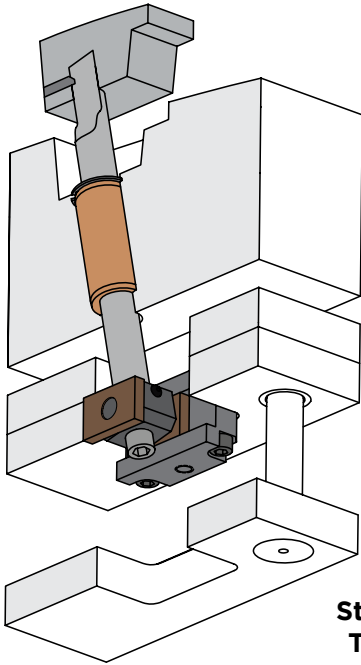


MODULIFTER[®]

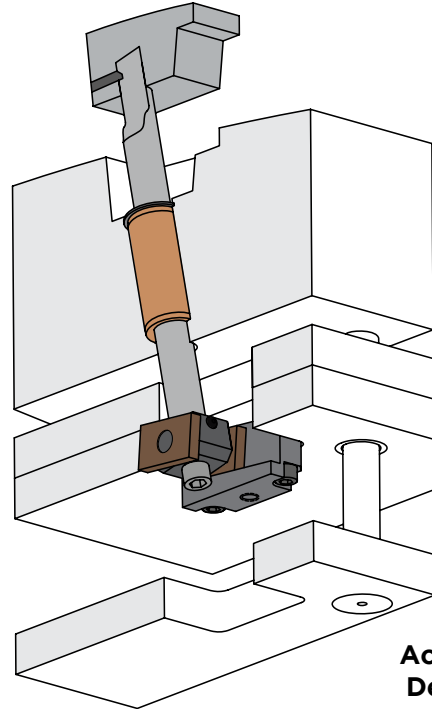
UNDERCUT RELEASE SYSTEM

A standardized modular lifter assembly simplifies undercut release:

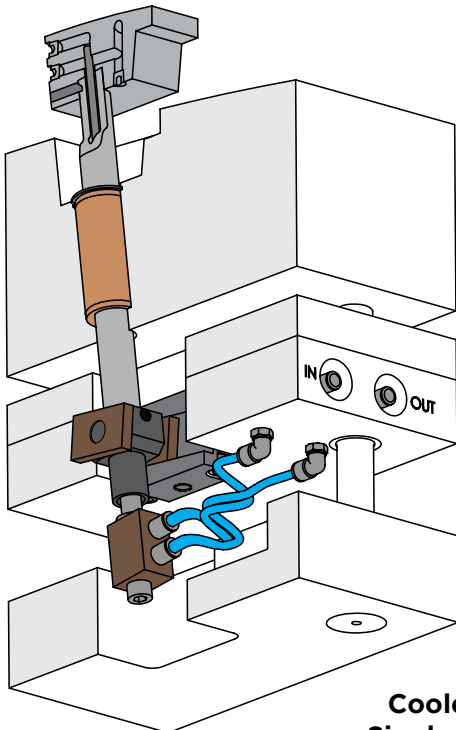
- Specialized design for accelerated and decelerated applications.
- Additional lifter cooling options and components available.



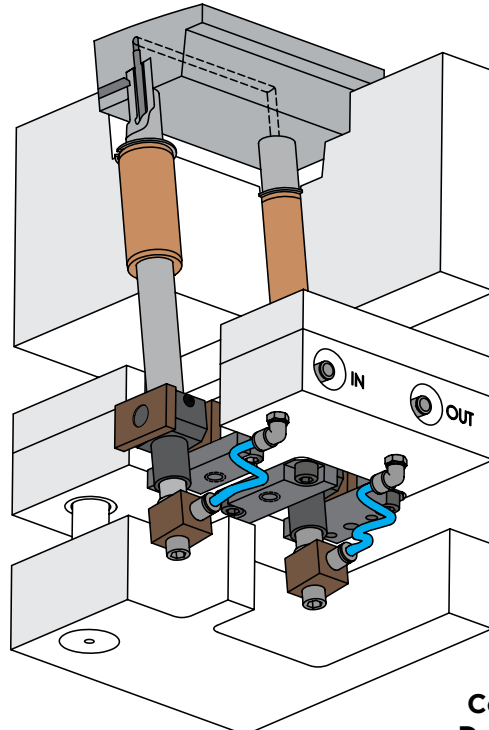
**Straight
Travel**



**Accelerated/
Decelerated
Options**

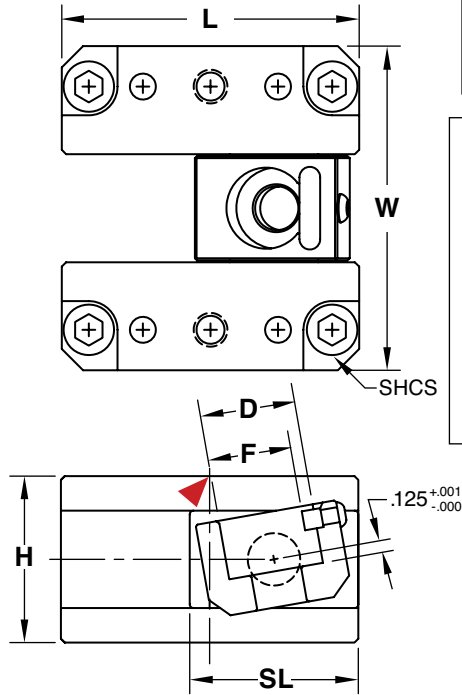
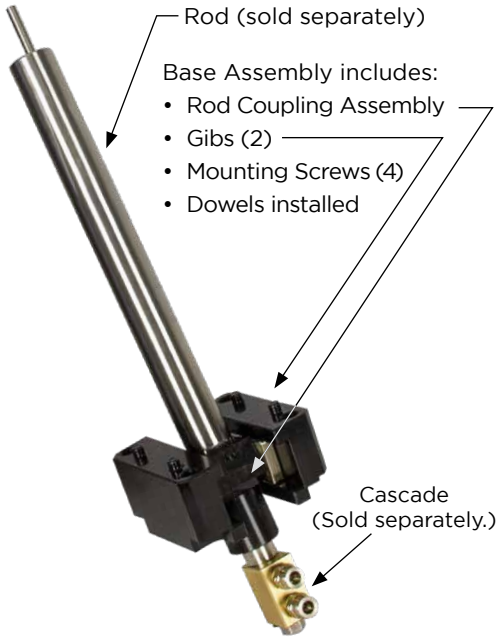


**Cooled:
Single Rod
In/Out**



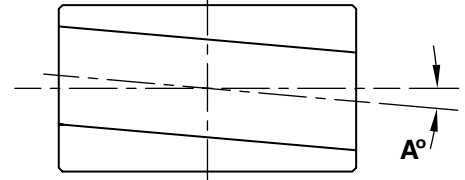
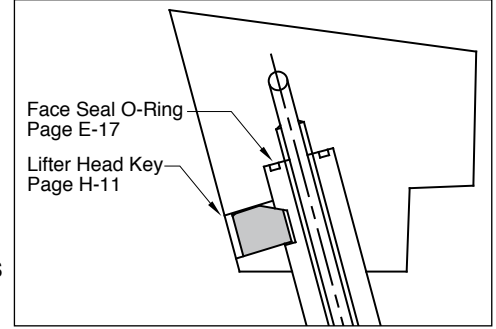
**Cooled:
Dual Rod
In/Out**

MODULIFTER®
COOLED ASSEMBLY



APPLICATION GUIDELINES

- The ModuLifter Cooling Base Assemblies have three (3) options for varying water connections.
- Additional accessories are shown below.



COOLED BASE ASSEMBLY

Gibs/Coupling: **M** 1045 **H** 28-32 HRC **S** Nitride

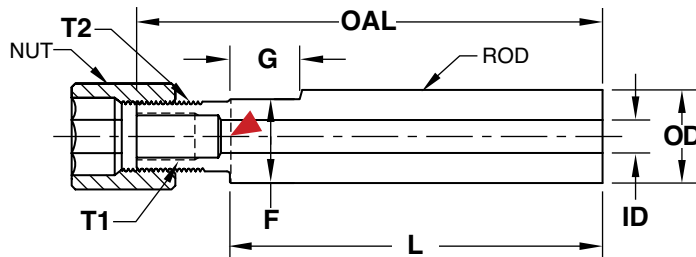
Slides: **M** C86300 Bronze

▶ CAD insertion point

NOMINAL ROD DIAMETER	CATALOG NUMBER			L +.000 -.015	W +.000 -.002	H +.000 -.001	D +.0003 -.0000	F +.0015 -.0000	SHCS	SL	TRAVEL (L-SL)
	A=0°	A=5°	A=10°								
5/8	MLCBA063	MLCBA063-5	MLCBA063-10	2.625	2.500	1.375	.6253	.5905	1/4-20 x 1-1/2	1.57	1.06
3/4	MLCBA075	MLCBA075-5	MLCBA075-10	2.750	3.000	1.750	.7503	.6905	5/16-18 x 2	1.57	1.18
1	MLCBA100	MLCBA100-5	MLCBA100-10	3.125	3.250	1.750	1.0003	.8755	5/16-18 x 2	1.77	1.35
1-1/2	MLCBA150	MLCBA150-5	MLCBA150-10	4.750	4.250	2.500	1.5003	1.4005	3/8-16 x 2-3/4	3.15	1.60

Includes (4) Socket Head Cap Screws and (4) Dowels.

COOLED LIFTER ROD



M 1045 **H** Core: 28-32 HRC, Surface: 56-58 HRC

▶ CAD insertion point

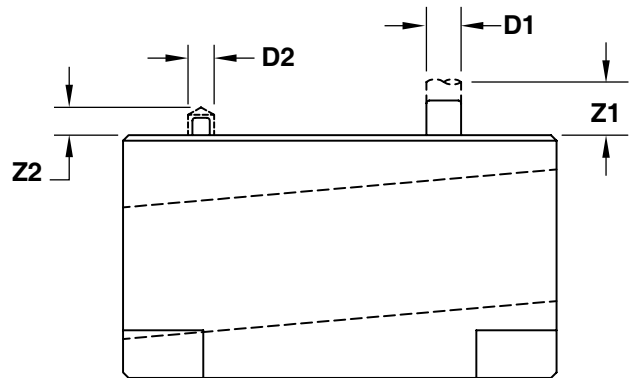
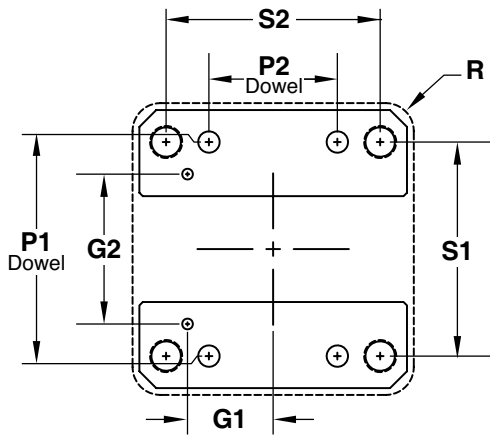
OD +.0000 -.0003	CATALOG NUMBER	ID	OAL	L +.13 -.00	T1 INTERNAL THREAD	T2 EXTERNAL THREAD	G +.03 -.00	F +.000 -.001
.625	MLCR063L14	.250	14.75	14	5/16-24	1/2-20	.56	.590
.750	MLCR075L16	.250	16.88	16	5/16-24	1/2-20	.68	.690
1.000	MLCR100L16	.375	17.00	16	1/2-20	3/4-20	.75	.875
1.500	MLCR150L18	.375	19.38	18	1/2-20	7/8-20	1.00	1.400

APPLICATION GUIDELINES

- Includes (1) Installation Nut. Replacement nuts are available.
- For additional Cooled Lifter Rod lengths, contact tech@procomps.com.

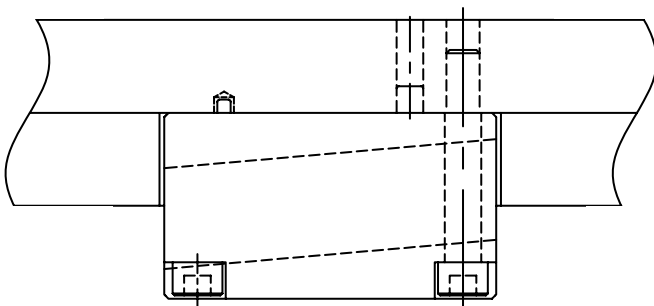


MODULIFTER® INSTALLATION GUIDELINES FOR BASE ASSEMBLIES

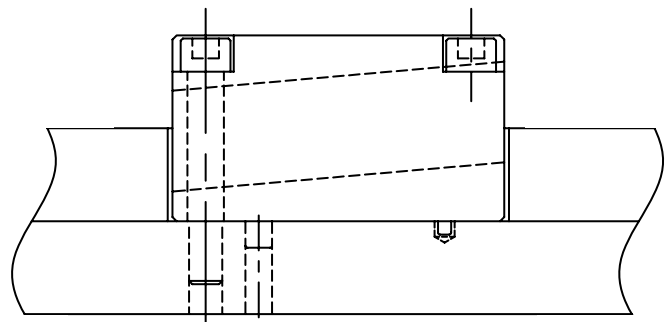


INSTALLATION DIMENSIONS							ACCEL./DECEL. KEYING DOWEL				
NOMINAL ROD DIAMETER	S1 ± .01	S2 ± .01	P1 DOWEL ±.0005	P2 DOWEL ±.0005	R POCKET MAX	D1 +.0005 -.0000	Z1 +.03 -.00	G1 ± .005	G2 ± .005	D2 DRILL DIA.	Z2 DRILL DEPTH +.03/-0.00
1/2	1.75	1.75	1.750	.750	.19	.2500	.28	.75	1.00	.125	.19
5/8	2.00	2.00	2.000	1.000							
3/4	2.25	2.25	2.250	1.250							
1	2.50	2.50	2.500	1.500							
1-1/2	3.50	4.00	3.500	2.500	.25	.3750	.41	1.50	2.50	.188	.23

INSTALLATION METHODS



Bottom Mount



Top Mount