MOULD CONCEPTS
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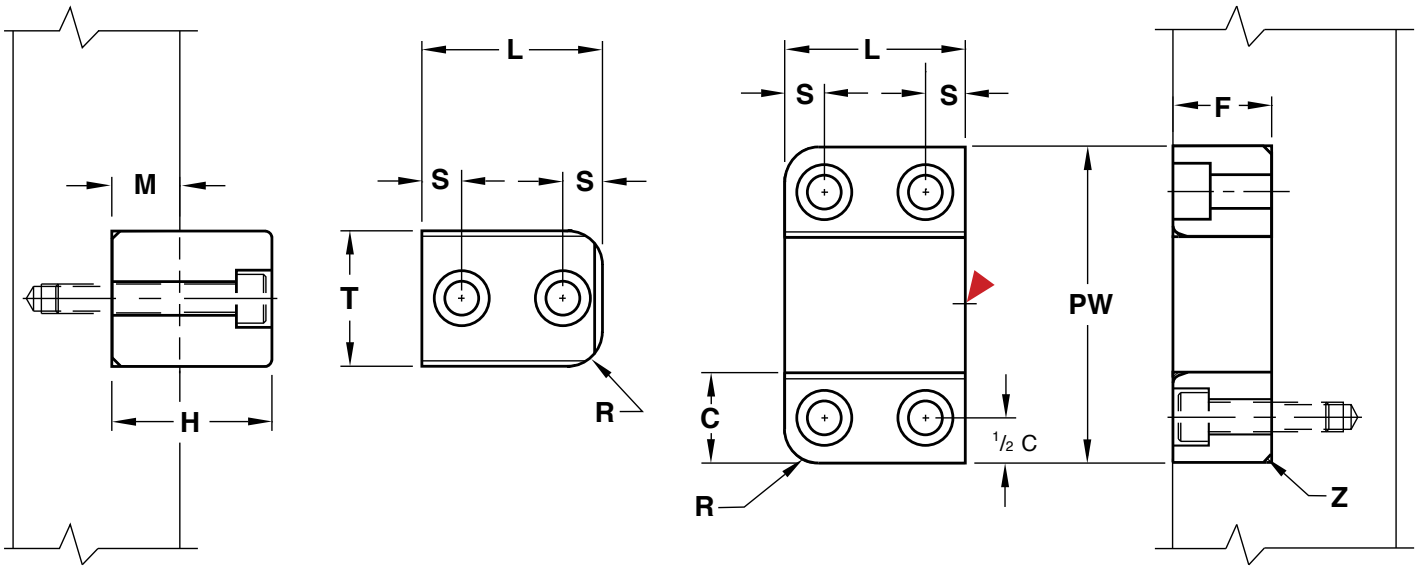
# GUIDE LOCKS
## Z-SERIES




### Inch Standard

Females (2): **M** D-2 **H** Core: 58-62 HRC, Surface: 80 HRC **S** Titanium Nitride Coated

Male: **M** H-13 **H** Core: 42-48 HRC, Surface: 70 HRC **S** Black Nitride

▶ CAD insertion point

| CATALOG NUMBER | L +.000 -.010 | PW +.0003 +.0006 | C +.0000 -.0003 | F +.000 -.005 | T +.0000 -.0003 | M | H +.00 -.01 | S ±.01 | R POCKET RADIUS | Z | SHCS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GL100X150** | 1.000 | 1.500 | .500 | .500 | .500 | .375 | .85 | .25 | .187 | .03 | M: #10-32 x 1 | F: #10-32 x 5/8 |
| **GL150X250** | 1.500 | 2.500 | .750 | .750 | 1.000 | .625 | 1.35 | .31 | .250 | .06 | M: 1/4-20 x 1-1/2 | F: 1/4-20 x 7/8 |
| **GL200X350** | 2.000 | 3.500 | 1.000 | 1.000 | 1.500 | .750 | 1.73 | .44 | .375 | .06 | M: 3/8-16 x 2 | F: 3/8-16 x 1-1/4 |
| **GL250X450** | 2.500 | 4.500 | 1.250 | 1.250 | 2.000 | .875 | 2.11 | .56 | .500 | .09 | M: 1/2-13 x 2-1/4 | F: 1/2-13 x 1-1/2 |

Screws included.

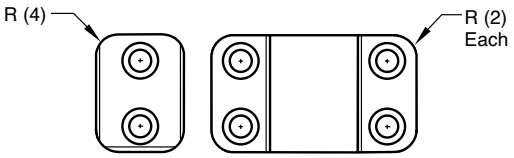
### Metric Standard

| CATALOG NUMBER | L +.00 -.25 | PW +.008 +.015 | C +.00 -.01 | F +.00 -.12 | T +.00 -.01 | M | H +.0 -.2 | S ±.25 | R POCKET RADIUS | Z | SHCS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GLM25X45** | 25 | 45 | 15 | 15 | 15 | 10 | 24 | 7 | 4 | 1 | M: M4 x 25 | F: M4 x 14 |
| **GLM40X65** | 40 | 65 | 20 | 20 | 25 | 15 | 34 | 10 | 9 | 1.5 | M: M5 x 35 | F: M5 x 22 |
| **GLM50X90** | 50 | 90 | 25 | 25 | 40 | 20 | 44 | 10 | 9 | 1.5 | M: M6 x 45 | F: M6 x 30 |

Screws included.

### ALTERNATIVE CONFIGURATIONS AVAILABLE

- To order Guide Locks with dual radii for mounting internally, specify the catalog number followed by "-R". Ex. GL200X350-R.
- Made-to-order Guide Locks can be quoted using the templates at procomps.com.






PROGRESSIVE COMPONENTS

US Patent No. 8,821,144 and others pending.

# SIDE/TOP/GUIDE LOCK SELECTION GUIDE

Refer to the chart below to match the correct alignment lock for the corresponding mold size and weight of the B-Side and press platen, using four locks per mold. Clean and lubricate lock every 100,000 cycles, and prevent corrosion during mold storage.

| RECOMMENDED MAX MOLD SIZE (LXWXH) | SIDE LOCKS | METRIC SIDE LOCKS | GUIDE LOCKS | TOP LOCKS | TOTAL MAX WEIGHT B SIDE + PRESS PLATEN (LBS/KG) |
|---|---|---|---|---|---|
| **RTI AND MOLDS 8 X 8 X 8 AND SMALLER** | SL37X100, SL50X125 SL50X150, SL50X200 SLS62X150, SLS62X200 SLR50X125,SLR50X150 | SLM16X50, SLPM16X20 SLPM16X40, SLPM20X25 SLPM20X50, SLMS13X38 SLMS16X50 | GL100X150 GLM25X45 | TL75X75, TLM20X20 TL50X100, TL62X125 TL75X125, TLM26X35 TLR87X150 | 2,000 / 900 |
| **11 X 16 X 10** | SL50X125, SL50X150 SL50X200,SLS62X150 SLS62x200, SLS75X300 SLS75X400, SLR50X150 SLR50X200 | SLM16X50, SLMS19X75 SLPM25X32, SLPM25X63 SLPM32X40, SLPM32X80 SLPM40X50, SLPM40X100 SLMS19X100 | GL100X150 GL150X250 GLM25X45 | TL62X125, TL75X125 TL100X100, TLM25X25 TLM26X35 TLR87X150, TLR112X200 | 5,000 / 2,300 |
| **16 X 24 X 16** | SL50X150, SL50X200 SL75X300, SLS112X500 SLS75X300, SLS75X400 SLR75X300, SLR100X400 | SLM19X75, SLM19X100 SLMS25X125 SLPM50X56, SLPM50X112 SLRM32X63 SLRM40X100 | GL150X250 GLM40X65 | TL75X125, TL87X150 TL137X137, TLM32X32 TLM26X35, TLM30X45 TLR112X200 TLR150X250 | 7,000 / 3,200 |
| **28 X 34 X 24** | SL75X300, SLS112X500 | SLM19X75, SLM19X100 | GL200X350 GL150X250 GLM40X65 | TL100X150, TL100X200 TL112X200, TL112X300 TLM26X35, TLM30X45 | 10,000 / 4,500 |
| **32 X 40 X 28** | SL100X400 | SLM25X125 | GL200X350 GLM40X65 | TL112X200, TL112X300 TLM36X55, TLM36X75 | 15,000 / 6,800 |
| **42 X 48 X 34** | SL125X500 | | GL250X450 GLM50X90 | TL150X250, TL175X300 TLM36X55, TLM36X75 | 20,000 / 9,000 |
| **48 X 52 X 38** | SL150X600 | | GL250X450 | TL175X300, TL200X350 TLM45X100 | 26,000 / 11,800 |

# BAR LOCK SELECTION GUIDE

| MALE BAR CATALOG NUMBER | GUIDE CATALOG NUMBER | BAR LOCK ENGAGEMENT | TOTAL MAX WEIGHT SUPPORTED (LBS/KG) |
|---|---|---|---|
| BLB100L4 | BLG100L1.3, BLG100L1.8 BLG100L2.3, BLG100L2.8 | 2.50 | 10,000 / 4,500 |
| BLBX137L5 | BLGT137L1.3, BLGT137L1.8 | 3.00 | |
| BLB100L6 | BLG100L1.3, BLG100L1.8 BLG100L2.3, BLG100L2.8 | 4.50 | |
| BLBT137L6 | BLGT137L1.3, BLGT137L1.8 | | |
| BLBM25L125 | BLGM25L27, BLGM25L36 | 89mm | |
| BLB125L5 | BLG125L1.3, BLG125L1.8 BLG125L2.3, BLG125L2.8 | 3.00 | 15,000 / 6,800 |
| BLBX162L6 | BLGT162L1.3, BLGT162L2.3 | 3.50 | |
| BLB125L9 | BLG125L1.3, BLG125L1.8 BLG125L2.3, BLG125L2.8 | 7.00 | |
| BLBT162L9 | BLGT162L1.3, BLGT162L2.3 | | |
| BLBM32L160 | BLGM32L36, BLGM32L46 | 114mm | |
| BLB137L6 | BLG137L1.8, BLG137L2.3 BLG137L2.8, BLG137L3.3, BLG137L3.8 | 3.50 | 20,000 / 9,000 |
| BLBX200L7 | BLGT200L1.8 & BLGT200L2.8 | 4.50 | |
| BLB137L11 | BLG137L1.8, BLG137L2.3 BLG137L2.8, BLG137L3.3, BLG137L3.8 | 8.50 | |
| BLBT200L11 | BLGT200L1.8 & BLGT200L2.8 | | |
| BLBM38L250 | BLGM38L46, BLGM38L76 | 194 mm | 26,000 / 11,800 |
| BLB150L8 | BLG150L1.8, BLG150L2.3 BLG150L2.8, BLG150L3.3, BLG150L3.8 | 4.50 | |
| BLB150L16 | | 12.50 | |
| BLN150L8 | BLG150L1.8, BLG150L2.3 BLG150L2.8, BLG150L3.3, BLG150L3.8 | 3.75 | |
| BLN250L10 | BLG250L4.3 | 5.00 | 50,000 / 22,500 |
| BLN350L13 | BLG350L4.8 | 6.00 | 75,000 / 34,000 |

US Patent No. 8,821,144 and others pending.