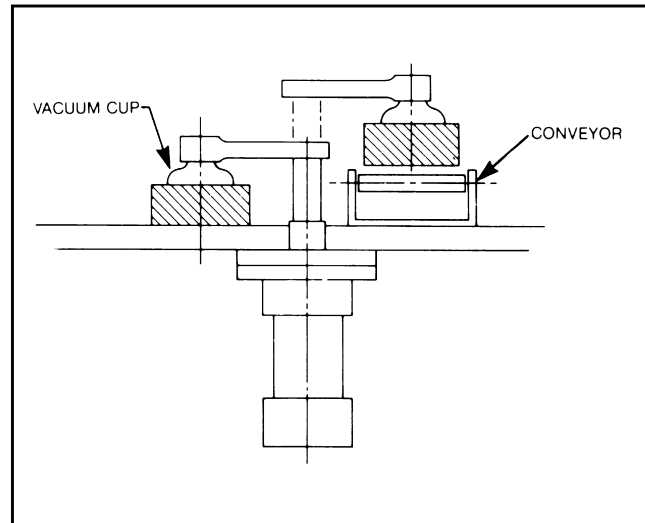




Internal Rota Shaft for Air or Hydraulic Powered Cylinders



A full range of standard 1 1/2" to 3 1/4" bore J.I.C. double rod end cylinders incorporating the exclusive E&E helix within the cylinder to provide 90° right- or left-hand shaft rotation.



INTERNAL BODY ROTA-SHAFT

DESIGN FEATURES

- Unit totally self-contained prevent contaminants from entering helix
- Additional rotational, straight travel and bores available on special order basis
- Entire clamp is designed around a standard J.I.C. cylinder configuration
- Air or hydraulic available
- Rod sizes are 5/8" or 1" as needed
- Equipped with standard threaded end for ease of mounting clamping details

APPLICATION

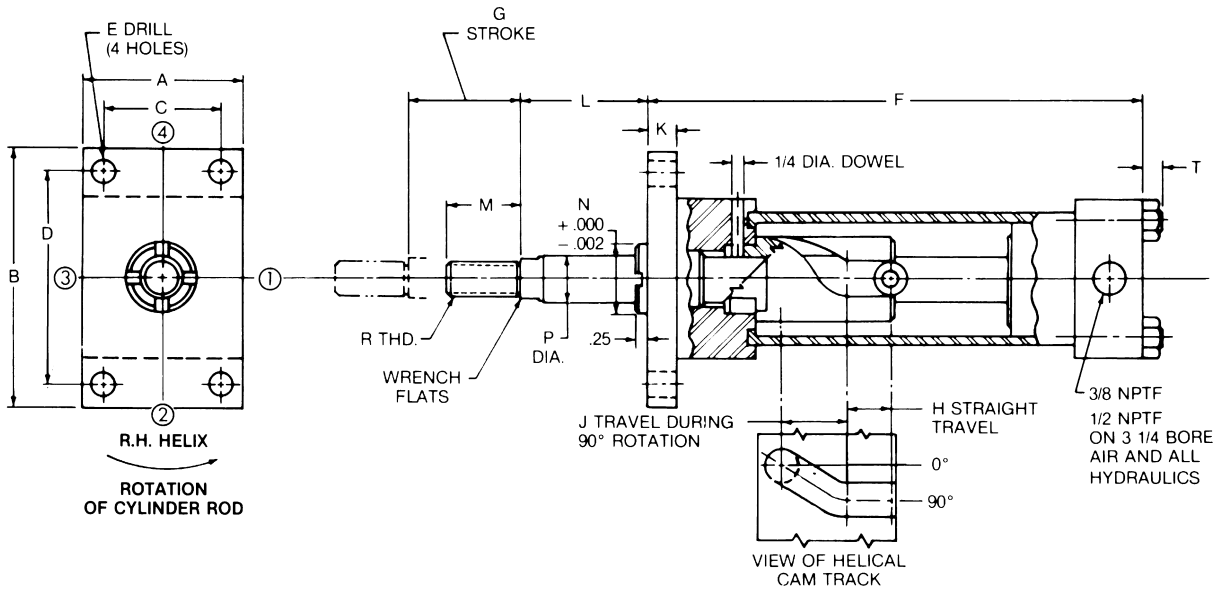
Typically used in pull-to-clamp situations where greater clamping forces are required. Also can be used in parts transfer applications.



Internal Rota Shaft for Air or Hydraulic Powered Cylinders



Linear/Rotary Motion



RIGHT HAND ROTATION SHOWN, LEFT HAND ALSO STANDARD.

Click box to download CAD

AIR POWERED																					
2DWG	3DWG	STP	CAD FILE NAME	PART NUMBER	CYL. BORE DIAMETER	DIMENSIONS															
						A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T
			E58151	E58151-(R/L)	1-1/2	2.00	3.38	1.43	2.75	.32	8.12	1.81	1.00	.81	.38	2.25	1.25	1.124	.625	7/16-20	.25
			E58201	E58201-(R/L)	2.0	2.50	4.12	1.84	3.38	.38	8.12	1.81	1.00	.81	.38	2.25	1.25	1.124	.625	7/16-20	.32
			E58251	E58251-(R/L)	2-1/2	3.00	4.62	2.19	3.88	.38	8.25	1.81	1.00	.81	.38	2.62	1.25	1.124	.625	7/16-20	.32
			E11326	E11326-(R/L)	3-1/4	3.75	5.50	2.76	4.69	.44	10.47	2.50	1.00	1.50	.62	3.25	1.62	1.499	1.00	3/4-16	.38

MAXIMUM RECOMMENDED OPERATING PRESSURE – 250 PSI AIR – 500 PSI HYDRAULIC
 MAXIMUM VELOCITY – 120 IN./MIN.

Click box to download CAD

HYDRAULIC POWERED																					
2DWG	3DWG	STP	CAD FILE NAME	PART NUMBER	CYL. BORE DIAMETER	DIMENSIONS															
						A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T
			E48151	E48151-(R/L)	1-1/2	2.50	4.25	1.63	3.44	.44	9.12	1.81	1.00	.81	.38	2.25	1.25	1.124	.625	7/16-20	.38
			E10201	E10201-(R/L)	2.0	3.00	5.12	2.05	4.12	.56	10.85	2.50	1.00	1.50	.62	2.82	1.62	1.499	1.00	3/4-16	.44
			E10251	E10251-(R/L)	2-1/2	3.50	5.62	2.55	4.62	.56	10.97	2.50	1.00	1.50	.62	2.82	1.62	1.499	1.00	3/4-16	.44

Ordering Information (Example)

E58151 - R/L - HP2 - CP2 - HS4 - CS4

right head cap head cap
 or port port switch switch
 left pos. pos. pos. pos.

MAXIMUM RECOMMENDED OPERATING PRESSURE-1500 PSI HYDRAULIC
 MAXIMUM VELOCITY – 120 IN./MIN.
 SPECIFY: -R (RIGHT-HAND) -L (LEFT-HAND)

CAD Directory

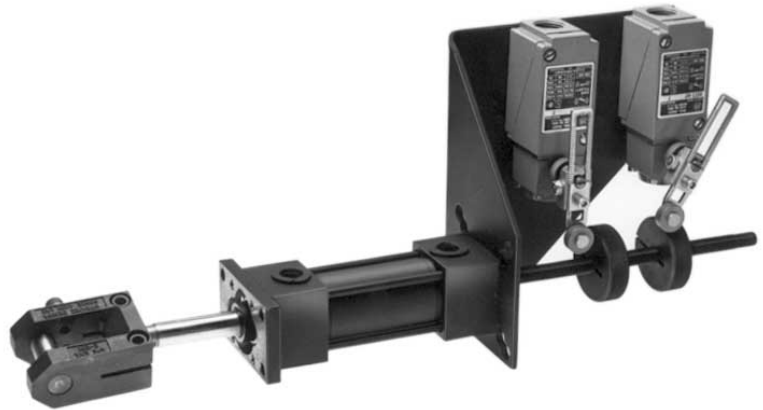
Linear-Rotary\Internal



Internal Powered Double Rod End Rota-Shaft



A full range of standard 1 1/2" to 3 1/4" bore J.I.C. double rod end cylinders incorporating the exclusive E&E helix within the cylinder to provide 90° right- or left-hand shaft rotation.



DESIGN FEATURES

- Precision machined cam track
- Hardened housing
- Precision cam roller hardened and ground
- Standard J.I.C. cylinders
- Variety of bore sizes and shaft diameters available
- Offers air or hydraulic versatility
- Additional rotational, straight travel, and bores available on a special order basis
- Double rod end for switching capability
- Rods accept standard switch rods and dogs
- Extended tie rods for switch bracket mounting
- Equipped with standard threaded end for ease of mounting clamping details

APPLICATION

Typically used in pull-to-clamp situations where greater clamping forces are required and position sensing is required.



Internal Powered Double Rod End Rota-Shaft



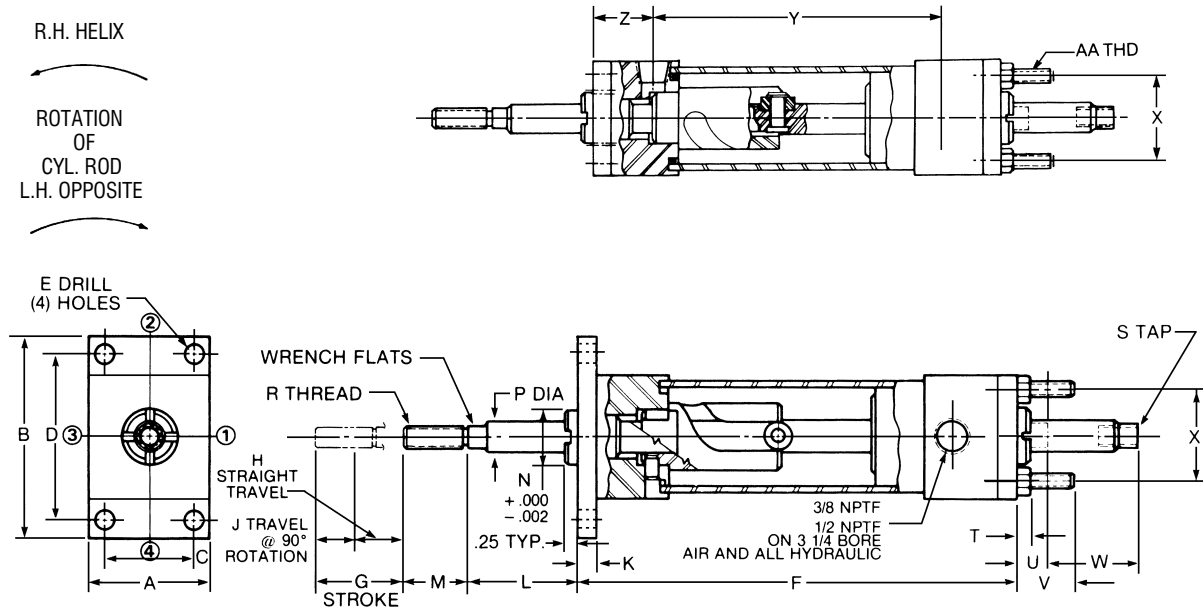
Linear/Rotary Motion

NOTE: PORT POSITION 1 FURNISHED UNLESS OTHERWISE SPECIFIED

R.H. HELIX



ROTATION OF CYL. ROD L.H. OPPOSITE



RIGHT HAND ROTATION SHOWN, LEFT HAND ALSO STANDARD.

			AIR POWERED																										
			CAD FILE NAME	PART NUMBER	CYL. BORE	DIMENSIONS															S	T	U	V	W	X	Y	Z	AA
2DWG	3DWG	STP				A	B	C	D	E	F	G	H	J	K	L	M	N	P	R									
2DWG	3DWG	STP	E58151DE	E-58151-(R/L)-DE	1-1/2	2.00	3.38	1.43	2.75	5/16	9.00	1.81	1.00	.81	.38	2.25	1.25	1.124	.625	7/16-20	7/16-20 .75 DP	.25	.62	1.00	1.81	1.43	6.38	1.32	1/4-20
2DWG	3DWG	STP	E58201DE	E-58201-(R/L)-DE	2.0	2.50	4.12	1.84	3.38	3/8	9.00	1.81	1.00	.81	.38	2.25	1.25	1.124	.625	7/16-20	7/16-20 .75 DP	.31	.62	1.00	1.81	1.84	6.38	1.32	5/16-24
2DWG	3DWG	STP	E58251DE	E-58251-(R/L)-DE	2-1/2	3.00	4.62	2.19	3.88	3/8	9.12	1.81	1.00	.81	.38	2.62	1.25	1.124	.625	7/16-20	7/16-20 .75 DP	.31	.62	1.12	1.81	2.19	6.50	1.32	5/16-24
2DWG	3DWG	STP	E11326DE	E-11326-(R/L)-DE	3-1/4	3.75	5.50	2.76	4.69	7/16	11.59	2.50	1.00	1.50	.62	3.25	1.62	1.499	1.000	3/4-16	3/4-16 1.12 DP	.38	.75	1.38	2.50	2.76	8.24	1.69	3/8-24

MAXIMUM RECOMMENDED OPERATING PRESSURE – 250 PSI AIR – 500 PSI HYDRAULIC
 MAXIMUM VELOCITY – 120 IN./MIN.

			HYDRAULIC POWERED																										
			CAD FILE NAME	PART NUMBER	CYL. BORE	DIMENSIONS															S	T	U	V	W	X	Y	Z	AA
2DWG	3DWG	STP				A	B	C	D	E	F	G	H	J	K	L	M	N	P	R									
2DWG	3DWG	STP	E48151DE	E-48151-(R/L)-DE	1-1/2	2.50	4.25	1.63	3.44	7/16	9.75	1.81	1.00	.81	.38	2.25	1.25	1.124	.625	7/16-20	7/16-20 .75 DP	.38	.62	1.00	1.81	1.63	7.00	1.37	3/8-24
2DWG	3DWG	STP	E10201DE	E-10201-(R/L)-DE	2.0	3.00	5.12	2.05	4.12	9/16	11.72	2.50	1.00	1.50	.62	2.82	1.62	1.499	1.000	3/4-16	3/4-16 1.12 DP	.44	.75	1.12	2.50	2.05	8.48	1.62	1/2-20
2DWG	3DWG	STP	E10251DE	E-10251-(R/L)-DE	2-1/2	3.50	5.62	2.55	4.62	9/16	11.84	2.50	1.00	1.50	.62	2.82	1.62	1.499	1.000	3/4-16	3/4-16 1.12 DP	.44	.75	1.38	2.50	2.55	8.60	1.62	1/2-20

Ordering Information (Example)

E - 58151 - R/L - DE - HP2 - CP2 - HS4 - CS4
 head cap head cap
 port port switch switch
 pos. pos. pos. pos.

MAXIMUM RECOMMENDED OPERATING PRESSURE – 1500 PSI HYDRAULIC
 MAXIMUM VELOCITY – 120 IN./MIN.

SPECIFY: -R (RIGHT-HAND)
 -L (LEFT-HAND)