

Tonearm Specifications v.3.05

<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)
<i>Null Points</i>	calculated from eff length / overhang / offset (mm)

Specifications taken from original manufacturers data where available. Other sources include magazine reviews, direct measurement and the internet. Null points are calculated from the stated dimensions and should not be used for alignment. 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 Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Acos (Koshin Denki)	GST 1	237	15	21.6	222					60.3 / 114.2
Acos (Koshin Denki)	GST 801	240	15	21.5	225					60.4 / 115.6
Acos (Koshin Denki)	ST 455L	286								
Acos (Koshin Denki)	ST 610	237	15	21.6	222					60.3 / 114.2
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					60.3 / 114.2
ADC	LMF 2	237	15	21.6	222					60.3 / 114.2
Air tangent	1B								12	
Alphason	Delta	229	18	24	211	3-20			linn	65.6 / 120.6
Alphason	HR 100 MCS	229	18	24	211	3-20	10	y	linn	65.6 / 120.6

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Alphason	HR 100 S	229	18	24	211	3-20	10	y	linn	65.6 / 120.6
Alphason	Opal	229	18	24	211	3-20			linn	65.6 / 120.6
Alphason	Xenon	229	18	24	211	3-20			linn	65.6 / 120.6
Alphason	Xenon MCS	229	18	24	211	3-20			linn	65.6 / 120.6
Audio note	Arm 1	237	15	21.63	222	4-11	12	n	23	60.0 / 114.7
Audio note	Arm 2	237	15	21.63	222	4-11	11.5	n	23	60.0 / 114.7
Audio note	Reference					5-20		y	own	
Audio Technica	AT 1001	240	15	21.5	225			y	23	60.3 / 115.6
Audio Technica	AT 1005 mk II	240	15	21.5	225			y	23	60.3 / 115.6
Audio Technica	AT 1007	240	15	21.5	225			y		60.3 / 115.6
Audio Technica	AT 1009	240	15	21.5	225			y		60.3 / 115.6
Audio Technica	AT 1010	240	15	21.5	225	4-24		y	23	60.3 / 115.6
Audio Technica	AT 1100	240	15	21.5	225	4-11		y	21	60.3 / 115.6
Audio Technica	AT 1120	240	15	21.5	225	2-6			sme	60.3 / 115.6
Audio Technica	AT 1130	240	15	21.5	225	4-12		y	sme	60.3 / 115.6
Audio Technica	AT 1501 I	282	12	18	270			y	23	56.0 / 118.3
Audio Technica	AT 1501 II	282	12	18	270			y	23	56.0 / 118.3
Audio Technica	AT 1501 III	285	12	18	273			y	23	55.5 / 120.6
Audio Technica	AT 1501 IV	285	12	18	273			y	23	55.5 / 120.6
Audio Technica	AT 1503 I	254	15	21	239			y	23	61.2 / 121.0

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Audio Technica	AT 1503 II	254	15	21	239			y	23	61.2 / 120.9
Audio Technica	AT 1503 III	257	15	21	242			y	23	60.5 / 123.7
Audio Technica	AT 1503 IIIa	257	15	21	242			y	23	60.5 / 123.7
Audio Technica	AT 1503 IV	257	15	21	242			y	23	60.5 / 123.7
Audio Technica	ATP 12T	257	15	21	242	3-23		y	23	60.5 / 123.7
Audio Technica	ATP 16T	285	12		273	3-23		y	23	
Audiocraft / Ultracraft	AC 30	237	15	22	222				22	57.2 / 120.4
Audiocraft / Ultracraft	AC 300 C	237	15	22	222	3.5-15		y	22	57.2 / 120.4
Audiocraft / Ultracraft	AC 300 mk II	237	15	22	222			y	22	57.2 / 120.4
Audiocraft / Ultracraft	AC 3000	237	15	22	222				22	57.2 / 120.4
Audiocraft / Ultracraft	AC 3300	237	15	22	222				22	57.2 / 120.4
Audiocraft / Ultracraft	AC 400 C	283	13	18.5	270	3.5-17		y	22	60.2 / 119.4
Audiocraft / Ultracraft	AC 400 mk II	283	13	18.5	270			y	22	60.2 / 119.4
Audiocraft / Ultracraft	AC 4000	283	13	18.5	270				22	60.2 / 119.4
Audiocraft / Ultracraft	AC 4400	283	13	18.5	270				22	60.2 / 119.4
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	

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Audioquest	PT 9+	229	18		211			y	linn	
Azden	PU 402	220	15	22	205					62.0 / 102.8
Azden	PU 547	237	15	21.5	222					61.2 / 112.5
Azden	PU 549	244	15	21	229					64.0 / 111.0
Azden	PU 550	237	15	21.5	222					61.2 / 112.5
Bang and Olufsen	ST/A	223.5	14		209.5			y		
Bang and Olufsen	ST/L	223.5	14		209.5			y		
Bang and Olufsen	ST/M	205	15		190			y		
Bang and Olufsen	ST/P	320	10		310			y		
Belcanto	unipivot 10"	243	16	21.75	227	5-15	14	y	own	65.8 / 114.3
Belcanto	unipivot 12"	307	14	18.35	293	5-15	11	y	own	66.0 / 127.3
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	67.9 / 128.4
Breuer	type 6	244.8	16.9		227.9	2-8		y	15	
Breuer	type 7	249	17	22	231.4					70.4 / 116.2
Breuer	type 8	249	17	22	231.4	2-8		y	15	70.4 / 116.2
Brinkman	10.5	266.7	15.4	20.5	251.3					66.1 / 120.7

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Clearaudio	Satisfy	239.31	17.31	23	222					66.0 / 121.0
Clearaudio	Satisfy Carbon DW	239.31	17.31	23	222					66.0 / 121.0
Clearaudio	Satisfy DW	239.31	17.31	23	222					66.0 / 121.0
Clearaudio	Satisfy Satine DW	239.31	17.31	23	222					66.0 / 121.0
Clearaudio	Tangent		0	0				y		
Clearaudio	TQ1		0	0				y		
Clearaudio	TQ1 Master		0	0				y		
Clearaudio	Unify 10	263.6	15.6	20.77	248			y		66.0 / 121.0
Clearaudio	Unify 12	316.86	12.86	17.16	304		12	y		66.0 / 121.0
Clearaudio	Unify 14	338.98	11.98	16	327		12.7	y		66.0 / 120.9
Clearaudio	Unify 9	239.31	17.31	23	222		9	y		66.0 / 121.0
Connoisseur	SA U 2				199				17.5	
Decca	London int	232	18	27	213	5-12		y	29	50.0 / 160.7
Denon	67L / 72L	244	14	20.7	230	4-15		y		57.9 / 114.6
Denon	67L / 72L 'S'	244	14	20.7	230	11-20		y		57.9 / 114.6
Denon	790	244	14	20.7	230	5-11		y		57.9 / 114.6
Denon	DA 1000	282	12.5	18.04	269.5					60.3 / 114.4
Denon	DA 302	282	12.5	18.04	269.5					60.3 / 114.4
Denon	DA 303	244	14	20.7	230					57.9 / 114.6
Denon	DA 304	282	12.5	18.04	269.5					60.3 / 114.4

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Denon	DA 305	244	14	20.7	230			y		57.9 / 114.6
Denon	DA 307	244	14	20.7	230	5-10				57.9 / 114.6
Denon	DA 308	282	12.5	18.04	269.5					60.3 / 114.4
Denon	DA 309	244	14	20.7	230					57.9 / 114.6
Denon	DA 401	244	14	20.7	230	4-10				57.9 / 114.6
Dynavector	DV 501	241	15	21.5	226			y	plate	60.1 / 116.5
Dynavector	DV 505	241	15	21.5	226			y	plate	60.1 / 116.5
Dynavector	DV 507	241	15	21.5	226			y		60.1 / 116.5
EMI	EPU 100	228.6	14	21	214.6				11/16"	59.4 / 104.4
Empire	980	228.6	17.3	23.8	211.3					62.3 / 122.2
Empire	990	228.6	17.3	23.8	211.3					62.3 / 122.2
EMT	929	244	14	20.833	230					56.9 / 116.7
EMT	997	309	12	17.25	297					58.1 / 125.2
EMT	RMA 229	244	14	20.833	230					56.9 / 116.7
EMT	RMA 297	309	12	17.4	297					56.9 / 128.0
Excel	ES 1000	240	17.25	22.9	222.75					66.2 / 120.6
Excel	ES 801	237	15	21.5	222					61.2 / 112.5
Excel	Pro SITA	240	17.25	22.9	222.75					66.2 / 120.6
Fidelity Research	FR 12	230	14.5	21.4	215.5	4-12	12			59.8 / 108.0
Fidelity Research	FR 14	245	15	21.5	230	1-12	14			59.2 / 120.4

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Fidelity Research	FR 24	245	15	21.5	230					59.2 / 120.4
Fidelity Research	FR 34 S	237	15		222					
Fidelity Research	FR 54	245	15	21.5	230					59.2 / 120.4
Fidelity Research	FR 64 FX	245	15	21.5	230				31	59.2 / 120.4
Fidelity Research	FR 64 S	245	15	21.5	230			y	31	59.2 / 120.4
Fidelity Research	FR 66	307	12	16.8	295			y	31	63.2 / 114.2
Fidelity Research	FR 66 FX	307	12	16.8	295			y	31	63.2 / 114.2
Fidelity Research	FR 66s	307	12	16.8	295			y	41	63.2 / 114.2
Gemini	PDT 6000	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Gemini	PT 1000	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Gemini	PT 1000 mkII	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Gemini	PT 2000	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Gemini	PT 2000 mkIII	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Gemini	PT 2100	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Gemini	PT 2400	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Gemini	PT 2410	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Gemini	PT 2600	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Gemini	SA 2400	231.5	15.1	22	216.4	6-10	9	y		59.2 / 114.2
Gemini	SA 600	231.5	15.1	22	216.4	6-10	9	y		59.2 / 114.2
Gemini	SA 600 mkII	231.5	15.1	22	216.4	6-10	9	y		59.2 / 114.2

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Gemini	SV 2200	231.5	15.1	22	216.4	6-10	9	y		59.2 / 114.2
Gemini	XL 1800Q mkIV	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Gemini	XL 400 mkII		15.2			6-10		y		
Gemini	XL 500	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Gemini	XL 500 mkII	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Gemini	XL 600	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Gemini	XL BD40		15.2			6-10		y		
Gemini	XL DD50 mkIV	230.1	15.2	22	214.9	6-10	9	y		60.4 / 112.0
Goldmund	T5 linear	200	0	0				y	own	
Goldring Lenco	P 77	227.1	17.1	23	210					68.7 / 108.7
Grace	G 1040	237	15	21	222					66.8 / 103.0
Grace	G 520 L	222	15	22	207					61.2 / 105.0
Grace	G 540 L	237	15	21	222					66.8 / 103.0
Grace	G 545 F	237	15	21	222					66.8 / 103.0
Grace	G 560 L	285	15	20	270					63.2 / 131.2
Grace	G 565 F	285	15		270					
Grace	G 640 P	237	15	21	222					66.8 / 103.0
Grace	G 660 P	285	15	20	270					63.2 / 131.2
Grace	G 704	237	15	21	222					66.8 / 103.0
Grace	G 707	237	15	21	222	4.5-12		y	20-25	66.8 / 103.0

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Grace	G 707 mkII	237	15	21	222	4.5-12		y		66.8 / 103.0
Grace	G 714	237	15	21	222					66.8 / 103.0
Grace	G 727	237	15	21	222					66.8 / 103.0
Grace	G 840 F	237	15	21	222	4.5-19		y	25	66.8 / 103.0
Grace	G 840 FB	237	15	21	222	4.5-19		y	25	66.8 / 103.0
Grace	G 860 F	285	15	20	270					63.2 / 131.2
Grace	G 860 FB	285	15	20	270					63.2 / 131.2
Grace	G 940	237	15	21	222					66.8 / 103.0
Grace	G 945	237	15	21	222					66.8 / 103.0
Grace	G 960	285	15	20	270					63.2 / 131.2
Grado	Laboratory series	227	19.05	25	207.96				1/4"	65.6 / 126.2
Graham	Model 1.5t	235	17.6	23.4	217.4					66.0 / 120.7
Guya	STO 140	251	14	20.75	237					56.1 / 121.7
Hadcock	GH 228	228.6	15.75		212.85	3-13		y	16	
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	Super Unilift mkIII	228.9	16.5	23	212.4					62.6 / 116.2
Hadcock	Unipoise	228.6	15.75		212.85	3-9			16	
Helius	Aureus 2	228.6	18	24	210.6	6-15		y	linn	65.8 / 120.2
Helius	Cyalene	255	16.1		238.9	5-20		y	45	

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Helius	Orion	252	16	21.5	236	4-20				65.5 / 119.2
Helius	Scorpio 3	228.6	18	24	210.6	5-12		y	linn	65.8 / 120.2
Heybrook	RA20	237	15		222	4-11			24	
Ikeda	IT 245	245	15	21.5	230					59.2 / 120.4
Ikeda	IT 345	245	15	21.5	230					59.2 / 120.4
Ikeda	IT 407	307	12	16.65	295					65.3 / 110.6
Immedia	RPM 2	254	16		238			y	7	
Infinity	Black widow	237	15	21.017	222					66.8 / 103.0
Japan Piezo	PU 402	220	15	22	205			y	7/8 "	62.0 / 102.8
Jelco	SA 250	229	15	22	214	4-12		y	30	59.0 / 112.5
Jelco	SA 250 ST	228	18		210	4-12		y	30	
JML	TA 3A	229	18	24.1	211					64.8 / 122.2
JMW	Arm							y		
JMW	Memorial							y		
JVC Victor	Arm 1000	237	15	22	222					57.2 / 120.4
JVC Victor	UA 5045	245	15	21.7	230					57.7 / 123.5
JVC Victor	UA 7045	245	15	21.7	230					57.7 / 123.5
JVC Victor	UA 7082	282	12	17.5	270					61.0 / 108.6
Keith Monks	M9BA mkIII	228.6	18	23	210.6					80.8 / 97.8
Keith Monks	Mercury Lab arm					4-6	9	y		

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Kenwood	L-07D	245	15		230	1-22		y		
Kenwood	L-07D II	245	15		230	1-22		y		
Koetsu	SA 1100D									
Koshin	801 GS	240	15		225					
Kuzma	Stogi	230	18	24	212			y	linn	65.3 / 121.7
Kuzma	Stogi reference	230	18	24	212		12	y	linn	65.3 / 121.7
Linn	Akito	229	18	24	211				linn	65.6 / 120.6
Linn	Basik	229	18	24	211				linn	65.6 / 120.6
Linn	Ekos	229	18	24	211	5-10	9	y	linn	65.6 / 120.6
Linn	Ittok	229	18	24	211				linn	65.6 / 120.6
Linn	LVV	229	18	24	211				linn	65.6 / 120.6
Logic	Datum	228	17.3	23.5	210.7	4-20	9.75	y	30.5	65.0 / 117.0
Logic	Datum mk II	228	17.3	23.5	210.7	4-20		y	30.5	65.0 / 117.0
Logic	Datum S	228	17.3	23.5	210.7	4-20		y	30.5	65.0 / 117.0
Lustre (Koshin Denki)	GST 1	237	15	21.6	222					60.3 / 114.2
Lustre (Koshin Denki)	GST 801	240	15	21.5	225					60.4 / 115.6
Lustre (Koshin Denki)	ST 455L	286								
Lustre (Koshin Denki)	ST 610	237	15	21.6	222					60.3 / 114.2
Luxman	PD 272	240	15		225	4-11		y		
Magnepan	Unitrac	241.3	17.1	22.8	224.2					65.5 / 121.5

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Manticore	Magician	228	17	23.5	211	1.5-10			linn	62.6 / 119.2
Manticore	Magician 12"	304	13.5	18	290.5	1.5-10			linn	65.7 / 122.2
Manticore	Musician	228	17	23.5	211	1.5-10			linn	62.6 / 119.2
Mayware	Formula 4 mk III	229 +/-3	17.25	23.5	209-215				20	63.5 / various
Mayware	Formula 4 mk IV	229	17.25	23.52	211.75					64.0 / 118.7
Mayware	Formula 4 mk V	229	17.25	23.52	211.75					64.0 / 118.7
Mayware	Formula 4 PL S4/D	224	15	22	209		4.5		25	60.5 / 107.3
Michell	Fluid arm	229	13		216	4-16		y	25	
Michell	Focus arm					4-11		y		
Michell	Tecno arm	237	15	21.63	222	4-13		y	23	60.0 / 114.7
Michell	Tecno arm A	237	15	21.63	222	4-13		y	23	60.0 / 114.7
Micro Seiki	CF 2	237	15	21.833	222					58.4 / 117.9
Micro Seiki	CF1	237	15		222	4-12		y		
Micro Seiki	MA 100	291	16	21	275					61.6 / 146.9
Micro Seiki	MA 101	267	16	21	251					66.2 / 125.1
Micro Seiki	MA 101 mk II	237	15	21.5	222					61.2 / 112.5
Micro Seiki	MA 202	237	15	21.5	222					61.2 / 112.5
Micro Seiki	MA 202 L	252	15	21	237					61.7 / 119.0
Micro Seiki	MA 303	222	15	22.5	207					57.0 / 113.0
Micro Seiki	MA 505	237	15	21.833	222					58.4 / 117.9

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Micro Seiki	MA 505 L	282	12	17.5	270					61.0 / 108.6
Micro Seiki	MA 505 mkII	237	15	21.833	222	4-15		y	36	58.4 / 117.9
Micro Seiki	MA 7000 X	237	15	21.833	222					58.4 / 117.9
Micro Seiki	MA 701	237	15	21.833	222					58.4 / 117.9
Micro Seiki	MA 707	237	15	21.833	222					58.4 / 117.9
Micro Seiki	MA 77 SR	237	15	21.5	222					61.2 / 112.5
Micro Seiki	MA 77 SR mkII	237	15	21.833	222					58.4 / 117.9
Micro Seiki	MAX 237	237	15	21.833	222	4-11				58.4 / 117.9
Micro Seiki	MAX 282	282	12	17.5	270					61.0 / 108.6
Micro Trak (Gray)	206 S	228	17.3	24	210.7					60.9 / 124.5
Micro Trak (Gray)	303 pro	228	17.3	24	210.7					60.9 / 124.5
Micro Trak (Gray)	306 pro	282.5	13.5	19	269					60.1 / 123.8
Mission	774	229	13.6	20.5	215.4				sme	60.5 / 99.9
Mission	774 LC	228	18		210			y	linn	
Mission	774 SM	228	18		210			y	linn	
Mission	Mechanic	228	18		210	4-14	16	y	linn	
Morch	DP 6	230	18	24	212			y	20	65.3 / 121.7
Morch	DP 6 12" armtube	307.4	13.3		294.1			y	20	
Morch	UP 4	230	18	24	212			y	20	65.3 / 121.7
Morch	UP 4 12" armtube	307.4	13.3		294.1			y	20	

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Moth	Arm 1	237	15	21.63	222	4-11	12	n	24	60.0 / 114.7
Moth	Arm 2	237	15	21.63	222	4-11	11.5	n	24	60.0 / 114.7
NAD	510 (flat)	208	19.1	26	188.9					64.1 / 118.3
NAD	5120	208	19.1	26	188.9					64.1 / 118.3
NAD	533	237	15	21.63	222	4-11				60.0 / 114.7
NAD	555	237	15	21.63	222	4-11				60.0 / 114.7
Naim	Aro	230	18		212.5	5.5-12			own	
Nottm analogue	Ace Anna									
Nottm analogue	Ace Space									
Nottm analogue	Interspace									
Nottm analogue	Mentor									
Nottm analogue	Space					2-20				
Numark	Pro TT1	234	20		214	6-10				
Numark	Pro TT2	234	20		214	6-10				
Numark	TT 100	234	20		214	6-10				
Numark	TT 1510	220								
Numark	TT 1520	220								
Numark	TT 1700	220								
Numark	TT 1910	220								
Odyssey	RP1 gold sig	230	18		212				sme	

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Omnitronic	BD 1350	210	10		200					
Omnitronic	BD 1520	234	20		214					
Omnitronic	BD 1550	234	20		214					
Omnitronic	DD 2220	234	20		214					
Omnitronic	DD 2250	234	20		214					
Omnitronic	DD 2250 Ltd	234	20		214					
Omnitronic	DD 5250	230	15		215			y		
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					61.5 / 114.5
Ortofon	RMG-212	228	16	22.7	212					61.5 / 114.5
Ortofon	RMG-309	320	11	15.9	309					60.0 / 115.4
Ortofon	RS 212	228	16	22.7	212					61.5 / 114.5
Ortofon	SKG 212	228	16	22.7	212					61.5 / 114.5
Ortofon	SMG 212	228	16	22.7	212					61.5 / 114.5
Pickering	Unipoise	8 1/2"	1/2"	21	8"			y	11/16"	
Pioneer	P 3A	282	12.5	18.2	269.5					58.7 / 117.5
Pioneer	PA 100	237	14.5	21.5	222.5					57.2 / 116.6
Pioneer	PA 1000	237	15	21.683	222					59.6 / 115.5
Pioneer	PL 1250	221	15.5	23	205.5					57.3 / 115.4

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Pioneer	PL 30L	250	12	19.2	238					52.2 / 112.3
Pioneer	PL 50L	250	12	19.2	238					52.2 / 112.3
Pioneer	PL 5L	250	12	19.2	238					52.2 / 112.3
Pioneer	PL 70L	282	13.5	19.2	268.5					58.5 / 126.9
Pro-Ject	12C	305	13.2		291.8		11.5			
Pro-Ject	9	230	18		212		11			
Pro-Ject	9C	230	18		212		11			
Pro-Ject	Debut	218.5	18.5		200		9.5			
Rega	RB 250	237	15	21.63	222	4-11	12	n	23	60.0 / 114.7
Rega	RB 300	237	15	21.63	222	4-11	11.5	n	23	60.0 / 114.7
Rega	RB 600	237	15	21.63	222	4-11	11.5	n	23	60.0 / 114.7
Rega	RB 700	237	15	21.63	222	4-11		n	23	60.0 / 114.7
Rega	RB 900	237	15	21.63	222			n	own	60.0 / 114.7
Rega	RB1000	237	15	21.63	222			n	own	60.0 / 114.7
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	
Roksan	Artemiz	240	17.5	22.9	222.5	5-18		y	22	68.3 / 118.4
Roksan	Tabriz	240	17.5	22.9	222.5	5-18	9	y	22	68.3 / 118.4

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Roksan	Tabriz Zi	240	17.5	22.9	222.5	5-18	9	y	22	68.3 / 118.4
RS Labs	A1	215	-19.6	0	234.6					
SAEC	WE 308 L	270	5	11.2	265	5-12.5		y	27	43.8 / 61.1
SAEC	WE 308 N	240	5	12	235	5-11		y	27	39.2 / 60.6
SAEC	WE 308 SX	240	5	12	235					39.2 / 60.6
SAEC	WE 317	248	13	19.3	235					61.0 / 103.0
SAEC	WE 407	233	12	18.8	221					61.3 / 88.9
SAEC	WE 506	295	9	14.4	286					61.0 / 85.7
SAEC	WE 8000	306	13	18	293					60.6 / 128.5
Sansui	SR 323	220	17.5	24.5	202.5					60.7 / 121.7
Sansui	SR 525	220	17.5	24.5	202.5					60.7 / 121.7
Satin	AR 1	250.5	15.5	21.4	235					62.6 / 120.2
Satin	AR 1M	250.5	15.5	21.4	235					62.6 / 120.2
Satin	AR 1S	250.5	15.5	21.4	235					62.6 / 120.2
Shroder	DPS	239.3	17.3	23	222				6.5	65.9 / 121.1
Shroder	Model 2	239.3	17.3	23	222				6.5	65.9 / 121.1
SME	3009 imp (late)	231.2	17.95	23.84	213.25			y	sme	66.0 / 120.9
SME	3009 mkI	228.6	15.14	22	213.46			y	sme	60.3 / 110.9
SME	3009 R	233.2	17.8	23.62	215.4			y	sme	66.1 / 120.7
SME	3009 S2 (early)	228.6	15.14	22	213.46			y	sme	60.3 / 110.9

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
SME	3009 S2 (late)	231.2	15.5	22.26	215.7			y	sme	60.3 / 114.8
SME	3009 S2 imp (early)	231.2	15.86	22.6	215.34			y	sme	60.3 / 117.3
SME	3010 R	239.3	17.3	22.985	222			y	sme	66.0 / 120.8
SME	3012 mkI	320	11.2	16.12	308.8			y	sme	59.7 / 118.0
SME	3012 mkII	304.8	11.9	17	292.9			y	sme	60.3 / 117.9
SME	3012 R	308.8	13.20	17.615	295.6			y	sme	66.0 / 121.0
SME	309	232.32	16.97	23.204	215.35			y	sme	63.6 / 119.5
SME	310	238.50	16.50	22.569	222			y	sme	63.6 / 119.5
SME	312	308.19	12.59	17.278	295.60			y	sme	63.7 / 119.4
SME	M2 10	239.30	17.30	22.985	222.00	5-12		y	sme	66.0 / 120.8
SME	M2 12	308.80	13.21	17.615	295.60	5-12		y	sme	66.0 / 121.0
SME	M2 9	233.20	17.80	23.62	215.40	5-12		y	sme	66.1 / 120.7
SME	model IV	233.15	17.8	23.635	215.35			y	sme	66.0 / 120.9
SME	model V	233.15	17.8	23.635	215.35			y	sme	66.0 / 120.9
SME	Series 3 (early)	231.2	15.86	22.6	215.34	0.6-13		y	sme	60.3 / 117.3
SME	Series 3 CA1	233.2	17.8	23.62	215.4	0.6-13		y	sme	66.1 / 120.7
SME	Series 3 S (early)	231.2	15.86	22.6	215.34	0.6-13		y	sme	60.3 / 117.3
SME	Series 3 S CA1	233.2	17.8	23.62	215.4	0.6-13		y	sme	66.1 / 120.7
Sony	PUA 1600L	286	14	19.2	272					61.9 / 126.2
Sony	PUA 1600S	237	15	21.6	222					60.3 / 114.2

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Sony	PUA 237	237	15	21.6	222					60.3 / 114.2
Sony	PUA 286	286	13	18.45	273					60.0 / 120.9
Sony	PUA 9	264	14	20	250					59.4 / 121.2
Sound	ST 14	237	14	21	223					57.1 / 112.7
Souther	Triquartz Linear					4-20		y	own	
Stax	UA 227	240	13	20	227				23	56.2 / 107.9
Stax	UA 3N	240	13	20	227				23	56.2 / 107.9
Stax	UA 3NL	312	12	17	300				23	60.0 / 122.5
Stax	UA 7	240	13	20	227	2-16		y	23	56.2 / 107.9
Stax	UA 70	312	12	17	300	0-15		y	23	60.0 / 122.5
Stax	UA 70N	312	12	17	300				23	60.0 / 122.5
Stax	UA 7cf N	240	13	20	227				23	56.2 / 107.9
Stax	UA 7N	240	13	20	227				23	56.2 / 107.9
Stax	UA 90N	312	12	17	300				23	60.0 / 122.5
Stax	UA 9N	240	13	20	227				23	56.2 / 107.9
Strombeg Carlson	RA 498	222	12.45	20	209.55			y	1/4"	56.1 / 95.7
Sumiko	MMT	239	17.3	23	221.7	2-14		y	3/4"	66.0 / 120.8
Sumiko	Premier FT-3	239	17.3	23	221.7	2-14		y	own	66.0 / 120.8
Sumiko	Premier FT-4	239	17.3	23	221.7	2-14		y	own	66.0 / 120.8
Supex	6140	245	15	21.5	230					59.2 / 120.4

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Syntec	S 220	220	15	22	205			y	7/8"	62.0 / 102.8
Syrinx	LE2	229	17	23.5	212				30	62.3 / 120.3
Syrinx	PU 2	229	17	23.5	212				30	62.3 / 120.3
Syrinx	PU 2G	229	17	23.5	212				30	62.3 / 120.3
Syrinx	PU 3B	229	17	23.5	212				30	62.3 / 120.3
Syrinx	PU 4	229	18	24	211				30	65.6 / 120.6
Technics	EPA 100	250	15	21	235	5-10		y	38	62.2 / 117.0
Technics	EPA 101 L	242	15	21.6	227					59.0 / 119.1
Technics	EPA 101 S	220	14	22	206					53.6 / 111.2
Technics	EPA 101 T	242	15	21.6	227					59.0 / 119.1
Technics	EPA 102 L	242	15	21.6	227					59.0 / 119.1
Technics	EPA 102 T	242	15	21.6	227					59.0 / 119.1
Technics	EPA 110	235	14	21.6	221					53.3 / 119.7
Technics	EPA 121 L	242	15	21.6	227					59.0 / 119.1
Technics	EPA 121 S	220	14	22	206					53.6 / 111.2
Technics	EPA 121 T	242	15	21.6	227					59.0 / 119.1
Technics	EPA 250	250	15	21	235	3-12.5	14	y	62	62.2 / 117.0
Technics	EPA 500	250	15	21	235	5-11	8	y	62	62.2 / 117.0
Technics	EPA 99	235	14	21.6	221					53.3 / 119.7
Technics	SL 1200 mkII	230	15	21.5	215					63.5 / 105

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
Technics	SL 1300	230	15	21.5	215					63.5 / 105
Technics	SL 1350	230	15	21.5	215					63.5 / 105
Technics	SL 1400	230	15	21.5	215					63.5 / 105
Technics	SL 1500	230	15	21.5	215					63.5 / 105
Technics	SL 1700	230	15	21.5	215					63.5 / 105
Technics	SL 1800	230	15	21.5	215					63.5 / 105
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					
Thorens	TP29	244	14		230					
Thorens	TP30	222	15.5		206.5					

Manufacturer	Model	Effective Length	Overhang	Offset	Mounting Distance	Cartridge Weight	Arm Mass	VTA Adjust	Mounting Pattern	Null Points inner/ outer
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 III							y	own	
Wheaton	Triplanar IV	250	16.5	22	233.5			y		65.5 / 121.8
Wheaton	Triplaner VII	250	16.5	22	233.5		11	y		65.5 / 121.8
Wilson Benesh	Act 0.5	280	14.65	19.5	265.35					66.1 / 120.8
Wilson Benesh	Act 2	280	14.65	19.5	265.35					66.1 / 120.8
Yamaha	YSA 1	262	14	20	248					59.8 / 119.4
Yamaha	YSA 2	228	-20	0	248					
Zeta	Zeta	229	18	23.75	211	0-11	16	y	linn	68.0 / 116.4