

P2 Series

The P2 expander is designed for deep-reach tube expansions with its three rolls and adjustable reach. It offers parallel rolling with long, effective double-radius rolls, which are self-retained in the cage. This expander is excellent for touch-up expansion, hard rolling, re-rolling leaky tubes, and new constructions in water tube boilers, fire tube boilers, economizers, and air heaters. Expanders with five rolls, longer rolls, or extended reach in 2-inch increments are available upon request.

KRAIS K70 right-angle rolling motors are recommended for use with these expanders.



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MAX REACH FOR P2 EXPANDERS

COLLAR	60 MM ROLLS		80 MM ROLLS	
	[MM]	[INCH]	[MM]	[INCH]
Standard	112	4,40"	132	5,20"
Short	132	5,20"	152	6"

Tube OD		Tube Gauge	Tool No.	Expansion range				Rolls			Mandrel			Short Mandrell Set (3 pcs.)			Square
				[mm]		[inch]		No.	Lenght		No.	Length		No.	Length		
[inch]	[mm]	[bwg]		min	max	min	max			[mm]		[inch]			[mm]	[inch]	
1-1/4"	31,70	16	P2-280	28,0	33,0	1,10	1,30	998	60	2,362	T-290	385,00	15,157	PTK28	175	6,890	1/2"
			P2-280/80	28,0	33,0	1,10	1,30	998/80	80	3,150	T-290	385,00	15,157	PTK28	175	6,890	1/2"
1-1/2"	38,10	7-11	P2-290	29,0	34,0	1,14	1,34	1048	60	2,362	T-290	385,00	15,157	PTK29	175	6,890	1/2"
			P2-290/80	29,0	34,0	1,14	1,34	1048/80	80	3,150	T-290	385,00	15,157	PTK29	175	6,890	1/2"
1-1/2"	38,10	10-12	P2-300	30,0	35,0	1,18	1,38	1089	60	2,362	T-290	385,00	15,157	PTK30	175	6,890	1/2"
			P2-300/80	30,0	35,0	1,18	1,38	1089/80	80	3,150	T-290	385,00	15,157	PTK30	175	6,890	1/2"
1-1/2"	38,10	13-16	P2-320	32,0	37,0	1,26	1,46	1143	60	2,362	T-320	385,00	15,157	PTK32	175	6,890	1/2"
			P2-320/80	32,0	37,0	1,26	1,46	1143/80	80	3,150	T-320	385,00	15,157	PTK32	175	6,890	1/2"
1-1/2"	38,10	13-20	P2-330	33,0	38,0	1,30	1,50	RR1143	60	2,362	T-320	385,00	15,157	PTK33	181	7,126	3/4"
			P2-330/80	33,0	38,0	1,30	1,50	RR1143/80	80	3,150	T-320	385,00	15,157	PTK33	181	7,126	3/4"
1-3/4"	44,40	8-9	P2-350	35,0	41,0	1,38	1,61	RR21A	60	2,362	T-370	410,00	16,142	PTK37	188	7,402	3/4"
			P2-350/80	35,0	41,0	1,38	1,61	RR21A/80	80	3,150	T-370	410,00	16,142	PTK37	188	7,402	3/4"
1-3/4"	44,40	10-16	P2-370	37,0	43,0	1,46	1,69	RR22A	60	2,362	T-370	410,00	16,142	PTK37	188	7,402	3/4"
			P2-370/80	37,0	43,0	1,46	1,69	RR22A/80	80	3,150	T-370	410,00	16,142	PTK37	188	7,402	3/4"
1-3/4"	44,45	12-18	P2-390	39,0	45,0	1,54	1,77	RR22A	60	2,362	T-370	410,00	16,142	PTK37	188	7,402	3/4"
			P2-390/80	39,0	45,0	1,54	1,77	RR22A/80	80	3,150	T-370	410,00	16,142	PTK37	188	7,402	3/4"
2"	50,80	7-10	P2-400	40,0	46,0	1,57	1,81	RR40A	60	2,362	T-420	410,00	16,142	PTK42	205	8,071	3/4"
			P2-400/80	40,0	46,0	1,57	1,81	RR40A/80	80	3,150	T-420	410,00	16,142	PTK42	205	8,071	3/4"
2"	50,80	11-12	P2-420	42,0	48,0	1,65	1,89	RR23A	60	2,362	T-420	410,00	16,142	PTK42	205	8,071	3/4"
			P2-420/80	42,0	48,0	1,65	1,89	RR23A/80	80	3,150	T-420	410,00	16,142	PTK42	205	8,071	3/4"
2"	50,80	13-15	P2-440	44,0	50,0	1,73	1,97	RR23A	60	2,362	T-440	410,00	16,142	PTK44	205	8,071	3/4"
			P2-440/80	44,0	50,0	1,73	1,97	RR23A/80	80	3,150	T-440	410,00	16,142	PTK44	205	8,071	3/4"
2"	50,80	16	P2-470	47,0	54,0	1,85	2,13	RR24A	60	2,362	T-470	435,00	17,126	PTK47	218	8,583	3/4"
			P2-470/80	47,0	54,0	1,85	2,13	RR24A/80	80	3,150	T-470	435,00	17,126	PTK47	218	8,583	3/4"
2-1/4"	57,10	10-12	P2-490	49,0	56,0	1,93	2,20	RR24A	60	2,362	T-490	435,00	17,126	PTK49	218	8,583	3/4"
			P2-490/80	49,0	56,0	1,93	2,20	RR24A/80	80	3,150	T-490	435,00	17,126	PTK49	218	8,583	3/4"
2-1/4"	57,10	14-16	P2-520	52,0	59,0	2,05	2,32	RR25A	60	2,362	T-490	435,00	17,126	PTK49	218	8,583	3/4"
			P2-520/80	52,0	59,0	2,05	2,32	RR25A/80	80	3,150	T-490	435,00	17,126	PTK49	218	8,583	3/4"
2-1/2"	63,50	11-12	P2-540	54,0	62,0	2,13	2,44	RR26A	60	2,362	T-540	470,00	18,504	PTK54	230	9,055	3/4"
			P2-540/80	54,0	62,0	2,13	2,44	RR26A/80	80	3,150	T-540	470,00	18,504	PTK54	230	9,055	3/4"
2-1/2"	63,50	13-16	P2-570	57,0	66,0	2,24	2,60	RR27A	60	2,362	T-570	500,00	19,685	PTK57	235	9,252	3/4"
			P2-570/80	57,0	66,0	2,24	2,60	RR27A/80	80	3,150	T-570	500,00	19,685	PTK57	235	9,252	3/4"

Tube OD		Tube Gauge	Tool No.	Expansion range				Rolls			Mandrel			Short Mandrell Set (3 pcs.)			Square
				[mm]		[inch]		No.	Lenght		No.	Length		No.	Length		
[inch]	[mm]	[bwg]		min	max	min	max		[mm]	[inch]		[mm]	[inch]		[mm]	[inch]	[mm]
2-3/4"	69,80	7-11	P2-600	60,0	69,0	2,36	2,72	RR28A	60	2,362	T-570	500,00	19,685	PTK57	235	9,252	3/4"
			P2-600/80	60,0	69,0	2,36	2,72	RR28A/80	80	3,150	T-570	500,00	19,685	PTK57	235	9,252	3/4"
3"	76,20	7-11	P2-650	65,0	74,0	2,56	2,91	RR29A	60	2,362	T-650	500,00	19,685	PTK65	235	9,252	3/4"
			P2-650/80	65,0	74,0	2,56	2,91	RR29A/80	80	3,150	T-650	500,00	19,685	PTK65	235	9,252	3/4"
3"	76,20	13-15	P2-680	68,0	77,5	2,68	3,05	RR30A	60	2,362	T-720	530,00	20,866	PTK72	255	10,039	1"
			P2-680/80	68,0	77,5	2,68	3,05	RR30A/80	80	3,150	T-720	530,00	20,866	PTK72	255	10,039	1"
3-1/4"	82,55	7-12	P2-720	72,0	81,5	2,83	3,21	RR31A	60	2,362	T-720	530,00	20,866	PTK72	255	10,039	1"
			P2-720/80	72,0	81,5	2,83	3,21	RR31A/80	80	3,150	T-720	530,00	20,866	PTK72	255	10,039	1"
3-1/4"	82,55	13-16	P2-770	77,0	87,0	3,03	3,43	RR32A	60	2,362	T-770	530,00	20,866	PTK77	255	10,039	1"
			P2-770/80	77,0	87,0	3,03	3,43	RR32A/80	80	3,150	T-770	530,00	20,866	PTK77	255	10,039	1"
3-1/2"	88,90	10-16	P2-820	82,0	92,0	3,23	3,62	RR33A	60	2,362	T-820	530,00	20,866	PTK82	255	10,039	1"
			P2-820/80	82,0	92,0	3,23	3,62	RR33A/80	80	3,150	T-820	530,00	20,866	PTK82	255	10,039	1"
3-3/4"	95,25	7-12	P2-860	86,0	96,0	3,39	3,78	RR34A	60	2,362	T-860	530,00	20,866	PTK86	255	10,039	1"
			P2-860/80	86,0	96,0	3,39	3,78	RR34A/80	80	3,150	T-860	530,00	20,866	PTK86	255	10,039	1"
4"	101,60	8-12	P2-900	90,0	100,0	3,54	3,94	RR34A	60	2,362	T-900	530,00	20,866	PTK90	275	10,827	1"
			P2-900/80	90,0	100,0	3,54	3,94	RR34A/80	80	3,150	T-900	530,00	20,866	PTK90	275	10,827	1"
4"	101,60	13-16	P2-960	96,0	106,0	3,78	4,17	RR35A	60	2,362	T-960	530,00	20,866	PTK96	275	10,827	1"
			P2-960/80	96,0	106,0	3,78	4,17	RR35A/80	80	3,150	T-960	530,00	20,866	PTK96	275	10,827	1"