1	А	В	С	D	F	F	-	Н		, 1
1	I. Bocal	В	Original bocal; Anon24 no bocal	D	E	F	G	Н	Herstein1	Anon11-NMM
2	dia reed end		inside diameter of reed end of bocal						Herstein	Anoniii waa
3	bocal string length (0, 1)		length of bocal inserted into receiver							
4	metal bocal length top (0, 1)		meas. along top of bocal							
5 6	metal bocal length bot (0, 1) dia wj end		meas. along bottom of bocal inside diameter of bocal							
7	did wj cha		inside didifferent of boots							
8	bocal logic	2	if bocal logic = 0 => bocal is choke; if bocal logic=1=>choke in wing joint calc;	if bocal logic	= 2 =:	no b	ocal		2	2
9										
10 11										
12										
13	II. Wing Joint Lengths		bocal receiver: Anon24 no, but a shelf from wear							
14	choke bore dia.	9.2	logic 1; bore diameter of choke;logic 0;either diameter bocal bottom or beginning	ng of bore at	botton	or re	ceiver		9.7	9.3
15	receiver length (1, 0) (formally choke length)	40	logic 1; length of choke from top of wing joint; logic 0; length of receiver (same	as string len	gth)				38	49
16 17	wing joint length tenon length	509 41.5	total wing joint length, including tenon and socket tenon length						535 44.6	516 38.4
18	tenon length	71.3	tenomicingui						44.0	50.4
19	wj f2	233	dist top of wing to where tone hole enters bore [not at the center of the tone ho	ole]					249	248
20	wj e	290							299	298
21	wj d	327							334	340
22	Bore dia. Bottom of wing joint	16.3	Need to Average, usally oval; Anon24 no						18.1	16.5
24	Bore dia. top of boot joint small side	16.2	Need to Average, asamy oral, Amone i no						17.2	16.8
25	Bore dia. top of boot joint large side	23.5	Anon24 24mm x 23mm						23.1	23
26										
27		1	logic=> if hi logic = 0 => plug removed: if hi logic = 1 => plug cannot he remo	avod					1	1
28 29	bj logic bj c	96	logic = > if bj logic = 0 = > plug removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = > plug cannot be removed; if bj logic = 1 = >						100	95
30	bj b	162	, and the state of						152	151
31	bj a	202							188	188
32	historal [Noodod for both boot logics]	422	total length of boot, include socket, along the small bore side		-	$\vdash$			422	419
33 34	bjstotal [Needed for both boot logics] bjltotal [Needed for both boot logics]	432 432	total length of boot, include socket, along the small bore side total length of boot, include socket, along large bore side		<del>                                     </del>	$\vdash$			422 422	419 419
35	plug small [Need for logic 0 only]	0	plug thickness, large bore side						0	0
36	plug large [Need for logic 0 only]	0	plug thickness, small bore side						0	0
37						$\Box$			25-	27-
38 39	boots [Needed for both boot logics] bootl [Needed for both boot logics]	382 382	hook length along s bore => bjs-septum length = boot - septum <= calc the se		-	$\vdash$			382 382	373 373
40	Jose [receded for both boot logics]	302	hook length along I bore => bjl-septum length = boot - septum <= calc the sep	-cum					302	3/3
41	boots bottom [Needed for both boot logics]	26	use hook, dist of bore [dist on stick plus 7mm, diff between hook and bot of stic	k] 19 + 7 =2	6				19.7	25
42	bootl bottom [Needed for both boot logics]	26	use hook, dist of bore [same as boots bot except tenon depth will be different]						19.7	25
43	outrome have [Needed feet]	40	Outside die of alug [measured]	width		$\vdash$			43	20.2
44 45	extreme bore [Needed for logic 1 only]	40	Outside dia of plug [measured] = small bore dia + large bore dia + the septum	width					43	39.2
46	septum length exp [Need for logic 0 only]	0	dist. from very bottom of boot to septum [point between the large and small bo	rel					41	0
47	septum length calc - do not imput value	50	dist. From very bottom of boot to spetum [bjl - bootl]	do not imput	value				40	46
48	septum length - do not imput value	50	if bj logic = 0 => septum = septum exp; if bj logic = 1 => septum = septum ca	do not imput	value				40	46
49		47.0							40.5	40.5
50 51	sbore dia sep* [Needed for both boot logics]  Ibore dia sep* [Needed for both boot logics]	17.8 19.4	septum small bore dia [assume = lbore dia sep]  Anon24 vrfd gap between bores; septum large bore dia [assume = sbore dia se	n1					18.5 18.8	18.5 18
52	sep width exp [Need for logic 0 only]	0	septum width; direct measurement if remove plug						7	0
53	sep width calc - do not imput value	2.8	septum width; calc. => extreme bore - sbore - lbore	do not imput					5.7	2.7
54	sep width - do not imput value	2.8	if bj logic = 0 => sep width = sep width exp; if bj logic = 1 => sep width = sep	do not imput	value				5.7	2.7
55 56	bj g	CM	Anon24 could not remove pin from G key flap; dist from top of boot (socket) to	whore G hale	ontor	horo	[not at a	cont of tono h	338	331
57	bj f1	137	dist from top of boot (socket) to where F1 hole enters bore [not at cent of tone		CITCOL	Doic	luoc ac .	certe or toric in	131	130
58										
59										
60 61										
62										
63	IV. Tone Hole Diameters									
64	f2									
65 66		6.6				$\vdash$			5.9	6
67	e d	5.8							6	5.7
	e d									
68	e d c	5.8 5.4 7.2							6 6 7.2	5.7 5.7 8.7
69	e d c b	5.8 5.4 7.2 6.4							6 6 7.2 7	5.7 5.7 8.7 7.3
69 70	e d d d d d d d d d d d d d d d d d d d	5.8 5.4 7.2 6.4 6.6	Apon 24 could not compare pin from G level floor.						7.2 7 6.9	5.7 5.7 8.7 7.3 6.1
69 70 71	e d d c c c b a g g f 1	5.8 5.4 7.2 6.4	Anon24 could not remove pin from G key flap;						7.2 7 6.9 8.4	5.7 5.7 8.7 7.3 6.1 9.9
70 71 72 73	e d d C C C C C C C C C C C C C C C C C	5.8 5.4 7.2 6.4 6.6 CM 11							7.2 7 6.9 8.4 9.4	5.7 5.7 8.7 7.3 6.1 9.9
70 71 72 73 74	e d d d d d d d d d d d d d d d d d d d	5.8 5.4 7.2 6.4 6.6 CM 11	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre						6 6 7.2 7 6.9 8.4 9.4	5.7 5.7 8.7 7.3 6.1 9.9 10
70 71 72 73 74 75	e d d d d d d d d d d d d d d d d d d d	5.8 5.4 7.2 6.4 6.6 CM 11	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre	eater]					7.2 7 6.9 8.4 9.4 10.9 9.4	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5
69 70 71 72 73 74 75 76	e d d d d d d d d d d d d d d d d d d d	5.8 5.4 7.2 6.4 6.6 CM 11	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre	eater]					6 6 7.2 7 6.9 8.4 9.4	5.7 5.7 8.7 7.3 6.1 9.9 10
69 70 71 72 73 74 75 76 77	e d d d d d d d d d d d d d d d d d d d	5.8 5.4 7.2 6.4 6.6 CM 11	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre	eater]					7.2 7 6.9 8.4 9.4 10.9 9.4	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5
69 70 71 72 73 74 75 76 77 78	e d d d d d d d d d d d d d d d d d d d	5.8 5.4 7.2 6.4 6.6 CM 11	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre	eater]					6 6 7.2 7 6.9 8.4 9.4 10.9	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5
69 70 71 72 73 74 75 76 77 78 79 80	e d d d d d d d d d d d d d d d d d d d	5.8 5.4 7.2 6.4 6.6 CM 11	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre	eater]					6 6 7.2 7 6.9 8.4 9.4 10.9	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5
69 70 71 72 73 74 75 76 77 78 79 80 81	d1 c1	5.8 5.4 7.2 6.4 6.6 CM 11	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre	eater]					6 6 7.2 7 6.9 8.4 9.4 10.9	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5
69 70 71 72 73 74 75 76 77 78 79 80	d1 c1	5.8 5.4 7.2 6.4 6.6 CM 11	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre	eater]					6 6 7.2 7 6.9 8.4 9.4 10.9	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5
69 70 71 72 73 74 75 76 77 78 79 80 81 82 83	d1 c1	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre	eater]					6 6 7.2 7 6.9 8.4 9.4 10.9 9.4 10.4	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12
69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85	d1 c1	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre	eater]					7.2 7 6.9 8.4 9.4 10.9 9.4 10.4	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12
69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85	d1 c1	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre	eater]					6 6 7.2 7 6.9 8.4 9.4 10.9 9.4 10.4	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12
69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86	d1 c1	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre	eater]					6 6 7.2 7 6.9 8.4 9.4 10.9 9.4 10.4 22 21.8 23	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12 25.8 25.9 24
69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88	d1 c1	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre	eater] eater]					6 6 7.2 7 6.9 8.4 9.4 10.9 9.4 10.4	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12
69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89	d1 c1	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9 22.4 19.4 18.8 27 23.4 22.4 CM	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gred to the hole dia, on long joint [need to average NS and EW dias, NS usually grect tone hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on long joint [need to average NS and EW dias, NS usually green to the hole dia, on lon	eater] eater] orth wall, tov	vard re	ed,ton	e hole u	sually at angle	7.2 7 6.9 8.4 9.4 10.9 9.4 10.4 22 21.8 23 26 25.2 26.3 20.5	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 12 25.8 25.9 24 28.5 29 27.2 14.5
69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 89 90	d1 c1	5.8 5.4 7.2 6.4 6.6 CM 11 11.9 11.9 22.4 19.4 18.8 27 23.4 22.4	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre	eater] eater] orth wall, tov	vard re	ed,ton	ue hole u	sually at angle	6 6 6 7.2 7 6.9 8.4 9.4 10.9 9.4 10.4 22.2 21.8 23 26 25.2 26.3	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12 25.8 25.9 24 28.5 29 27.2
69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92	d1 c1	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9 22.4 19.4 18.8 27 23.4 22.4 CM 18.8	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre  Anough the state of th	eater] eater] incomplete the second content wall, townspie]	ward re	ed,ton	e hole u	sually at angle	6 6 7.2 7 6.9 8.4 10.9 9.4 10.4 22 21.8 23 26 25.2 26.3 20.5 24.5	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12 25.8 25.9 24 28.5 29 27.2 14.5 21
69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 90 91 92 93	d1 c1	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9 22.4 19.4 18.8 27 23.4 22.4 CM	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gred to tone hole dia, on long joint [need to average NS and EW dias, NS usually grect tone hole dia, on long joint [need to average NS and EW dias, NS usually grect tone hole dia, on long joint [need to average NS and EW dias, NS usually grect tone hole dia, on long joint [need to average NS and EW dias, NS usually grect tone hole dia, on long joint [need to average NS and EW dias, NS usually grect tone hole dia, on long joint [need to average NS and EW dias, NS usually grect tone hole dia, on long joint [need to average NS and EW dias, NS usually grect tone hole dia, on long joint [need to average NS and EW dias, NS usually grect tone hole dia, on long joint [need to average NS and EW dias, NS usually grect tone hole dias, NS usually gre	eater] eater] orth wall, toungle]	vard re	ed,ton	e hole u	sually at angle	7.2 7 6.9 8.4 9.4 10.9 9.4 10.4 22 21.8 23 26 25.2 26.3 20.5	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 12 25.8 25.9 24 28.5 29 27.2 14.5
69 70 71 72 73 74 75 76 77 80 81 82 85 86 87 88 89 90 91 92 93 94 95	d1 c1 W. Tone Hole Depths f2 e d c b a g g f1 e1	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9 22.4 19.4 18.8 27 23.4 22.4 CM 18.8	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre  Anough the state of th	eater] eater] orth wall, tov ngle] list]	ward re	ed,ton	ie hole u	isually at angle	6 6 6 7.2 7 6.9 8.4 9.4 10.9 9.4 10.4 22 21.8 23 26.2 25.2 26.3 20.5 6 6	5,7 5,7 5,7 8,7 7,3 6,1 9,9 10 11,5 10,5 12 25,8 25,9 24 28,5 29 27,2 14,5 21
69 70 71 72 73 74 75 76 77 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	d1 c1 c1	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9 22.4 19.4 18.8 27 23.4 CM 18.8	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre  Anon24 could not remove pin from G key flap; meas along bot tone hole wall [n meas along east side tone hole wall [north wall, toward reed,t hole usually at ar e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d	eater] eater] orth wall, tov ngle] list]	vard re	ed,ton	e hole u	sually at angle	6 6 6 7.2 7 6.9 8.4 10.9 9.4 10.4 10.4 22 21.8 23 26.25.2 26.3 20.5 24.5	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12 25.8 25.9 24 28.5 29 27.2 14.5 21
69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97	d1 c1 c1	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9 22.4 19.4 18.8 27 23.4 CM 18.8	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre  Anon24 could not remove pin from G key flap; meas along bot tone hole wall [n meas along east side tone hole wall [north wall, toward reed,t hole usually at ar e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d	eater] eater] orth wall, tov ngle] list]	vard re	ed,ton	e hole u	sually at angle	6 6 6 7.2 7 6.9 8.4 10.9 9.4 10.4 10.4 22 21.8 23 26.25.2 26.3 20.5 24.5	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12 25.8 25.9 24 28.5 29 27.2 14.5 21
69 70 71 72 73 74 75 76 77 88 81 82 83 84 85 86 87 88 90 91 92 93 94 95 96 97 98	d1 c1 c1	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9 22.4 19.4 18.8 27 23.4 CM 18.8	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre  Anon24 could not remove pin from G key flap; meas along bot tone hole wall [n meas along east side tone hole wall [north wall, toward reed,t hole usually at ar e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d	eater] eater] orth wall, tov ngle] list]	ward re	ed,ton	ie hole u	sually at angle	6 6 6 7.2 7 6.9 8.4 10.9 9.4 10.4 10.4 22 21.8 23 26.25.2 26.3 20.5 24.5	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12 25.8 25.9 24 28.5 29 27.2 14.5 21
69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97	d1 c1 c1	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9 22.4 19.4 18.8 27 23.4 CM 18.8	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre  Anon24 could not remove pin from G key flap; meas along bot tone hole wall [n meas along east side tone hole wall [north wall, toward reed,t hole usually at ar e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d	eater] eater] orth wall, tov ngle] list]	vard re	ed,ton	ie hole u	sually at angle	6 6 6 7.2 7 6.9 8.4 10.9 9.4 10.4 10.4 22 21.8 23 26.25.2 26.3 20.5 24.5	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12 25.8 25.9 24 28.5 29 27.2 14.5 21
69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 90 91 92 93 94 95 96 97 98 99 90 100 100 100 100 100 100	V. Tone Hole Depths   F2	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9 22.4 19.4 18.8 27 23.4 CM 18.8 10.4 10.8 11	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre Anon24 could not remove pin from G key flap; meas along bot tone hole wall [n meas along east side tone hole wall [north wall, toward reed,t hole usually at ar e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t1 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t2 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t3 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t4 tone hole depth; meas east/west with deapth gauge [at center, or shortest of t4 tone hole depth; meas east/west with deapth	eater] eater] orth wall, tov ngle] list]	ward re	ed,ton	ie hole u	sually at angle	6 6 6 7.2 7 6.9 8.4 9.4 10.9 9.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12 25.8 25.9 24 28.5 29 27.2 14.5 21 5 5 5.7
69 70 71 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 90 91 92 93 94 95 96 97 98 99 100 101 101 101 101 101 101 101 101	V. Tone Hole Depths   Page   Page	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9 22.4 19.4 18.8 27 23.4 22.4 CM 18.8 10.4	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gred tone hole dia, on long joint [need to average NS and EW dias, NS usually grect tone hole dia, on long joint [need to average NS and EW dias, NS usually greet tone hole dia, on long joint [need to average NS and EW dias, NS usually greet long to the long joint [need to average NS and EW dias, NS usually greet long to the long joint [need to average NS and EW dias, NS usually greet long to the long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usually greet long to long joint [need to average NS and EW dias, NS usual	eater] eater] orth wall, tov ngle] list]	vard re	ed,ton	ie hole u	sually at angle	7.2 7 6.9 8.4 9.4 10.9 9.4 10.4 22 21.8 23 26 25.2 26.3 20.5 24.5	5.7 5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12 25.8 25.9 24 28.5 29 27.2 14.5 21
69 70 71 72 73 74 75 76 77 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 98 90 91 91 91 91 91 91 91 91 91 91	d1 c1 v. Tone Hole Depths f2 e d d c b b a g f1 e1 d1 c1 vI. Long Joint lg length lg tenon bot	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9 22.4 19.4 18.8 27 23.4 CM 10.8 11	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre Anon24 could not remove pin from G key flap; meas along bot tone hole wall [n meas along east side tone hole wall [north wall, toward reed, thole usually at ar e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c2 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c3 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c4 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c5 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c6 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c6 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c7 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c8 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c9 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c2 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c3 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c4 tone hole depth; meas east/west with deapth gauge [at center,	eater] eater] orth wall, tov ngle] list]	ward re	ed,ton	e hole u	isually at angle	6 6 6 7.2 7 6.9 8.4 9.4 10.9 9.4 10.4 10.4 22 21.8 23 26 25.2 26.3 20.5 24.5 6 9 5 5 9 48.5	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12 25.8 25.9 24 28.5 29 27.2 14.5 21 5 5 5.7
69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 91 102 102 103 104 105 105 105 105 105 105 105 105	V. Tone Hole Depths   F	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9 22.4 19.4 18.8 27 23.4 22.4 CM 18.8 10.4 10.8 11	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre average NS and EW dias, NS usually gre eNS and EW dias, NS usually gre average NS and EW dias, NS usually gre end to expect to the diase of EW diase, NS usually gre end to expect to expe	eater] eater] orth wall, tov ngle] list]	ward re	ed,ton	ie hole u	sually at angle	6 6 6 7.2 7 6.9 8.4 9.4 10.9 9.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12 25.8 25.9 24 28.5 29 27.2 14.5 21 5 5 5.7
69 70 71 72 73 74 75 76 77 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 98 90 91 91 91 91 91 91 91 91 91 91	d1 c1 v. Tone Hole Depths f2 e d d c b b a g f1 e1 d1 c1 vI. Long Joint lg length lg tenon bot lj bot bore lj top bore	5.8 5.4 7.2 6.4 6.6 CM 11 13.4 12 11.9 22.4 19.4 18.8 27 23.4 CM 10.8 11	e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre d1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gre Anon24 could not remove pin from G key flap; meas along bot tone hole wall [n meas along east side tone hole wall [north wall, toward reed, thole usually at ar e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest d d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c2 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c3 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c4 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c5 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c6 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c6 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c7 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c8 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c9 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c2 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c3 tone hole depth; meas east/west with deapth gauge [at center, or shortest c c4 tone hole depth; meas east/west with deapth gauge [at center,	eater] eater] orth wall, tov ngle] list]	ward re	ed,ton	ie hole u	sually at angle	6 6 6 7.2 7 6.9 8.4 9.4 10.9 9.4 10.4 10.4 22 21.8 23 26 25.2 26.3 20.5 24.5 6 9 5 5 9 48.5	5.7 5.7 8.7 7.3 6.1 9.9 10 11.5 10.5 12 25.8 25.9 24 28.5 29 27.2 14.5 21 5 5 5.7

				- I	- 1 -			, –
A 107 of distance	B	dist land joint tonon to all from het of tonon to whove tone help enters have	D	Е	F G	Н	67	56
107 e1 distance 108 d1 distance	64 252	dist long joint tenon to e1 [from bot of tenon to where tone hole enters bore] dist long joint tenon to d1 [from bot of tenon to where tone hole enters bore]					257	255
109 c1 distance	474	dist long joint tenon to c1 [from bot of tenon to where tone hole enters bore]					462	507
110								
111								
112 113								
114								
115 VII. Bore diameters at Tone Holes								
116 f2	12.2						12.8	11.7
117 e	13.1			-			13.6	12.5
118 d 119	13.4						13.9	13.2
120 c	17						17.8	17.1
121 b	17.1						18.3	17.2
122 a	17.1						18.4	17.7
123 g 124 f1	20 21.6	Anon24 could not remove pin from G key flap; but could meas. tone hole					18.9 21.8	18.5 21.5
125	21.0						21.0	21.5
126 e1	23	e1 tone hole bore diameter on long joint					23.4	22.5
127 d1	26	d1 tone hole bore diameter on long joint					25.1	25.2
128 c1	29.5	c1 tone hole bore diameter on long joint					28.4	29.3
129 130				-				
131								
132								
133								
134 VIII. Bell	1	Anon24 There is not a tone hole in the bell  If hall, logic = 0 = > parmal copical horse if hall, logic = 1 = > invested copical horse if h	oll losis 3	S 8-0"	maneia-		-1	1
135 bell logic 136 bell_length (0, 1, 2)	285	If bell_logic = 0 => normal conical bore; if bell_logic = 1 => inverted concial bore; if bell_logic = 1 => inv	eii_logic = 2 =	> pell ex	pansion		277	260
137 bell_bot_bore (0, 1, 2)	29.3	dia bore at the bottom of bell [end with socket]					29	30.8
138 bell_top_bore 0, (1, 0, 2)	26	Anon24 OOR; dia bore at the top of bell [where low Bb exits]					24.6	27.5
139 bell_center_bore (only for logic 2)		dia bore at max center of expansion						
140 bell_wall (only for logic 2) 141 bell_bot_bore_expansion (only for logic 2)	<del>                                     </del>	bell wall thickness, Just for David	0 =>1001	-+				
141 bell_bot_bore_expansion (only for logic 2) 142 Outside diameter of wood at expansion		dist of bottom to maxium of expansion [including bell socket length,if bell logic= Just for David	-0 ->100]					
143 bell_tenon (0, 1, 0, 2)	28	Anon24 socket in bad shape; bell socket length					39.6	36
144 bell_expansion_length (only for logic 2)		distance of maxium expansion to top of bell [where Bb exits]						
145 Belfig	38						49.5	34.5
146 147	<del>                                     </del>							
148 IX. PITCH								
149 pitch	415	input the historical pitch of the bassoon, must input value, best guess					415	415
150 freq_init	380	Initial frequency range variable					380	380
151 Delta frequency	2	frequency increment parameter					2	2
152 Number of frequencies 153 Frequency adjust	1.05	number of frequencies to scan for min chi sq frequency adjustment parameter					1.05	60 1.05
154 X. Title	1.03	requeriey dajustrient parameter					1.05	1.05
155 title		Bassoon Calculation: Anon24-O-Markneukirchen1023-Wg1-WOB-DNM						
156								
157		Notes on long joint bore: Anon24 normal						
157 158		Notes on long joint bore: Anon24 normal Notes on boot joint bore: Anon24 normal						
157	18	Notes on long joint bore: Anon24 normal					20	20
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm	9.2	Notes on long joint bore: Anon24 normal Notes on boot joint bore: Anon24 normal Notes on wing joint bore: Anon24 good shape Number of diameters Initial bore diameter [do not include in line 160 counting]					0	9.3
157	9.2 390	Notes on long joint bore: Anon24 normal Notes on boot joint bore: Anon24 normal Notes on wing joint bore: Anon24 good shape Number of diameters Initial bore diameter [do not include in line 160 counting] dist1; measured from the bottom of the wing joint- 10mm			1		0	9.3 365
157   158   159   XI. Bore Diameter Locations   160   161   Bell bore at socket 29.3mm   162   29mm rod, 87mm from socket, OOR   163   28mm rod, 156mm from socket	9.2 390 332	Notes on long joint bore: Anon24 normal Notes on boot joint bore: Anon24 normal Notes on wing joint bore: Anon24 good shape Number of diameters Initial bore diameter: do not include in line 160 counting dist1; measured from the bottom of the wing joint- 10mm dist2; measured from the bottom of the wing joint- 11mm			1 1 1		0 0 370	9.3 365 302
157	9.2 390	Notes on long joint bore: Anon24 normal Notes on boot joint bore: Anon24 normal Notes on wing joint bore: Anon24 good shape Number of diameters Initial bore diameter [do not include in line 160 counting] dist1; measured from the bottom of the wing joint- 10mm dist2; measured from the bottom of the wing joint- 11mm dist3; measured from the bottom of the wing joint- 12mm					0 0 370 317	9.3 365
157	9.2 390 332 295 223 148	Notes on long joint bore: Anon24 normal Notes on boot joint bore: Anon24 normal Notes on wing joint bore: Anon24 good shape Number of diameters Initial bore diameter [do not include in line 160 counting] dist1; measured from the bottom of the wing joint- 10mm dist2; measured from the bottom of the wing joint- 11mm dist3; measured from the bottom of the wing joint- 12mm dist4; measured from the bottom of the wing joint- 13mm dist5; measured from the bottom of the wing joint- 14mm			1 1 1		0 0 370 317 273 200	9.3 365 302 253 190 138
157     158     159   XI. Bore Diameter Locations   160     161   Bell bore at socket 29.3mm   162   29mm rod, 87mm from socket, OOR   163   28mm rod, 156mm from socket   164   27mm rod, 200mm from socket, OOR   165   Bell at top 26.0   166   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   167   1	9.2 390 332 295 223 148 25	Notes on long joint bore: Anon24 normal Notes on boot joint bore: Anon24 normal Notes on wing joint bore: Anon24 good shape Number of diameters Initial bore diameters Initial bore diameter [do not include in line 160 counting] dist1; measured from the bottom of the wing joint- 10mm dist2; measured from the bottom of the wing joint- 11mm dist3; measured from the bottom of the wing joint- 12mm dist4; measured from the bottom of the wing joint- 13mm dist5; measured from the bottom of the wing joint- 15mm dist6; measured from the bottom of the wing joint- 15mm	Bottom wing	16.3	1 1 1 1		0 0 370 317 273 200 153	9.3 365 302 253 190 138 93
157	9.2 390 332 295 223 148 25 0	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameter:  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 13mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 15mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm	top boot sma	16.2	1 1 1 1 1		0 0 370 317 273 200 153 89	9.3 365 302 253 190 138 93 40
157     158   159   XI. Bore Diameter Locations   160   161   Bell bore at socket 29.3mm   162   29mm rod, 87mm from socket, OOR   163   28mm rod, 156mm from socket   164   27mm rod, 200mm from socket, OOR   165   Bell at top 26.0   166   167   168   169   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170	9.2 390 332 295 223 148 25	Notes on long joint bore: Anon24 normal Notes on boot joint bore: Anon24 normal Notes on wing joint bore: Anon24 good shape Number of diameters Initial bore diameters Initial bore diameter [do not include in line 160 counting] dist1; measured from the bottom of the wing joint- 10mm dist2; measured from the bottom of the wing joint- 11mm dist3; measured from the bottom of the wing joint- 12mm dist4; measured from the bottom of the wing joint- 13mm dist5; measured from the bottom of the wing joint- 15mm dist6; measured from the bottom of the wing joint- 15mm			1 1 1 1		0 0 370 317 273 200 153	9.3 365 302 253 190 138 93
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29,3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170	9.2 390 332 295 223 148 25 0 96 0	Notes on long joint bore: Anon24 normal Notes on boot joint bore: Anon24 normal Notes on wing joint bore: Anon24 good shape Number of diameters Initial bore diameter [do not include in line 160 counting] dist1; measured from the bottom of the wing joint: 10mm dist2; measured from the bottom of the wing joint: 11mm dist3; measured from the bottom of the wing joint: 12mm dist4; measured from the bottom of the wing joint: 13mm dist5; measured from the bottom of the wing joint: 14mm dist6; measured from the bottom of the wing joint: 15mm dist7; measured from the bottom of the wing joint: 16mm dist8; measured from the bottom of the wing joint: 16mm dist8; measured from the bottom of the wing joint: 17mm dist9; measured from the bottom of the sing joint: 17mm dist9; measured from the top of the bootjoint - small bore side- 18mm dist10; measured from the top of the bootjoint - large bore side- 19mm	top boot sma top boot larg sbore dia ser	16.2 23.5 17.8	1 1 1 1 1 2 2		0 0 370 317 273 200 153 89 13 129 270	9.3 365 302 253 190 138 93 40 60 288 318
157   158   159   XI. Bore Diameter Locations   160   161   Bell bore at socket 29.3mm   162   29mm rod, 87mm from socket, OOR   163   28mm rod, 156mm from socket   164   27mm rod, 200mm from socket, OOR   165   Bell at top 26.0   166   167   168   169   170   171   172   172   172   173   174   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   1	9.2 390 332 295 223 148 25 0 96 0 0 353	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameter [do not include in line 160 counting] dist1; measured from the bottom of the wing joint- 10mm dist2; measured from the bottom of the wing joint- 11mm dist3; measured from the bottom of the wing joint- 12mm dist4; measured from the bottom of the wing joint- 13mm dist5; measured from the bottom of the wing joint- 15mm dist6; measured from the bottom of the wing joint- 15mm dist6; measured from the bottom of the wing joint- 15mm dist6; measured from the bottom of the wing joint- 17mm dist8; measured from the bottom of the wing joint- 17mm dist9; measured from the top of the bootjoint - small bore side- 18mm dist10; measured from the top of the bootjoint - large bore side- 19mm dist11; measured from the top of the bootjoint - large bore side- 20mm	top boot sma top boot larg sbore dia seg lbore dia sep	16.2 23.5 17.8 19.4	1 1 1 1 1 1 2 2 2 3 3		0 0 370 317 273 200 153 89 13 129 270 260	9.3 365 302 253 190 138 93 40 60 288 318 245
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172	9.2 390 332 295 223 148 25 0 96 0 0 0 353 243	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 13mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 15mm  dist6; measured from the bottom of the wing joint- 16mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist9; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - snall bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist12; measured from the top of the bootjoint - large bore side- 20mm  dist12; measured from the top of the bootjoint - large bore side- 21mm	top boot sma top boot larg sbore dia seg lbore dia sep Hook Length	16.2 23.5 17.8	1 1 1 1 1 1 2 2 2 3 3 3		0 0 370 317 273 200 153 89 13 129 270 260	9.3 365 302 253 190 138 93 40 60 288 318 245
157	9.2 390 332 295 223 148 25 0 96 0 0 353	Notes on long joint bore: Anon24 normal Notes on boot joint bore: Anon24 normal Notes on wing joint bore: Anon24 good shape Number of diameters Initial bore diameters Initial bore diameter [do not include in line 160 counting] dist1; measured from the bottom of the wing joint- 10mm dist2; measured from the bottom of the wing joint- 11mm dist3; measured from the bottom of the wing joint- 12mm dist4; measured from the bottom of the wing joint- 13mm dist5; measured from the bottom of the wing joint- 15mm dist6; measured from the bottom of the wing joint- 15mm dist6; measured from the bottom of the wing joint- 17mm dist9; measured from the bottom of the wing joint- 17mm dist8; measured from the bottom of the wing joint- 17mm dist9; measured from the bottom of the wing joint- 17mm dist10; measured from the top of the bootjoint - small bore side- 18mm dist11; measured from the top of the bootjoint - large bore side- 20mm dist12; measured from the top of the bootjoint - large bore side- 20mm dist12; measured from the top of the bootjoint - large bore side- 21mm Anon24 vrid app; dist13; measured from the top of the bootjoint - large bore side- 21mm	top boot sma top boot larg sbore dia seg lbore dia sep Hook Length	16.2 23.5 17.8 19.4	1 1 1 1 1 1 2 2 2 3 3		0 0 370 317 273 200 153 89 13 129 270 260 194	9.3 365 302 253 190 138 93 40 60 288 318 245 163 575
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175	9.2 390 392 295 223 148 25 0 96 0 0 353 243 115 515 473	Notes on long joint bore: Anon24 normal Notes on boot joint bore: Anon24 normal Notes on wing joint bore: Anon24 good shape Number of diameters Initial bore diameters Initial bore diameter [do not include in line 160 counting] dist1; measured from the bottom of the wing joint- 10mm dist2; measured from the bottom of the wing joint- 11mm dist3; measured from the bottom of the wing joint- 11mm dist4; measured from the bottom of the wing joint- 13mm dist5; measured from the bottom of the wing joint- 13mm dist6; measured from the bottom of the wing joint- 15mm dist7; measured from the bottom of the wing joint- 16mm dist8; measured from the bottom of the wing joint- 16mm dist9; measured from the top tof the bootjoint - large bore side- 19mm dist10; measured from the top of the bootjoint - large bore side- 20mm dist12; measured from the top of the bootjoint - large bore side- 21mm Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm dist15; measured from the top of the bootjoint - large bore side- 23mm dist11; measured from the top of the bootjoint - large bore side- 23mm dist12; measured from the top of the bootjoint - large bore side- 23mm dist15; measured from the top of the bootjoint - large bore side- 23mm dist15; measured from the top of the bootjoint - large bore side- 23mm dist15; measured from the top of the bootjoint - large bore side- 23mm	top boot sma top boot larg sbore dia seg lbore dia sep Hook Length	16.2 23.5 17.8 19.4	1 1 1 1 1 2 2 2 3 3 3 3 4		0 0 370 317 273 200 153 89 13 129 270 260 194 119 65	9.3 365 302 253 190 138 93 40 60 288 318 245
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176	9.2 390 332 295 223 148 25 0 96 0 353 243 115 515 473 405	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameter: Jo not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 12mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 15mm  dist6; measured from the bottom of the wing joint- 15mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 17mm  dist9; measured from the bottom of the wing joint- 17mm  dist9; measured from the bottom of the wing joint- 17mm  dist1; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist12; measured from the top of the bootjoint - large bore side- 21mm  dist14; measured from the top of the bootjoint - large bore side- 23mm  dist15; measured from the top of the bootjoint - large bore side- 23mm  dist15; measured from the top of the long joint- 24mm	top boot sma top boot larg sbore dia seg lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382	1 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4		0 0 370 317 273 200 153 89 13 129 270 260 194 119 65 443 350	9.3 365 302 253 190 138 93 40 60 60 288 318 245 163 575 488 418 360
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 17mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist15; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm	top boot sma top boot larg sbore dia seg lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382	1 1 1 1 1 2 2 2 3 3 3 3 4		0 0 370 317 273 200 153 89 13 129 270 260 194 119 65 443 350 240	9.3 365 302 253 190 138 93 40 60 288 318 245 163 575 488 418 360 295
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 178	9.2 390 332 295 223 148 25 0 0 0 353 243 115 515 473 405 324 250	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 12mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist6; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 17mm  dist9; measured from the bottom of the wing joint- 17mm  dist9; measured from the top of the bootjoint - small bore side- 18mm  dist10; measured from the top of the bootjoint - large bore side- 20mm  dist12; measured from the top of the bootjoint - large bore side- 21mm  dist14; measured from the top of the bootjoint - large bore side- 23mm  dist15; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist13; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist13; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist13; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist13; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist13; measured from the top of the long joint- 25mm	top boot sma top boot larg sbore dia seg lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382	1 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4		0 0 370 317 273 200 153 89 13 129 270 270 194 119 65 443 350 240 185	9.3 365 302 253 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 177 177 178 179 180	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 17mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist15; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm	top boot sma top boot larg sbore dia seg lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382	1 1 1 1 1 1 1 1 2 2 2 2 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4		0 0 370 317 273 200 153 89 13 129 270 260 194 119 65 443 350 240	9.3 365 302 253 190 138 93 40 60 288 318 245 163 575 488 418 360 295
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 171 172 173 174 110 on boot large side 175 176 177 178 179 180 180 181	9.2 390 332 295 223 148 25 0 0 0 0 353 243 115 515 473 405 324 250 203 140 70	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameter: I on on include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 12mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 15mm  dist6; measured from the bottom of the wing joint- 15mm  dist6; measured from the bottom of the wing joint- 15mm  dist8; measured from the bottom of the wing joint- 17mm  dist9; measured from the bottom of the wing joint- 17mm  dist9; measured from the bottom of the wing joint- 17mm  dist10; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist12; measured from the top of the bootjoint - large bore side- 21mm  dist14; measured from the top of the bootjoint - large bore side- 23mm  dist15; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 26mm  dist19; measured from the top of the long joint- 28mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm	top boot sma top boot larg sbore dia seg lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382	1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 3 3 3 3		0 0 0 370 377 370 377 273 200 153 89 13 129 270 260 194 443 350 240 185 150 116 32	9.3 365 302 253 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 125 0
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 177 178 179 180 181 181	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 370 377 273 200 153 89 13 129 270 260 194 119 65 443 350 240 185 150	9.3 365 302 253 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 125 0
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 178 179 180 180 181 181	9.2 390 332 295 223 148 25 0 0 0 0 353 243 115 515 473 405 324 250 203 140 70	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint-10mm  dist2; measured from the bottom of the wing joint-11mm  dist3; measured from the bottom of the wing joint-12mm  dist4; measured from the bottom of the wing joint-13mm  dist5; measured from the bottom of the wing joint-13mm  dist6; measured from the bottom of the wing joint-15mm  dist7; measured from the bottom of the wing joint-16mm  dist8; measured from the bottom of the wing joint-17mm  dist8; measured from the top of the bootjoint-large bore side-19mm  dist10; measured from the top of the bootjoint-large bore side-20mm  dist11; measured from the top of the bootjoint-large bore side-21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint-25mm  dist14; measured from the top of the long joint-25mm  dist16; measured from the top of the long joint-25mm  dist16; measured from the top of the long joint-25mm  dist18; measured from the top of the long joint-28mm  dist19; measured from the top of the long joint-28mm  dist19; measured from the top of the long joint-28mm  dist20; measured from the top of the long joint-28mm  dist20; measured from the top of the long joint-28mm  dist21; measured from the top of the long joint-29mm  dist21; measured from the top of the long joint-30mm	top boot sma top boot larg sbore dia seg lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382	1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 3 3 3 3		0 0 0 370 317 273 200 153 89 13 129 270 260 194 119 65 240 350 240 185 150 116 32 0	9.3 365 302 253 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 125 0
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 163 28mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 178 179 180 181 181 181 182 183	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 377 377 273 200 150 150 150 160 160 160 160 160 160 160 160 160 16	9.3 365 302 253 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 125 0 0
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 178 179 180 181 181 182 183 184 185	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 317 273 200 153 89 13 129 270 260 194 119 65 240 350 240 185 150 116 32 0	9.3 365 302 253 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 125 0
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 177 178 179 180 181 181 182 183 184 185 186 187	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 377 370 370 377 273 200 153 89 13 129 270 260 194 119 65 443 350 116 32 0 0 10 11 11 12 13	9.3 365 302 253 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 125 0 0 10 11 12 13
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 171 172 173 174 110 on boot large side 175 176 177 178 180 181 181 182 183 184 185 186	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 377 377 377 377 200 153 89 13 129 270 260 194 119 413 350 240 185 350 0 0 10 11 12 13 14	9.3 365 302 253 190 138 93 40 60 60 288 318 245 163 575 488 418 360 295 235 180 125 0 0 10 11 12 13 14
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 178 179 180 181 181 182 183 184 185 186 187	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 317 273 200 153 153 200 159 4 119 240 185 240 116 32 2 0 0 10 11 12 13 13 14 15	9.3 365 302 253 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 125 0 0 10 11 12 13 14 15
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 171 172 173 174 110 on boot large side 175 176 177 178 180 181 181 182 183 184 185 186	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 377 377 377 377 200 153 89 13 129 270 260 194 119 413 350 240 185 350 0 0 10 11 12 13 14	9.3 365 302 253 190 138 93 40 60 60 288 318 245 163 575 488 418 360 295 235 180 125 0 0 10 11 12 13 14
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 177 178 179 180 181 182 183 184 185 186 187 188 189 199 190 191	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 377 377 377 377 377 377 377 37	9.3 365 302 253 309 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 0 0 10 11 12 13 14 15 16 17 18
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 191	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej lbore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 377 377 378 379 379 379 379 379 379 379 379 379 379	9.3 365 302 253 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 125 0 0 10 11 12 13 14 15 16 17 18
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket, I64 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 178 179 188 189 180 181 182 183 184 185 186 187 188 189 190 190 191 191	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej ibore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 317 317 317 317 3200 153 50 50 50 50 50 50 50 50 50 50 50 50 50	9.3 365 302 253 309 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 125 0 0 10 11 12 13 14 15 16 17 18 19 20
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 171 172 173 174 110 on boot large side 175 176 177 178 180 181 181 182 183 184 185 186 187 188 189 190 190 191 192 193	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej ibore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 377 377 377 377 377 377 377 37	9,3 365 302 253 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 125 0 0 10 11 12 13 14 15 16 17 18
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 177 180 181 181 182 183 184 185 186 187 188 189 190 191 192 193 194 194 195	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej ibore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 317 317 317 317 3200 153 50 50 50 50 50 50 50 50 50 50 50 50 50	9.3 365 302 253 309 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 125 0 0 10 11 12 13 14 15 16 17 18 19 20
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 178 179 180 181 182 183 184 185 186 187 188 188 189 190 191 191 192 193 193 194 195	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej ibore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 377 377 378 379 379 379 379 379 379 379 379 379 379	9.3 365 302 253 309 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 125 0 0 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 178 179 188 189 189 180 181 182 183 184 185 186 187 188 189 190 191 191 192 193 194	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej ibore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 377 377 377 377 377 377 377 37	9,3 365 302 253 309 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 0 0 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 185mm from socket, OOR 163 28mm rod, 185mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 178 179 180 181 181 182 183 184 185 186 187 188 189 190 191 191 192 193 194 195 196 197	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej ibore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 377 377 378 379 379 379 379 379 379 379 379 379 379	9.3 365 302 253 309 190 138 93 40 60 60 288 318 245 163 575 488 418 360 295 235 180 125 0 0 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 178 179 180 181 181 182 183 184 189 190 190 191 191 192 193 194 199 190 191 197 198 199 190 191 197 198 199 190 191 197 198 199 200 201	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej ibore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 317 317 317 317 320 317 317 3153 89 13 3129 270 260 194 119 4119 315 32 40 116 32 40 116 32 40 116 32 40 117 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	9.3 365 302 253 309 190 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 10 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket 164 27mm rod, 200mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 178 179 180 181 181 182 183 184 185 186 187 188 189 190 191 191 192 193 194 195 196 197 198 199 200 201 201 202 203	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej ibore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 377 377 377 377 377 377 377 37	9.3 365 302 253 309 190 138 93 40 60 288 318 245 163 575 488 418 360 295 180 125 0 0 10 11 12 13 14 15 16 17 18 19 20 21 12 22 23 24 25 26 27 28
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 179 188 189 199 180 181 182 183 184 185 186 187 189 199 190 191 192 193 194 199 199 200 201 201 202 203 204 205	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej ibore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 377 377 377 378 379 379 379 379 379 379 379 379 379 379	9,3 365 302 253 309 138 93 40 60 288 318 245 163 575 488 418 360 295 235 180 125 0 0 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
157 158 159 XI. Bore Diameter Locations 160 161 Bell bore at socket 29.3mm 162 29mm rod, 87mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 163 28mm rod, 156mm from socket, OOR 165 Bell at top 26.0 166 167 168 169 170 171 172 173 174 110 on boot large side 175 176 177 178 179 188 189 180 181 181 182 183 184 185 186 187 188 189 190 191 191 192 193 193 194 195 196 197 198 199 200 201 202 203	9.2 390 332 295 223 148 25 0 96 0 0 353 243 115 515 473 405 324 250 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Notes on long joint bore: Anon24 normal  Notes on boot joint bore: Anon24 normal  Notes on wing joint bore: Anon24 good shape  Number of diameters  Initial bore diameters  Initial bore diameter [do not include in line 160 counting]  dist1; measured from the bottom of the wing joint- 10mm  dist2; measured from the bottom of the wing joint- 11mm  dist3; measured from the bottom of the wing joint- 11mm  dist4; measured from the bottom of the wing joint- 13mm  dist5; measured from the bottom of the wing joint- 13mm  dist6; measured from the bottom of the wing joint- 15mm  dist7; measured from the bottom of the wing joint- 16mm  dist8; measured from the bottom of the wing joint- 17mm  dist8; measured from the bottom of the wing joint- 18mm  dist9; measured from the top of the bootjoint - large bore side- 19mm  dist11; measured from the top of the bootjoint - large bore side- 20mm  dist11; measured from the top of the bootjoint - large bore side- 21mm  Anon24 vrfd gap; dist13; measured from the top of the bootjoint - large bore side- 23mm  dist16; measured from the top of the long joint- 24mm  dist16; measured from the top of the long joint- 25mm  Anon24 vrfd gap; dist17; measured from the top of the long joint- 25mm  dist18; measured from the top of the long joint- 25mm  dist19; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 28mm  dist21; measured from the top of the long joint- 30mm  dist21; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm  dist22; measured from the top of the long joint- 30mm	top boot smatop boot larg sbore dia sej ibore dia sep Hook Length de- 22mm	16.2 23.5 17.8 19.4 382 22.4	1 1 1 1 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 370 377 377 377 377 377 377 377 37	9.3 365 302 253 309 190 138 93 40 60 288 318 245 163 575 488 418 360 295 180 125 0 0 10 11 12 13 14 15 16 17 18 19 20 21 12 22 23 24 25 26 27 28