



Quality Parts Handlers

CANPACER
LINEAR PICK & PLACE

AIRPACER
AIR PICK & PLACE

ROBOTRAN
ROTARY-LINEAR PICK & PLACE

maxi • TRAN
WALKING BEAM DRIVE

Automatic Tool Company
3750 Lansing Rd. Suite C
Perry, Mi 48872
Tel: (888)-949-0066
Email: sales@atcpnp.com

www.atcpnp.com



Warranty

Seller warrants these products to be free from defects in materials and workmanship for a period of 1 year from the date of manufacture.

If the products are proved to be defective to the sellers reasonable satisfaction, they will be repaired or replaced at the Sellers option.

This warranty does not apply to a) products not manufactured by the Seller. b) products which have been altered. c) products miss applied or damaged by negligence, or accident.

Warranties do not cover reimbursement for the transport, removal or replacement of affected items, or any other incurred expenses.

Engineering Changes

The products and information listed in this catalog are part of a continuous improvement program. Specifications, materials and engineering data are subject to change. Design critical information, if required, can be provided by contacting our Product Engineering Department, or visiting the website for the most current design data.

Quality

ATC is committed to provide a quality process and control system to ensure the customer consistent delivery and performance of materials to contract standards.

Altered Standard and Specials

The heritage of Automatic Tool Company is to provide industry solutions to special needs. This is how the line of ATC units has evolved.

To that end we welcome your requests for altered standards and specials as these are what drives our business model and the expansion of the product line.

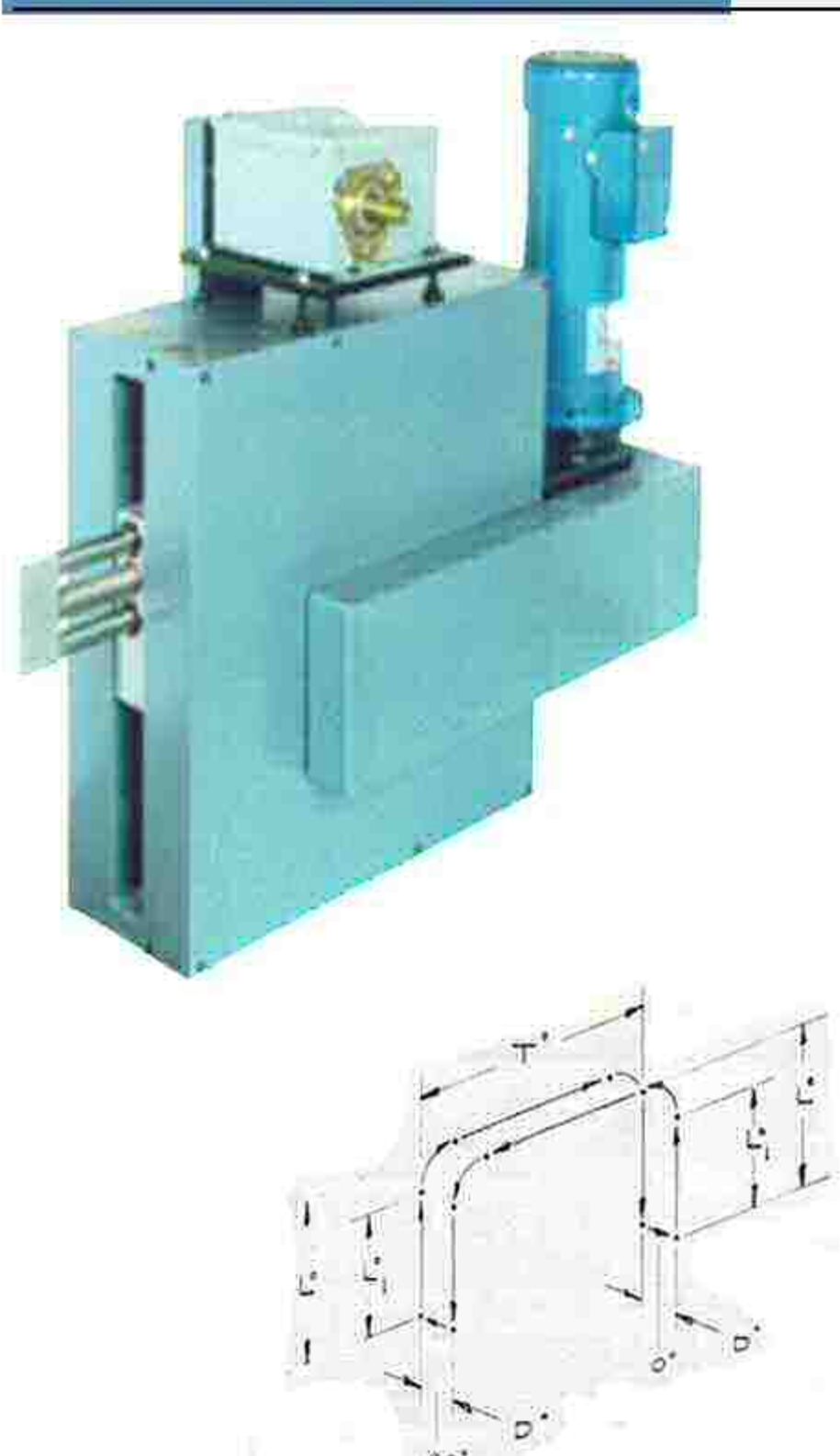
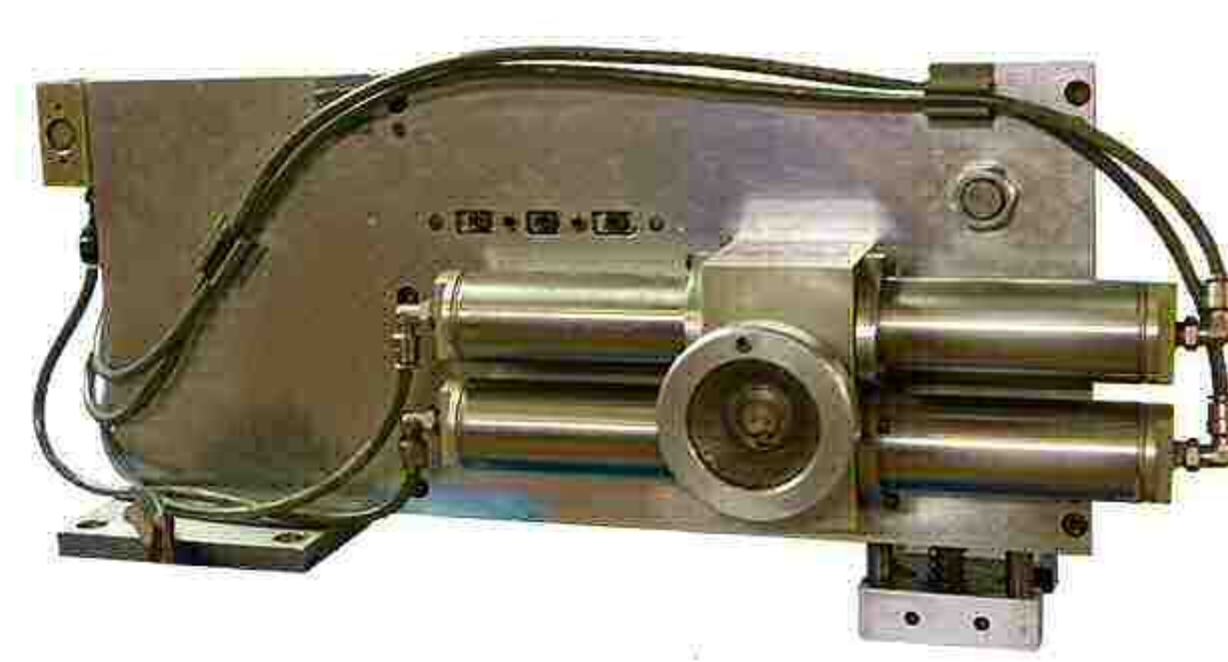
Detailed requests may be made to our engineering department for evaluation and quotation.

Rev. 1.0 10/16

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Standard Product Overview

(Custom Motions Available)

MOTION REQUIRED	LIFT	TRANSFER	Max. CPM	MODEL			
LIFT & TRANSFER	In.	Inches	CPM	CAMPACER	AIR-PACER		
	1	2	200	C-200	(Pneumatic Drive)	 Note: CPM for all units dependant on load and CG. Values are shown for reference only	
	2	3	120	C-300			
	1.5	4	30		A-400		
	2.5	4.5	60	C-450			
	2	6	20		A-600		
	3.5	6	60	C-600			
	3	8	15		A-800		
	3.5	9	45	C-900			
	4	12	20	C-1200			
	6	16	12	C-1600			
	6	24	12	C-2400			
	4	16	12	CP-1600			
	4	18	12	CP-1800			
	6	24	12	CP-2400			
LIFT- ROTATE- LOWER	In.	Degrees	CPM	MODEL			
				ROBO-TRAN			
	1.5	45,90,120,180	45	R150	Heavy Duty Replaces Ferguson Model 2503		
	2	45,90,120,180	45	R200			
	3	45,90,120,180	30	R-300			
	3	45,90,120,180	20	R-300HD			
	5	45,90,120,180	12	R-500			
	7	45,90,120,180	12	R-700			
WALKING BEAM TRANSFER	LIFT	PITCH	Max. CPM	MASTER	Est. No. Sta. Per Tool Rail	LIFT SLAVE	Use one slave for every "X" additional stations
 Transfer & Locate/Lock	In .	Inches	CPM	MAXI-Tran			
	1	2.5	45	MT-250	12		8
	2	4	45	MT-400	9	MTL-4200	8
	3	6	30	MT-600	8	MTL-6300	8
	1	6	30	MT-6100L	8		8
	3	9	20	MT-900	6	MTL-9300	6
	4	12	15	MT-1200	6		6
	4	18	12	MT-1800	6	MTL-1840	6
	6	24	10	MT-2400	4		4
	6	36	10	MT-3600	4		4
	6	48	10	MT-4800	4	MTL-4860	4

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CANPACER™

FEATURES:

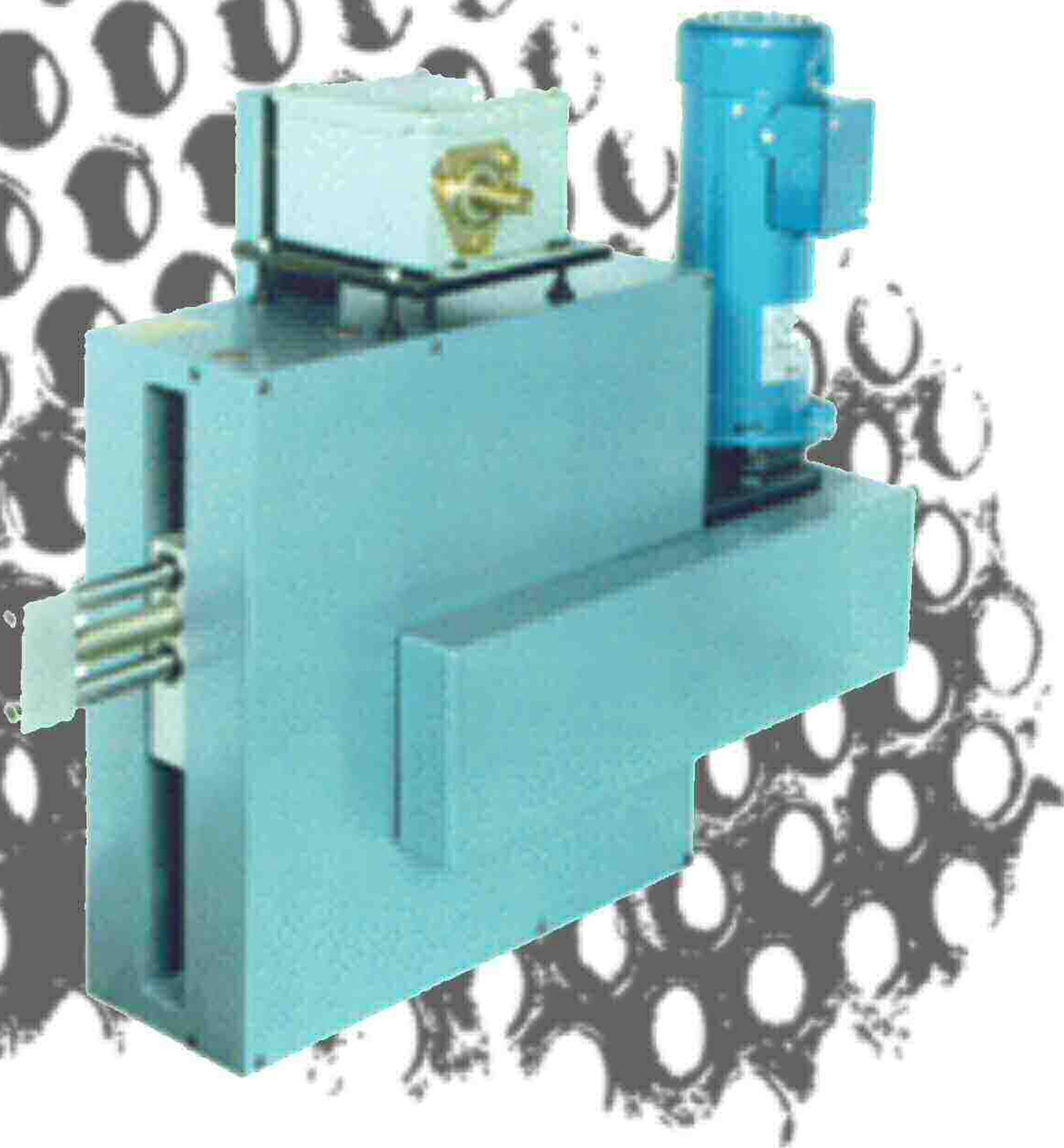
- Two axis overload protection
- Smooth precision cam motions
- Thin-line design with tool platen centrally located
- Heavy-duty low friction slide
- Right angle input for line shaft driving
- All bearings sealed for life

ACCESSORIES:

- DC gearmotor drive package
- Cam lubrication fittings
- Lift and transfer yokes for positive movements

OPTIONS:

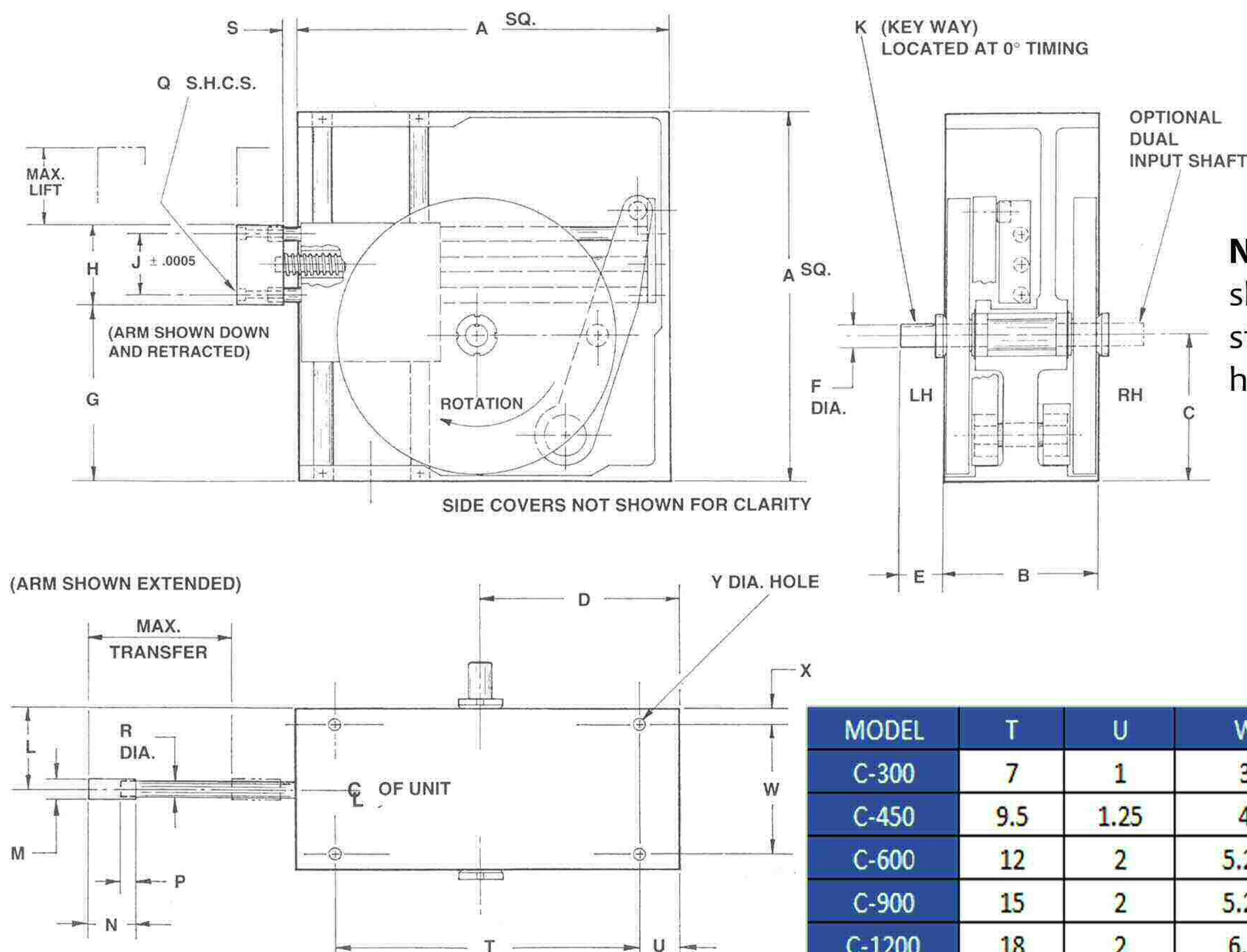
- Grippers and controls
- Special cam movements
- Dual input for shaft to shaft coupling



CAMPACER™

DIMENSIONAL DATA

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
C-300	9	4	3.75	4.5	1.25	0.625	4.25	2	1.5	0.188	2	0.5	1.25	0.38	10-32	0.375	0.5
C-450	12	5	4.75	6.25	1.5	0.75	5.75	2.63	2	0.188	2.5	0.63	1.5	0.5	1/4-20	0.5	0.5
C-600	16	6.75	6.5	8.25	1.75	1.125	7.25	3.5	2.5	0.25	3.38	1	1.75	0.75	1/4-20	0.75	0.5
C-900	19	6.75	8	10.75	1.75	1.125	10	3.5	2.5	0.25	3.38	1	1.75	0.75	1/4-20	0.75	0.5
C-1200	22	8.5	9	12.75	2	1.375	10.75	4.75	3.5	0.313	4.25	1.25	2	1	5/16-18	1	0.75



MODEL	T	U	W	X	Y
C-300	7	1	3	0.5	0.344
C-450	9.5	1.25	4	0.5	0.406
C-600	12	2	5.25	0.75	0.531
C-900	15	2	5.25	0.75	0.531
C-1200	18	2	6.5	1	0.531

NOTE: The Campacer transfer arm is located central for elimination of RH or LH assemblies. All campacer slides are engineered for over-hung loads beyond the housing width. However, where extreme slide loads are required, an external slide attachment is available for critical parts handling.

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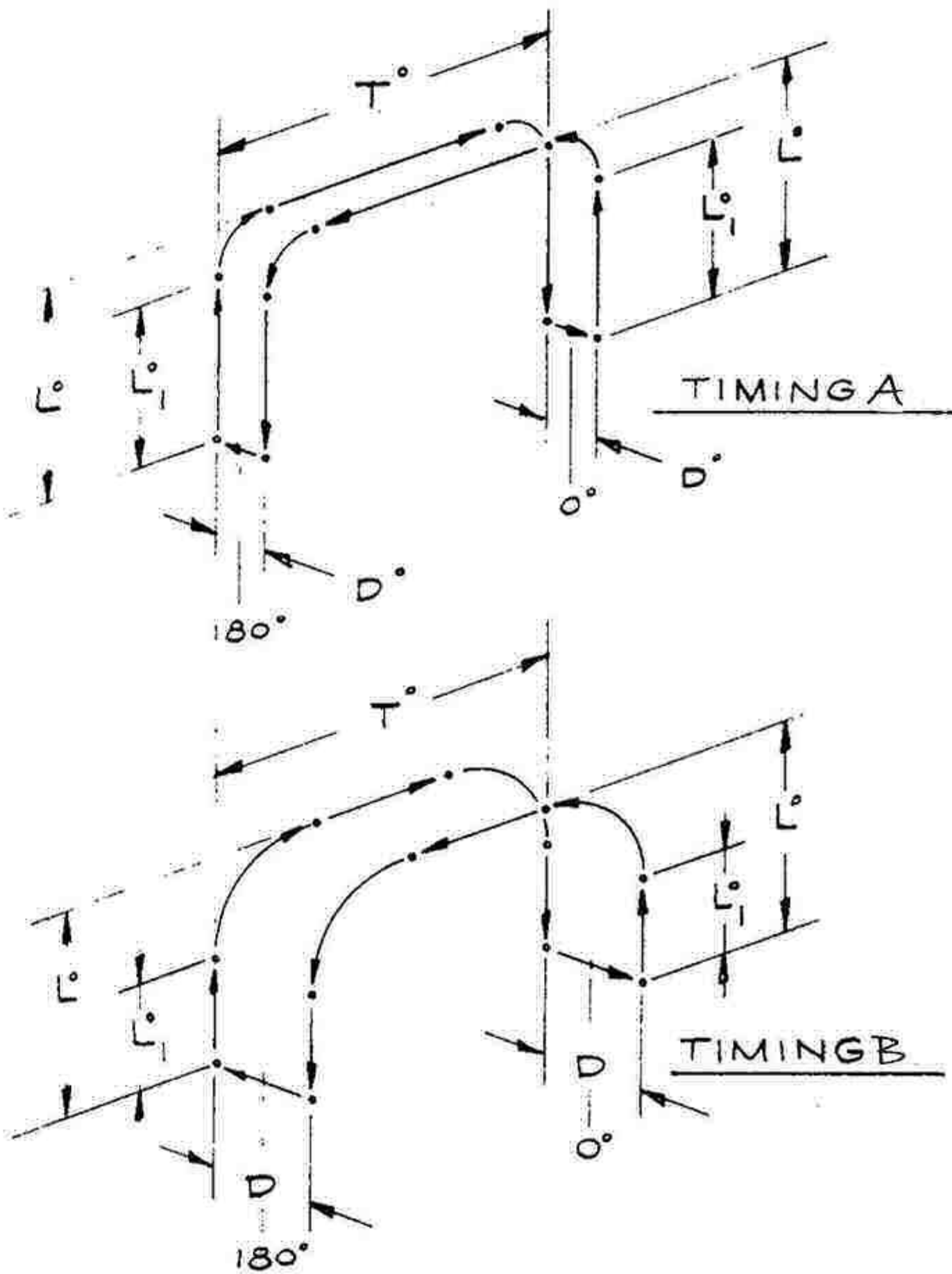
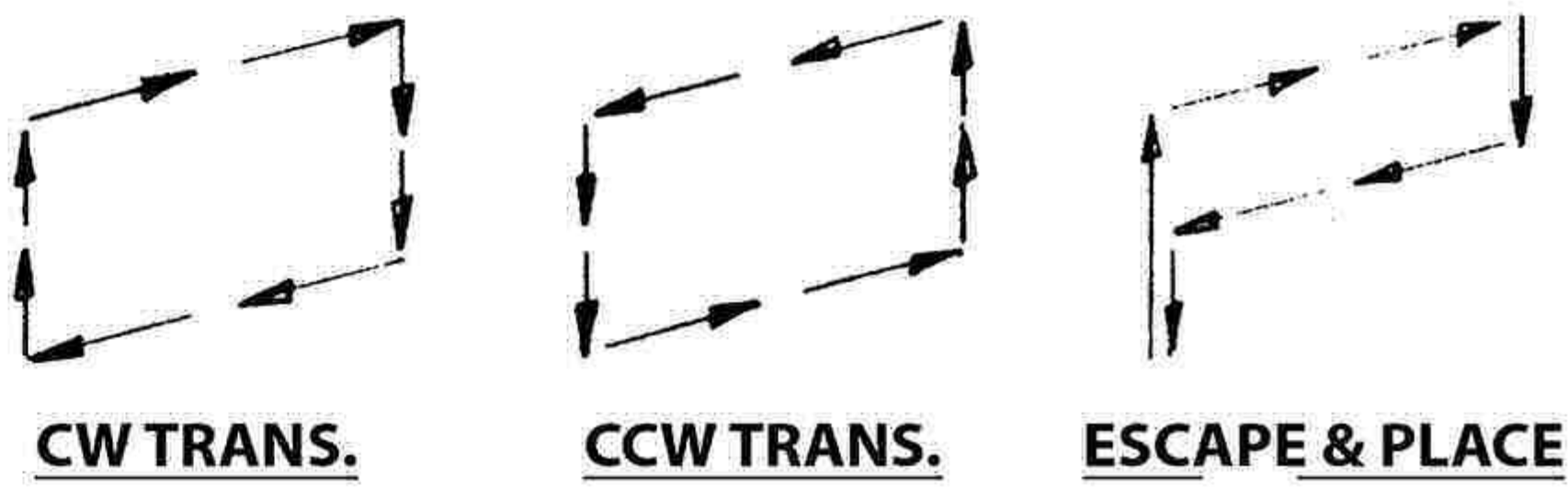


CAMPACER™

SPEED & CAPACITY

Specifications Full Stroke Pick & Place	C-300 (2x3)	C-450 (2 1/2 x 4 1/2)	C-600 (3 1/2 x 6)	C-900 (3 1/2 x 6)	C-1200 (4 x 12)
Max. Load @ 30 RPM (Tooling + Part)	4 lbs.	10 lbs.	13 lbs.	13 lbs.	16 lbs.
Max. No Load Camshaft RPM	180	140	85	60	50
Max. Load Capacity	4 lbs.	12 lbs.	20 lbs.	20 lbs.	50 lbs.
No Load Camshaft TQ. (In. lbs.)	86	144	247	281	543
Shipping Wt. (With Drive)	65	98	195	244	355

NOTE: Higher speeds and loads are available.
Consult with Automatic Tool Company for
application assistance.



CAM TIMINGS (Degrees) STANDARD STROKES (Inches)

MODEL	L	T	L1	D	L	L1	T
C-200	60	100	30	20	1	1/2	2
C-300	60	100	30	20	2	1	3
C-450	60	100	30	20	2 1/2	1 1/4	4.5
C-600	60	100	30	20	3 1/2	1 3/4	5
C-900	50	110	30	10	3 1/2	1 3/4	9
C-1200	50	120	25	10	4 3/4	2 3/8	12
C-1800	50	120	25	10	4 3/4	2 3/8	18

NOTE: The standard strokes listed
can be combined with any of the
timings listed in the charts above.
All timings are based on a
modified sine acceleration.

HOW TO ORDER THE CAMPACER (Example)

MODEL	TIMING	LIFT	TRANSFER	SHAFT LOC.	R.P.M
C-300	B*	1	3	L.H	100

* “B” denotes standard timing and “A” denotes
special timing

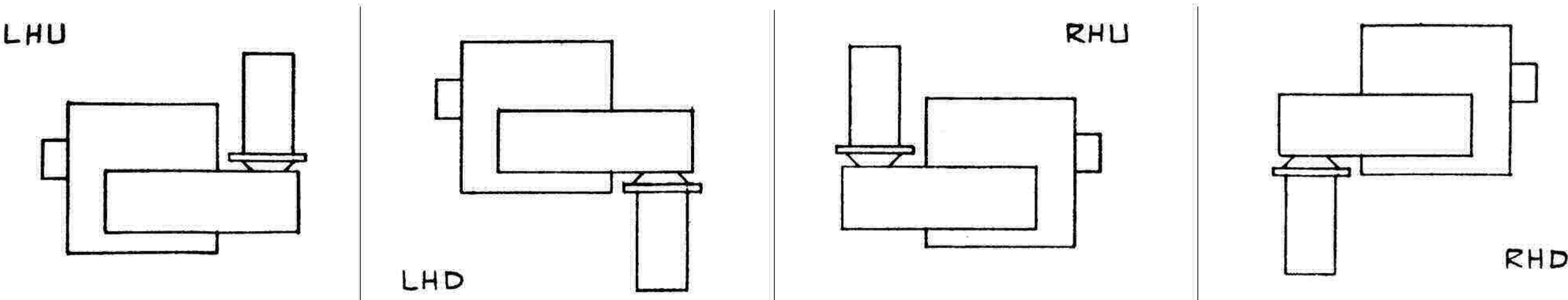
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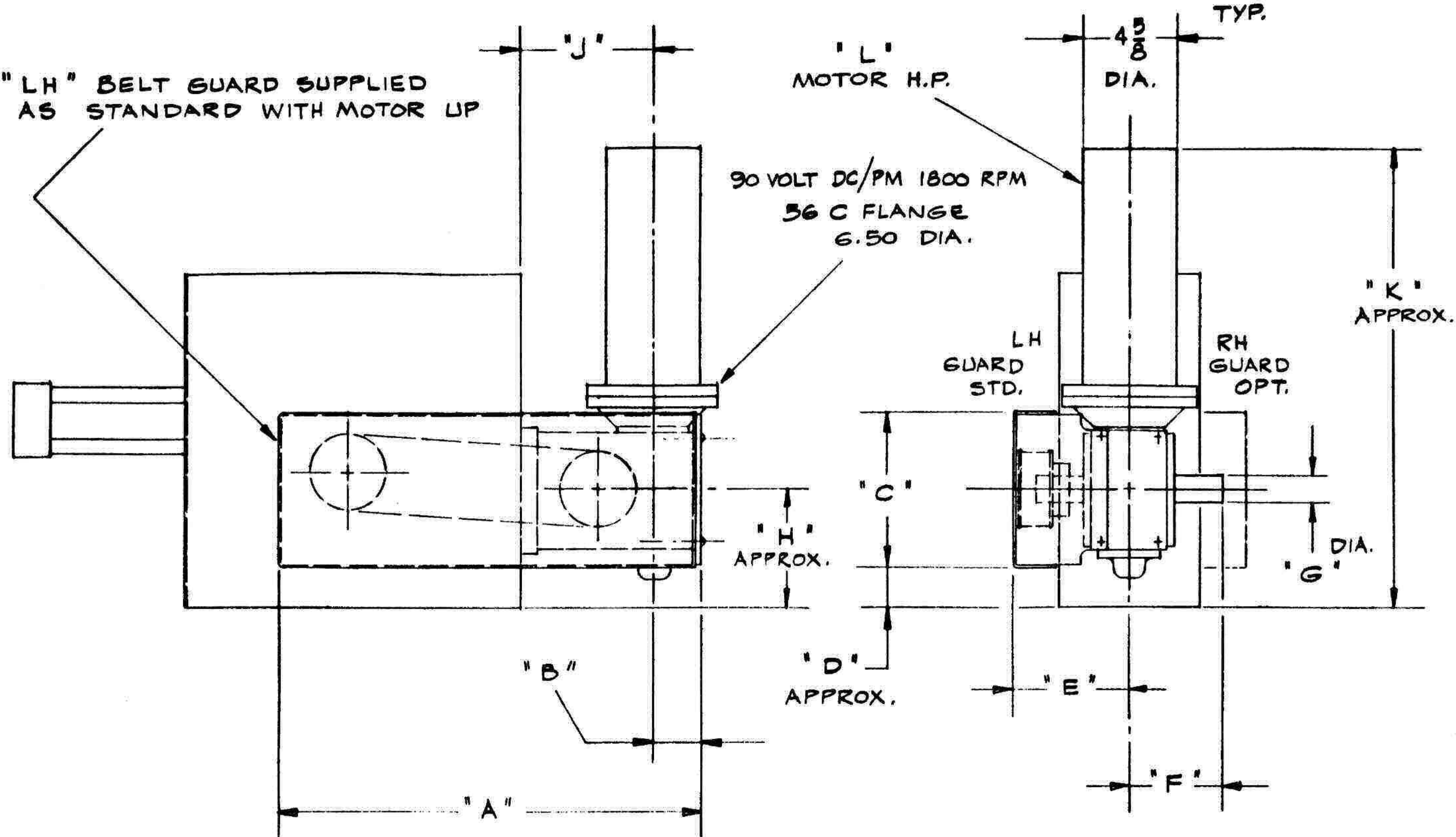
CANPACER™

Drive Package Options

MOTOR & BELT GUARD MOUNTING OPTIONS



MODEL	A	B	C	D	E	F	G	H	J	K	L	REDUCER RATIOS
C-300	11 1/8	1.31	4 1/2	1	3 7/16	3 1/4	0.63	3 1/4	3.58	15 3/4	1/4	10, 20, 30, 40, 50, 60
C-450	14 1/2	1.63	5 1/4	1 1/8	4 1/8	3 1/2	0.75	3 3/4	4.48	17 5/8	1/3	15, 20, 30, 40, 50, 60
C-600	20 3/16	2.25	7 3/8	1 15/16	5 5/8	4 1/2	1.25	5 5/8	6.36	21 1/4	1/2	20, 30, 40, 50, 60
C-900	23 3/16	2.25	7 3/8	3 3/4	5 5/8	4 1/2	1.25	7 7/16	6.88	23	1/2	30, 40, 50, 60
C-1200	25 11/16	2.5	9	3 1/4	6 9/16	5 7/16	1.375	7 3/4	7.47	25 1/8	3/4	30, 40, 50, 60



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Tech@atcpnp.com
Phone (517) 625-4112
Fax (517) 625-5404

PARTS HANDLER APPLICATION WORKSHEET

Emailed scanned document to sales@atcpnp.com

Company: _____

Contact Information: _____

Project Name: _____

Date: _____

CAMPACER LINEAR PICK & PLACE	ROBOTRAN ROTARY/LINEAR PICK & PLACE	MAXI-TRAN WALKING BEAM DRIVE
Lift: _____ in / mm	Lift: _____ in / mm	Lift: _____ in / mm
Horizontal: _____ in / mm	Rotary: _____ in / mm	Transfer: _____ in / mm

CYCLE INFORMATION

Total Cycle Time: _____ sec.	Continuous ☐	Cycle On Demand ☐
Motion & Dwell Times: _____		

Product Wt: _____ lbs / kg Tooling Wt: _____ lbs / kg

Additional loads: _____

Accuracy/Repeatability: _____

Drive Specifications: _____

Other Specifications: _____

Emailed scanned document to sales@atcpnp.com

AIRPACER™

AIR PICK & PLACE



FEATURES:

- Motions are controlled by a unique air over cam system
- Pick & place accuracy = +/- .001
- Load rating 1.5 - 9 lbs

DRIVE SPECIFICATIONS:

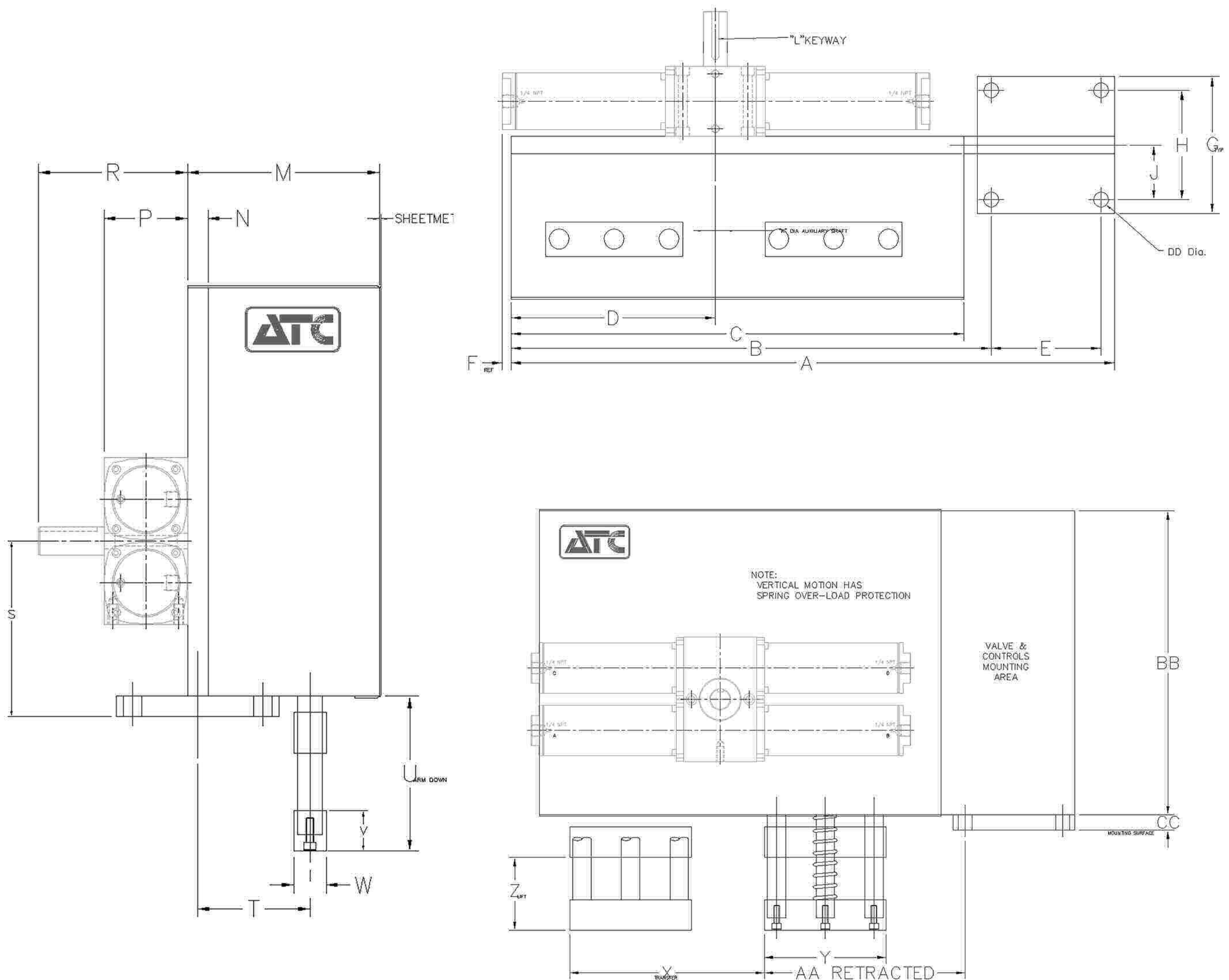
- Torque rating (in lbs.) = $1.96 \times \text{air pressure}$
- Approx. Operating line pressure = 60 P.S.I.
- Ball bearing shaft support w/min. back lash
- Auxiliary shaft for manual set up



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AIRPACER™

DIMENSIONAL DATA

Model	A	B	C	D	E	F	G	H	J	K	L	M
A-400	18.00	13.50	12.00	2.71	4.00	1.38	5.00	4.00	2.00	0.625	3/16 X 3/32	4.63
A-600	22.00	17.50	16.50	7.44	4.00	0.33	5.00	4.00	2.00	0.875	1/4 X 1/8	5.88
A-800	22.00	17.50	16.50	7.44	4.00	0.33	5.00	4.00	2.00	0.875	1/4 x 1/8	5.88

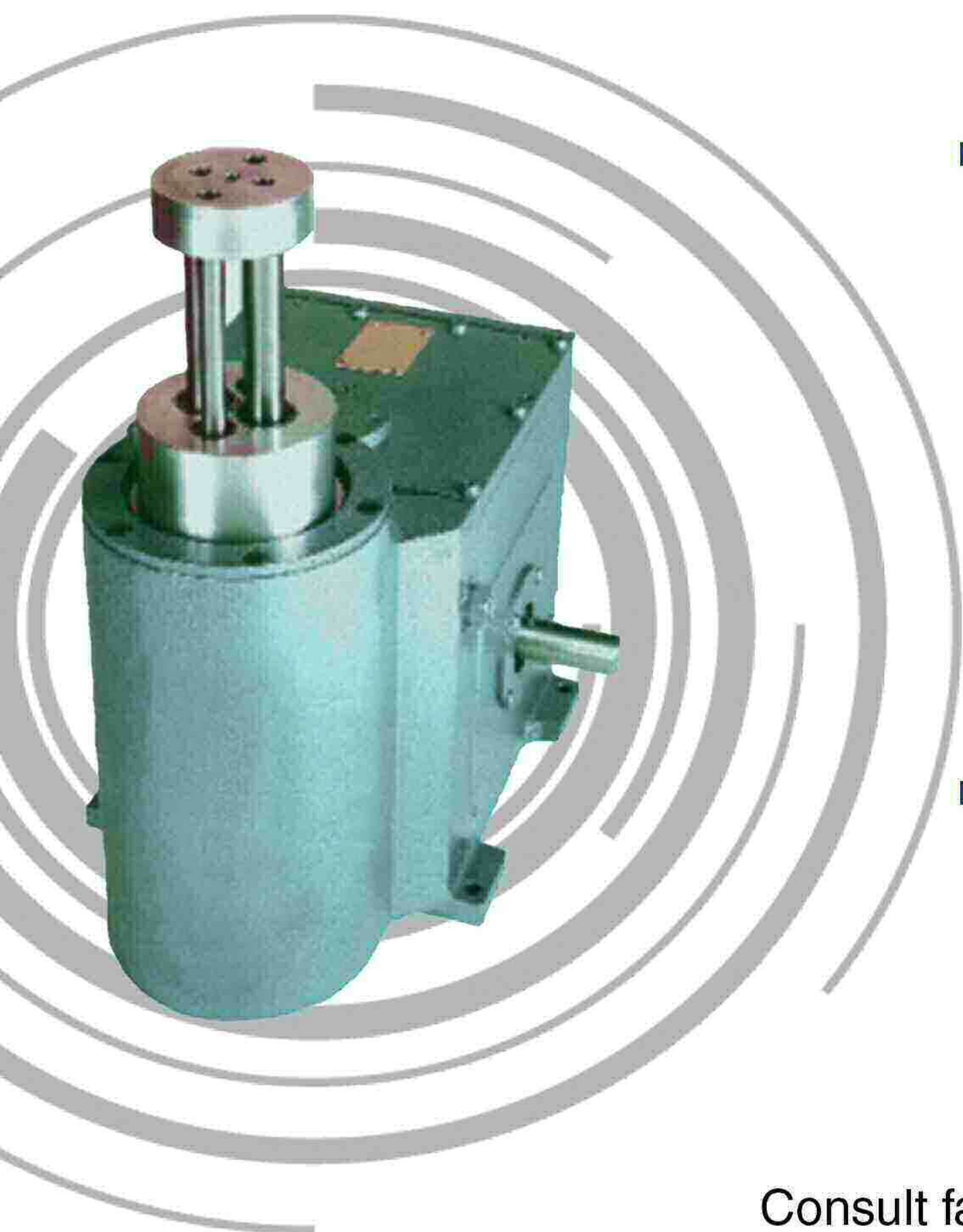
Model	N	P	R	S	T	U	V	W	X	Z	AA	BB	CC
A-400	0.50	2.34	3.63	3.50	2.88	2.75	1.00	0.75	4.00	1.50	8.50	8.00	0.50
A-600	0.63	2.56	4.56	5.38	3.44	4.75	1.25	1.00	6.00	3.00	9.25	12.50	0.63
A-800	0.63	2.56	4.56	5.38	3.44	7.75	1.25	1.00	8.00	3.00	8.25	12.50	0.63



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ROBOTRAN™



FEATURES:

- Rotational swings 45°, 50°, and 120°
- All bearings sealed for life
- Heavy-duty output bearings
- Hardened and ground cams
- Modified sine cam accelerations
- Accurate repeatability (.001 @ 6.00 R.)

OPTIONS:

- DC- Gearmotor drive package & controller
- Special complex motions
- Special arms and end effectors
- Cam switch/ air valve assemblies

Consult factory for load ratings and arm configurations

MODEL	R-150	R-200	R-300	R-500	R-700
LIFT (MAX.)	1.50	2.00	3.00	5.00	7.00
ROTAT. (MAX.)	120°	120°	120°	120°	120°

NOTE: Special rotations up to 180° are available on all units, however, lift stroke must be reduced. A special output is supplied to achieve rotations above 90°

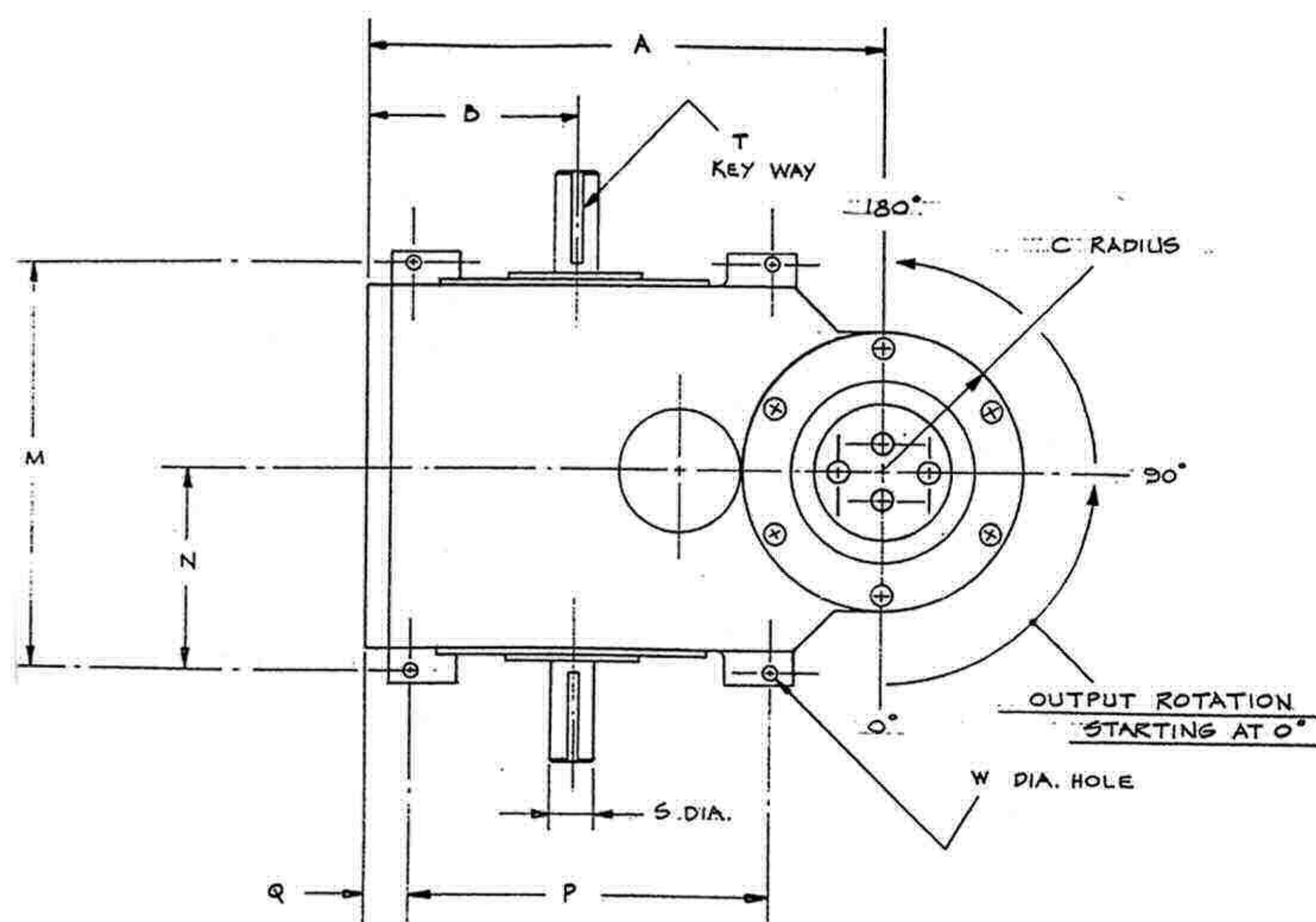
Extended lift strokes are available. Consult factory for application



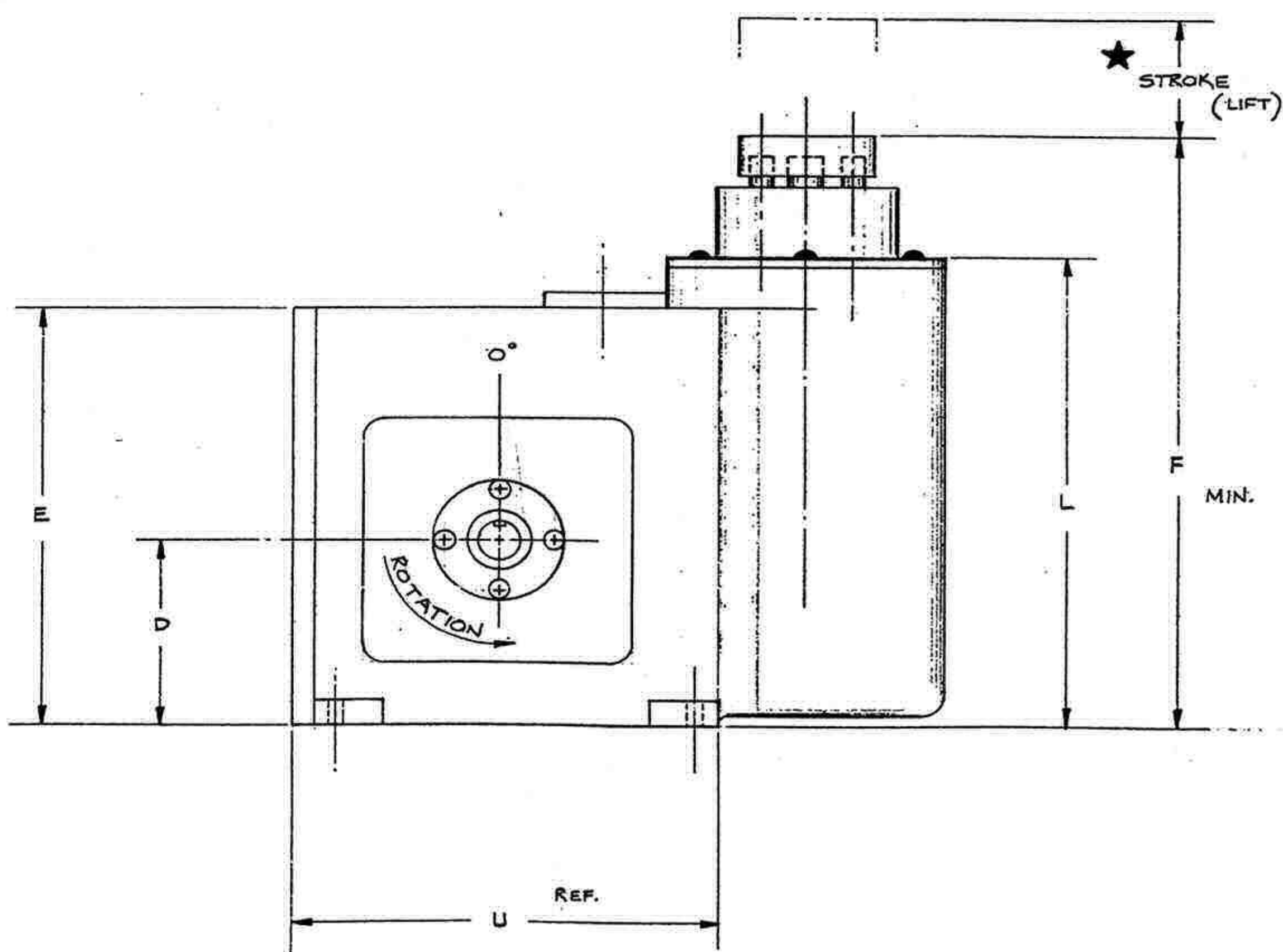
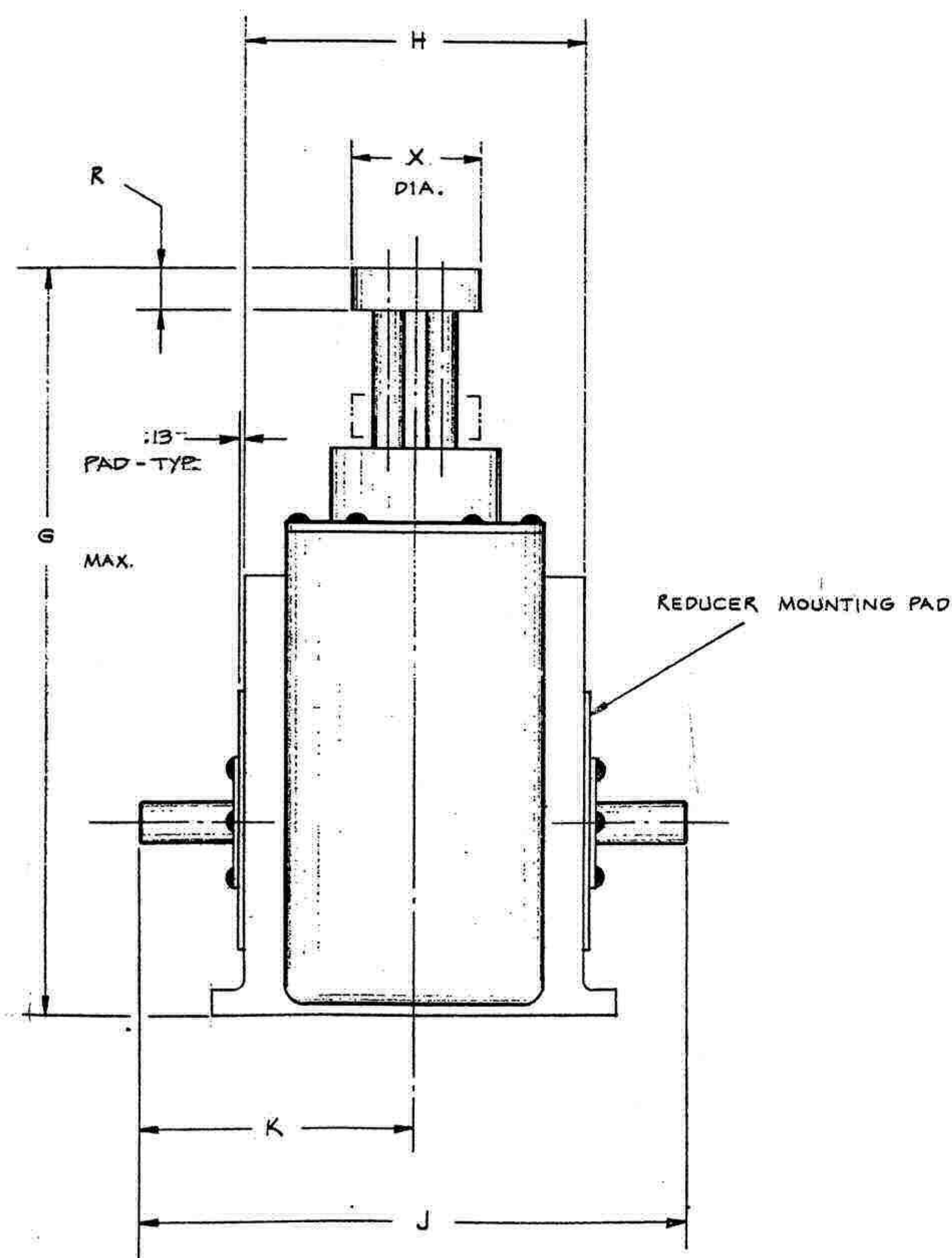
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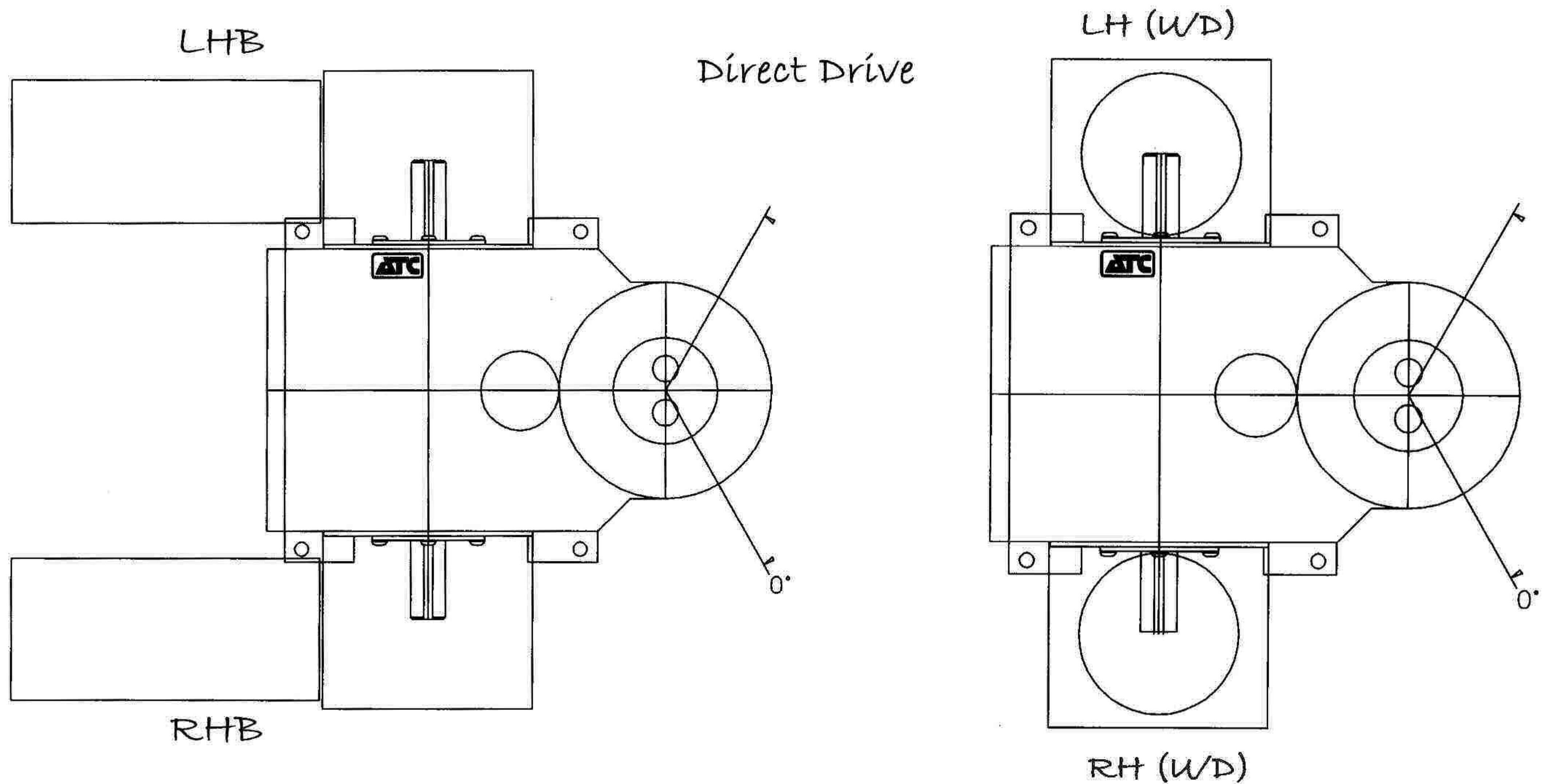


MODEL	R-150	R-200	R-300	R-500	R-700
A	8.40	9.42	11.44	15.50	17.88
B	3.00	3.50	4.63	5.75	6.75
C	2.38	2.75	3.06	3.75	4.63
D	3.00	3.50	4.50	5.50	6.50
E	7.00	8.13	10.25	13.00	15.50
F	9.75	11.50	14.50	18.00	26.50
G	11.25	13.50	17.50	23.00	33.50
H	6.00	7.00	8.00	11.00	12.50
J	10.00	11.00	13.00	17.00	19.00
K	5.00	5.50	6.50	8.50	9.50
L	7.75	9.25	11.50	14.50	17.75
M	7.00	8.00	9.00	12.25	14.50
N	3.50	4.00	4.50	6.13	7.25
P	5.50	6.00	8.00	10.75	12.75
Q	0.75	0.88	1.00	1.00	1.25
R	0.75	0.88	1.00	1.50	2.00
S	0.625	0.75	1.00	1.375	1.50
T	0.188	0.188	0.25	0.312	0.38
U	6.25	7.38	9.50	12.25	15.00
W	0.280	0.340	0.40	0.530	0.53
X	2.50	3.000	3.00	4.00	5.00

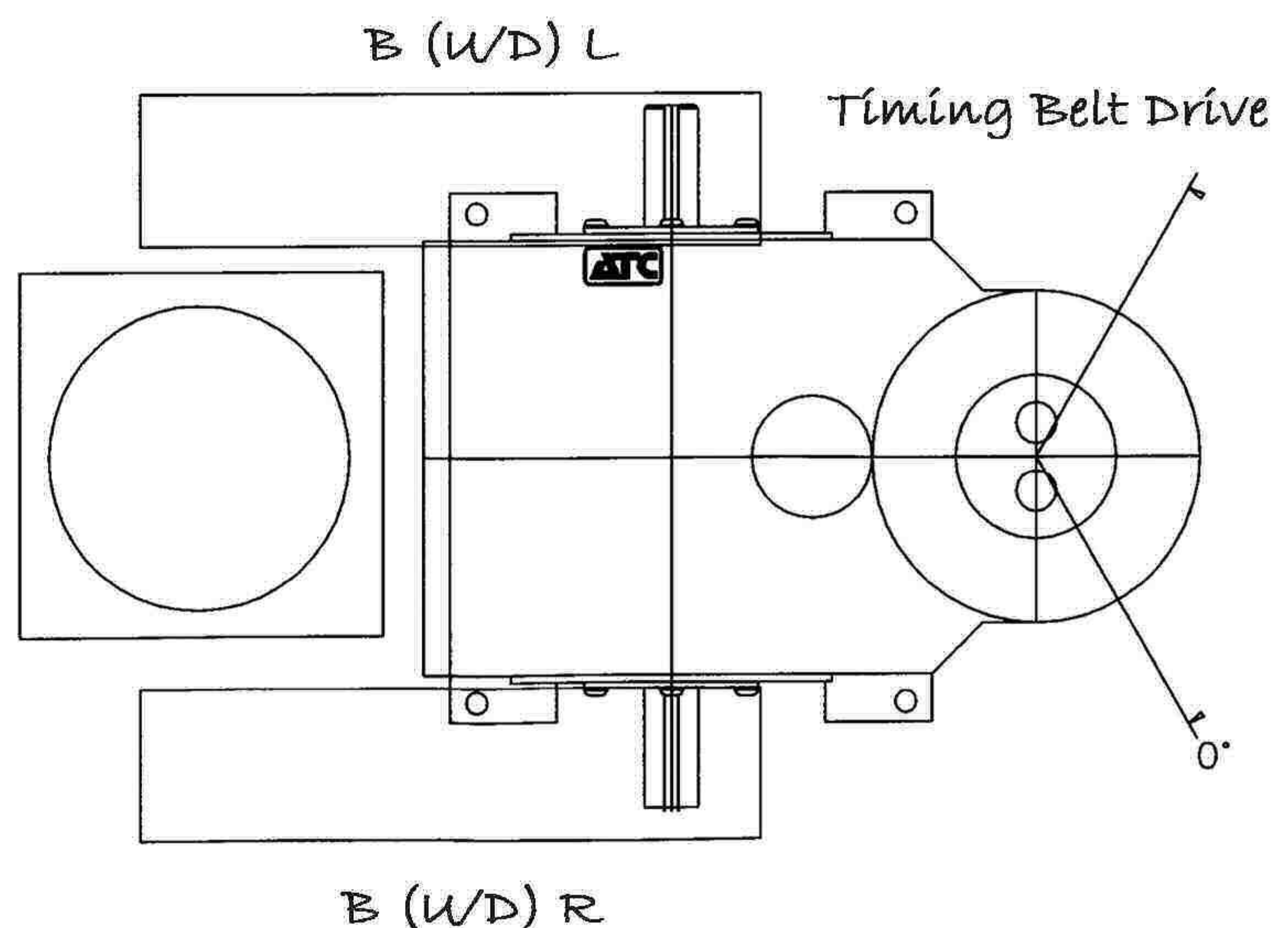


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Drive Package Options

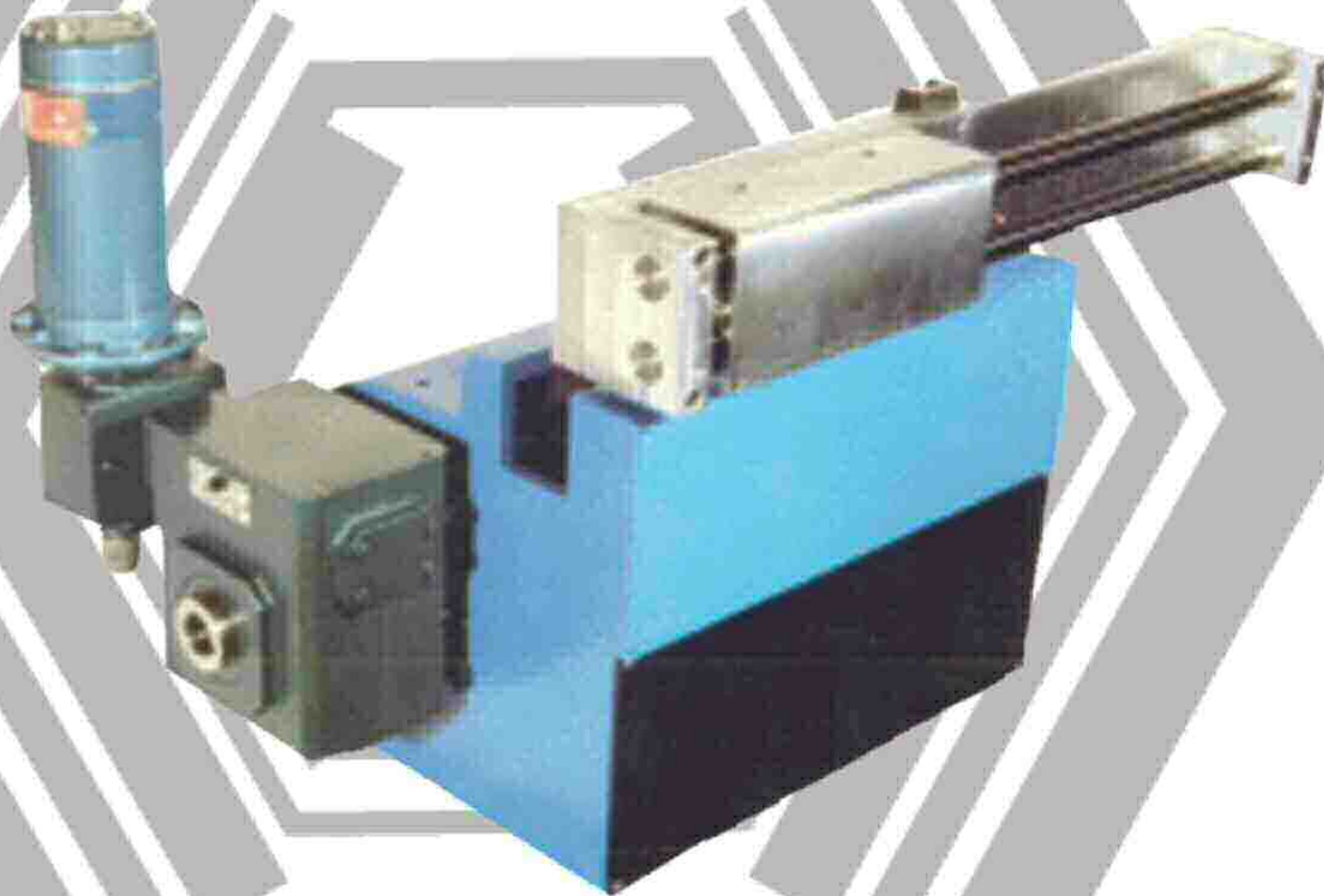


MODEL	Hp	REDUCER
R - 150	1/4	30, 60
R - 200	1/4	30, 60
R - 300	1/2	60, 80, 100
	1	60, 80, 100
R - 500	1	60, 80, 100, 120
	1.5	80, 100, 120
R - 700	1.5	80, 100, 120
	2	80, 100, 120





maxi • TRANTM



FEATURES:

- Hardened and ground cams
- All rolling and sliding elements are hardened and ground
- All bearings sealed for life
- Heavy-duty input and output shafting
- Low-pressure angle cams for extended life

OPTIONS:

- Drive package and controls
- "Soft touch" lift and lower
- Special motions and strokes



OUTPUT ARM MOVEMENTS		
CW WALKING BEAM	CCW WALKING BEAM	LIFT & CARRY PICK & PLACE

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MAXI · TRANTM

MODEL	A	B	C	D	E	F	G	H	I	J	K	L
MT-250	1	2 1/2	6 3/4	5 3/4	5 3/4	6 1/4	6 1/2	2 1/4	0.00	7 1/4	1/4	6 3/4
MT-400	2	4	10 1/2	8 3/4	9	9 1/4	9 7/8	3 1/2	0.00	11 3/4	1/2	10 3/4
MT-600	3	6	14	11 3/4	11 1/2	12 1/4	12 3/8	4	0.00	16 1/2	3/4	15
MT-900	3	9	18	14	13 3/4	14 1/2	14 1/2	4	1.00	20 1/2	3/4	19
MT-1200	4	12	22	17	16 1/4	17 1/2	17 3/4	5	1.75	25	7/8	23 1/4
MT-1800	4	18	22	17	16 1/4	17 1/2	17 3/4	5	0.00	34 1/2	3/4	33

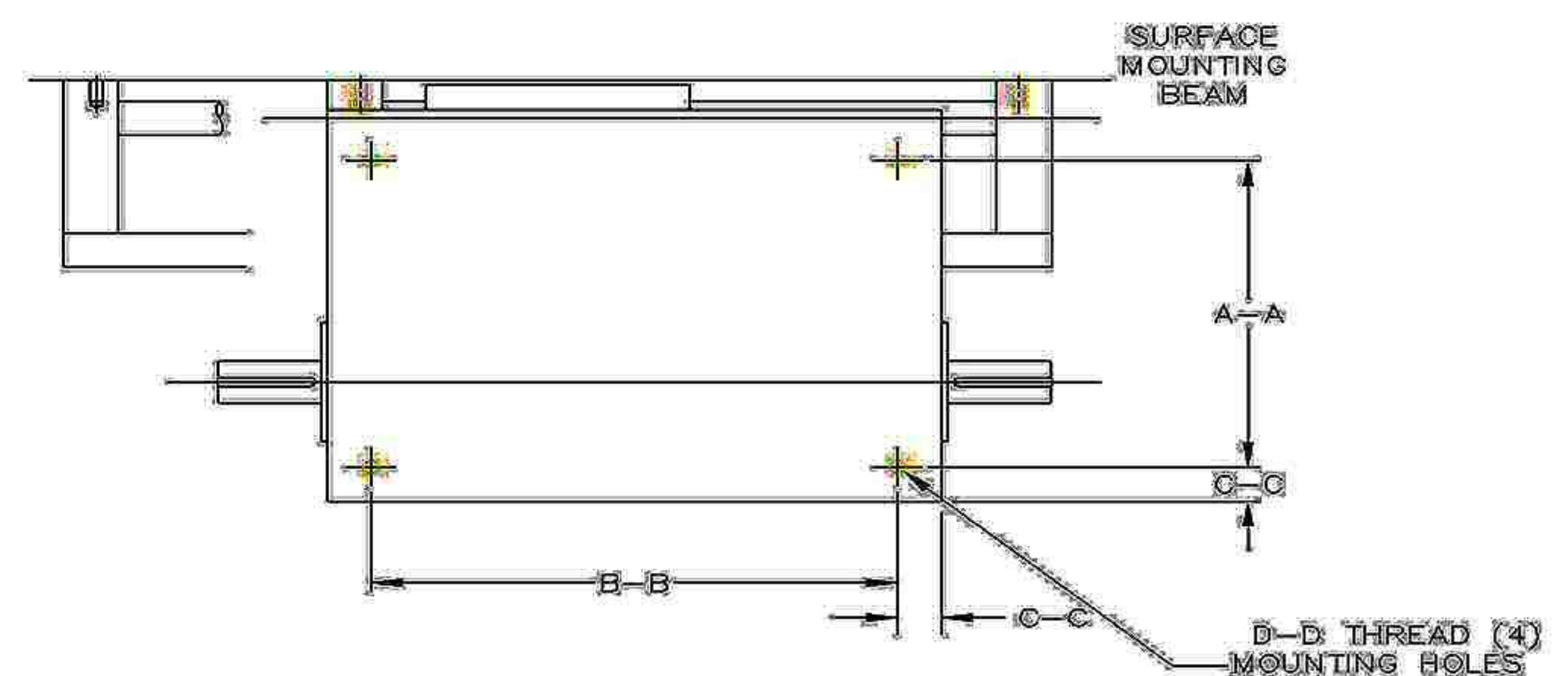
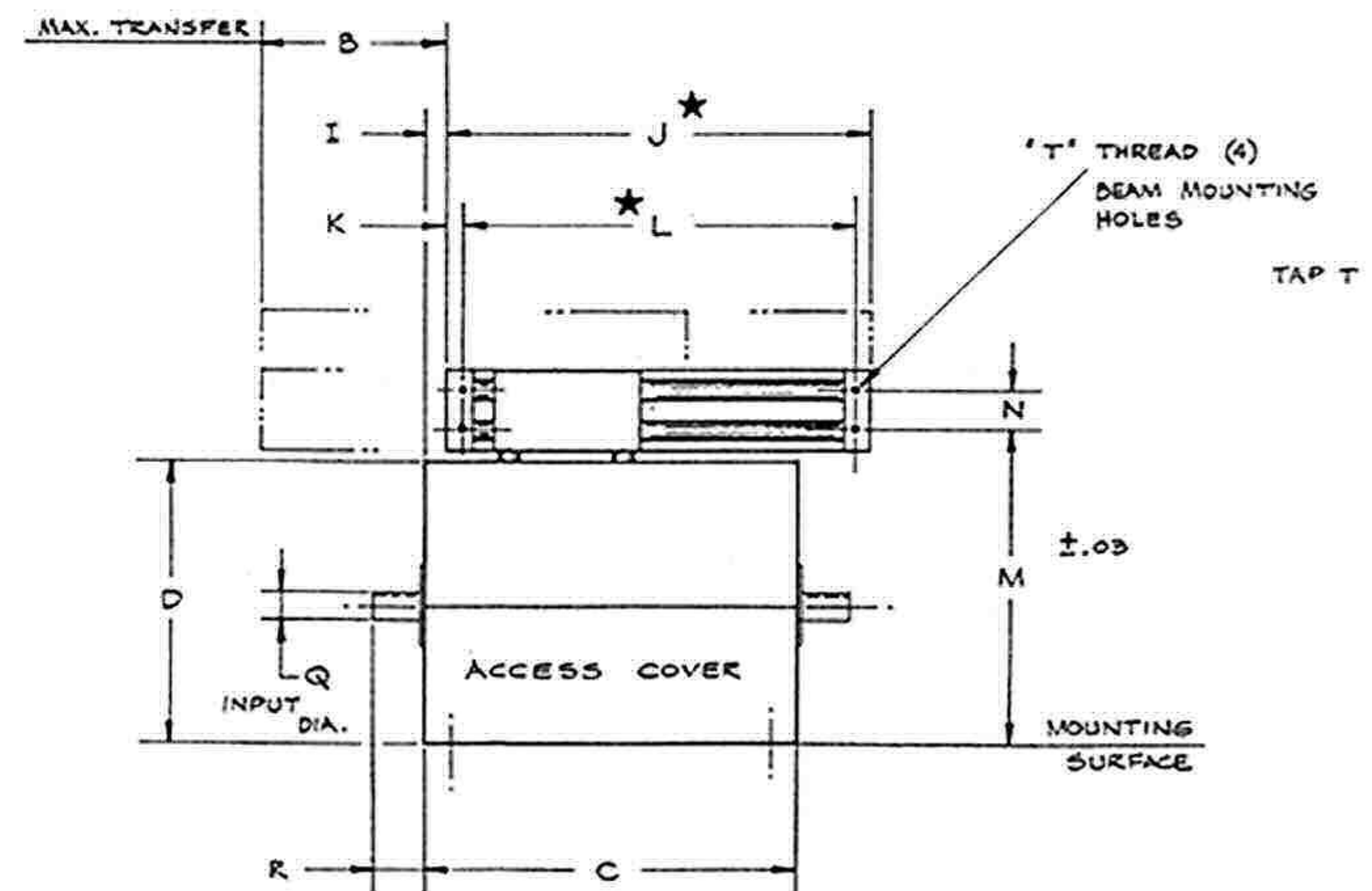
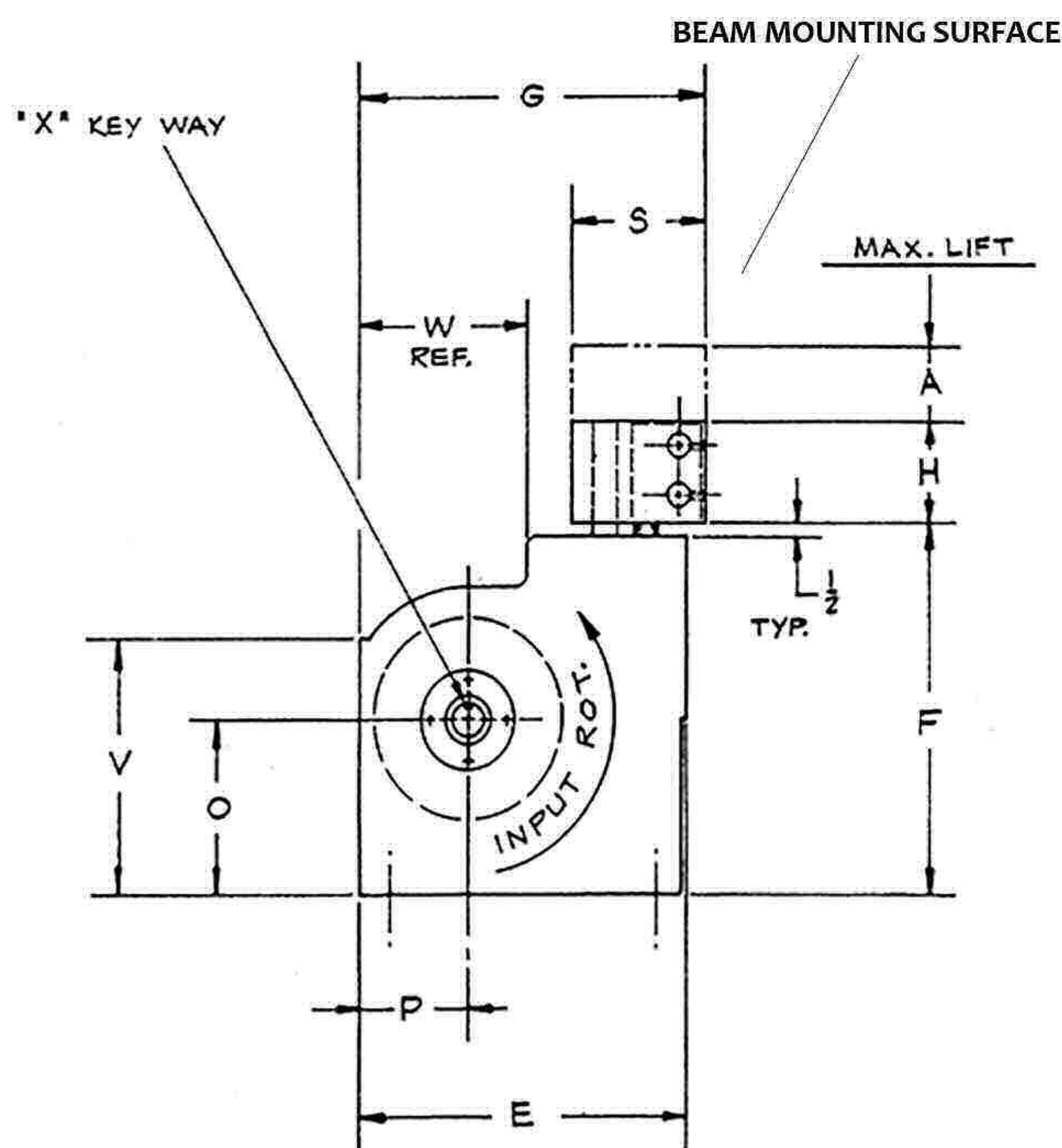
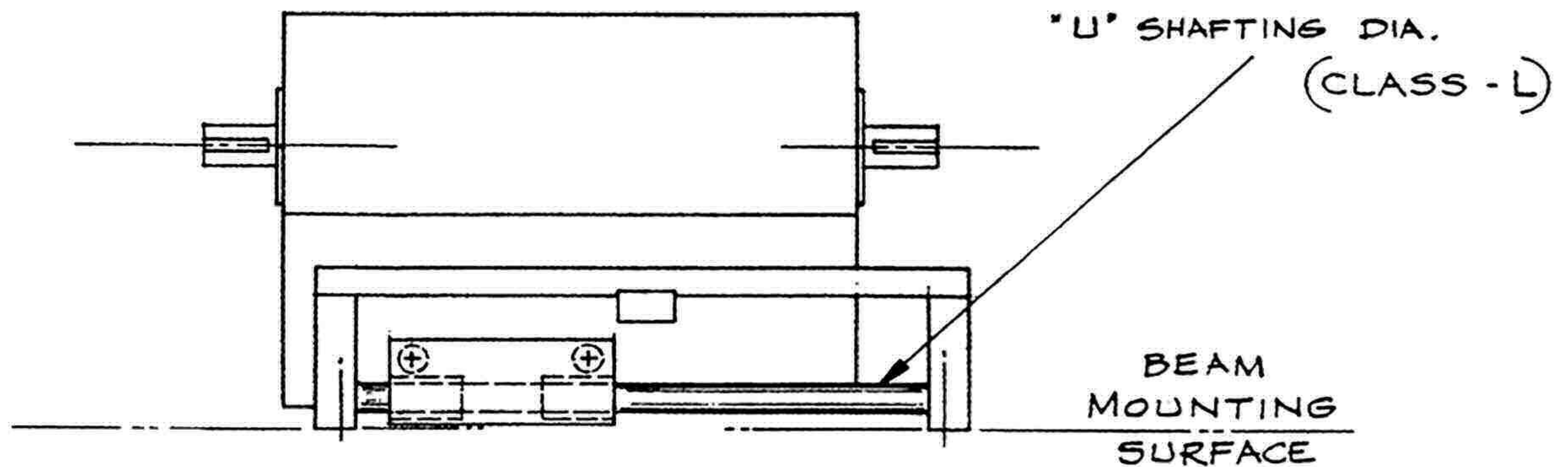
MODEL	M	N	O	P	Q	R	S	T	U	V	W	X
MT-250	6 7/8	1	3	1 9/16	0.63	1 1/2	3 1/8	10-24	1/2	5 3/4	-	3/16 X 3/32 X 1 1/4
MT-400	10 1/8	1 3/4	4 1/4	2 3/4	1.00	2	4 3/4	1/4 - 20	3/4	6 1/2	4	1/4 X 1/8 X 1 3/4
MT-600	13 1/4	2	5 1/2	3 1/2	1.25	2 1/2	5 1/2	5/16 - 18	1	8	5	1/4 X 1/8 X 2 1/4
MT-900	15 1/2	2	6 7/8	4 1/2	1.375	2 1/2	5 5/8	5/16 - 18	1	10	7	5/16 X 5/32 X 2 1/4
MT-1200	18 3/4	2 1/2	8 1/4	5 1/2	1.75	3	6 3/4	3/8 - 16	1 1/4	12	8 1/2	3/8 X 3/16 X 2 3/4
MT-1800	18 3/4	2 1/2	8 1/4	5 1/2	1.75	3	5 1/4	3/8 - 16	1 1/4	12	8 1/2	3/8 X 3/16 X 2 3/4

Mounting Dimensions

MODEL	A-A	B-B	C-C	D-D
MT-250	4 1/4	5 1/2	5/8	1/4 - 20
MT-400	7 1/4	9	3/4	5/16 - 18
MT-600	9	12	1	3/8 - 16
MT-900	11 1/4	15 1/2	1 1/4	1/2 - 13
MT-1200	13	19	1 1/2	5/8 - 11
MT-1800	13	19	1 1/2	5/8 - 11

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MAXI-TRAN™



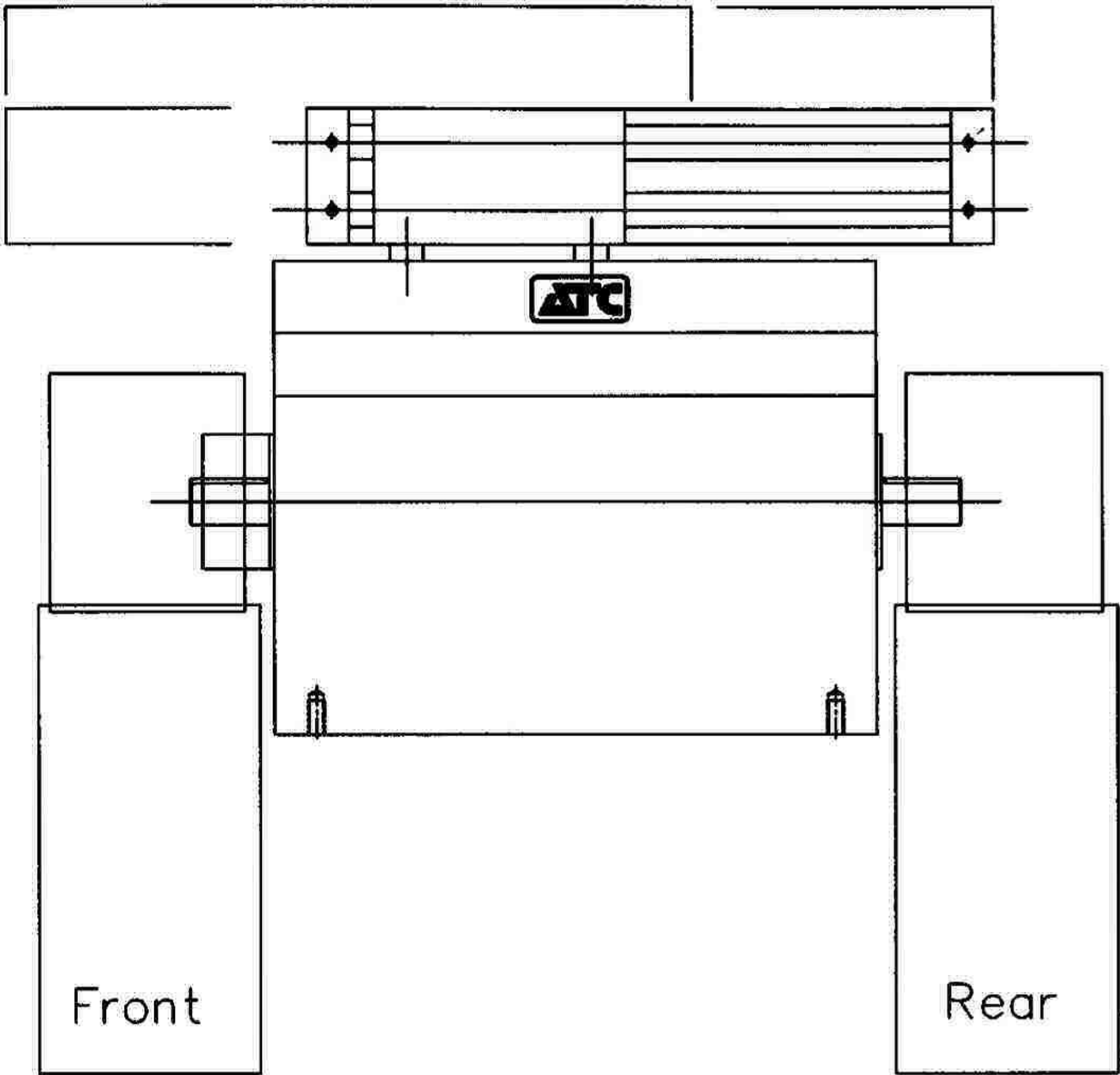
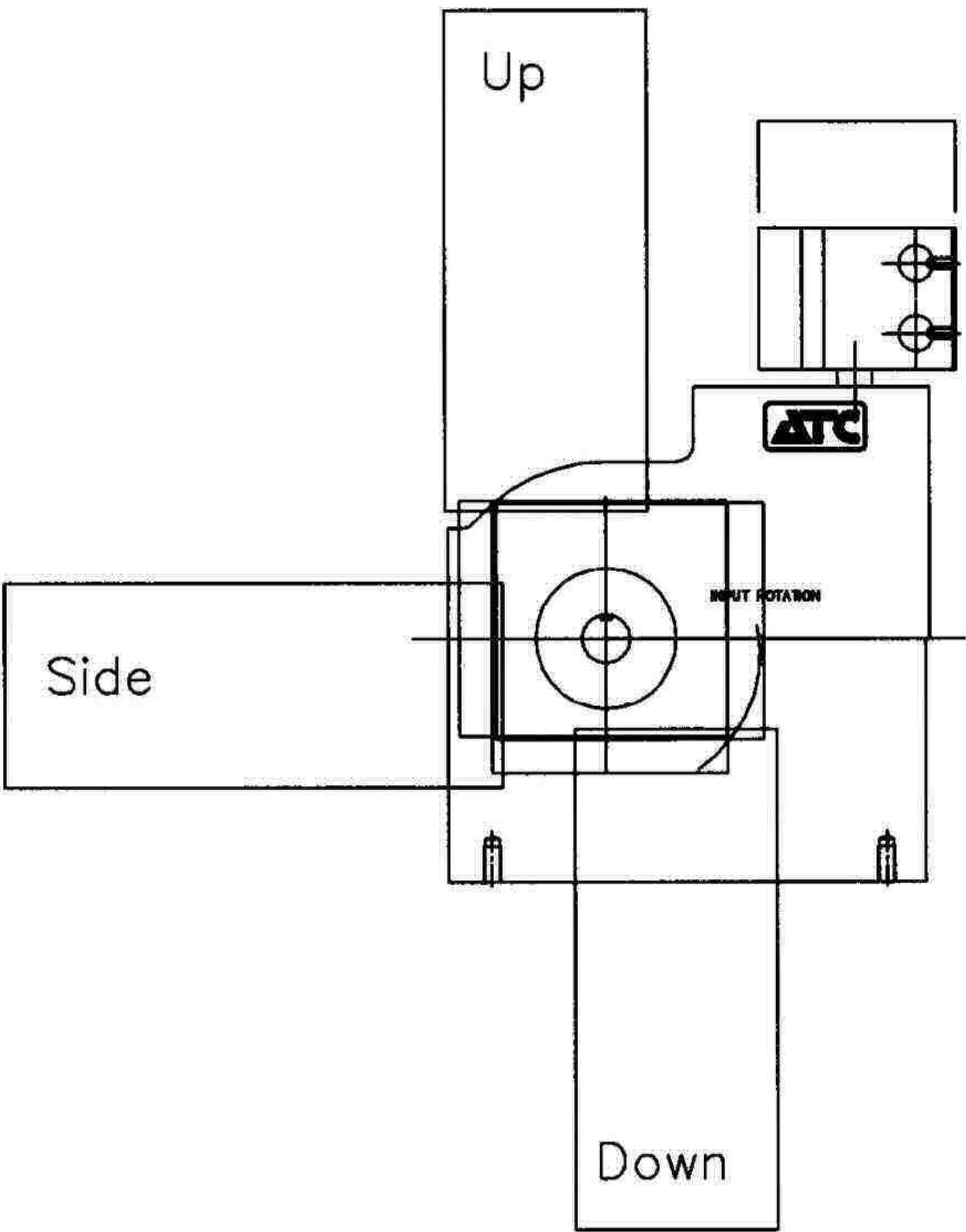
NOTE: As transfer stroke reduces,
DIM's. "J" and "L" reduce by the same.



maxi·TRAN™

Drive Package Options

MODEL	Hp	REDUCER
MT-250	1/4 , 1/3	45, 60
MT-400	1/3, 1/2	45, 60
MT-600	1/2, 3/4	60, 80, 100
MT-900	1/2, 3/4	60, 80, 100
MT-1200	3/4, 1	120, 180
MT-1800	1, 1 1/2	120, 180





Company History

When Jerry Healy launched Automatic Tool Company (ATC) back in 1972, he was already a leader in the automation industry, with expertise in supplying components to machine builders and automated assembly industries.

As the business grew, ATC began to provide support services for several large manufacturers of cam driven devices. Based on the automation customers' needs, the Campacer was developed for linear pick & place applications. Later, the Robotran rotary/linear pick & place and the Maxitran walking beam drive were developed.

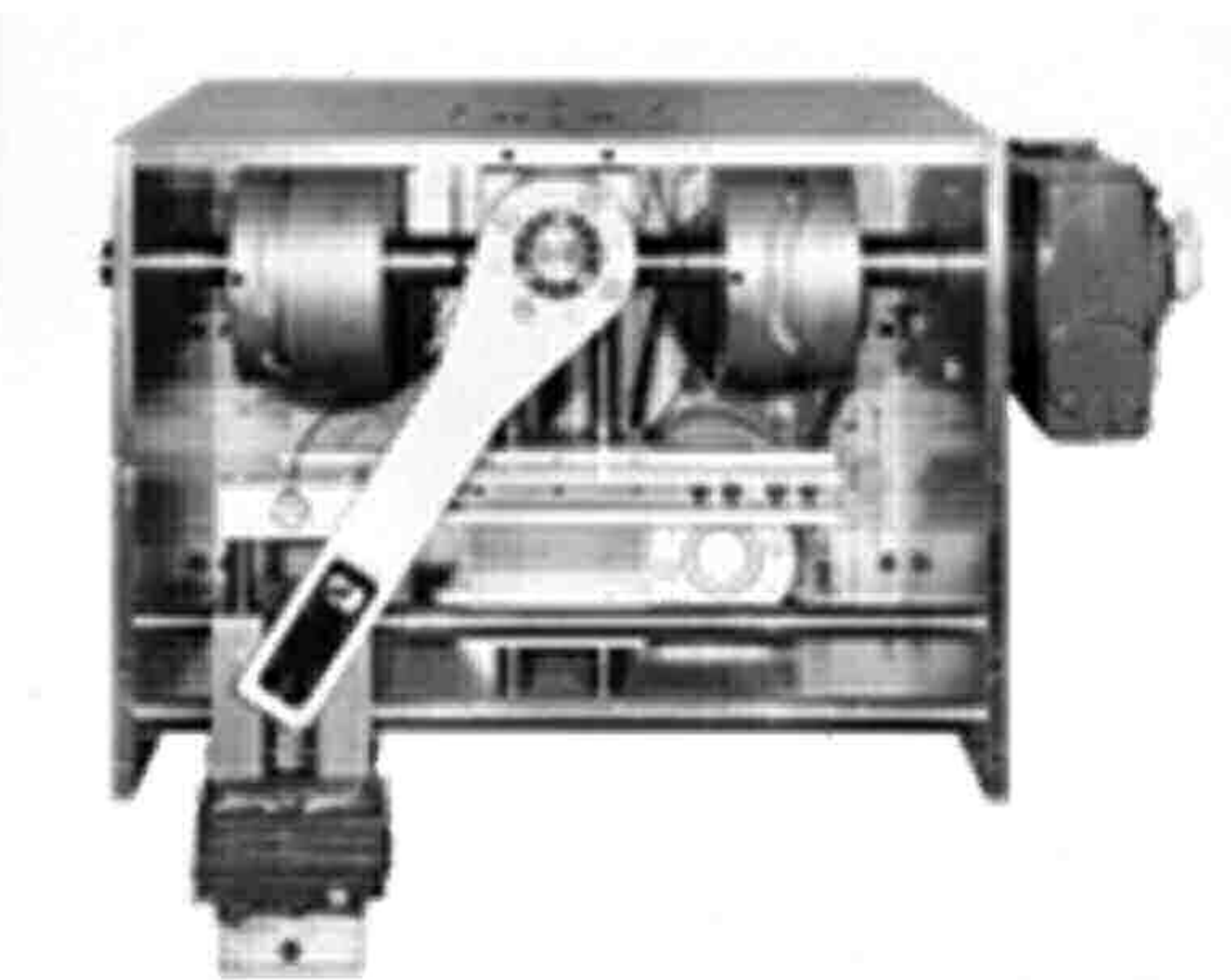
As customers applications evolved, each product line was expanded to include several sizes. ATC products are used in many industries:

- For assembly: Automotive, medical and consumer goods
- For manufacturing: Material feed for presses & lathes

In 2015, ATC was purchased by Aptek, Inc., its Michigan Territory Sales Representative for almost 30 years, and moved to Aptek's facility in Perry, Mi.

ATC equipment has been successfully implemented worldwide, in a number of sites and a variety of industries. Today the tradition of meeting customers' needs continues.

Contact us and put our experience to work for you.



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