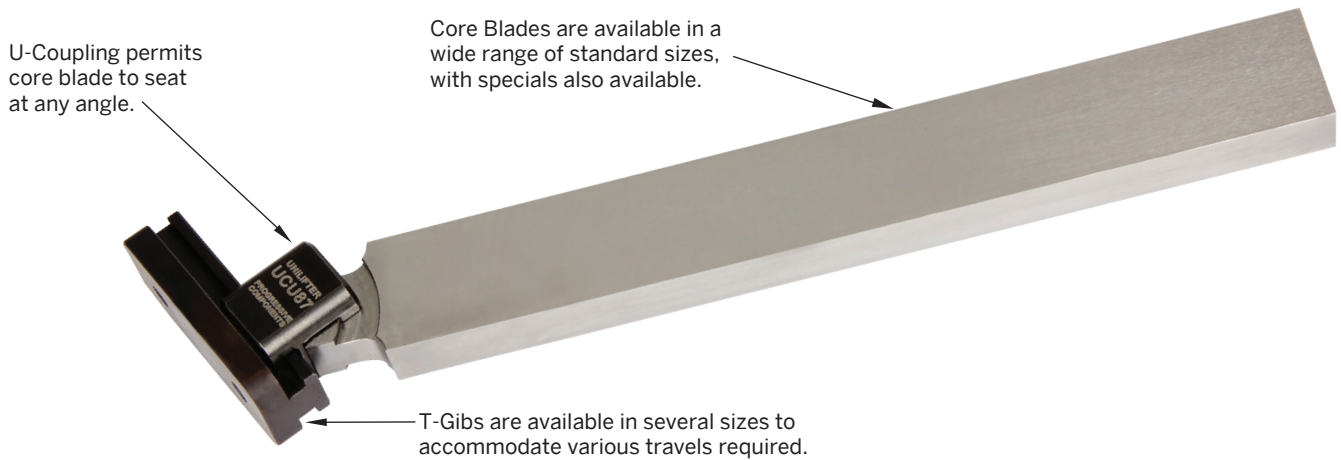
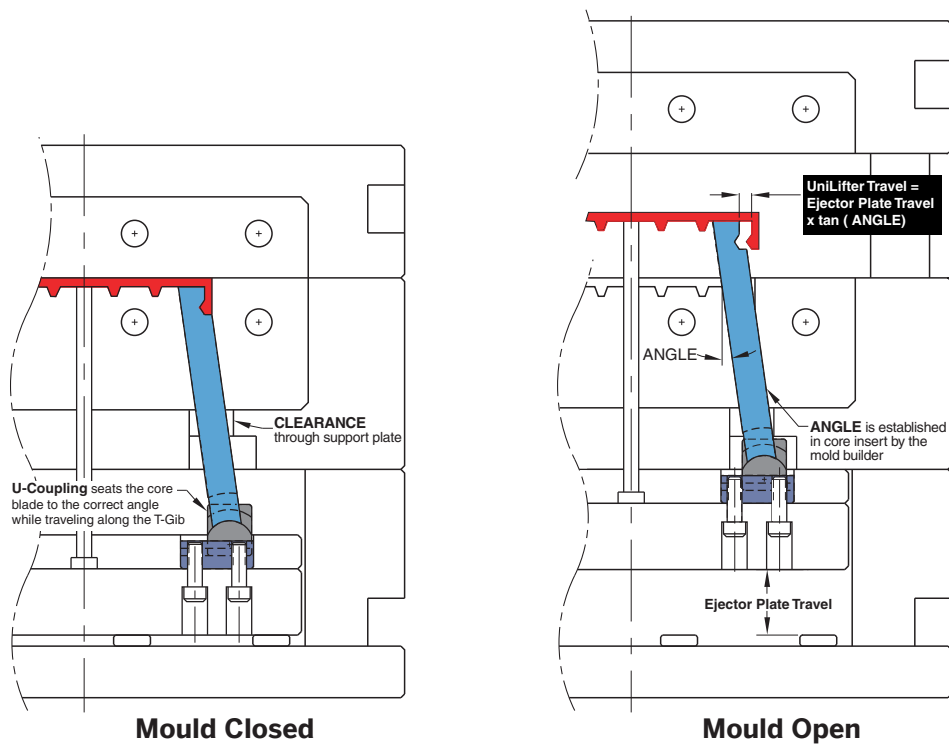




UNILIFTER® UNDERCUT RELEASE SYSTEM



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 procomps.com.

MINILIFTER® SERIES

Flat Core Blades - Inch Standard

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

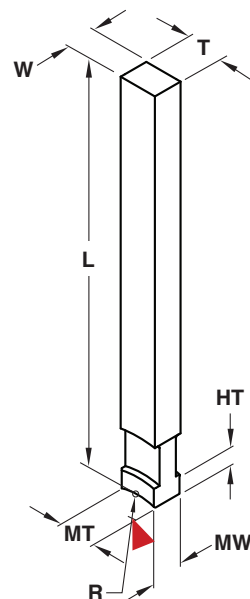
MW	R	HT	CATALOGUE NUMBER	T +.000 -.001	W +.000 -.001	L +.06 -.00	MT MIN. THK.
.250	.250	.156	CBS37X25L8	.385	.260	8	.25
			CBS50X25L8	.510	.260	8	.31
			CBS75X37L8	.760	.385	8	.31

Flat Core Blades - Metric Standard

M H-13 **H** 48-50 HRC
M DC53 **H** 58-60 HRC

MW	R	HT	H-13 MATERIAL CATALOGUE NUMBER	DC53 MATERIAL CATALOGUE NUMBER	T -.005 -.015	W -.005 -.015	L +2 +1	MT MIN. THK.
6	12	4	CBMMH6X6L200	CBMMP6X6L200	6.00	6.00	200	6
			CBMMH6X10L200	CBMMP6X10L200	6.00	10.00		
			CBMMH8X6L200	CBMMP8X6L200	8.00	6.00		
			CBMMH8X8L200	CBMMP8X8L200	8.00	8.00		
			CBMMH10X8L200	CBMMP10X8L200	10.00	8.00		

CAD insertion point



Round Core Blades - Inch Standard

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

MW	R	HT	CATALOGUE NUMBER	D +.000 -.001	L +.06 -.00	MT MIN. THK.
.250	.250	.156	CBS43DL8	.437	8	.31

Round Core Blades - Metric Standard

M H-13 **H** 48-50 HRC
M DC53 **H** 58-60 HRC

MW	R	HT	H-13 MATERIAL CATALOGUE NUMBER	DC53 MATERIAL CATALOGUE NUMBER	D -.005 -.014	L +2 -0	MT MIN. THK.
6	12	4	CBMMH8DL200	CBMMP8DL200	8.00	200	6



U-Couplings - Inch Standard

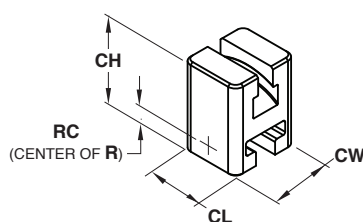
M H-13 **S** Salt Bath Nitride

R	RC	CATALOGUE NUMBER	CW	CL	CH
.250	.125	UCM50	.50	.44	.62

U-Coupling - Metric Standard

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

R	RC	CATALOGUE NUMBER	CW	CL	CH
12	2	UCMM16	16	14	21



T-Gibs - Inch Standard

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

TW +.000 -.001	TH +.010 -.000	TD* +.010 -.000	TR	SHCS (INCLUDED)	CATALOGUE NUMBER	TS	TL +.000 -.010	TRAVEL ALLOWED
.500	.500	.344	.093	#10-32x1	TGM31	-	.750	.312
					TGM100	.500	1.50	1.000

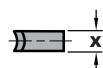
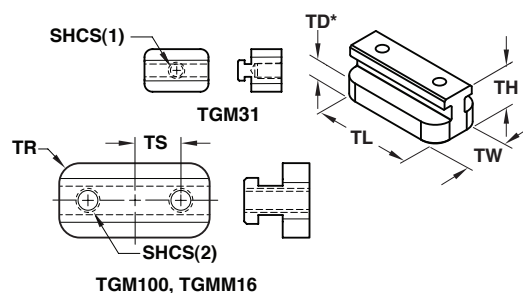
*TD Includes fitting stock for final adjustments.

T-Gib - Metric Standard

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

TW +.00 -.05	TH +.25 -.00	TD* +.25 -.00	TR	SHCS (INCLUDED)	CATALOGUE NUMBER	TS	TL +.00 -.10	TRAVEL ALLOWED
16	13	6	2.5	M4-.7x20	TGMM16	10	33	18

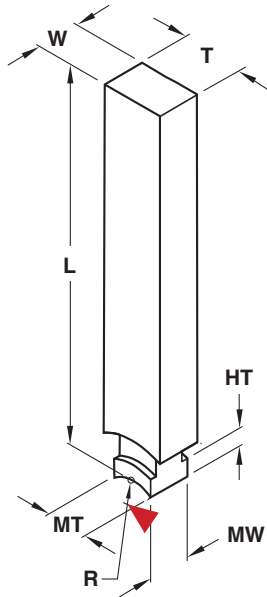
*TD Includes fitting stock for final adjustments.



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



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 catalogue number as shown: CBA50X50L14.

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

Flat Core Blades - Inch Standard

MW	R	HT	CATALOGUE 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	CATALOGUE 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

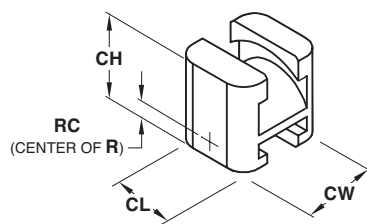
Round Core Blades - Inch Standard

MW	R	HT	CATALOGUE 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	CATALOGUE 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 **S** Salt Bath Nitride

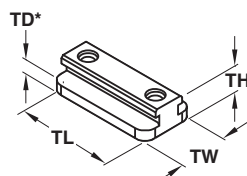
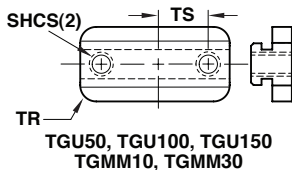
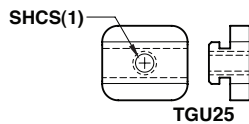
U-Couplings - Inch Standard

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

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

U-Couplings - Metric Standard

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



*TD Includes fitting stock for final adjustments.

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

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)	CATALOGUE 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)	CATALOGUE NUMBER	TS	TL +.00 -.25	TRAVEL ALLOWED
22	13	6	5	M-5x20	TGMM10	10	33	10
					TGMM30	15	52	30

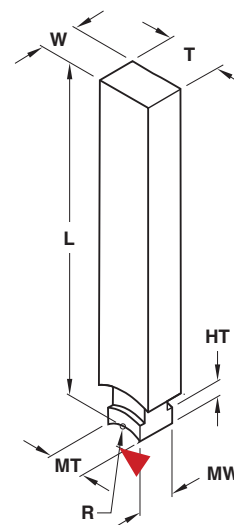
UNILIFTER® XL SERIES

Flat Core Blades - Inch Standard

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

MW	R	HT	CATALOGUE NUMBER	T +.000 -.001	W +.000 -.001	L +.06 -.00	MT MIN. THK.
1.000	.875	.375	CBS100X100L10	1.010	1.010	10	1.00
			CBS100X100L18	1.010	1.010	18	1.00
			CBS100X150L10	1.010	1.510	10	1.00
			CBS100X150L18	1.010	1.510	18	1.00
			CBS150X100L10	1.510	1.010	10	1.00
			CBS150X100L18	1.510	1.010	18	1.00

▶ CAD insertion point



Round Core Blades - Inch Standard

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

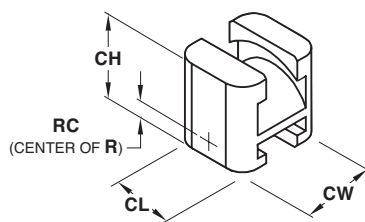
MW	R	HT	CATALOGUE NUMBER	D +.000 -.001	L +.06 -.00	MT MIN. THK.
1.000	.875	.375	CBS125DL10	1.250	10	1.00
			CBS125DL18	1.250	18	1.00



U-Couplings - Inch Standard

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

R	RC	CATALOGUE NUMBER	CW	CL	CH
.875	.125	UCX175	1.75	1.50	1.65

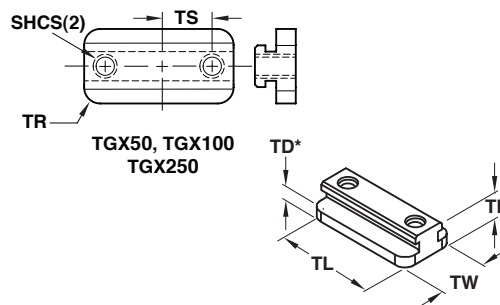


T-Gibs - Inch Standard

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

TW +.000 -.001	TH +.010 -.000	TD* +.010 -.000	TR	SHCS (INCLUDED)	CATALOGUE NUMBER	TS +.000 -.010	TL +.000 -.010	TRAVEL ALLOWED
1.750	.615	.250	.312	3/8-16x1-1/4	TGX50	.625	2.00	.500
					TGX100	.875	2.50	1.000
					TGX250	1.375	4.00	2.500

*TD Includes fitting stock for final adjustments.



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