



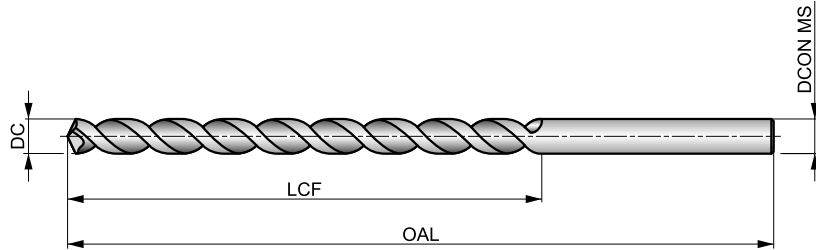
A940



PFX HSS-E (5% Cobalt) Long Series Drill, Bright Finish

High performance drill, able to produce high quality and accurate holes at high speeds and feeds (H10 hole tolerance). Self-centering 130° point angle and special parabolic flute design help to drill extra deep holes in a single pass. Suitable for many materials.

PFX



HSS-E	DIN ANSI	10xD
130°	Bright	
λ>35°	R	DC h8

Workpiece material group suitability, starting values for cutting speed (m/min) and feed Alpha Code. Tables with feed per revolution can be found starting from page 175.

P1.1 ■ 29 F	P1.2 ■ 33 F	P1.3 ■ 34 F	P2.1 ■ 25 F	P2.2 ■ 22 G	P2.3 ■ 19 C	P3.1 ■ 25 G	P3.2 ■ 20 G	P3.3 ■ 17 C	P4.1 ■ 15 G	P4.2 ■ 13 C	P4.3 ■ 10 C	M1.1 ■ 21 C	M1.2 ■ 17 C
M2.1 ■ 18 C	M2.2 ■ 15 C	M3.1 ■ 8 E	M3.2 ■ 7 E	M3.3 ■ 6 E	M4.1 ■ 9 B	K2.1 ■ 20 I	K2.2 ■ 16 I	K2.3 ■ 13 H	K3.1 ■ 17 I	K3.2 ■ 13 I	K3.3 ■ 11 H	K4.1 ■ 16 I	K4.2 ■ 12 I
K4.3 ■ 9 H	K4.4 ■ 8 H	K4.5 ■ 6 H	K5.1 ■ 18 I	K5.2 ■ 14 I	K5.3 ■ 11 H	N1.1 ■ 53 H	N1.2 ■ 40 H	N1.3 ■ 27 N	N2.1 ■ 62 N	N2.2 ■ 55 N	N2.3 ■ 40 N	N3.1 ■ 119 G	N3.2 ■ 70 F
N3.3 ■ 35 F	N4.1 ■ 55 H	N4.2 ■ 40 F	S1.1 ■ 18 E	S1.2 ■ 13 C	S1.3 ■ 6 C								

DC >= 9.6mm less than 10xD.

Product	DC	DC	DC	LCF	OAL	DCON MS
	[inch]	[mm]	[inch]			
A9401.0	-	1.00	0.0394	33.0	56.0	1.00
A9401.1	-	1.10	0.0433	37.0	60.0	1.10
A9403/64	3/64	1.19	0.0469	29.0	57.0	1.19
A9401.2	-	1.20	0.0472	41.0	65.0	1.20
A9401.3	-	1.30	0.0512	41.0	65.0	1.30
A9401.4	-	1.40	0.0551	45.0	70.0	1.40
A9401.5	-	1.50	0.0591	45.0	70.0	1.50
A9401/16	1/16	1.59	0.0625	44.0	76.0	1.59
A9401.6	-	1.60	0.0630	50.0	76.0	1.60
A9401.7	-	1.70	0.0669	50.0	76.0	1.70
A9401.8	-	1.80	0.0709	53.0	80.0	1.80
A9401.9	-	1.90	0.0748	53.0	80.0	1.90
A9405/64	5/64	1.98	0.0781	51.0	95.0	1.98
A9402.0	-	2.00	0.0787	56.0	85.0	2.00
A9402.1	-	2.10	0.0827	56.0	85.0	2.10
A9402.2	-	2.20	0.0866	59.0	90.0	2.20
A9402.3	-	2.30	0.0906	59.0	90.0	2.30
A9403/32	3/32	2.38	0.0938	57.0	108.0	2.38
A9402.4	-	2.40	0.0945	62.0	95.0	2.40
A9402.5	-	2.50	0.0984	62.0	95.0	2.50
A9402.6	-	2.60	0.1024	62.0	95.0	2.60
A9402.7	-	2.70	0.1063	66.0	100.0	2.70
A9407/64	7/64	2.78	0.1094	64.0	117.0	2.78
A9402.8	-	2.80	0.1102	66.0	100.0	2.80
A9402.9	-	2.90	0.1142	66.0	100.0	2.90

Product	DC	DC	DC	LCF	OAL	DCON MS
	[inch]	[mm]	[inch]			
A9403.0	-	3.00	0.1181	66.0	100.0	3.00
A9403.1	-	3.10	0.1220	69.0	106.0	3.10
A9401/8	1/8	3.18	0.1250	70.0	130.0	3.18
A9403.2	-	3.20	0.1260	69.0	106.0	3.20
A9403.3	-	3.30	0.1299	69.0	106.0	3.30
A9403.4	-	3.40	0.1339	73.0	112.0	3.40
A9403.5	-	3.50	0.1378	73.0	112.0	3.50
A9409/64	9/64	3.57	0.1406	76.0	137.0	3.57
A9403.6	-	3.60	0.1417	73.0	112.0	3.60
A9403.7	-	3.70	0.1457	73.0	112.0	3.70
A9403.8	-	3.80	0.1496	78.0	119.0	3.80
A9403.9	-	3.90	0.1535	78.0	119.0	3.90
A9405/32	5/32	3.97	0.1563	76.0	137.0	3.97
A9404.0	-	4.00	0.1575	78.0	119.0	4.00
A9404.1	-	4.10	0.1614	78.0	119.0	4.10
A9404.2	-	4.20	0.1654	78.0	119.0	4.20
A9404.3	-	4.30	0.1693	82.0	126.0	4.30
A94011/64	11/64	4.37	0.1719	86.0	146.0	4.37
A9404.4	-	4.40	0.1732	82.0	126.0	4.40
A9404.5	-	4.50	0.1772	82.0	126.0	4.50
A9404.6	-	4.60	0.1811	82.0	126.0	4.60
A9404.7	-	4.70	0.1850	82.0	126.0	4.70
A9403/16	3/16	4.76	0.1875	86.0	146.0	4.76
A9404.8	-	4.80	0.1890	87.0	132.0	4.80
A9404.9	-	4.90	0.1929	87.0	132.0	4.90



Product	DC	DC	DC	LCF	OAL	DCON MS
	[inch]	[mm]	[inch]	[mm]	[mm]	[mm]
A9405.0	–	5.00	0.1969	87.0	132.0	5.00
A9405.1	–	5.10	0.2008	87.0	132.0	5.10
A94013/64	13/64	5.16	0.2031	92.0	152.0	5.16
A9405.2	–	5.20	0.2047	87.0	132.0	5.20
A9405.3	–	5.30	0.2087	87.0	132.0	5.30
A9405.4	–	5.40	0.2126	91.0	139.0	5.40
A9405.5	–	5.50	0.2165	91.0	139.0	5.50
A9407/32	7/32	5.56	0.2188	92.0	152.0	5.56
A9405.6	–	5.60	0.2205	91.0	139.0	5.60
A9405.7	–	5.70	0.2244	91.0	139.0	5.70
A9405.8	–	5.80	0.2283	91.0	139.0	5.80
A9405.9	–	5.90	0.2323	91.0	139.0	5.90
A94015/64	15/64	5.95	0.2344	95.0	156.0	5.95
A9406.0	–	6.00	0.2362	91.0	139.0	6.00
A9406.1	–	6.10	0.2402	97.0	148.0	6.10
A9406.2	–	6.20	0.2441	97.0	148.0	6.20
A9406.3	–	6.30	0.2480	97.0	148.0	6.30
A9401/4	1/4	6.35	0.2500	95.0	156.0	6.35
A9406.4	–	6.40	0.2520	97.0	148.0	6.40
A9406.5	–	6.50	0.2559	97.0	148.0	6.50
A9406.6	–	6.60	0.2598	97.0	148.0	6.60
A9406.7	–	6.70	0.2638	97.0	148.0	6.70
A94017/64	17/64	6.75	0.2656	98.0	159.0	6.75
A9406.8	–	6.80	0.2677	102.0	156.0	6.80
A9406.9	–	6.90	0.2717	102.0	156.0	6.90
A9407.0	–	7.00	0.2756	102.0	156.0	7.00
A9407.1	–	7.10	0.2795	102.0	156.0	7.10
A9409/32	9/32	7.14	0.2813	98.0	159.0	7.14
A9407.2	–	7.20	0.2835	102.0	156.0	7.20
A9407.3	–	7.30	0.2874	102.0	156.0	7.30
A9407.4	–	7.40	0.2913	102.0	156.0	7.40
A9407.5	–	7.50	0.2953	102.0	156.0	7.50
A94019/64	19/64	7.54	0.2969	102.0	162.0	7.54
A9407.6	–	7.60	0.2992	109.0	165.0	7.60
A9407.7	–	7.70	0.3031	109.0	165.0	7.70
A9407.8	–	7.80	0.3071	109.0	165.0	7.80
A9407.9	–	7.90	0.3110	109.0	165.0	7.90
A9405/16	5/16	7.94	0.3125	102.0	162.0	7.94
A9408.0	–	8.00	0.3150	109.0	165.0	8.00
A9408.1	–	8.10	0.3189	109.0	165.0	8.10
A9408.2	–	8.20	0.3228	109.0	165.0	8.20
A9408.3	–	8.30	0.3268	109.0	165.0	8.30
A94021/64	21/64	8.33	0.3281	105.0	165.0	8.33
A9408.4	–	8.40	0.3307	109.0	165.0	8.40
A9408.5	–	8.50	0.3346	109.0	165.0	8.50
A9408.6	–	8.60	0.3386	115.0	175.0	8.60
A9408.7	–	8.70	0.3425	115.0	175.0	8.70
A94011/32	11/32	8.73	0.3438	105.0	165.0	8.73
A9408.8	–	8.80	0.3465	115.0	175.0	8.80
A9408.9	–	8.90	0.3504	115.0	175.0	8.90
A9409.0	–	9.00	0.3543	115.0	175.0	9.00
A9409.1	–	9.10	0.3583	115.0	175.0	9.10
A94023/64	23/64	9.13	0.3594	108.0	171.0	9.13
A9409.2	–	9.20	0.3622	115.0	175.0	9.20
A9409.3	–	9.30	0.3661	115.0	175.0	9.30
A9409.4	–	9.40	0.3701	115.0	175.0	9.40

Product	DC	DC	DC	LCF	OAL	DCON MS
	[inch]	[mm]	[inch]	[mm]	[mm]	[mm]
A9409.5	–	9.50	0.3740	115.0	175.0	9.50
A9403/8	3/8	9.52	0.3750	108.0	171.0	9.52
A9409.6	–	9.60	0.3780	121.0	184.0	9.60
A9409.7	–	9.70	0.3819	121.0	184.0	9.70
A9409.8	–	9.80	0.3858	121.0	184.0	9.80
A9409.9	–	9.90	0.3898	121.0	184.0	9.90
A94025/64	25/64	9.92	0.3906	111.0	178.0	9.92
A94010.0	–	10.00	0.3937	121.0	184.0	10.00
A94010.2	–	10.20	0.4016	121.0	184.0	10.20
A94010.3	–	10.30	0.4055	121.0	184.0	10.30
A94013/32	13/32	10.32	0.4063	111.0	178.0	10.32
A94010.5	–	10.50	0.4134	121.0	184.0	10.50
A94027/64	27/64	10.72	0.4219	117.0	184.0	10.72
A94011.0	–	11.00	0.4331	128.0	195.0	11.00
A9407/16	7/16	11.11	0.4375	117.0	184.0	11.11
A94011.2	–	11.20	0.4409	128.0	195.0	11.20
A94011.5	–	11.50	0.4528	128.0	195.0	11.50
A94029/64	29/64	11.51	0.4531	121.0	190.0	11.51
A94011.8	–	11.80	0.4646	128.0	195.0	11.80
A94015/32	15/32	11.91	0.4688	121.0	190.0	11.91
A94012.0	–	12.00	0.4724	134.0	205.0	12.00
A94012.2	–	12.20	0.4803	134.0	205.0	12.20
A94031/64	31/64	12.30	0.4844	121.0	197.0	12.30
A94012.5	–	12.50	0.4921	134.0	205.0	12.50
A9401/2	1/2	12.70	0.5000	121.0	197.0	12.70
A94013.0	–	13.00	0.5118	134.0	205.0	13.00
A94033/64	33/64	13.10	0.5156	121.0	203.0	13.10
A94017/32	17/32	13.49	0.5313	121.0	203.0	13.49
A94013.5	–	13.50	0.5315	140.0	214.0	13.50
A94035/64	35/64	13.89	0.5469	124.0	210.0	13.89
A94014.0	–	14.00	0.5512	140.0	214.0	14.00
A9409/16	9/16	14.29	0.5625	124.0	210.0	14.29
A94014.5	–	14.50	0.5709	144.0	220.0	14.50
A94037/64	37/64	14.68	0.5781	124.0	222.0	14.68
A94015.0	–	15.00	0.5906	144.0	220.0	15.00
A94019/32	19/32	15.08	0.5938	124.0	222.0	15.08
A94039/64	39/64	15.48	0.6094	124.0	222.0	15.48
A94015.5	–	15.50	0.6102	149.0	227.0	15.50
A9405/8	5/8	15.88	0.6250	124.0	222.0	15.88
A94016.0	–	16.00	0.6299	149.0	227.0	16.00
A94041/64	41/64	16.27	0.6406	130.0	229.0	16.27
A94016.5	–	16.50	0.6496	154.0	235.0	16.50
A94021/32	21/32	16.67	0.6563	130.0	229.0	16.67
A94017.0	–	17.00	0.6693	154.0	235.0	17.00
A94043/64	43/64	17.07	0.6719	137.0	235.0	17.07
A94011/16	11/16	17.46	0.6875	137.0	235.0	17.46
A94017.5	–	17.50	0.6890	158.0	241.0	17.50
A94045/64	45/64	17.86	0.7031	143.0	241.0	17.86
A94018.0	–	18.00	0.7087	158.0	241.0	18.00
A94023/32	23/32	18.26	0.7188	143.0	241.0	18.26
A94047/64	47/64	18.65	0.7344	149.0	248.0	18.65
A94019.0	–	19.00	0.7480	162.0	247.0	19.00
A9403/4	3/4	19.05	0.7500	149.0	248.0	19.05
A94049/64	49/64	19.45	0.7656	152.0	251.0	19.45
A94025/32	25/32	19.84	0.7813	152.0	251.0	19.84
A94020.0	–	20.00	0.7874	166.0	254.0	20.00



A941

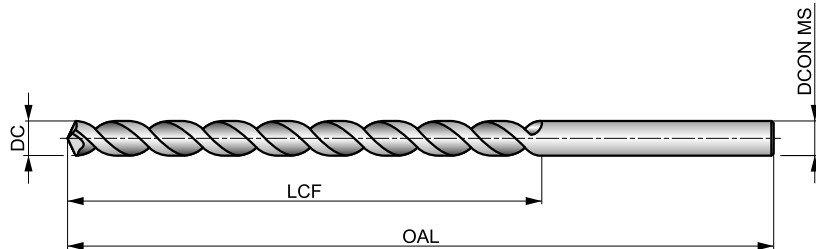


PFX HSS-E (5% Cobalt) Long Series Drill, Alcrona Top Coated

High performance drill, able to produce high quality and accurate holes at high speeds and feeds (H10 hole tolerance). Self-centering 130° point angle and special parabolic flute design. Suitable for many materials. Alcrona-TOP coating improves performance and extends the tool life.



PFX



HSS-E	DIN ANSI	10xD
130°	Alcrona Top	
λ > 35°	R	DC h8

Workpiece material group suitability, starting values for cutting speed (m/min) and feed Alpha Code. Tables with feed per revolution can be found starting from page 175.

P1.1 ■ 48 G	P1.2 ■ 53 G	P1.3 ■ 55 G	P2.1 ■ 41 G	P2.2 ■ 36 G	P2.3 ■ 32 D	P3.1 ■ 34 G	P3.2 ■ 27 G	P3.3 ■ 23 D	P4.1 ■ 20 G	P4.2 ■ 17 D	P4.3 ■ 14 D	M1.1 ■ 23 C	M1.2 ■ 20 C
M2.1 ■ 21 C	M2.2 ■ 17 C	M3.1 ■ 10 E	M3.2 ■ 9 E	M3.3 ■ 8 E	M4.1 ■ 11 B	K1.1 ■ 36 I	K1.2 ■ 27 I	K1.3 ■ 20 I	K2.1 ■ 37 I	K2.2 ■ 30 I	K2.3 ■ 24 H	K3.1 ■ 33 I	K3.2 ■ 25 I
K3.3 ■ 20 H	K4.1 ■ 30 I	K4.2 ■ 23 I	K4.3 ■ 17 H	K4.4 ■ 14 H	K4.5 ■ 12 H	K5.1 ■ 34 I	K5.2 ■ 26 I	K5.3 ■ 20 H	S1.1 ■ 25 F	S1.2 ■ 18 D	S1.3 ■ 8 D		

DC >= 9.6mm less than 10xD.

Product	DC	DC	DC	LCF	OAL	DCON MS
	[inch]	[mm]	[inch]			
A9411.0	-	1.00	0.0394	33.0	56.0	1.00
A9413/64	3/64	1.19	0.0469	29.0	57.0	1.19
A9411.5	-	1.50	0.0591	45.0	70.0	1.50
A9411/16	1/16	1.59	0.0625	44.0	76.0	1.59
A9415/64	5/64	1.98	0.0781	51.0	95.0	1.98
A9412.0	-	2.00	0.0787	56.0	85.0	2.00
A9413/32	3/32	2.38	0.0938	57.0	108.0	2.38
A9412.5	-	2.50	0.0984	62.0	95.0	2.50
A9417/64	7/64	2.78	0.1094	64.0	117.0	2.78
A9413.0	-	3.00	0.1181	66.0	100.0	3.00
A9413.1	-	3.10	0.1220	69.0	106.0	3.10
A9411/8	1/8	3.18	0.1250	70.0	130.0	3.18
A9413.2	-	3.20	0.1260	69.0	106.0	3.20
A9413.3	-	3.30	0.1299	69.0	106.0	3.30
A9413.4	-	3.40	0.1339	73.0	112.0	3.40
A9413.5	-	3.50	0.1378	73.0	112.0	3.50
A9419/64	9/64	3.57	0.1406	76.0	137.0	3.57
A9413.6	-	3.60	0.1417	73.0	112.0	3.60
A9413.7	-	3.70	0.1457	73.0	112.0	3.70
A9413.8	-	3.80	0.1496	78.0	119.0	3.80
A9413.9	-	3.90	0.1535	78.0	119.0	3.90
A9415/32	5/32	3.97	0.1563	76.0	137.0	3.97
A9414.0	-	4.00	0.1575	78.0	119.0	4.00
A9414.1	-	4.10	0.1614	78.0	119.0	4.10
A9414.2	-	4.20	0.1654	78.0	119.0	4.20
A9414.3	-	4.30	0.1693	82.0	126.0	4.30
A94111/64	11/64	4.37	0.1719	86.0	146.0	4.37

Product	DC	DC	DC	LCF	OAL	DCON MS
	[inch]	[mm]	[inch]			
A9414.4	-	4.40	0.1732	82.0	126.0	4.40
A9414.5	-	4.50	0.1772	82.0	126.0	4.50
A9414.6	-	4.60	0.1811	82.0	126.0	4.60
A9414.7	-	4.70	0.1850	82.0	126.0	4.70
A9413/16	3/16	4.76	0.1875	86.0	146.0	4.76
A9414.8	-	4.80	0.1890	87.0	132.0	4.80
A9414.9	-	4.90	0.1929	87.0	132.0	4.90
A9415.0	-	5.00	0.1969	87.0	132.0	5.00
A9415.1	-	5.10	0.2008	87.0	132.0	5.10
A94113/64	13/64	5.16	0.2031	92.0	152.0	5.16
A9415.2	-	5.20	0.2047	87.0	132.0	5.20
A9415.3	-	5.30	0.2087	87.0	132.0	5.30
A9415.4	-	5.40	0.2126	91.0	139.0	5.40
A9415.5	-	5.50	0.2165	91.0	139.0	5.50
A9417/32	7/32	5.56	0.2188	92.0	152.0	5.56
A9415.6	-	5.60	0.2205	91.0	139.0	5.60
A9415.7	-	5.70	0.2244	91.0	139.0	5.70
A9415.8	-	5.80	0.2283	91.0	139.0	5.80
A9415.9	-	5.90	0.2323	91.0	139.0	5.90
A94115/64	15/64	5.95	0.2344	95.0	156.0	5.95
A9416.0	-	6.00	0.2362	91.0	139.0	6.00
A9416.1	-	6.10	0.2402	97.0	148.0	6.10
A9416.2	-	6.20	0.2441	97.0	148.0	6.20
A9416.3	-	6.30	0.2480	97.0	148.0	6.30
A9411/4	1/4	6.35	0.2500	95.0	156.0	6.35
A9416.4	-	6.40	0.2520	97.0	148.0	6.40
A9416.5	-	6.50	0.2559	97.0	148.0	6.50



Product	DC	DC	DC	LCF	OAL	DCON MS
	[inch]	[mm]	[inch]	[mm]	[mm]	[mm]
A9416.6	–	6.60	0.2598	97.0	148.0	6.60
A9416.7	–	6.70	0.2638	97.0	148.0	6.70
A94117/64	17/64	6.75	0.2656	98.0	159.0	6.75
A9416.8	–	6.80	0.2677	102.0	156.0	6.80
A9416.9	–	6.90	0.2717	102.0	156.0	6.90
A9417.0	–	7.00	0.2756	102.0	156.0	7.00
A9417.1	–	7.10	0.2795	102.0	156.0	7.10
A9419/32	9/32	7.14	0.2813	98.0	159.0	7.14
A9417.2	–	7.20	0.2835	102.0	156.0	7.20
A9417.3	–	7.30	0.2874	102.0	156.0	7.30
A9417.4	–	7.40	0.2913	102.0	156.0	7.40
A9417.5	–	7.50	0.2953	102.0	156.0	7.50
A94119/64	19/64	7.54	0.2969	102.0	162.0	7.54
A9417.6	–	7.60	0.2992	109.0	165.0	7.60
A9417.7	–	7.70	0.3031	109.0	165.0	7.70
A9417.8	–	7.80	0.3071	109.0	165.0	7.80
A9417.9	–	7.90	0.3110	109.0	165.0	7.90
A9415/16	5/16	7.94	0.3125	102.0	162.0	7.94
A9418.0	–	8.00	0.3150	109.0	165.0	8.00
A9418.1	–	8.10	0.3189	109.0	165.0	8.10
A9418.2	–	8.20	0.3228	109.0	165.0	8.20
A9418.3	–	8.30	0.3268	109.0	165.0	8.30
A94121/64	21/64	8.33	0.3281	105.0	165.0	8.33
A9418.4	–	8.40	0.3307	109.0	165.0	8.40
A9418.5	–	8.50	0.3346	109.0	165.0	8.50
A9418.6	–	8.60	0.3386	115.0	175.0	8.60
A9418.7	–	8.70	0.3425	115.0	175.0	8.70
A94111/32	11/32	8.73	0.3438	105.0	165.0	8.73
A9418.8	–	8.80	0.3465	115.0	175.0	8.80
A9418.9	–	8.90	0.3504	115.0	175.0	8.90
A9419.0	–	9.00	0.3543	115.0	175.0	9.00
A9419.1	–	9.10	0.3583	115.0	175.0	9.10
A94123/64	23/64	9.13	0.3594	108.0	171.0	9.13
A9419.2	–	9.20	0.3622	115.0	175.0	9.20
A9419.3	–	9.30	0.3661	115.0	175.0	9.30
A9419.4	–	9.40	0.3701	115.0	175.0	9.40
A9419.5	–	9.50	0.3740	115.0	175.0	9.50
A9413/8	3/8	9.52	0.3750	108.0	171.0	9.52

Product	DC	DC	DC	LCF	OAL	DCON MS
	[inch]	[mm]	[inch]	[mm]	[mm]	[mm]
A9419.6	–	9.60	0.3780	121.0	184.0	9.60
A9419.7	–	9.70	0.3819	121.0	184.0	9.70
A9419.8	–	9.80	0.3858	121.0	184.0	9.80
A9419.9	–	9.90	0.3898	121.0	184.0	9.90
A94125/64	25/64	9.92	0.3906	111.0	178.0	9.92
A94110.0	–	10.00	0.3937	121.0	184.0	10.00
A94110.2	–	10.20	0.4016	121.0	184.0	10.20
A94110.3	–	10.30	0.4055	121.0	184.0	10.30
A94113/32	13/32	10.32	0.4063	111.0	178.0	10.32
A94110.5	–	10.50	0.4134	121.0	184.0	10.50
A94127/64	27/64	10.72	0.4219	117.0	184.0	10.72
A94111.0	–	11.00	0.4331	128.0	195.0	11.00
A9417/16	7/16	11.11	0.4375	117.0	184.0	11.11
A94111.2	–	11.20	0.4409	128.0	195.0	11.20
A94111.5	–	11.50	0.4528	128.0	195.0	11.50
A94129/64	29/64	11.51	0.4531	121.0	190.0	11.51
A94111.8	–	11.80	0.4646	128.0	195.0	11.80
A94115/32	15/32	11.91	0.4688	121.0	190.0	11.91
A94112.0	–	12.00	0.4724	134.0	205.0	12.00
A94112.2	–	12.20	0.4803	134.0	205.0	12.20
A94131/64	31/64	12.30	0.4844	121.0	197.0	12.30
A94112.5	–	12.50	0.4921	134.0	205.0	12.50
A9411/2	1/2	12.70	0.5000	121.0	197.0	12.70
A94113.0	–	13.00	0.5118	134.0	205.0	13.00
A94133/64	33/64	13.10	0.5156	121.0	203.0	13.10
A94113.5	–	13.50	0.5315	140.0	214.0	13.50
A94135/64	35/64	13.89	0.5469	124.0	210.0	13.89
A94114.0	–	14.00	0.5512	140.0	214.0	14.00
A9419/16	9/16	14.29	0.5625	124.0	210.0	14.29
A94114.5	–	14.50	0.5709	144.0	220.0	14.50
A94137/64	37/64	14.68	0.5781	124.0	222.0	14.68
A94115.0	–	15.00	0.5906	144.0	220.0	15.00
A94119/32	19/32	15.08	0.5938	124.0	222.0	15.08
A94139/64	39/64	15.48	0.6094	124.0	222.0	15.48
A94115.5	–	15.50	0.6102	149.0	227.0	15.50
A9415/8	5/8	15.88	0.6250	124.0	222.0	15.88
A94116.0	–	16.00	0.6299	149.0	227.0	16.00