



## API Tool Joints

### Specifications - Tool Joints

Tool joint designation	Size and style	Nom. Wt. lb/ft	Grade	Outside Dia. of Pin and Box D	Inside Dia. of Pin d	Bevel Dia. of Pin and Box shoulder D <sub>F</sub>	Total length Tool Joint Pin L <sub>P</sub>	Pin Tong Space L <sub>PB</sub>	Box Tong Space L <sub>B</sub>	Combined Length of pin And Box L	Dia. of Box at Elevator Upset D <sub>PE</sub>	Dia. of Box at Elevator Upset D <sub>TE</sub>
NC26 2 3/8IF	2 3/8EU	6.65	E	3 3/8	1 3/4	3 17/64	10.00	7	8	15	2 9/16	2 9/16
			X	3 3/8	1 3/4	3 17/64	10.00	7	8	15	2 9/16	2 9/16
			G	3 3/8	1 3/4	3 17/64	10.00	7	8	15	2 9/16	2 9/16
NC31 2 7/8IF	2 7/8EU	10.40	E	4 1/8	2 1/8	3 61/64	10 1/2	7	9	16	3 3/16	3 3/16
			X	4 1/8	2	3 61/64	10 1/2	7	9	16	3 3/16	3 3/16
			G	4 1/8	2	3 61/64	10 1/2	7	9	16	3 3/16	3 3/16
			S	4 3/8	1 5/8	3 61/64	10 1/2	7	9	16	3 3/16	3 3/16
NC38	3 1/2EU	9.50	E	4 3/4	2 11/16	4 37/64	11 1/2	8	10 1/2	18 1/2	3 7/8	3 7/8
NC38 3 1/2IF	3 1/2EU	13.3	E	4 3/4	2 11/16	4 37/64	12	8	10 1/2	18 1/2	3 7/8	3 7/8
			X	5	2 9/16	4 37/64	12	8	10 1/2	18 1/2	3 7/8	3 7/8
			G	5	2 7/16	4 37/64	12	8	10 1/2	18 1/2	3 7/8	3 7/8
			S	5	2 1/8	4 37/64	12	8	10 1/2	18 1/2	3 7/8	3 7/8
		15.5	E	5	2 9/16	4 37/64	12	8	10 1/2	18 1/2	3 7/8	3 7/8
			X	5	2 7/16	4 37/64	12	8	10 1/2	18 1/2	3 7/8	3 7/8
NC40 4FH	3 1/2EU	15.5	S	5 1/2	2 1/4	5 1/64	11 1/2	7	10	17	3 7/8	3 7/8
	4IU	14.0	E	5 1/4	2 13/16	5 1/64	11 1/2	7	10	17	4 3/16	4 3/16
			X	5 1/4	2 11/16	5 1/64	11 1/2	7	10	17	4 3/16	4 3/16
			G	5 1/2	2 7/16	5 1/64	11 1/2	7	10	17	4 3/16	4 3/16
S			5 1/2	2	5 1/64	11 1/2	7	10	17	4 3/16	4 3/16	
NC46 4IF	4 EU	14.00	E	6	3 1/4	5 23/32	11 1/2	7	10	17	4 1/2	4 1/2
			X	6	3 1/4	5 23/32	11 1/2	7	10	17	4 1/2	4 1/2
			G	6	3 1/4	5 23/32	11 1/2	7	10	17	4 1/2	4 1/2
			S	6	3	5 23/32	11 1/2	7	10	17	4 1/2	4 1/2
	4 1/2IU	13.75	E	6	3 3/8	5 23/32	11 1/2	7	10	17	4 11/16	4 11/16
			X	6 1/4	3 1/4	5 23/32	11 1/2	7	10	17	4 11/16	4 11/16
		16.6	X	6 1/4	3	5 23/32	11 1/2	7	10	17	4 11/16	4 11/16
			G	6 1/4	3	5 23/32	11 1/2	7	10	17	4 11/16	4 11/16
	4 1/2IEU	20.00	S	6 1/4	2 3/4	5 23/32	11 1/2	7	10	17	4 11/16	4 11/16
			E	6 1/4	3	5 23/32	11 1/2	7	10	17	4 11/16	4 11/16
			X	6 1/4	2 3/4	5 23/32	11 1/2	7	10	17	4 11/16	4 11/16
			G	6 1/4	2 1/2	5 23/32	11 1/2	7	10	17	4 11/16	4 11/16
S	6 1/4	2 1/4	5 23/32	11 1/2	7	10	17	4 11/16	4 11/16			

**Specifications - Tool Joints (CONTINUED)**

Tool joint designation	Size and style	Nom. Wt. lb/ft	Grade	Outside Dia. of Pin and Box	Inside Dia. of Pin	Bevel Dia. of Pin and Box shoulder	Total length Tool Joint Pin	Pin Tong Space	Box Tong Space	Combined Length of pin And Box	Dia. of Box at Elevator Upset	Dia. of Box at Elevator Upset
				D	d	D <sub>F</sub>	L <sub>p</sub>	L <sub>PS</sub>	L <sub>B</sub>	L	D <sub>PE</sub>	D <sub>TE</sub>
NC50 4 1/2IF	4 1/2EU	13.75 16.60	E	6 5/8	3 3/4	6 1/16	11 1/2	7	10	17	5	5
			E	6 5/8	3 3/4	6 1/16	11 1/2	7	10	17	5	5
			X	6 5/8	3 3/4	6 1/16	11 1/2	7	10	17	5	5
			G	6 5/8	3 3/4	6 1/16	11 1/2	7	10	17	5	5
		E	6 5/8	3 1/2	6 1/16	11 1/2	7	10	17	5	5	
		X	6 5/8	3 1/2	6 1/16	11 1/2	7	10	17	5	5	
		G	6 5/8	3 1/2	6 1/16	11 1/2	7	10	17	5	5	
		S	6 5/8	3	6 1/16	11 1/2	7	10	17	5	5	
5 IEU	5 IEU	19.5	E	6 5/8	3 3/4	6 1/16	11 1/2	7	10	17	5 1/8	5 1/8
			X	6 5/8	3 1/2	6 1/16	11 1/2	7	10	17	5 1/8	5 1/8
			G	6 5/8	3 1/4	6 1/16	11 1/2	7	10	17	5 1/8	5 1/8
		S	6 5/8	2 3/4	6 1/16	11 1/2	7	10	17	5 1/8	5 1/8	
		E	6 5/8	3 1/2	6 1/16	11 1/2	7	10	17	5 1/8	5 1/8	
		X	6 5/8	3	6 1/16	11 1/2	7	10	17	5 1/8	5 1/8	
5 1/2FH	5 IEU	19.50	E	7	3 3/4	6 23/32	13	8	10	18	5 1/8	5 1/8
			X	7	3 3/4	6 23/32	13	8	10	18	5 1/8	5 1/8
			G	7	3 3/4	6 23/32	13	8	10	18	5 1/8	5 1/8
			S	7 1/4	3 1/2	6 23/32	13	8	10	18	5 1/8	5 1/8
		E	7	3 1/2	6 23/32	13	8	10	18	5 1/8	5 1/8	
		X	7	3 1/2	6 23/32	13	8	10	18	5 1/8	5 1/8	
		G	7 1/4	3 1/2	6 23/32	13	8	10	18	5 1/8	5 1/8	
		S	7 1/4	3 1/4	6 23/32	13	8	10	18	5 1/8	5 1/8	
51/2IEU	51/2IEU	21.90	E	7	4	6 23/32	13	8	10	18	5 11/16	5 11/16
			X	7	3 3/4	6 23/32	13	8	10	18	5 11/16	5 11/16
			G	7 1/4	3 1/2	6 23/32	13	8	10	18	5 11/16	5 11/16
			S	7 1/4	3	6 23/32	13	8	10	18	5 11/16	5 11/16
		E	7	4	6 23/32	13	8	10	18	5 11/16	5 11/16	
		X	7	3 1/2	6 23/32	13	8	10	18	5 11/16	5 11/16	
		G	7 1/4	3 1/2	6 23/32	13	8	10	18	5 11/16	5 11/16	
		S	7 1/2	3	6 23/32	13	8	10	18	5 11/16	5 11/16	
6 5/8FH	6 5/8IEU	25.20	E	8	5	7 45/64	13	8	10	18	6 15/16	6 15/16
			X	8	5	7 45/64	13	8	11	19	6 15/16	6 15/16
			G	8 1/4	4 3/4	7 45/64	13	8	11	19	6 15/16	6 15/16
			S	8 1/4	4 1/4	7 45/64	13	8	11	19	6 15/16	6 15/16
		E	8	5	7 45/64	13	8	11	19	6 15/16	6 15/16	
		X	8 1/4	4 3/4	7 45/64	13	8	11	19	6 15/16	6 15/16	
		G	8 1/4	4 3/4	7 45/64	13	8	11	19	6 15/16	6 15/16	
		S	8 1/2	4 1/4	7 45/64	13	8	11	19	6 15/16	6 15/16	