

Tonearm Specifications v.2.06

<i>Effective length</i>	distance from stylus to pivot point (mm)
<i>Overhang</i>	distance from stylus to spindle centre(mm)
<i>Offset</i>	headshell offset (degrees)
<i>Mounting distance</i>	distance from pivot point to spindle centre (mm)
<i>Cartridge weight</i>	cartridge weight range (g)
<i>Arm mass</i>	arm effective mass (g)
<i>VTA Adjust</i>	vertical tracking angle adjustment (yes/no)
<i>Mounting Pattern</i>	mounting pattern for arm base (mm dia or type)

Specifications taken from original manufacturers data where available. Other sources include magazine reviews and direct measurement. Dimensions are believed correct at the time of publication but no liability is accepted for inaccuracies herein. All data has been made available for comparison purposes only.

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Acos (Koshin Denki)	GST 1	237	15	21.6	222				
Acos (Koshin Denki)	GST 801	240	17	21.5	223				
Acos (Koshin Denki)	ST 601	237	15	21.6	222				
ADC	40	9"	0.7"		8.3"				9/16"
ADC	85	9"	0.7"		8.3"				9/16"
ADC	LMF 1	237	15	21.6	222				

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Audio Technica	AT 1100	240	15	21.5	225	4-11		y	21
Audio Technica	AT 1120	240	15	21.5	225	2-6			sme
Audio Technica	AT 1130	244	17	21.5	227	4-12		y	sme
Audio Technica	AT 1501 I	282	12	18	270			y	23
Audio Technica	AT 1501 II	282	12	18	270			y	23
Audio Technica	AT 1501 III	285	12	18	273			y	23
Audio Technica	AT 1501 IV	285	12	18	273			y	23
Audio Technica	AT 1503 I	254	15	21	239			y	23
Audio Technica	AT 1503 II	254	15	21	239			y	23
Audio Technica	AT 1503 III	257	15	21	242			y	23
Audio Technica	AT 1503 IIIa	257	15	21	242			y	23
Audio Technica	AT 1503 IV	257	15	21	242			y	23
Audio Technica	ATP 12T	257	15		242	3-23		y	23
Audio Technica	ATP 16T	285	12		273	3-23		y	23
Audiocraft / Ultracraft	AC 30	237	15	22	222				22

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Audiocraft / Ultracraft	AC 300 C	237	15	22	222	3.5-15		y	22
Audiocraft / Ultracraft	AC 300 mk II	237	15	22	222			y	22
Audiocraft / Ultracraft	AC 3000	237	15	22	222				22
Audiocraft / Ultracraft	AC 3300	237	15	22	222				22
Audiocraft / Ultracraft	AC 400 C	283	13	18.5	270	3.5-17		y	22
Audiocraft / Ultracraft	AC 400 mk II	283	13	18.5	270			y	22
Audiocraft / Ultracraft	AC 4000	283	13	18.5	270				22
Audiocraft / Ultracraft	AC 4400	283	13	18.5	270				22
Audioquest	PT 6	229	18		211			y	linn
Audioquest	PT 7	229	18		211			y	linn
Audioquest	PT 8	229	18		211			y	linn
Audioquest	PT 9	229	18		211			y	linn
Audioquest	PT 9 Extreme	229	18		211			y	linn
Audioquest	PT 9+	229	18		211			y	linn
Azden	PU 402	220	15	22	205				

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Azden	PU 547	237	15	21.5	222				
Azden	PU 549	244	15	21	229				
Azden	PU 550	237	15	21.5	222				
Belcanto	unipivot 10"	243	16	21.75	227	5-15	14	y	own
Belcanto	unipivot 12"	307	14	18.35	293	5-15	11	y	own
Bluenote	B5	233	11		222			y	23
Bluenote	Borghese	233	11		222			y	23
Bluenote	Borromeo	233	11		222			y	23
Bluenote	U3	233	11		222			y	23
Breuer	type 5A	228	20	25.5	208	2-8		y	15
Breuer	type 6	244.8	16.9		227.9	2-8		y	15
Breuer	type 7	249	17	22	231.4				
Breuer	type 8	249	17	22	231.4	2-8		y	15
Brinkman	10.5	266.7	15.4	20.5	251.3				
Clearaudio	Unify	229	17.27	23.607	211.73				

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Connoisseur	SA U 2				199				17.5
Decca	London int	232	18	27	213	5-12		y	29
Denon	67L / 72L	244	14	20.7	230	4-15		y	
Denon	67L / 72L 'S'	244	14	20.7	230	11-20		y	
Denon	790	244	14	20.7	230	5-11		y	
Denon	DA 1000	282	12.5	18.04	269.5				
Denon	DA 302	282	12.5	18.04	269.5				
Denon	DA 303	244	14	20.7	230				
Denon	DA 304	282	12.5	18.04	269.5				
Denon	DA 305	244	14	20.7	230			y	
Denon	DA 307	244	14	20.7	230	5-10			
Denon	DA 308	282	12.5	18.04	269.5				
Denon	DA 309	244	14	20.7	230				
Denon	DA 401	244	14	20.7	230	4-10			
Dynavector	DV 501	241	15	21.5	226			y	plate

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Dynavector	DV 505	241	15	21.5	226			y	plate
Dynavector	DV 507	241	15	21.5	226			y	
EMI	EPU 100	9" (228.6)			8.45 "				11/16"
Empire	980	228.6	17.3	23.8	211.3				
Empire	990	228.6	17.3	23.8	211.3				
EMT	929	244	14	20.833	230				
EMT	997	309	12	17.25	297				
EMT	RMA 229	244	14	20.833	230				
EMT	RMA 297	309	12	17.4	297				
Excel	ES 1000	240	17.25	22.9	222.75				
Excel	ES 801	237	15	21.5	222				
Excel	Pro SITA	240	17.25	22.9	222.75				
Fidelity Research	FR 12	230	14.5	21.4	215.5	4-12	12		
Fidelity Research	FR 14	245	15	21.5	230	1-12	14		
Fidelity Research	FR 24	245	15	21.5	230				

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Fidelity Research	FR 34 S	237	15		222				
Fidelity Research	FR 54	245	15	21.5	230				
Fidelity Research	FR 64 FX	245	15	21.5	230				31
Fidelity Research	FR 64 S	245	15	21.5	230			y	31
Fidelity Research	FR 66	307	12	16.8	295			y	31
Fidelity Research	FR 66 FX	307	12	16.8	295			y	31
Fidelity Research	FR 66s	307	12	16.8	295			y	41
Goldmund	T5 linear	200						y	own
Goldring Lenco	P 77	227.1	17.1	23	210				
Grace	G 520 L	222	15		207				
Grace	G 540 L	237	15		222				
Grace	G 545 F	237	15	21	222				
Grace	G 560 L	285	15		270				
Grace	G 565 F	285	15		270				
Grace	G 640 P	237	15	21	222				

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Hadcock	GH 228 export	228.6	15.75		212.85	3-12		y	16
Hadcock	GH 242 se	243.8	17.8		226	3-12	6.5	y	16
Hadcock	Unipoise	228.6	15.75		212.85	3-9			16
Helius	Aureus 2	228	18		210	6-15		y	linn
Helius	Cyalene	255	16.1		238.9	5-20		y	45
Helius	Orion	251	16.4	21.87	234.6	4-20			
Helius	Scorpio 3	228	18		210	5-12		y	linn
Heybrook	RA20	237	15		222	4-11			24
Ikeda	IT 245	245	15	21.5	230				
Ikeda	IT 345	245	15	21.5	230				
Ikeda	IT 407	307	12	16.65	295				
Infinity	Black widow	237	15	21.017	222				
Japan Piezo	PU 402	220	15	22	205			y	7/8 "
Jelco	SA 250	229	15	22	214				
JML	TA 3A	229	18	24.1	211				

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Michell	Tecno arm A	237	15	21.63	222	4-13		y	23
Micro	MA 100	291	16	21	275				
Micro	MA 101	267	16	21	251				
Micro	MA 101 mk II	237	15	21.5	222				
Micro	MA 202	237	15	21.5	222				
Micro	MA 303	222	15	22.5	207				
Micro	MA 505	237	15	21.833	222				
Micro	MA 505 L	282	12	17.5	270				
Micro	MA 505 mkII	237	15	21.833	222	4-15		y	36
Micro	MA 7000 X	237	15	21.833	222				
Micro	MA 701	237	15	21.833	222				
Micro	MA 707	237	15	21.833	222				
Micro	MA 77 SR	237	15	21.5	222				
Micro	MA 77 SR mkII	237	15	21.833	222				
Micro	MAX 237	237	15	21.833	222	4-11			

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Micro	MAX 282	282	12	17.5	270				
Micro Trak	206 S	228	17.3	24	210.7				
Micro Trak	303 pro	228	17.3	24	210.7				
Micro Trak	306 pro	282.5	13.5	19	269				
Mission	774	229	13.6	20.5	215.4				
Mission	Mechanic	228	18		210	4-14	16	7	linn
Morch	DP 6	230	18	24	212			y	20
Morch	DP 6 12" armtube	307.4	13.3		294.1			y	20
Morch	UP 4	230	18	24	212			y	20
Morch	UP 4 12" armtube	307.4	13.3		294.1			y	20
Moth	Arm 1	237	15		222	4-11	12	n	24
Moth	Arm 2	237	15		222	4-11	11.5	n	24
Nad	5120	208	19.1	26	188.9				
Naim	Aro	230	18		212.5	5.5-12			own
Nottm analogue	Ace Space								

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Nottm analogue	Interspace								
Nottm analogue	Space arm					2-20			
Odyssey	RP1 gold sig	230	18		212				sme
Origin Live	Silver	240	17		223		med		24
Origin Live	Silver taper	240	17		223		med		24
Ortofon	AS 212	228	16	22.7	212				
Ortofon	RMG-212	228	16	22.7	212				
Ortofon	RMG-309	320	11	15.9	309				
Ortofon	RS 212	228	16	22.7	212				
Ortofon	SKG 212	228	16	22.7	212				
Ortofon	SMG 212	228	16	22.7	212				
Pickering	Unipoise	8 1/2"	1/2"	21	8"			y	11/16"
Pioneer	P 3A	282	12.5	18.2	269.5				
Pioneer	PA 100	237	14.5	21.5	222.5				
Pioneer	PA 1000	237	15	21.683	222				

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Pioneer	PL 1250	221	15.5	23	205.5				
Pioneer	PL 30L	250	12	19.2	238				
Pioneer	PL 50L	250	12	19.2	238				
Pioneer	PL 5L	250	12	19.2	238				
Pioneer	PL 70L	282	13.5	19.2	268.5				
Rega	RB 250	237	15	21.63	222	4-11	12	n	23
Rega	RB 300	237	15	21.63	222	4-11	11.5	n	23
Rega	RB 600	237	15	21.63	222	4-11	11.5	n	23
Rega	RB 700	237	15	21.63	222	4-11		n	23
Rega	RB 900	237	15	21.63	222			n	own
Rega	RB1000	237	15	21.63	222			n	own
Rek O Cut	Micropoise S220				8 1/4"				7/8"
Rek O Cut	Micropoise S260				11"				7/8"
Revolver	arm	229	18		211	3-7			linn
Revolver	super arm	229	18		211	3-7			linn

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Roksan	Artemiz	240	17.5	22.9	222.5	5-18		y	22
Roksan	Tabriz/ zi	240	17.5	22.9	222.5	5-18	9	y	22
RS Labs	A1	215	-19.6	0	234.6				
SAEC	WE 308 L	270	5	11.2	265	5-12.5		y	27
SAEC	WE 308 N	240	5	12	235	5-11		y	27
SAEC	WE 308 SX	240	5	12	235				
SAEC	WE 317	248	13	19.3	235				
SAEC	WE 407	233	12	18.8	221				
SAEC	WE 506	295	9	14.4	286				
SAEC	WE 8000	306	13	18	293				
Sansui	SR 323	220	17.5	24.5	202.5				
Sansui	SR 525	220	17.5	24.5	202.5				
Satin	AR 1/ 1M / 1S	250.5	15.5	21.4	235				
Shroder									6.5
SME	3009 mk II	229	11.1	22.26	217.9			y	sme

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
SME	3009 R	231.8	16.3	23.62	215.4			y	sme
SME	3009 S2	229	11.1		217.9			y	sme
SME	3010 R	237.9	16.4	22.985	221.5			y	sme
SME	3012 R	307.34	13.24	17.615	294.1			y	sme
SME	309	232.32	16.98	23.204	213.4			y	sme
SME	310	238.5	16.5	22.569	222			y	sme
SME	312	308.19	12.59	17.278	295.6			y	sme
SME	M2 10	239.30	17.30		222.00	5-12		y	sme
SME	M2 12	308.80	13.21		295.60	5-12		y	sme
SME	M2 9	233.20	17.80		215.40	5-12		y	sme
SME	model IV	233.15	17.8	23.635	215.35			y	sme
SME	model V	233.15	17.8	23.635	215.35			y	sme
SME	Series 3 CA1	229	16	22.8	215.4	0.6-13		y	sme
SME	Series 3 CA1b	233.2	17.8	23.62	215.4	0.6-13		y	sme
SME	Series 3 S CA1	229	16	22.8	215.4	0.6-13		y	sme

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
SME	Series 3 S CA1b	233.2	17.8	23.62	215.4	0.6-13		y	sme
Sony	PUA 1600L	286	14	19.2	272				
Sony	PUA 1600S	237	15	21.6	222				
Sony	PUA 237	237	15	21.6	222				
Sony	PUA 286	286	13	18.45	273				
Sound	ST 14	237	14	21	223				
Souther	Triquartz Linear					4-20		y	own
Stax	UA 227	240	13	20	227				23
Stax	UA 3N	240	13	20	227				23
Stax	UA 3NL	312	12	17	300				23
Stax	UA 7	240	13	20	227	2-16		y	23
Stax	UA 70	312	12	17	300	0-15		y	23
Stax	UA 70N	312	12	17	300				23
Stax	UA 7cf N	240	13	20	227				23
Stax	UA 7N	240	13	20	227				23

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Stax	UA 90N	312	12	17	300				23
Stax	UA 9N	240	13	20	227				23
Strombeg Carlson	RA 498				8 1/4"			y	1/4"
Sumiko	MMT	239	17.3	23	221.7	2-14		y	3/4"
Sumiko	Premier FT-3	239	17.3	23	221.7	2-14		y	own
Sumiko	Premier FT-4	239	17.3	23	221.7	2-14		y	own
Supex	6140	245	15	21.5	230				
Syntec	S 220	220	15	22	205			y	7/8"
Syrinx	LE2	229	17	23.5	212				30
Syrinx	PU 2	229	17	23.5	212				30
Syrinx	PU 2G	229	17	23.5	212				30
Syrinx	PU 3B	229	17	23.5	212				30
Syrinx	PU 4	229	18	24	211				30
Technics	EPA 100	250	15	21	235	5-10		y	38
Technics	EPA 101 L	242	15	21.6	227				

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Technics	EPA 101 S	220	14	22	206				
Technics	EPA 101 T	242	15	21.6	227				
Technics	EPA 102 L	242	15	21.6	227				
Technics	EPA 102 T	242	15	21.6	227				
Technics	EPA 110	235	14	21.6	221				
Technics	EPA 121 L	242	15	21.6	227				
Technics	EPA 121 S	220	14	22	206				
Technics	EPA 121 T	242	15	21.6	227				
Technics	EPA 250	250	15	21	235	3-12.5	14	y	62
Technics	EPA 500	250	15	21	235	5-11	8	y	62
Technics	EPA 99	235	14	21.6	221				
Technics	SL 1200 mkII	230	15	21.5	215				
Technics	SL 1300	230	15	21.5	215				
Technics	SL 1350	230	15	21.5	215				
Technics	SL 1400	230	15	21.5	215				

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Technics	SL 1500	230	15	21.5	215				
Technics	SL 1700	230	15	21.5	215				
Technics	SL 1800	230	15	21.5	215				
Thorens	TP 11 mk II	230	14.4		215.6				
Thorens	TP 16 IV	232	16.4		215.6				
Thorens	TP 16 mk II	230	14.4		215.6				
Thorens	TP 16 mk III	232	16.4		215.6				
Thorens	TP 16 mk III L	247.7	17.7		230				
Thorens	TP 21	232	16.4		215.6				
Thorens	TP 22	222	15.5		206.5				
Thorens	TP 28	232	16.4		215.6				
Thorens	TP 40	232	16.4		215.6				
Thorens	TP 50	228	18		210				
Thorens	TP11 mk III	232	16.4		215.6				
Thorens	TP29	244	14		230				

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
Thorens	TP29	244	14		230				
Thorens	TP30	222	15.5		206.5				
Thorens	TP90	228	18		210				
Thorens	TP90 L	272.5	15		257.5				
Thorens	TP97	309.6	12.5		297				
Thorens	TP16 IV L	247.7	17.7		230				
Townshend	Excalibur	230	18		212	4-12			own
Vestax	PDX 2000	200	-15	0	215				
Wheaton	Triplanar 3								own
Wilson Benesh	Act 0.5	280	14.65		265.35				
Wilson Benesh	Act 2	280	14.65	19.5	265.35				
Yamaha	YSA 1	262	14	20	248				
Yamaha	YSA 2	228	-20	0					
Zeta	Zeta	229	18	23.75	211	0-11	16	y	linn

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mas	VTA Adjust	Mounting Pattern
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