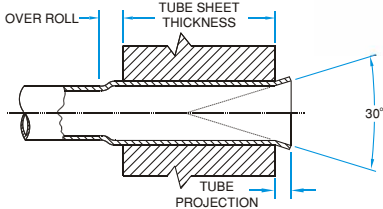




P-2000 SERIES WITH COLLAR



Features :

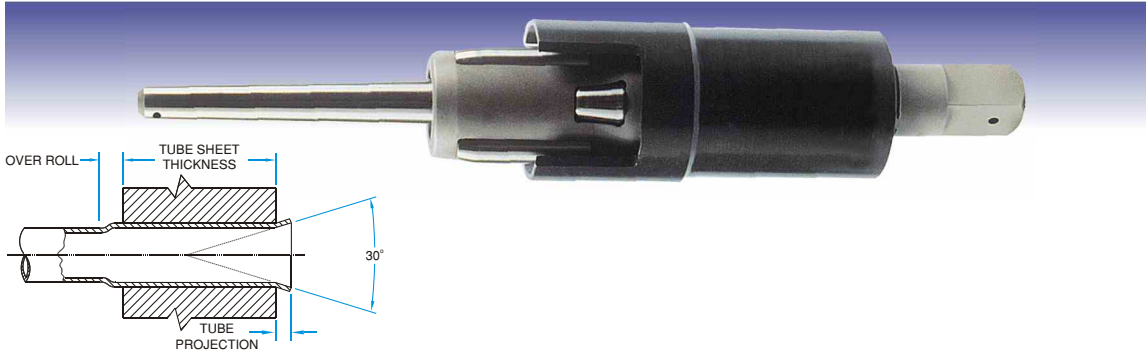
- Use : Spring loaded drift thrust assembly used to position the expander accurately on the boiler tube in relation to the drum for consistent expansions.

Tube O.D. inch	Tube Thickness		Tube O.D. inch	Tube Thickness		Minimum I.D. Tool Enters		Maximum Expansion Of Tool		Tube Expander Model Number Tube Sheet Thickness Range				
	bwg	inch		bwg	inch	mm	inch	mm	inch	1/2" To 3/4"	7/8" To 1.1/4"	1.3/8" To 1.3/4"	1.7/8" To 2.1/4"	2.3/8" To 2.3/4"
1	13 & 14	.095 & .083	1.1/8	9	.148	18.7	.736	23.4	.921	P2079/3	P2079/5	-	-	-
1	15 & 16	.072 & .065	1.1/8	10	.134	19.7	.775	24.4	.961	P2083/3	P2083/5	-	-	-
1.1/4	7	.180	1.1/8	11 & 12	.120 & .109	20.7	.814	25.5	1.004	P2087/3	P2087/5	-	-	-
1.1/4	8 & 9	.165 & .148	1.1/8	13 & 14	.095 & .083	21.7	.854	26.5	1.043	P2091/3	P2091/5	-	-	-
1.1/4	10	.134	1.1/8	15 & 16	.072 & .065	22.7	.893	28.1	1.105	P2095/3	P2095/5	-	-	-
1.1/4	11 - 13	.120 - .095	1.3/8	8	.165	23.7	.933	29.0	1.142	P2099/3	P2099/5	-	-	-
1.1/4	14 & 15	.083 & .072	1.3/8	9	.148	24.7	.972	30.0	1.181	P2103/3	P2103/5	-	-	-
1.1/4	16	.065	1.3/8	10	.134	26.8	1.055	33.0	1.299	P2111/3	P2111/5	-	-	-
1.1/2	10 - 12	.134 - .109	1.3/8	15 & 16	.072 & .065	29.7	1.169	35.0	1.378	P2118/3	P2118/5	-	-	-
1.1/2	13 - 16	.095 - .065	1.3/4	6 & 7	.203 & .180	31.7	1.248	38.0	1.496	P2126/3	P2126/5	-	-	-
2	3	.259	1.3/4	8 & 9	.165 & .148	33.7	1.326	40.0	1.575	P2134/3	P2134/5	P2134/7	P2134/9	P2134/11
2	4 & 5	.238 & .220	1.3/4	10 - 12	.134 - .109	35.7	1.405	42.5	1.673	P2142/3	P2142/5	P2142/7	P2142/9	P2142/11
2	6	.203	1.3/4	13 - 16	.096 - .065	37.7	1.484	44.5	1.752	P2150/3	P2150/5	P2150/7	P2150/9	P2150/11
2	7 - 9	.180 - .148	2.1/4	3	.259	39.7	1.562	47.0	1.850	P2158/3	P2158/5	P2158/7	P2158/9	P2158/11
2	10 - 12	.134 - .109	2.1/4	4	.238	41.7	1.641	49.0	1.929	P2166/3	P2166/5	P2166/7	P2166/9	P2166/11
2	13 - 15	.095 - .072	2.1/4	5 & 6	.220 & .203	43.7	1.720	51.5	2.027	P2174/3	P2174/5	P2174/7	P2174/9	P2174/11
2	16	.065	2.1/4	7 - 9	.180 - .148	45.7	1.799	54.0	2.126	P2181/3	P2181/5	P2181/7	P2181/9	P2181/11
2.1/2	4 & 5	.238 & .220	2.1/4	10 - 13	.134 - .095	47.7	1.877	56.0	2.205	P2189/3	P2189/5	P2189/7	P2189/9	P2189/11
2.1/2	6	.203	2.1/4	14 - 16	.083 - .065	49.7	1.956	60.0	2.362	P2197/3	P2197/5	P2197/7	P2197/9	P2197/11
2.1/2	7 - 10	.180 - .134	2.3/4	2 & 3	.284 & .259	51.7	2.035	62.0	2.441	P2205/3	P2205/5	P2205/7	P2205/9	P2205/11
2.1/2	11 - 13	.120 - .095	2.3/4	4 & 5	.238 & .220	53.7	2.114	64.0	2.520	P2213/3	P2213/5	P2213/7	P2213/9	P2213/11
2.1/2	14 - 16	.083 - .065	2.3/4	6 - 8	.203 - .165	55.7	2.192	66.0	2.598	P2221/3	P2221/5	P2221/7	P2221/9	P2221/11
3	2	.284	2.3/4	7 - 9	.180 - .148	57.7	2.271	68.0	2.677	P2229/3	P2229/5	P2229/7	P2229/9	P2229/11
3	3 & 4	.259 & .238	2.3/4	10 - 12	.134 - .109	59.7	2.350	70.0	2.756	P2237/3	P2237/5	P2237/7	P2237/9	P2237/11
3	5 & 6	.220 & .203	2.3/4	13 - 16	.095 - .065	61.7	2.429	72.0	2.835	P2244/3	P2244/5	P2244/7	P2244/9	P2244/11
3	7 & 8	.180 & .165				63.7	2.507	74.0	2.913	P2252/3	P2252/5	P2252/7	P2252/9	P2252/11
3	10 - 12	.134 - .109	3.1/4	3	.259	65.7	2.586	76.0	2.992	P2260/3	P2260/5	P2260/7	P2260/9	P2260/11
3	13 & 14	.095 & .083	3.1/4	4	.238	67.7	2.665	78.0	3.071	P2268/3	P2268/5	P2268/7	P2268/9	P2268/11
3	15 & 16	.072 & .065	3.1/4	5 & 6	.220 & .203	69.7	2.744	80.0	3.150	P2276/3	P2276/5	P2276/7	P2276/9	P2276/11
3.1/2	2 & 3	.284 & .259	3.1/4	7 - 11	.180 - .120	71.7	2.822	82.0	3.228	P2284/3	P2284/5	P2284/7	P2284/9	P2284/11
3.1/2	4 - 6	.259 - .203	3.1/4	12 - 14	.109 - .480	73.7	2.901	84.0	3.307	P2292/3	P2292/5	P2292/7	P2292/9	P2292/11
3.1/2	7 - 9	.180 - .148	3.1/4	15 & 16	.072 & .065	75.7	2.980	86.0	3.386	P2300/3	P2300/5	P2300/7	P2300/9	P2300/11
3.1/2	10 - 12	.134 - .109	3.3/4	2 & 3	.284 & .259	77.7	3.059	88.0	3.465	P2308/3	P2308/5	P2308/7	P2308/9	P2308/11
3.1/2	13 - 15	.095 - .072	3.3/4	4 - 6	.259 - .203	79.7	3.137	92.0	3.622	P2315/3	P2315/5	P2315/7	P2315/9	P2315/11
3.1/2	16	.065	3.3/4	7 & 8	.180 & .165	81.7	3.216	94.0	3.701	P2323/3	P2323/5	P2323/7	P2323/9	P2323/11
4	3	.259	3.3/4	9 - 12	.148 - .109	83.7	3.295	96.0	3.780	P2331/3	P2331/5	P2331/7	P2331/9	P2331/11
4	4 - 6	.259 - .203	3.3/4	13 - 16	.095 - .065	85.7	3.374	98.0	3.858	P2339/3	P2339/5	P2339/7	P2339/9	P2339/11
4	7 & 8	.180 & .165	4.1/4	2	.284	87.7	3.452	100.0	3.937	P2347/3	P2347/5	P2347/7	P2347/9	P2347/11
4	9 - 12	.148 - .109	4.1/4	3	.259	89.7	3.531	102.0	4.016	P2355/3	P2355/5	P2355/7	P2355/9	P2355/11
4	13 - 15	.095 - .072	4.1/4	4	.238	91.7	3.610	104.0	4.094	P2363/3	P2363/5	P2363/7	P2363/9	P2363/11
4	16	.065	4.1/4	7 & 8	.180 & .165	93.7	3.688	106.0	4.173	P2370/3	P2370/5	P2370/7	P2370/9	P2370/11
4.1/2	3	.259	4.1/4	9 - 11	.148 - .120	95.7	3.767	108.0	4.252	P2378/3	P2378/5	P2378/7	P2378/9	P2378/11
4.1/2	4 - 6	.259 - .203	4.1/4	12 - 16	.109 - .065	97.7	3.846	110.0	4.331	P2386/3	P2386/5	P2386/7	P2386/9	P2386/11
4.1/2	7 - 14	.180 - .083				99.7	3.925	111.0	4.407	P2394/3	P2394/5	P2394/7	P2394/9	P2394/11



P-2000 SERIES WITH COLLAR

1" - 4 1/2"
O.D.



Spare Rollers Set Model Number Tube Sheet Thickness Range					Mandrel Square Drive Size inch	Spare Mandrel Model Number	
1/2" To 3/4"	7/8" To 1.1/4"	1.3/8" To 1.3/4"	1.7/8" To 2.1/4"	2.3/8" To 2.3/4"		Drum Type	Short Series Mandrels
079-3-FS	079-5-FS	-	-	-	1/2	83-M	-
083-3-FS	083-5-FS	-	-	-	1/2	83-M	-
087-3-FS	087-5-FS	-	-	-	1/2	91-M	-
095-3-FS	095-5-FS	-	-	-	1/2	91-M	-
095-3-FS	095-5-FS	-	-	-	1/2	99-M	-
099-3-FS	099-5-FS	-	-	-	1/2	99-M	-
103-3-FS	103-5-FS	-	-	-	1/2	99-M	-
111-3-FS	111-5-FS	-	-	-	3/4	118-M	MS-1,2,3
118-3-FS	118-5-FS	-	-	-	3/4	118-M	MS-1,2,3
126-3-FS	126-5-FS	-	-	-	3/4	126-M	MS-2,3,4
126-3-FS	126-5-FS	126-7-FS	126-9-FS	126-11-FS	3/4	134-M	MS-3,4,5
142-3-FS	142-5-FS	142-7-FS	142-9-FS	142-11-FS	3/4	150-M	MS-3,4,5,6
150-3-FS	150-5-FS	150-7-FS	150-9-FS	150-11-FS	3/4	150-M	MS-3,4,5,6
158-3-FS	158-5-FS	158-7-FS	158-9-FS	158-11-FS	3/4	174-M	MS-4,5,6,7,8
166-3-FS	166-5-FS	166-7-FS	166-9-FS	166-11-FS	3/4	174-M	MS-4,5,6,7,8
174-3-FS	174-5-FS	174-7-FS	174-9-FS	174-11-FS	3/4	174-M	MS-4,5,6,7,8
181-3-FS	181-5-FS	181-7-FS	181-9-FS	181-11-FS	1	197-M	MS-7,8,9,10,11
174-3-FS	174-5-FS	174-7-FS	174-9-FS	174-11-FS	1	197-M	MS-7,8,9,10,11
205-3-FS	205-5-FS	205-7-FS	205-9-FS	205-11-FS	1	197-M	MS-6,7,8,9,10,11
205-3-FS	205-5-FS	205-7-FS	205-9-FS	205-11-FS	1	221-M	MS-7,8,9,10,11,12
213-3-FS	213-5-FS	213-7-FS	213-9-FS	213-11-FS	1	221-M	MS-7,8,9,10,11,12
221-3-FS	221-5-FS	221-7-FS	221-9-FS	221-11-FS	1	221-M	MS-7,8,9,10,11,12
221-3-FS	221-5-FS	221-7-FS	221-9-FS	221-11-FS	1	244-M	MS-8,9,10,11,12,13
237-3-FS	237-5-FS	237-7-FS	237-9-FS	237-11-FS	1	244-M	MS-8,9,10,11,12,13
252-3-FS	252-5-FS	252-7-FS	252-9-FS	252-11-FS	1	244-M	MS-8,9,10,11,12,13
252-3-FS	252-5-FS	252-7-FS	252-9-FS	252-11-FS	1	268-M	MS-10,11,12,13,14
260-3-FS	260-5-FS	260-7-FS	260-9-FS	260-11-FS	1	268-M	MS-10,11,12,13,14
268-3-FS	268-5-FS	268-7-FS	268-9-FS	268-11-FS	1	268-M	MS-10,11,12,13,14
276-3-FS	276-5-FS	276-7-FS	276-9-FS	276-11-FS	1	300-M	MS-12,13,14,15,16
284-3-FS	284-5-FS	284-7-FS	284-9-FS	284-11-FS	1	300-M	MS-12,13,14,15,16
292-3-FS	292-5-FS	292-7-FS	292-9-FS	292-11-FS	1	300-M	MS-12,13,14,15,16
315-3-FS	315-5-FS	315-7-FS	315-9-FS	315-11-FS	1	300-M	MS-12,13,14,15,16
284-3-FS	284-5-FS	284-7-FS	284-9-FS	284-11-FS	1	347-M	MS-15,16,17,18,19
315-3-FS	315-5-FS	315-7-FS	315-9-FS	315-11-FS	1	347-M	MS-14,15,16,17,18,19
323-3-FS	323-5-FS	323-7-FS	323-9-FS	323-11-FS	1	347-M	MS-14,15,16,17,18,19
331-3-FS	331-5-FS	331-7-FS	331-9-FS	331-11-FS	1	347-M	MS-14,15,16,17,18,19
355-3-FS	355-5-FS	355-7-FS	355-9-FS	355-11-FS	1	347-M	MS-14,15,16,17,18,19
363-3-FS	363-5-FS	363-7-FS	363-9-FS	363-11-FS	1	347-M	MS-14,15,16,17,18,19
355-3-FS	355-5-FS	355-7-FS	355-9-FS	355-11-FS	1	394-M	MS-17,18,19,20,21
363-3-FS	363-5-FS	363-7-FS	363-9-FS	363-11-FS	1	394-M	MS-17,18,19,20,21
370-3-FS	370-5-FS	370-7-FS	370-9-FS	370-11-FS	1	394-M	MS-17,18,19,20,21
378-3-FS	378-5-FS	378-7-FS	378-9-FS	378-11-FS	1	394-M	MS-17,18,19,20,21
386-3-FS	386-5-FS	386-7-FS	386-9-FS	386-11-FS	1	394-M	MS-17,18,19,20,21
394-3-FS	394-5-FS	394-7-FS	394-9-FS	394-11-FS	1	394-M	MS-17,18,19,20,21

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