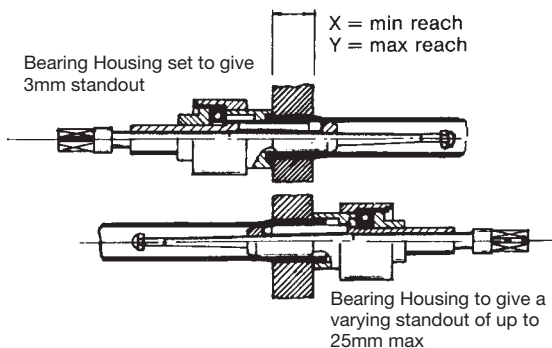


# 'C' Type RC 800 Series

## Self-feeding with Adjustable Bearing Housing

This range of tools is fitted with a reversible bearing housing assembly. This type of housing allows you to set a 3mm standoff on the first tubesheet and a varying standoff of up to 25mm on the second tubesheet. This deeper recess allows the expanded joint to flow unrestricted thus preventing tubes from bending and excessive stresses building up in tube bundle. Excessive standoff can be trimmed back using a tube end facer (see page 39 for details).



EXPANDER with 1 1/2" (38.10mm) long Rollers

EXPANDER with 2 1/4" (57.15mm) long Rollers

X = 1/2" (12.70mm)  
Y = 1 1/2" (38.10mm)

X = 1 1/4" (31.75 mm)  
Y = 2 1/4" (57.15mm)

Effective parallel rolling length 1 1/4" (31.75mm)

Effective parallel rolling length 2" (50.80mm)

**Tube Expanders fitted with 5 rollers are available for expanding thin wall and titanium tubes. Please speak to our sales team for more information.**

TABLE RELATING

Tube O.D.	Tube Thickness		Min. I.D. Tube Tool Enters		Maximum Expansion of Tool		Size Sq. on Mandrel	EXPANDER with 1 1/2" (38.10mm) long Rollers			Expander with 2 1/4" (57.15mm) long Rollers				
								Complete Tool No.	Mandrel No.	Set of Rollers No.	Complete Tool No.	Mandrel No.	Set of Rollers No.		
1/2	12.70	14	2.03	.333	8.45	.375	9.52	1/4	6.35	RC800S	CM800S	CR0			
1/2	12.70	15	1.83	.344	8.74	.394	10.00	1/4	6.35	RC800	CM0	CR0			
1/2	12.70	16	1.63	.360	9.14	.410	10.41	1/4	6.35	RC801	CM1	CR1			
1/2	12.70	17	1.42	.374	9.53	.424	10.77	1/4	6.35	RC803	CM1	CR2			
1/2	12.70	18	1.22	.392	9.96	.447	11.35	3/8	9.53	RC805	CM2	CR3			
1/2	12.70	20	0.88	.410	10.41	.465	11.81	3/8	9.53	RC805S	CM2	CR4			
5/8	15.88	12	2.64	.392	9.96	.447	11.35	3/8	9.53	RC805	CM2	CR3			
5/8	15.88	13	2.34	.425	10.80	.480	12.19	3/8	9.53	RC807	CM3	CR4			
5/8	15.88	14	2.03	.449	11.41	.509	12.93	3/8	9.53	RC809	CM4	CR4	RC810	CM4	CR4A
5/8	15.88	15	1.83	.471	11.96	.536	13.61	3/8	9.53	RC811	CM5	CR5	RC812	CM5	CR5A
5/8	15.88	16	1.63	.485	12.33	.550	13.97	3/8	9.53	RC813	CM5	CR6	RC814	CM5	CR6A
5/8	15.88	17	1.42	.499	12.68	.564	14.33	3/8	9.53	RC815	CM6	CR6	RC816	CM6	CR6A
5/8	15.88	18	1.22	.517	13.13	.572	14.53	3/8	9.53	RC817	CM5	CR7	RC818	CM5	CR7A
3/4	19.05	10	3.25	.471	11.96	.536	13.61	3/8	9.53	RC811	CM5	CR5	RC812	CM5	CR5A
3/4	19.05	11	2.95	.499	12.68	.564	14.33	3/8	9.53	RC815	CM6	CR6	RC816	CM6	CR6A
3/4	19.05	12	2.64	.522	13.26	.582	14.78	3/8	9.53	RC819	CM6	CR7	RC820	CM6	CR7A
3/4	19.05	13	2.34	.550	13.97	.615	15.62	3/8	9.53	RC821	CM8	CR8	RC822	CM8	CR8A
3/4	19.05	14	2.03	.574	14.58	.639	16.23	3/8	9.53	RC823	CM8	CR9	RC824	CM8	CR9A
3/4	19.05	15	1.83	.596	15.14	.661	16.79	3/8	9.53	RC825	CM8	CR10	RC826	CM8	CR10A
3/4	19.05	16	1.63	.605	15.37	.685	17.40	3/8	9.53	RC827	CM9	CR10	RC828	CM9	CR10A
3/4	19.05	17	1.42	.619	15.72	.699	17.75	3/8	9.53	RC829	CM9	CR11	RC830	CM9	CR11A
3/4	19.05	18	1.22	.619	15.72	.699	17.75	3/8	9.53	RC829	CM9	CR11	RC830	CM9	CR11A
7/8	22.23	10	3.25	.596	15.14	.661	16.79	3/8	9.53	RC825	CM8	CR10	RC826	CM8	CR10A
7/8	22.23	11	2.95	.619	15.72	.699	17.75	3/8	9.53	RC829	CM9	CR11	RC830	CM9	CR11A
7/8	22.23	12	2.64	.642	16.31	.722	18.34	3/8	9.53	RC831	CM9	CR12	RC832	CM9	CR12A
7/8	22.23	13	2.34	.670	17.02	.750	19.05	3/8	9.53	RC833	CM10	CR13	RC834	CM10	CR13A

NOTE – Mandrels supplied with square shank unless otherwise specially ordered