



TRUSTED TO PERFORM

## Heat Exchanger Tube Expanders and Accessories



Tools for the maintenance and repair of...

**CONDENSERS**

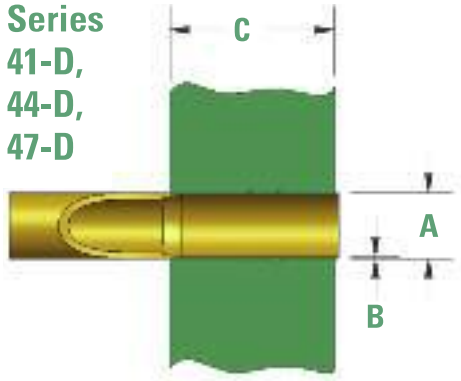
**CHILLERS**

**ABSORBERS**

**COOLERS**

**EVAPORATORS**

**Series  
41-D,  
44-D,  
47-D**



- A** = 1/2 (12.7mm) to 2½-Inch (63.5mm) Tube Outer Diameter
- B** = 9 (3.8mm) to 22 (.7mm) Gauge
- C** = 41-D - 1¼ (31.8mm) to 2¼-Inch (57.2mm) Tubesheet  
 44-D - 2 (50.8mm) to 6¾-Inch (171.5mm) Tubesheet  
 47-D - 2 (50.8mm) to 12¾-Inch (323.9mm) Tubesheet



How to Identify Wilson Rolls

The assembly comes complete with mandrel, rolls, cage, and collar with a 1/16-inch standard recess.



2½-Inch  
(57.2)  
Roll length  
Common  
Roll Set  
Part No

Inches	OD Tube (mm)	Range		41-D Expander			44-D Expander			47-D Expander			Common Roll Set Part No		
		GA	Inches	(mm)	Assembly	Mandrel	Cage	Assembly	Mandrel	Cage	Assembly	Mandrel		Cage	
1/2	(12.7)	18-19	.392-.447	(10.0-11.4)	39734	33400	39368	41414	33430	39371	41601	38567	39506	33381	
		20-22	.425-.481	(10.5-12.2)	40616	33401	33184	41415	33431	33456	41602	33931	33852		
5/8	(15.9)	12	.392-.447	(10.0-11.4)	39367	33400	39368	39370	33430	39371	39505	38567	39506		
		13	.425-.481	(10.5-12.2)	34052		33184	34152		33456	33802		33852		
		14	.444-.513	(11.3-13.0)	41035		33133	41394		33323	41398		33853		
		15-17	.464-.537	(11.8-13.6)	38389	33401	38621	38397	33431	38624	38627	33931	38628		33377
		18-19	.497-.571	(12.6-14.5)	38395		39805	38393		39554	39507		39508		
		20-22	.542-.600	(13.8-15.2)	40591	41531	33136	39597	41548	33326	39610	41550	33856		33384
3/4	(19.1)	10	.444-.513	(11.3-13.0)	34053		33133	34153		33323	33803		33853		
		11	.482-.550	(12.2-14.0)	34054	33401	33134	34154	33431	33324	33804	33931	33854		
		12	.508-.583	(12.9-14.8)	34055		33135	34155		33325	33805		33855		
		13-14	.542-.625	(13.8-15.9)	34056	33402	33136	34156	33432	33326	33806	33932	33856		
		15-17	.589-.681	(15.0-17.3)	34058	33403	33138	34158	33433	33328	33808	33933	33858		
		18-22	.635-.722	(16.1-18.3)	34059	33404	33139	34159	33434	33329	33809	33934	33859		
7/8	(22.2)	11	.589-.681	(15.0-17.3)	34058	33403	33138	34158	33433	33328	33808	33933	33858		
		12-13	.635-.722	(16.1-18.3)	34060	33404	33139	34160	33434	33329	33810	33934	33859		
		14-15	.686-.781	(17.4-19.8)	34061	33405	33141	34161	33435	33331	33811	33935	33861		
		16-17	.717-.815	(18.2-20.7)	34063	33407	33143	34163	33437	33333	33813	33937	33863		
		18-22	.758-.855	(19.3-21.7)	34065	33406	33145	34165	33436	33335	33815	33936	33865		
		9	.686-.781	(17.4-19.8)	34061	33405	33141	34161	33435	33331	33811	33935	33861		
1	(25.4)	10	.701-.800	(17.8-20.3)	34062	33406	33142	34162	33436	33332	33812	33936	33862		
		11	.717-.815	(18.2-20.7)	34063	33407	33143	34163	33437	33333	33813	33937	33863		
		12-13	.758-.855	(19.3-21.7)	34065	33406	33145	34165	33436	33335	33815	33936	33865		
		14-16	.794-.919	(20.2-23.3)	34068	33408	33148	34168	33438	33338	33818	33938	33868		
		17-22	.856-.980	(21.7-24.9)	40592	33411	33152	41400	33441	33342	41404	33941	33872		
		9-10	.794-.919	(20.2-23.3)	41870	33408	33148	42327	33438	33338	-	-	-		
1½	(28.6)	11-14	.856-.999	(21.7-25.4)	34072	33411	33152	34172	33441	33342	-	-	-		
		15-22	.950-1.106	(24.1-28.1)	41015	41012	33157	41406	41013	33347	-	-	-		
1¼	(31.8)	9-11	.920-1.076	(23.4-27.3)	34075	33412	33155	34175	33442	33345	33825	33942	33875		
		12-13	.950-1.106	(24.1-28.1)	34077	33414	33157	34177	33444	33347	33827	33944	33877		
1¾	(34.9)	14-22	1.055-1.235	(26.8-31.4)	40593		33161	41408		33351	41865	33945	33881		
		10-13	1.055-1.250	(26.8-31.8)	34081		33161	34181		33354	-	-	-		
1½	(38.1)	14-20	1.185-1.350	(30.1-34.3)	40594	33415		41410	33445		-	-	-		
		10-13	1.185-1.375	(30.1-34.9)	34084		33164	34184		33354	33834	33945	33884		
1¾	(44.5)	14-18	1.310-1.460	(33.3-37.1)	34087	33416	33167	34187	33446	33357	33837	33946	33887		
		8-13	1.372-1.620	(34.8-41.1)	34089		33169	34310		33359	-	-	-		
2	(50.8)	14-18	1.495-1.710	(38.0-43.4)	40595		33171	41412		33449	33425	-	-		
		7-8	1.495-1.744	(38.0-44.3)	34091	33419		34312			-	-	-		
2¼	(57.2)	9-11	1.630-1.876	(41.4-47.7)	34093		33173	34314		33322	-	-	-		
		12-18	1.753-1.972	(44.5-50.1)	34095		33175	34316		33183	-	-	-		
2½	(63.5)	10-18	1.926-2.213	(48.9-56.2)	34096	33422	33176	34317	33452	33427	-	-	-		
		10-18	2.176-2.462	(55.3-62.5)	34097	33423	33177	34318	33453	33428	-	-	-		