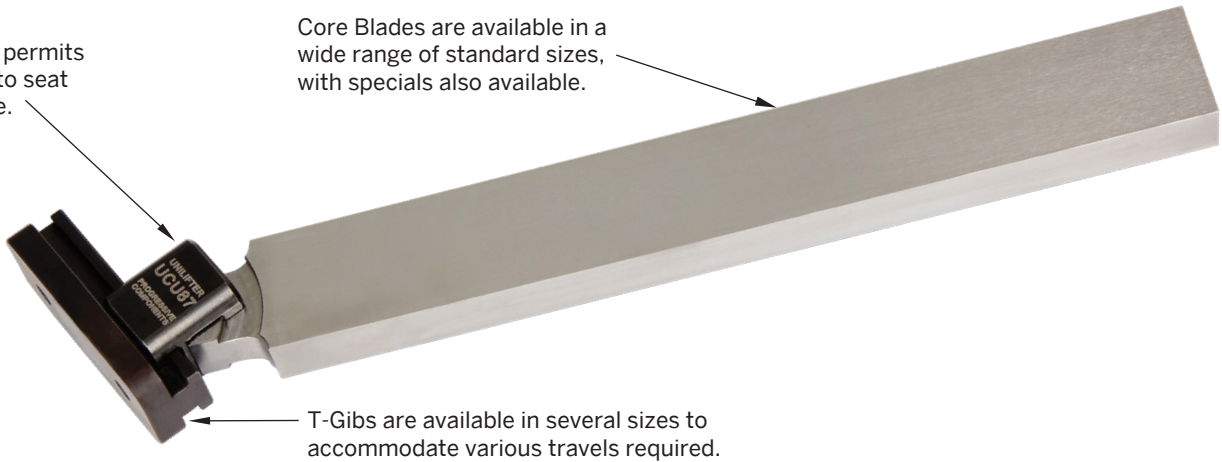




# UNILIFTER® UNDERCUT RELEASE SYSTEM

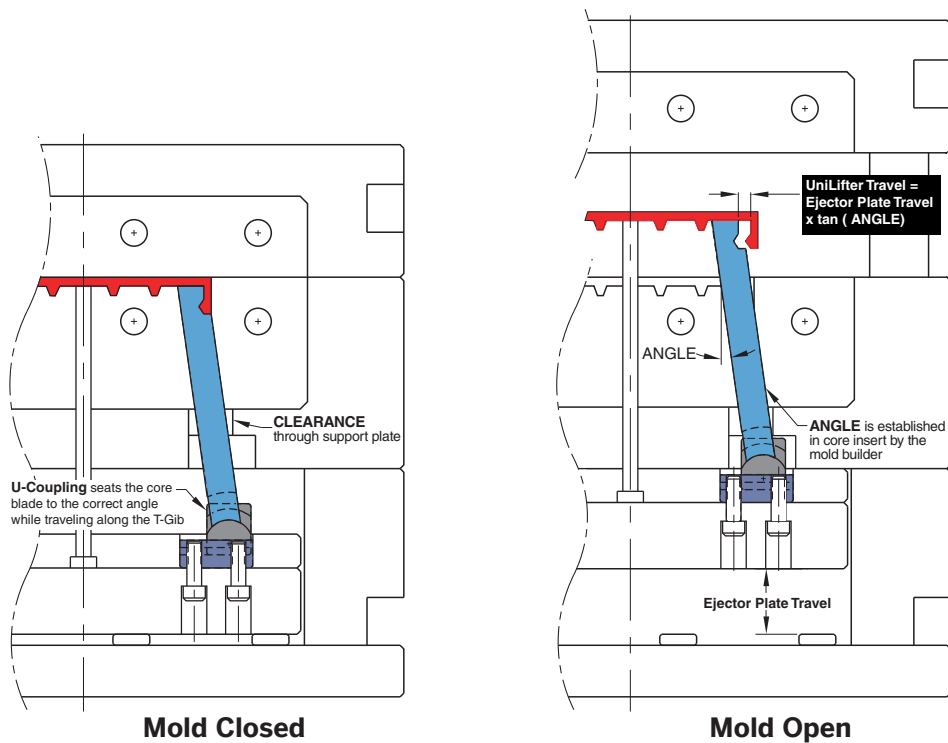
U-Coupling permits core blade to seat at any angle.

Core Blades are available in a wide range of standard sizes, with specials also available.



T-Gibs are available in several sizes to accommodate various travels required.

The UniLifter undercut release system incorporates a three piece set: Core Blade, U-Coupling, and T-Gib.

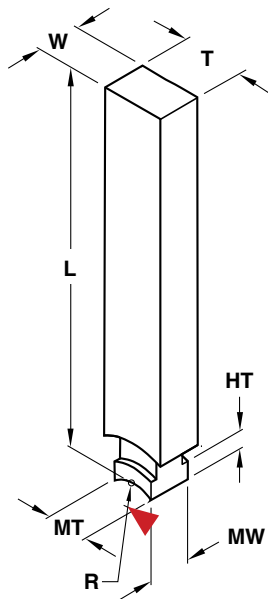


### Application Guidelines:

- Typical angle is 5-10°, though users report success at greater angles with guides installed. Contact Engineering for application review.
- Guided Ejection is recommended, and if there is less than half of the Core Blade bearing in the insert, lifter guide plates should be added.
- Recommended clearance is .001"-.0015" (.025-.038 mm) where permissible.
- Core insert material should be at least 10 HRC higher in hardness than the Core Blade, and for maximum longevity consider coatings or treatments for increased lubricity or hardness.
- Locking angles can be designed to accept molding pressure, and non-standard sizes or pre-roughed Core Blades can be provided by accessing [www.procomps.com](http://www.procomps.com).



# UNILIFTER® SERIES



▶ CAD insertion point

The UniLifter Series (MW=.500) is also available in aluminum bronze in 14" and 18" lengths only. To order, replace "CBS" with "CBA" in the catalog number as shown: CBA50X50L14.

**M** H-13 **H** 38-42 HRC

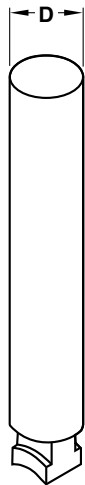
## Flat Core Blades - Inch Standard

MW	R	HT	CATALOG NUMBER	T +.000 -.001	W +.000 -.001	L +.06 -.00	MT MIN. THK.
.500	.406	.187	CBS50X50L8	.510	.510	8	.49
			CBS50X50L14	.510	.510	14	.49
			CBS50X100L8	.510	1.010	8	.49
			CBS50X100L14	.510	1.010	14	.49
			CBS50X150L14	.510	1.510	14	.49
			CBS75X50L14	.760	.510	14	.62
			CBS75X150L8	.760	1.510	8	.62
			CBS75X150L14	.760	1.510	14	.62
			CBS100X50L8	1.010	.510	8	.62
			CBS100X50L14	1.010	.510	14	.62
			CBS150X50L8	1.510	.510	8	.62
			CBS150X50L14	1.510	.510	14	.62
			CBS150X75L8	1.510	.760	8	.62
			CBS150X75L14	1.510	.760	14	.62

**M** H-13 **H** 38-42 HRC

## Flat Core Blades - Metric Standard

MW	R	HT	CATALOG NUMBER	T +.000 -.025	W +.000 -.025	L +2 -0	MT MIN. THK.
10	10	5	CBMM10X10L250	10.25	10.25	250	10.0
			CBMM10X20L250	10.25	20.25	250	10.0
			CBMM15X15L250	15.25	15.25	250	15.0
			CBMM15X30L400	15.25	30.25	400	15.0
			CBMM20X10L250	20.25	10.25	250	15.0
			CBMM20X20L400	20.25	20.25	400	15.0
CBMM30X15L400	30.25	15.25	400	15.0			



**M** H-13 **H** 38-42 HRC

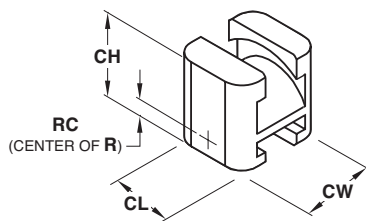
## Round Core Blades - Inch Standard

MW	R	HT	CATALOG NUMBER	D +.000 -.001	L +.06 -.00	MT MIN. THK.
.500	.406	.187	CBS75DL8	.750	8	.62
			CBS75DL14	.750	14	.62
			CBS75DL18	.750	18	.62

**M** H-13 **H** 38-42 HRC

## Round Core Blades - Metric Standard

MW	R	HT	CATALOG NUMBER	D +.000 -.025	L +2 -0	MT MIN. THK.
10	10	5	CBMM10DL250	10.00	250	10.0
			CBMM15DL250	15.00	250	10.0



**M** H-13 **H** Salt Bath Nitride

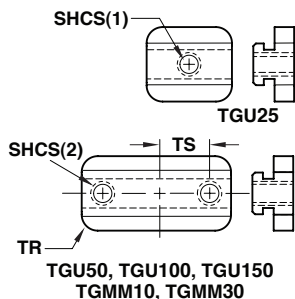
## U-Couplings - Inch Standard

R	RC	CATALOG NUMBER	CW	CL	CH
.406	.187	UCU87	.87	.75	.87

**M** H-13 **H** Salt Bath Nitride

## U-Couplings - Metric Standard

R	RC	CATALOG NUMBER	CW	CL	CH
10	6	UCMM22	22	18	25



**M** H-13 **H** 28-32 **S** Salt Bath Nitride

## T-Gibs - Inch Standard

TW +.000 -.001	TH +.010 -.000	TD* +.010 -.000	TR	SHCS (INCLUDED)	CATALOG NUMBER	TS	TL +.000 -.010	TRAVEL ALLOWED
.875	.468	.219	.187	1/4-20x3/4	TGU25	-	1.00	.250
					TGU50	.375	1.25	.500
					TGU100	.625	1.75	1.000
					TGU150	.750	2.25	1.500

**M** H-13 **H** 28-32 **S** Salt Bath Nitride

## T-Gibs - Metric Standard

TW +.000 -.025	TH +.25 -.00	TD* +.25 -.00	TR	SHCS (INCLUDED)	CATALOG NUMBER	TS	TL +.00 -.25	TRAVEL ALLOWED
22	13	6	5	M5-0.8 x 20	TGMM10	10	33	15
					TGMM30	15	52	34

\*TD Includes fitting stock for final adjustments.

For core blades in different materials or mold-ready sizes refer to templates in section X.