

## Used Tool Joint Acceptance Criteria

All dimensions in inches

Nominal Size/Wt.	Conn.	Grade	Premium Class				Class 2				Minimum		Max.	Max.
			Max. ID	Min. OD	Min. Shoulder	Min. Seal	Max. ID	Min. OD	Min. Shoulder	Min. Seal	Tong Space PIN	BOX	Cbore Diameter	Bevel Diameter
2-3/8	PAC	E	1-3/8	2-25/32	9/64	1/8	1-19/32	2-23/32	7/64	7/64	4	4	2-29/64	2-23/32
6.65	SL-H90	E	2-3/32	3-1/32	3/32	3/32	2-5/32	2-31/32	1/16	5/64	4	4-1/2	2-13/16	3-9/64
	OH	E	2-1/16	3-3/32	3/32	3/32	2-1/8	3-1/16	5/64	5/64	4	4	2-27/32	3-5/32
	NC26	E	2-3/32	3-3/16	5/64	3/32	2-5/32	3-5/32	1/16	5/64	4	4-5/8	3	3-9/32
		X	2	3-1/4	7/64	7/64	2-3/32	3-7/32	3/32	3/32	4	4-5/8	3	3-9/32
	G		1-15/16	3-9/32	1/8	7/64	2-1/32	3-1/4	7/64	7/64	4	4-5/8	3	3-9/32
2-7/8	PAC	E	1-7/32	3-9/64	3/16	11/64	1-13/32	3-5/64	3/16	11/64	4	4	2-41/64	3-1/64
10.4	SL-H90	E	2-15/32	3-19/32	9/64	7/64	2-17/32	3-17/32	7/64	3/32	4	4-5/8	3-9/32	3-59/64
		X	2-5/16	3-11/16	3/16	9/64	2-13/32	3-5/8	5/32	1/8	4	4-5/8	3-9/32	3-59/64
	OH	E	2-9/32	3-19/32	9/64	9/64	2-3/8	3-17/32	7/64	1/8	4	4-3/8	3-1/4	3-5/8
	NC26	E	1-23/32	3-13/32	3/16	5/32	1-27/32	3-11/32	5/32	9/64	4	4-3/8	3	3-9/32
	NC31	E	2-1/2	3-13/16	1/8	1/8	2-19/32	3-3/4	3/32	7/64	4	5-1/8	3-33/64	3-31/32
		X	2-5/16	3-29/32	11/64	5/32	2-7/16	3-13/16	9/64	1/8	4	5-1/8	3-33/64	3-31/32
	G	2-1/4	3-15/16	13/64	11/64	2-3/8	3-7/8	5/32	9/64	4	5-1/8	3-33/64	3-31/32	
	S	2-1/32	4-1/16	17/64	13/64	2-13/16	4	7/32	3/16	4	5-1/8	3-33/64	3-31/32	
	E	2-13/32	3-23/32	9/64	1/8	2-1/2	3-21/32	7/64	7/64	4	5-5/8	3-29/64	4-3/64	
3-1/2	NC31	E	2-1/8	4	15/64	3/16	2-9/32	3-15/16	13/64	11/64	4	5-1/8	3-33/64	3-31/32
13.3	3-1/2 H90	E	3-5/16	4-17/32	1/8	1/8	3-3/8	4-1/2	7/64	7/64	4	5-5/8	4-1/4	5
		X	3-5/32	4-5/8	11/64	5/32	3-1/4	4-9/16	9/64	1/8	4	5-5/8	3-15/16	5
	XH	E	2-13/16	4-11/32	9/64	5/32	2-29/32	4-1/4	1/8	1/8	4	5-1/8	3-15/16	4-35/64
		X	2-19/32	4-7/16	13/64	3/16	2-23/32	4-3/8	11/64	11/64	4	5-1/8	3-15/16	4-35/64
		G	2-15/32	4-1/2	15/64	13/64	2-21/32	4-13/32	3/16	11/64	4	5-1/8	3-59/64	4-35/64
	SLH90	X	2-7/8	4-3/8	13/64	11/64	2-31/32	4-5/16	3/16	9/64	4	4-5/8	4-9/64	4-29/64
	NC38	E	3-1/16	4-1/2	11/64	9/64	3-1/8	4-7/16	9/64	1/8	4	5-5/8	4-9/64	4-19/32
		X	2-7/8	4-19/32	7/32	11/64	3	4-17/32	3/16	5/32	4	5-5/8	4-9/64	4-19/32
		G	2-25/32	4-21/32	1/4	13/64	2-7/8	4-19/32	7/32	11/64	4	5-5/8	4-9/64	4-19/32
		S	2-17/32	4-13/16	21/64	1/4	2-29/32	4-19/32	9/32	11/64	4	5-5/8	4-9/64	4-19/32
	NC40	S	2-29/32	5	9/32	7/32	3-1/16	4-29/32	15/64	3/16	4	6-1/8	4-13/32	5-1/32
3-1/2	NC38	E	2-31/32	4-17/32	3/16	5/32	3-3/32	4-15/32	5/32	9/64	4	5-5/8	4-9/64	4-19/32
15.5		X	2-25/32	4-21/32	1/4	13/64	2-29/32	4-19/32	7/32	11/64	4	5-5/8	4-9/64	4-19/32
		G	2-21/32	4-23/32	9/32	7/32	2-13/16	4-5/8	15/64	3/16	4	5-5/8	4-9/64	4-19/32
	NC40	G	3-1/16	4-15/16	1/4	13/64	3-3/16	4-27/32	13/64	11/64	4	6-1/8	4-13/32	5-1/32
	S	2-13/16	5-3/32	21/64	1/4	2-31/32	4-31/32	17/64	7/32	4	6-1/8	4-13/32	5-1/32	

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All dimensions in inches

Nominal Size/Wt.	Conn.	Grade	Premium Class				Class 2				Minimum		Max.	Max.
			Max. ID	Min. OD	Min. Shoulder	Min. Seal	Max. ID	Min. OD	Min. Shoulder	Min. Seal	Tong Space PIN	BOX	Cbore Diameter	Bevel Diameter
4	NC40	E	3-1/4	4-13/16	3/16	11/64	3-11/32	4-3/4	5/32	9/64	4	6-1/8	4-13/32	5-1/32
14		X	3-1/16	4-15/16	1/4	13/64	3-1/16	4-27/32	13/64	11/64	4	6-1/8	4-13/32	5-1/32
		G	2-15/16	5	9/32	7/32	3-3/32	4-29/32	15/64	3/16	4	6-1/8	4-13/32	5-1/32
	NC46	E	3-15/16	5-9/32	9/64	1/8	4-1/32	5-7/32	7/64	7/64	4	6-1/8	4-31/32	5-47/64
		X	3-13/16	5-3/8	3/16	5/32	3-16/16	5-5/16	5/32	1/8	4-1/32	6-1/8	4-31/32	5-47/64
		G	3-3/4	5-7/16	7/32	11/64	3-27/32	5-11/32	11/64	5/32	4-1/16	6-1/8	4-31/32	5-47/64
		S	3-1/2	5-9/16	9/32	7/32	3-21/32	5-1/2	1/4	3/16	4-7/32	6-1/8	4-31/32	5-47/64
4	4 H90	E	3-21/32	4-15/16	9/64	1/8	3-23/32	4-7/8	7/64	7/64	4	5-7/8	4-5/8	5-9/32
14		X	3-1/2	5-1/32	3/16	5/32	3-19/32	4-31/32	5/32	9/64	4	5-7/8	4-5/8	5-9/32
		G	3-7/16	5-3/32	7/32	11/64	3-15/32	5-1/32	3/16	5/32	4	5-7/8	4-5/8	5-9/32
	4 SH	E	2-19/32	4-7/16	15/64	3/16	2-23/32	4-3/8	13/64	11/64	4	5-7/8	3-15/16	4-35/64
4	NC40	E	3-1/8	4-7/8	7/32	5/32	3-9/32	4-25/32	11/64	5/32	4	6-1/8	4-13/32	5-1/32
15.7		X	2-31/2	5	9/32	7/32	3-3/32	4-29/32	15/64	3/16	4	6-1/8	4-13/32	5-1/32
		NC46	E	3-29/32	5-5/16	5/32	9/64	3-31/32	5-1/4	1/8	1/8	4	6-1/8	4-13/32
		X	3-3/4	5-7/16	7/32	11/64	3-27/32	5-11/32	11/64	5/32	4-21/32	6-1/8	4-13/32	5-47/64
		G	3-21/32	5-15/32	15/64	3/16	3-25/32	5-13/32	13/64	11/64	4/18	6-1/8	4-13/32	5-47/64
		S	3-13/32	5-21/32	21/64	1/4	3-9/16	5-17/32	17/64	13/64	4-1/4	6-1/8	4-13/32	5-47/64
	4 H90	E	3-19/32	4-31/32	5/32	6/64	3-21/32	4-29/32	1/8	1/8	4	5-7/8	4-5/8	5-9/32
		X	3-7/16	5-3/32	7/32	11/64	3-17/32	5-1/32	3/16	5/32	4	5-7/8	4-5/8	5-9/32
		G	3-11/32	5-5/32	1/4	13/64	3-15/32	5-1/16	13/64	11/64	4	5-7/8	4-5/8	5-9/32
4-1/2	NC46	E	3-25/32	5-13/32	13/64	11/64	3-7/8	5-11/32	11/64	9/64	4-1/16	6-1/8	4-31/32	5-47/64
16.6		X	3-19/32	5-17/32	17/64	13/64	3-23/32	5-7/16	7/32	3/16	4-5/32	6-1/8	4-31/32	5-47/64
		G	3-1/2	5-19/32	19/64	15/64	3-5/8	5-1/2	1/4	13/64	4-3/16	6-1/8	4-31/32	5-47/64
		S	3-5/32	5-25/32	25/64	19/64	3-3/8	5-21/32	21/64	1/4	4-11/32	6-1/8	4-31/32	5-47/64
	4-1/2 H90	E	3-29/32	5-11/32	3/16	5/32	4	5-9/32	5/32	1/8	4	6-1/8	4-61/64	5-47/64
		X	3-3/4	5-15/32	1/4	3/16	3-27/32	5-3/8	13/64	11/64	4-1/8	6-1/8	4-61/64	5-47/64
		G	3-21/32	5-1/2	17/64	13/64	3-25/32	5-7/16	15/64	3/16	4-5/32	6-1/8	4-61/64	5-47/64
	4-1/2 FH	E	3-5/8	5-3/8	13/64	11/64	3-23/32	5-9/32	5/32	5/32	4-1/32	5-5/8	4-29/32	5-47/64
		X	3-13/32	5-1/2	17/64	7/32	3-9/19	5-13/32	7/32	3/16	4-1/8	5-5/8	4-29/32	5-47/64
		G	3-5/16	5-9/16	19/64	15/64	3-15/32	5-15/32	1/4	13/64	4-3/16	5-5/8	4-29/32	5-47/64

## Used Tool Joint Acceptance Criteria

All dimensions in inches

Nominal Size/Wt.	Conn.	Grade	Premium Class				Class 2				Minimum		Max.	Max.
			Max. ID	Min. OD	Min. Shoulder	Min. Seal	Max. ID	Min. OD	Min. Shoulder	Min. Seal	Tong Space PIN	BOX	Cbore Diameter	Bevel Diameter
4-1/2	NC50	E	4-5/16	5-23/32	5/32	9/64	4-13/32	5-11/16	9/64	1/8	4-5/16	6-1/8	5-3/8	6-5/64
16.6		X	4-5/32	5-27/32	7/32	3/16	4-1/4	5-25/32	3/16	5/32	4-3/8	6-1/8	5-3/8	6-5/64
		G	4-1/16	5-29/32	1/4	13/64	4-3/16	5-13/16	13/64	11/64	4-7/16	6-1/8	5-3/8	6-5/64
		S	3-13/16	6-1/16	31/64	1/4	3-31/32	5-31/32	9/32	7/32	4-9/16	6-1/8	5-3/8	6-5/64
4-1/2	NC46	E	3-5/8	5-1/2	1/4	13/64	3-3/4	5-13/32	13/64	11/64	4-1/8	6-1/8	4-31/32	5-47/64
20		X	3-13/32	5-21/32	21/64	1/4	3-9/16	5-9/16	9/32	7/32	4-1/4	6-1/8	4-31/32	5-47/64
		G	3-1/4	5-23/32	23/64	17/64	3-15/32	5-5/8	5/16	15/64	4-5/16	6-1/8	4-31/32	5-47/64
	NC50	E	4-3/16	5-13/16	13/64	11/64	4-5/16	5-3/4	11/64	9/64	4-3/8	6-1/8	5-3/8	6-5/64
		X	4	5-15/16	17/64	13/64	4-1/8	5-7/8	15/64	3/16	4-15/32	6-1/8	5-3/8	6-5/64
		G	3-29/32	6-1/32	5/16	15/64	4-1/32	5-29/32	1/4	13/64	4-17/32	6-1/8	5-3/8	6-5/64
		S	3-19/32	6-7/32	13/32	19/64	3-25/32	6-3/32	11/32	17/64	4-21/32	6-1/8	5-3/8	6-5/64
4-1/2	4-1/2 H90	E	3-25/32	5-13/32	7/32	11/64	3-7/8	5-11/32	3/16	5/32	4-3/32	6-1/8	4-61/64	5-47/64
20		X	3-9/16	5-15/32	19/64	7/32	3-23/32	5-15/32	1/4	3/16	4-3/16	6-1/8	4-61/64	5-47/64
	4-1/2 FH	E	3-1/2	5-3/8	1/4	13/64	3-5/8	5-3/8	13/64	11/64	4-3/32	5-5/8	4-29/32	5-47/64
		X	3-7/32	5-17/32	21/64	1/4	3-3/8	5-17/32	9/32	15/64	4-7/32	5-5/8	4-29/32	5-47/64
5	NC50	E	4-3/32	5-7/8	15/64	3/16	4-7/32	5-13/16	13/64	11/64	4-13/32	6-1/8	5-3/8	6-5/64
19.5		X	3-7/8	6-1/32	5/16	15/64	4	5-15/16	17/64	13/64	4-17/32	6-1/8	5-3/8	6-5/64
		G	3-25/32	6-3/32	11/32	17/64	3-15/16	6	19/64	15/64	4-19/32	6-1/8	5-3/8	6-5/64
		S	3-13/32	6-5/16	29/64	21/64	3-5/8	6-3/16	25/64	19/64	4-3/4	6-1/8	5-3/8	6-5/64
	5 H90	X	3-27/32	5-27/32	19/64	7/32	3-21/32	5-3/4	1/4	13/64	4-13/32	6-3/8	5-7/32	6-1/8
		G	3-3/4	5-29/32	21/64	1/4	3-7/8	5-13/16	9/32	7/32	4-7/16	6-3/8	5-7/32	6-1/8
	5-1/2 FH	S	4/1/4	6-3/4	3/8	9/32	4-13/32	6-5/8	5/16	15/64	5-1/16	6-5/8	5-61/64	6-47/64

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			Max. ID	Min. OD	Min. Shoulder	Min. Seal	Max. ID	Min. OD	Min. Shoulder	Min. Seal	Tong Space PIN	BOX	Cbore Diameter	Bevel Diameter
5	5-1/2 FH	E	4-5/8	6-1/2	1/4	3/16	4-3/4	6-13/32	13/64	11/64	4-7/8	6-5/8	5-61/64	6-47/64
25.6		X	4-3/8	6-21/32	21/64	1/4	4-17/32	6-9/16	9/32	13/64	5	6-5/8	5-61/64	6-47/64
		G	4-9/32	6-23/32	23/64	17/64	4-7/16	6-5/8	5/16	15/64	5-1/16	6-5/8	5-61/64	6-47/64
		S	3-29/32	6-15/16	15/32	11/32	4-1/8	6-13/16	13/32	19/64	5-7/32	6-5/8	5-61/64	6-47/64
		NC50	E	3-29/32	6-1/32	5/16	15/64	4-1/32	5-15/16	17/64	13/64	4-17/32	6-1/8	5-3/8
		X	3-9/16	6-7/32	13/32	19/64	3-25/32	6-3/32	11/32	17/64	4-21/32	6-1/8	5-3/8	6-5/64
		G	3-7/16	6-9/32	7/16	21/64	3-21/32	6-5/32	3/8	9/32	4-23/32	6-1/8	5-3/8	6-5/64
5-1/2	5-1/2 FH	E	4-5/8	6-15/32	15/64	3/16	4-3/4	6-13/32	13/64	11/64	4-7/8	6-5/8	5-61/64	6-47/64
21.9		X	4-11/32	6-5/8	5/16	1/4	4-17/32	6-17/32	17/64	13/64	4-31/32	6-5/8	5-61/64	6-47/64
		G	4-9/32	6-23/32	23/64	17/64	4-7/16	6-19/32	19/64	15/64	5-1/32	6-5/8	5-61/64	6-47/64
		S	3-15/16	6-15/16	15/32	21/64	4-5/32	6-13/16	13/32	19/64	5-7/32	6-5/8	5-61/64	7-7/64
	5-1/5 H90	X	3-15/16	6-3/16	21/64	17/64	4-5/32	6-3/32	9/32	7/32	4-21/32	6-3/8	5-1/2	6-5/8
5-1/2	5-1/2 FH	E	4-17/32	6-9/16	9/32	7/32	4-11/16	6-15/32	15/64	3/16	4-15/16	6-5/8	5-61/64	6-47/64
24.7		X	4-9/32	6-23/32	23/64	17/64	4-7/16	6-19/32	19/64	15/64	5-1/32	6-5/8	5-61/64	6-47/64
		G	4-5/32	6-25/32	25/64	19/64	4-11/32	6-11/16	11/32	1/4	5-3/32	6-5/8	5-61/64	6-47/64
		S	3-23/32	7-1/32	33/64	3/8	4	6-7/8	7/16	5/16	5-9/32	6-5/8	5-61/64	7-7/64
6-5/8	6-5/8	E	5-15/32	7-7/16	1/4	7/32	5-9/16	7-3/8	7/22	3/16	5-1/2	6-5/8	6-7/8	7-23/32
25.2		X	5-3/16	7-5/8	11/32	9/32	5-3/8	7-1/2	9/32	15/64	5-5/8	6-5/8	6-7/8	7-23/32
		G	5-3/32	7-11/16	3/8	19/64	5-9/32	7-19/32	21/64	17/64	5-11/16	6-5/8	6-7/8	7-23/32
		S	4-11/16	7-29/32	31/64	3/8	4-15/16	7-25/32	27/64	21/64	5-13/16	6-5/8	6-7/8	7-23/32
6-5/8	6-5/8 FH	E	5-3/8	7-1/2	9/32	15/64	5-1/2	7-13/32	15/64	13/64	5-17/32	6-5/8	6-7/8	7-23/32
27.7		X	5-3/32	7-11/16	3/8	19/64	5-9/32	7-9/16	5/16	17/64	5-21/32	6-5/8	6-7/8	7-23/32
		G	4-15/16	7-3/4	13/32	21/64	5-1/8	7-21/32	23/64	9/32	5-23/32	6-5/8	6-7/8	7-23/32
		S	4-17/32	8	17/32	13/32	4-25/32	7-27/64	229/64	23/64	5-7/8	6-5/8	6-7/8	7-23/32