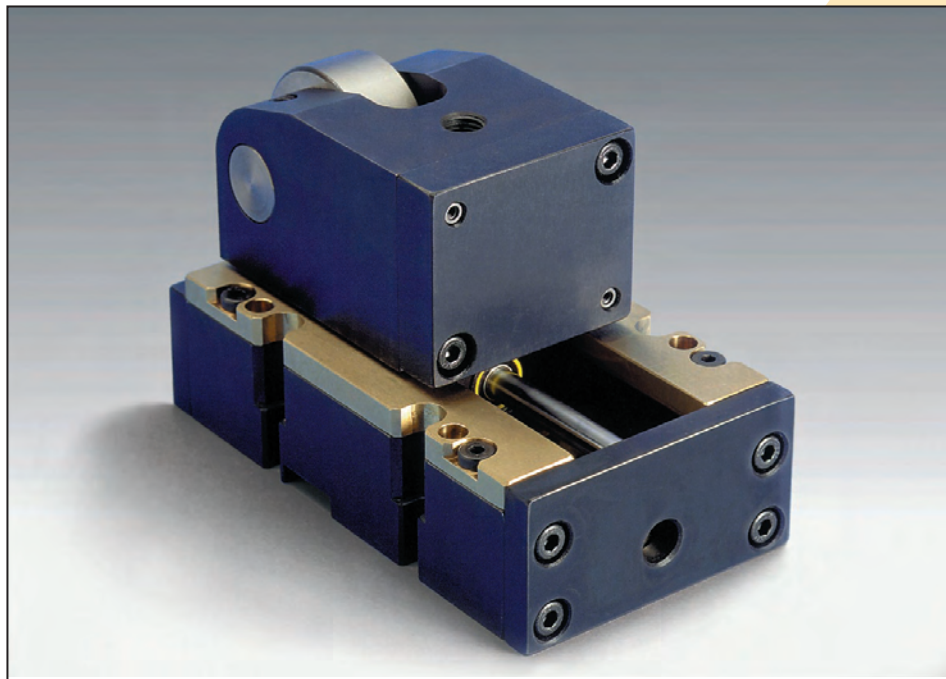


Roller Cam Unit



Typical Applications:

- Piercing, metal trimming, and flanging.

Product Features:

- Available in two maximum piercing forces: 30,000 N (3.37 Ton) and 50,000 N (5.6 Ton). Both offered in stroke lengths of 50 mm (1.97 in.) and 80 mm (3.15 in.). 50,000 N (5.6 Ton) model also available in 100 mm (3.94 in.) stroke.
- Can be mounted at any angle. 50° minimum angle required between driver and direction of motion of cam.
- Self-lubricating slide bearing requiring no maintenance.
- Return stroke powered by nitrogen gas spring. Approximately 2000 N (.22 Ton) return force.
- Compact size compared to piercing units powered by mechanical springs.
- Roller bearing transfers force from driver to cam.

Selection and Installation Guidelines:

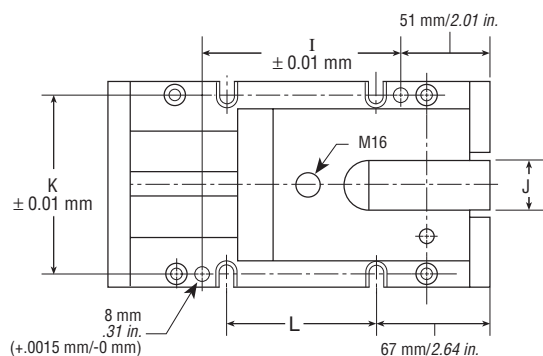
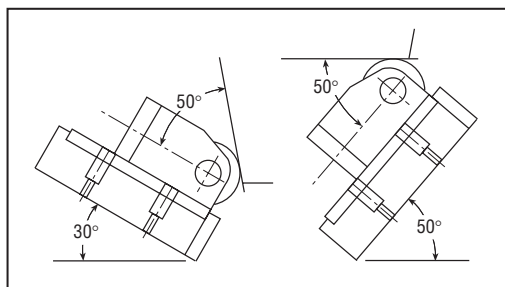
- When calculating cam force requirements, take into account change in piercing force as a result of punch wear and fluctuation in material thickness.
- When piercing forces are close to maximum catalog ratings, choose next larger size cam.
- Cam positioned with key or two dowel pins.
- Cam bolted to the tool with 4-M8 screws accessible from both side and top of unit.
- Retainer mounting surface allows easy machining of mounting and dowel holes.
- Manufactured driver supplied by user.
- Driver's contact surface should be hardened.
- Custom cam driver can be designed to achieve timing requirements and reduce contact noise.
- Cam must be used in conjunction with stripper springs.

Hyson™ Products
Associated Spring 

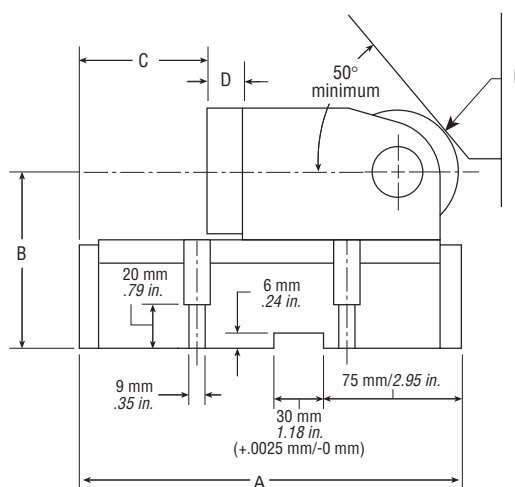
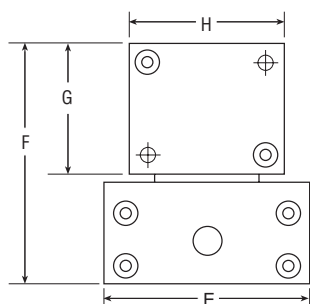




Roller Cam Unit



* Maximum allowed width for the driver is 35 mm/1.38 in.



Model	Force	Stroke	A	B	C	D	E	F	G	H	I	J	K	L	R	
RC-30 X 50 mm	30,000 N	mm	50	190	86	43	20	94	117	63	63	88	24	79	56	31
	3.37 Tons	in.	1.97	7.48	3.39	1.69	.79	3.70	4.61	2.48	2.48	3.46	.94	3.11	2.20	1.22
RC-30 X 80 mm	30,000 N	mm	80	220	86	73	20	94	117	63	63	118	24	79	86	31
	3.37 Tons	in.	3.15	8.66	3.39	2.87	.79	3.70	4.61	2.48	2.48	4.65	.94	3.11	3.39	1.22

Model	Force	Stroke	A	B	C	D	E	F	G	H	I	J	K	L	R	
RC-50 X 50 mm	50,000 N	mm	50	190	103	43	20	120	140	74	90	88	28	105	56	36
	5.62 Tons	in.	1.97	7.48	4.06	1.69	.79	4.72	5.51	2.91	3.54	3.46	1.10	4.13	2.20	1.42
RC-50 X 80 mm	50,000 N	mm	80	220	103	73	20	120	140	74	90	118	28	105	86	36
	5.62 Tons	in.	3.15	8.66	4.06	2.87	.79	4.72	5.51	2.91	3.54	4.65	1.10	4.13	3.39	1.42
RC-50 X 100 mm	50,000 N	mm	100	260	120	103	30	120	157	74	90	158	28	105	126	36
	5.62 Tons	in.	3.94	10.24	4.72	4.06	1.18	4.72	6.18	2.91	3.54	6.22	1.10	4.13	4.96	1.42

NOTE: Dimensions are subject to change without notice. All dimensions are nominal unless tolerance is stated.