

Rolling motors

K20 Series

K20 pneumatic rolling motor is designed for the fast and accurate torque controlled rolling of tubes from 1/4" – 1/2" OD (6.3 - 12.7 mm OD). This uniquely designed tool with automatic reverse, expands tubes to a preset torque, at which point it automatically trips over to its reverse rotation, backing itself out of the tube ready for the next expansion. The process is fast and effortless making it the ideal tool for production rolling applications. In line version is available on request.



	TUBE OD		FREE SPEED	MIN TORQUE		MAX TORQUE		WEIGHT		LENGTH		AIR USE		SQUARE	CHUCKS	
	[INCH]	[MM]	[RPM]	[IN.LBS]	[NM]	[IN.LBS]	[NM]	[LBS]	[KG]	[INCH]	[MM]	[CFM]	[L/MIN]		INC.	OPT.
K20-550	1/2"	12,7	550	0,166	0,226	6,25	8,47	2,64	1,2	8,62	219	17	480	3/8"	1/4"	3/8"
K20-1800	3/8"	9,5	1800	0,166	0,226	2,25	3,05	2,42	1,1	8,07	205	17	480	3/8"	1/4"	3/8"
K20-2500	1/4"	6,3	2500	0,166	0,226	0,66	0,9	2,29	1,1	8,07	205	17	480	3/8"	1/4"	3/8"

Push&Pull K50 Series

K50 series pneumatic motors has been specifically engineered to ensure uniform tube to tube sheet expansions, thereby preventing the under and over rolling of tubes. This pneumatic tool features an aluminum body, weighing in at only 10.5 lbs (4.76 kg) with an ergonomically correct push/pull throttle. Automatically stops tube expansion at defined settings.



	TUBE OD		FREE SPEED	MIN TORQUE		MAX TORQUE		WEIGHT		LENGTH		AIR USE		SQUARE	CHUCKS	
	[INCH]	[MM]	[RPM]	[IN.LBS]	[NM]	[IN.LBS]	[NM]	[LBS]	[KG]	[INCH]	[MM]	[CFM]	[L/MIN]		STD.	OPT.
K50-1250	3/4"	19	1250	14,00	1,58	108	12,20	10,5	4,76	12 1/4"	311	60	1700	3/8"	3/8"	1/2"
K50-600	1"	25,4	485	22,00	2,49	193	21,81	10,5	4,76	12 1/4"	311	60	1700	3/8"	3/8"	1/2"
K50-400	1 1/4"	31,7	400	44,15	5,00	318	36,00	10,5	4,76	12 1/4"	311	60	1700	3/8"	3/8"	1/2"

AK50 Automatic Rolling Motor

AK50 tube rolling motor with automatic reverse. The machine automatically:

- ▶ start up when the expander is located in the tube;
- ▶ reverse the revolution to the left once determine the set up torque;
- ▶ stop when expander is withdrawn from the tube
- ▶ thanks to delay timer, machine automatically runs in forward direction after defined period from end of previous expansion ("NS" option)
- ▶ automatic tube expander lubrication ("L" option)

All the other features are the same as for standard K50 rolling motors.



	TUBE OD		FREE SPEED	MIN TORQUE		MAX TORQUE		WEIGHT		LENGTH		AIR USE		SQUARE	CHUCKS	
	[INCH]	[MM]	[RPM]	[IN.LBS]	[NM]	[IN.LBS]	[NM]	[LBS]	[KG]	[INCH]	[MM]	[CFM]	[L/MIN]		STD.	OPT.
AUTO K50-1250	3/4"	19	1250	14,00	1,58	108	12,20	10,5	4,76	12 1/4"	311	60	1700	3/8"	3/8"	1/2"
AUTO K50-600	1"	25,4	485	22,00	2,49	193	21,81	10,5	4,76	12 1/4"	311	60	1700	3/8"	3/8"	1/2"
AUTO K50-400	1 1/4"	31,7	400	44,15	5,00	318	36,00	10,5	4,76	12 1/4"	311	60	1700	3/8"	3/8"	1/2"

Rolling motors

K60 Series

K60 rolling motors control expansion by the accurate measurement of torque. They automatically stop expanding according to a predetermined setting. Torque control prevents over- and under-expansion of tubes, assures uniformly tightened tube joints, and provides maximum holding strength for individual tubes. All K60 motors include torque sensing cams designed and manufactured specifically for tube expanding applications.

- ▶ Strong, lightweight aluminum housings for easier handling and less operator fatigue
- ▶ Rugged drive combines precision control and measured torque output
- ▶ Simple dial-a-torque adjustment collar for easy set up
- ▶ Cushioned shut-off reduces torque reaction
- ▶ Quick change chucks to improve productivity



	TUBE OD		FREE SPEED	MIN TORQUE		MAX TORQUE		WEIGHT		LENGTH		AIR USE		SQUARE	CHUCKS	
	[INCH]	[MM]	[RPM]	[FT.LBS]	[NM]	[FT.LBS]	[NM]	[LBS]	[KG]	[INCH]	[MM]	[CFM]	[L/MIN]		STD.	OPT.
K60-900	1-1/2"	38,1	756	4,7	6,4	30,7	41,6	27	12,25	18	457	1980	70	1/2"	3/8, 1/2	3/4, 1
K60-400	2"	50,8	400	10,0	12,8	61,0	82,5	27	12,25	18	457	1980	70	3/4"	3/4, 1	3/8, 1/2
K60-250	2-1/2"	63,5	220	25,0	33,9	100,0	135,5	27	12,25	18	457	1980	70	3/4"	3/4, 1	3/8, 1/2

AK60NS Automatic Rolling Motor

AK60NS is a tube rolling motor with the fully automatic reverse system. The machine automatically:

- ▶ startup rotating in the forward direction;
- ▶ reverse the revolution to the left once determine the setup torque;
- ▶ thanks to adjustable delay timer, the machine automatically runs in forwarding direction after a defined period from the end of a previous expansion;
- ▶ automatic tube expander lubrication "L" is available optionally.

All the other features are the same as for standard K60 rolling motors.

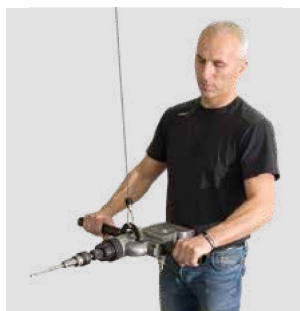


	TUBE OD		FREE SPEED	MIN TORQUE		MAX TORQUE		WEIGHT		LENGTH		AIR USE		SQUARE	CHUCKS	
	[INCH]	[MM]	[RPM]	[FT.LBS]	[NM]	[FT.LBS]	[NM]	[LBS]	[KG]	[INCH]	[MM]	[CFM]	[L/MIN]		STD.	OPT.
AK60NS-1200	1"	25,4	1200	3,8	5,0	19,0	25,0	27	12,25	18	457	1980	70	1/2"	3/8, 1/2	3/4, 1
AK60NS-900	1-1/2"	38,1	756	4,7	6,4	30,7	41,6	27	12,25	18	457	1980	70	1/2"	3/8, 1/2	3/4, 1

AUTO K60 ON SITE



Auto K60 fastened on the Flexpander.



K60 fastened on the rope balancer.

Righ Angle rolling motors

K70 Right Angle Series

K70 Torque Controlled Rolling Motors have been designed for the Boiler Tube Industry. Tools have a unique head design which features a fully enclosed bearing design for long and trouble free life.

With industry input, our tools have been specifically engineered to precisely and consistently expand tubes in Steam / Mud Drums, Fire Tube and related Boilers and Equipment.

All models are equipped with a roll throttle as standard, a lever throttle is optional.



K70 OPTIONAL ACCESSORIES



Right angle gear drive



Parallel gear drive



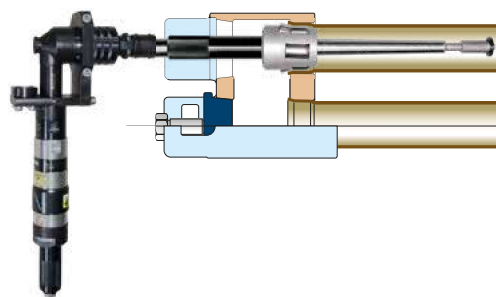
Single universal joint

	TUBE OD		FREE SPEED	MIN TORQUE		MAX TORQUE		WEIGHT		LENGTH		HEIGHT WITHOUT SQUARE DRIVE		SIDE TO CENTER		SQUARE	CHUCK	
	[MM]	[INCH]	[RPM]	[NM]	[FT. LBS]	[NM]	[FT. LBS]	[KG]	[LBS]	[MM]	[INCH]	[MM]	[INCH]	[MM]	[INCH]		INC.	OPT.
K72-RT-90	101,6	4"	90	200	150	410	305	6,7	14,75	550	21,7	70	2,75	37	1,5	3/4"	1", 3/4"	-
K72-LT-90	101,6	4"	90	200	150	410	305	6,7	14,75	550	21,7	70	2,75	37	1,5	3/4"	1", 3/4"	-
K73-RT-190	63,5	2,5"	190	95	70	200	140	5,8	13,00	530	20,1	65	2,60	28	1,1	3/4"	3/4"	1/2"
K73-LT-190	63,5	2,5"	190	95	70	200	140	5,8	13,00	530	20,1	65	2,60	28	1,1	3/4"	3/4"	1/2"
K73-RT-280	57,1	2,25"	280	60	44	140	104	5,8	13,00	530	20,1	65	2,60	28	1,1	3/4"	3/4"	1/2"
K73-LT-280	57,1	2,25"	280	60	44	140	104	5,8	13,00	530	20,1	65	2,60	28	1,1	3/4"	3/4"	1/2"
K73-RT-375	50,8	2"	375	40	30	110	82	5,8	13,00	530	20,1	65	2,60	28	1,1	3/4"	3/4"	1/2"
K73-LT-375	50,8	2"	375	40	30	110	82	5,8	13,00	530	20,1	65	2,60	28	1,1	3/4"	3/4"	1/2"
K75-RT-30	152,0	6"	30	120	90	1230	922	7,5	16,50	620	24,0	70	2,75	37	1,5	1"	1"	1-1/4"
K75-LT-30	152,0	6"	30	120	90	1230	922	7,5	16,50	620	24,0	70	2,75	37	1,5	1"	1"	1-1/4"
K75-RT-60	127,0	5"	60	60	45	640	480	6,5	14,3	620	24,0	70	2,75	37	1,5	1"	1"	1-1/4"
K75-LT-60	127,0	5"	60	60	45	640	480	6,5	14,3	620	24,0	70	2,75	37	1,5	1"	1"	1-1/4"

LT - lever throttle; RT - roll throttle

K77 Right Angle Series

Torque controlled pneumatic rolling motor suitable for expanding tube up to 8" and refinery fittings.



	TUBE OD		FREE SPEED	MIN TORQUE		MAX TORQUE		WEIGHT		LENGTH		HEIGHT WITHOUT SQUARE DRIVE		SIDE TO CENTER		SQUARE	CHUCK	
	[MM]	[INCH]	[RPM]	[NM]	[FT. LBS]	[NM]	[FT. LBS]	[KG]	[LBS]	[MM]	[INCH]	[MM]	[INCH]	[MM]	[INCH]		INC.	OPT.
K77-RT-25	203,2	8"	25	710	532	1455	1075	10	14,75	552	21,73	190	4,826	39	1,535	1"	1", 1-1/4"	1-1/2"
K77-LT-25	203,2	8"	25	710	532	1455	1075	10	14,75	552	21,73	190	4,826	39	1,535	1"	1", 1-1/4"	1-1/2"
K77-RT-8	203,2	8"	8	315	232	4300	3172	15	14,75	552	21,73	190	4,826	39	1,535	1"	1", 1-1/4"	1-1/2"
K77-LT-8	203,2	8"	8	315	232	4300	3172	15	14,75	552	21,73	190	4,826	39	1,535	1"	1", 1-1/4"	1-1/2"

LT - lever throttle; RT - roll throttle