped TECNIC. * Some 2nd bores not tapped. * Mod 1. * Gears & some bosses, 4.2. * 4.0 also reported. * & hex Nuts, as sq ones. * Nuts also ZZ. MÄRKLIN copy, more or less, except Hook like M57c. * 14t Universal Gear.

Parts probably the same as Phase 1 AVIADYP but may have preceded it.

Some Strips/AGs have long slots. * Needs confirming. * & multiples, but with exceptions. * Special larger holes for Axles.

As MECANIKIT. Pts inc red Strips, 11h Flgd Sector Pl, 5h Trun. TECNIT cast into alloy Pulley. Pts w either rd or sq corners. * Some aluminium parts also exist. *Or Sq Nuts, same A/F.

No other details.

No other details. TECHNOR is a French system with plastic parts.

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.

Said to be 5 sets, similar to ERECTOR.

Some unusual parts similar to ABRA. Probably identical to TEKNO [1].

Parts inc Single Flanged Plates, DAS w centre boss, Gears including Curved Rack. ** Longer bolts RH 7.1 Ø. N&B data need checking.

Details from incomplete No.1 snip, probably as 1962 MECCANO No.1. * Needed for the MECCANO models on the lid. * Shallow head.

Probably identical to TEKNIK [1]. Also a TEKNO-ELECTRO like TRIX. *1939 definitely but 1931 also reported. *As prewar TRIX. *36-38; Mod ≈7. Also gears with TRIX teeth. *Nuts BB.

Many parts M-like. Unusual pts inc Eccentric Whl, 96mm Ø Ply, 32*15cm Perf Pl &, added to the PL, a 60mm plastic Whl. *Reported, '64 for sure. *A at one point postwar.

Parts generally like VASEK (many MÄRKLIN-style) but significant differences. * Inc many lengths of Fibre Plates, but long lengths in sets to cut up. * Also 6.7.

TRIX-like parts, painted dark red/green. Bright yellow lids with boy & models. * Danish in MCS.

cf SPIROU, BCM. *May be 1946. ** Current, earlier fewer parts and Nut was 7.8mm A/F. *12.73 in many parts.

M-like pts sf 27,13h Strips, 9*5 Flgd & 3*9 Perf Pl, Truns w some sld h, M19b ss sld h, 3,4h lg sld Cranks. Sq corners sf Strips, etc. ** 4.3, 4.0 also reported. * M head for lg Bolts.

Mentioned as TEXAS metal construction set in MACON leaflet.

An educational set for schools. Only the manual (11 cards inside a folder) has been seen, & also has METALLBAUTECHNIK on it. Pts inc 5*11h Flgd Pl not in TSK. *PR: P 321/70.

Some hole patterns not as MCS. 5.7 holes ald slots qqf. *Mod 1.25. *inc 10 in Geometrie set. *Early: 12.7. *Early: 4.1. *R Bolts in MCS. * & FK Nuts. Early Bolt/Nut: F FF 7.8/H AA 7.9.

See MODEL BRIDGE.

Mainly Strips (5-15h), Flgd Plates up to 24*6h, & some special parts eg fairground pts. A few parts are marked URBANA MFG. CO. URBANA. OHIO. U.S.A. * 7/16". * A few up to 4.4.

Strips w raised edges; special pressed parts. *8-32 N&B also poss. *12.63-12.73. Also Strips w centre hole abt 17.6mm fr adjacent holes. *4.7-5.3. ****For 8-32: SM FN 9.7 8.3.

* Maker's name. Ref: *Baukästen* p316.

UK name for MEHANO(TEHNIKA) Electrical set, q.v.

WALTHER'S INGENIEUR under this name. * In Set 8.

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.

Ref: name only in MCS.

Set to make full-size Scooter & other models from, say, 20cm Wheels & 19mm Tubes. * Also 8mm. * Special conical shape. * Also 14 for 8mm thread.

Selection of BILT-E-Z parts made with new tooling.

Parts inc 77,118mm Ø Flgd Plates; Spkts > 98mm. Flat Plate w top/btm red/blue. *c1970 in Bk. *Mod .75; & 24 DP, Mod 1.05, to mate w Spkts. *Black parts; 3.4 in painted parts.

Name used for early small ERECTOR sets. Later sets called ERECTOR TOY BUILDER.

5 small single-model sets from company with rocking horse logo. Many parts like TECNICA & MR MECHANIC.

See KONSTRUKTOR UNIVERSAL'NYI.

Main parts are brass plated and inc: '5h' Strip with 3 holes & 2 large diamonds, 3*9h Perf Plate, 23mm Ø Disc. Boy, girl & large skeletal House on lid.

* On box; model sheet has TOYTOWN. Special small set from makers of TOY TOWN [2]. 3*5h Flat Bracket, 1*1h Angle Bracket, & small Disc. * 3/8".

3 'Engineering Sets' known with usual small range of M-like parts (+ 15h Strips), but other parts on manual cover inc 3" Pulley. TOY TOWN [1] from same maker has entirely different parts.

Wood Strips & Plates with steel fittings. Data from Set 1. * Inc 15 metal.

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. * Sq Nuts in Model Leaflet.

Name only.

The only structural parts are RH & LH Flanged Triangles, 2½*¾". Known from 1921 ads. May have been short lived. * 1¼". * In the Flgd Triangles.

No parts seen.

* Up to 7.84 found. *** Also HT 6.1 6.0.

New parts include 2 Circular Strips, Universal, Tyres, electrical items. * 21 electrical parts included.

Additional plastic parts, mostly Gears & Pulleys. Circ. 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.

* or similar, not all UK N&B fit Continental ones. * Some s/t. * Shortest seen 7.75.

* A/Gs (nearly?) always aluminium. Flanged Plate usually; other parts occasionally. Parts painted from 1960.

Data fr early postwar Sets 1,1a. Parts nickel fr '50; painted fr c'59 & stamped ECF at some stage. *Production restart c'47. German imports post '68. *Up to 7.85. *May be FF. FB later.

Units A-G, etc. Some parts nickelled & may have been made in US; others probably imported.

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.

Name used by Sears Roebuck for DUPLEX STANDARD CONSTRUCTION TOY, q.v. for details. * Not necessarily for all this period.

Realistic models with many (most?) dedicated parts.

5.5mm Tubes joined w fold over Clips, Flex Pl, wood Plys held on Tubes by cone Clips. Coloured parts reported but prob not. Sold in UK '34-5. * Patent date. * In Flex Pl, no Strips.

7mm Tubes connected by Clamps, with Plates bolted on. * 1930s from *Eisenzeit*.

Special parts to make human & animal figures. Ball joints clamped in 'Strips' by small N&B give movement.

Most parts like TRIX but some differ in size & design. Nice Chair-O-Planes on lid & manual cover. * At least.

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.

L plus some A-J

COMMENTS

Springs (short lengths of spring curtain wire) push into Connectors, with Plates clipping over the Springs.

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.

Made by Otto Schlenker; *Baukästen*, p304 mentions cheap flexible Strips.

* 45-55 in MCS. * Deduced from illustrations of circular parts & their stated diameters though parts look MÄRKLIN-like & Swing Bridge in MCS is as a '20 MÄRKLIN manual.

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.

Strips, a few Plates inc 1 flanged shown w top unpierced, Pulleys, Discs, & Tyres. No holes shown, all rectangular slots. *1 or 2 Wheels wood; 1 (+ other parts?) aluminium.

Theme set to make 2 Tractors, with special parts. No other details. *1961 reported.

Name & dates only.

Many MÄRKLIN type parts; + many Strip/Flat Brkts; & in fibre: Triang Pl; Perf Pl 2,3,5h*25h long, & 7*12h; 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.

Later called AUTOMATION. Parts only, no sets. Wheels etc probably push fit on axles. Parts must be cut to length. * Inc 4 long plastic Plates & Strips.

'Classical' simple Aero set with corrugated parts. * 12.5—13 likely.

Ebay pic shows bright Strips, orange 9*5h Flgd Pl, & 6 Tyred Pulleys (yellow & red). Lid & manual cover have VERSOR across top left corner, & KONSTRUKTOR in larger letters.

Kits & parts for Robots, mainly structural parts, gears, wheels, sensors, R/C. *Large range. *Square, also a few 3.2 Ø. **Square Axles & bores. *Also FK Bolts.

Small parts through 5h except 10h Strip, for Cranes & Diggers. Motor & separate Gearbox.

cf PIONEER, METALCRAFT, & PALIKIT. Corners of Strips cut at 45°. * Known for sure 1957. * Also square Nut, same A/F.

Panels that fit together. probably without N&B. cf CONSTRUC.

* 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 5*3 Flgd Plate flanged on its long sides.

Parts joined with bifurcated paper clips. In France INGENIEUR WALTHER was original name of ARTS ET MÉTIERS Série 3. * Approx. inc at least 20 wooden.

Main parts: Strips > 25h; 5*9h Flgd Plate; 5 & 7h DAS; 5h long Flgd Sector Plate; 3 & 5h Ø TRIX type Pulley Discs. * For M4. SD for the M3 N&B, if genuine.

See DER JUNGE BAUMEISTER [2]

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*.

Small tongued & grooved pressed metal parts which push into one another to form walls & roofs.

Early postwar copy of German TRIX. Lid has name, 'WM' made from Strips, an original Tractor, & one other model.

Red Flgd Plates, & Strips etc which could be brass plated, or dull grey. Is this the TECHNIK-METALLBAUKASTEN WESTFALIA mentioned in EZ?

First name of PROTO, changed soon after launch.

* Maker's name. Sets to make Overhead Railway. Ref: *Baukästen* p325.

The No.0 lid is printed red w simple crane. Pts: Str, some w sltd h, Pl, & wood Ply. * & 3x.6. *In No.0. *Multiples, & others in Pl. *Into 7.8mm Ø wood Winding Rod. *+ 5.6mm Ø RH.

Perhaps this is Wifra MERKUR, see MERKUR [1].

Parts in only photo seen look like nickel MECCANO. Lid label has blue background & boy playing with a small Crane. * About, probably. * At least.

cf CONSTRUCT-O-STEEL, CONSTRUCTION MODELS. Sold as SAGESSE in French markets. Parts inc 7h Flgd Sector Plate, & 7h Trunnions * Also 2.6mm for Wheels 015.

Lid has a 4-span Bridge on pale yellow cover, w Wir bauen eine Brücke in red along b

* Maker's name. Set to make electric Mine Railway. Ref: *Baukästen* p325.

Name used in MCS/NZ for KONSTRUKTOR-SHKOL'NIK.

* KONSTRUKTOR in MCS. Parts inc MÄRKLIN-type 5*11h Flgd Plate; Conveyor Belts & parts for, eg Rollers & (?) sheet metal Brackets; Strips 3-25h inc 10 & 11.

Name used in MCS for YUNYI UMELETS.

A set to demonstrate geometrical properties with Rods, transparent Perforated Plates, & elastic Cords.

** LE JEUNE INGÉNIEUR. Bilingual names. Parts from MERKUR & details assumed the same.

Mostly copies of the newer MECCANO parts. * Rubber ½" Pulley. * 1" plastic Loose Pulley. * Also RH Bolt, FQ, 5.9 DHD.

Parts in manual look generally like BETTAFIT. The hole pitch/dia is for parts that might be genuine.

IOHOCTb in MCS. MECCANO copy. MECCANO manual models except Helicopter on cover. *Often Al Strips, Flgd Pl; steel Flex Pl. But may be all Al parts earlier.

One set of KONSTRUKTOR [11]. Name, in Cyrillics, is moulded into box but is not on Model Sheet.

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.

Strips with 2 rows of staggered holes.

Ordinary pts sf 14, 18h A/G; 5*2,4,5h Flgd Pl; 9h Flgd Pl w 3*5 cutout; 50mm 6h Disc; short Twisted Str. Sharp cornered Plates, A/Gs. * & d. *to 12.8. *to 5.0. *Al. ****Others poss.

Known only from TRIX-like parts in Crane on box lid.

Preceded FG METALLBAUKASTEN, & is probably the same. Data from FG set.