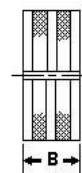
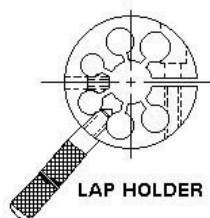
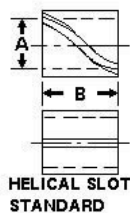


External Laps & Lap Holders

External Laps should be shorter than the length of the part being lapped. When lapping a cylindrical part with lands, the external lap should be long enough to span as many lands as possible to prevent rolling edges. Standard external laps are manufactured slightly over size to allow for clearance and can be tightened to the appropriate diameter with the external lap holder.

SPECIAL SIZE EXTERNAL LAPS AND HOLDERS CAN BE MADE TO SUIT YOUR APPLICATION.



| PART # | A LAP SIZE | B LENGTH | HOLDER NO. |
|------------|---------------|-------------|------------|
| *3/64 SELS | 3/64 | 3/8 | 0SLHS |
| *3/64 SELM | 3/64 | 1/2 | 0SLHM |
| *3/64 SELL | 3/64 | 1 | 0SLHL |
| *1/16 SELS | 1/16 | 3/8 | 0SLHS |
| *1/16 SELM | 1/16 | 1/2 | 0SLHM |
| *1/16 SELL | 1/16 | 1 | 0SLHL |
| *5/64 SELS | 5/64 | 3/8 | 0SLHS |
| *5/64 SELM | 5/64 | 1/2 | 0SLHM |
| *5/64 SELL | 5/64 | 1 | 0SLHL |
| *3/32 SELS | 3/32 | 3/8 | 0SLHS |
| *3/32 SELM | 3/32 | 1/2 | 0SLHM |
| *3/32 SELL | 3/32 | 1 | 0SLHL |
| *7/64 SELS | 7/64 | 3/8 | 0SLHS |
| *7/64 SELM | 7/64 | 1/2 | 0SLHM |
| *7/64 SELL | 7/64 | 1 | 0SLHL |
| *1/8 SELS | 1/8 | 3/8 | 0SLHS |
| *1/8 SELM | 1/8 | 1/2 | 0SLHM |
| *1/8 SELL | 1/8 | 1 | 0SLHL |
| 9/64 SELSH | 9/64 | 1/2 | 1SLHS |
| 9/64 SELMH | 9/64 | 3/4 | 1 SLHM |

| PART # | A LAP SIZE | B LENGTH | HOLDER NO. |
|-------------|---------------|-------------|------------|
| 9/64 SELLH | 9/64 | 1-1/2 | 1SLHL |
| 5/32 SELSH | 5/32 | 1/2 | 1SLHS |
| 5/32 SELMH | 5/32 | 3/4 | 1 SLHM |
| 5/32 SELLH | 5/32 | 1-1/2 | 1SLHL |
| 11/64 SELSH | 11/64 | 1/2 | 1SLHS |
| 11/64 SELMH | 11/64 | 3/4 | 1 SLHM |
| 11/64 SELLH | 11/64 | 1-1/2 | 1SLHL |
| 3/16 SELSH | 3/16 | 1/2 | 1SLHS |
| 3/16 SELMH | 3/16 | 3/4 | 1 SLHM |
| 3/16 SELLH | 3/16 | 1-1/2 | 1SLHL |
| 13/64 SELSH | 13/64 | 1/2 | 2SLHS |
| 13/64 SELMH | 13/64 | 3/4 | 2SLHM |
| 13/64 SELLH | 13/64 | 1-1/2 | 2SLHL |
| 7/32 SELSH | 7/32 | 1/2 | 2SLHS |
| 7/32 SELMH | 7/32 | 3/4 | 2SLHM |
| 7/32 SELLH | 7/32 | 1-1/2 | 2SLHL |
| 15/64 SELSH | 15/64 | 1/2 | 2SLHS |
| 15/64 SELMH | 15/64 | 3/4 | 2SLHM |
| 15/64 SELLH | 15/64 | 1-1/2 | 2SLHL |
| 1/4 SELSH | 1/4 | 1/2 | 2SLHS |
| 1/4 SELMH | 1/4 | 3/4 | 2SLHM |
| 1/4 SELLH | 1/4 | 1-1/2 | 2SLHL |
| 17/64 SELSH | 17/64 | 1/2 | 3SLHS |
| 17/64 SELMH | 17/64 | 3/4 | 3SLHM |
| 17/64 SELLH | 17/64 | 1-1/2 | 3SLHL |
| 9/32 SELSH | 9/32 | 1/2 | 3SLHS |
| 9/32 SELMH | 9/32 | 3/4 | 3SLHM |
| 9/32 SELLH | 9/32 | 1-1/2 | 3SLHL |
| 19/64 SELSH | 19/64 | 1/2 | 3SLHS |
| 19/64 SELMH | 19/64 | 3/4 | 3SLHM |
| 19/64 SELLH | 19/64 | 1-1/2 | 3SLHL |
| 5/16 SELSH | 5/16 | 1/2 | 3SLHS |
| 5/16 SELMH | 5/16 | 3/4 | 3SLHM |
| 5/16 SELLH | 5/16 | 1-1/2 | 3SLHL |

| PART # | A LAP SIZE | B LENGTH | HOLDER NO. |
|-------------|---------------|-------------|------------|
| 21/64 SELLH | 21/64 | 1-1/2 | 4SLHL |
| 11/32 SELSH | 11/32 | 1/2 | 4SLHS |
| 11/32 SELMH | 11/32 | 3/4 | 4SLHM |
| 11/32 SELLH | 11/32 | 1-1/2 | 4SLHL |
| 23/64 SELSH | 23/64 | 1/2 | 4SLHS |
| 23/64 SELMH | 23/64 | 3/4 | 4SLHM |
| 23/64 SELLH | 23/64 | 1-1/2 | 4SLHL |
| 3/8 SELSH | 3/8 | 1/2 | 4SLHS |
| 3/8 SELMH | 3/8 | 3/4 | 4SLHM |
| 3/8 SELLH | 3/8 | 1-1/2 | 4SLHL |
| 25/64 SELSH | 25/64 | 1/2 | 5SLHS |
| 25/64 SELMH | 25/64 | 3/4 | 5SLHM |
| 25/64 SELLH | 25/64 | 1-1/2 | 5SLHL |
| 13/32 SELSH | 13/32 | 1/2 | 5SLHS |
| 13/32 SELMH | 13/32 | 3/4 | 5SLHM |
| 13/32 SELLH | 13/32 | 1-1/2 | 5SLHL |
| 27/64 SELSH | 27/64 | 1/2 | 5SLHS |
| 27/64 SELMH | 27/64 | 3/4 | 5SLHM |
| 27/64 SELLH | 27/64 | 1-1/2 | 5SLHL |
| 7/16 SELSH | 7/16 | 1/2 | 5SLHS |
| 7/16 SELMH | 7/16 | 3/4 | 5SLHM |
| 7/16 SELLH | 7/16 | 1-1/2 | 5SLHL |
| 29/64 SELSH | 29/64 | 1/2 | 6SLHS |
| 29/64 SELMH | 29/64 | 3/4 | 6SLHM |
| 29/64 SELLH | 29/64 | 1-1/2 | 6SLHL |
| 15/32 SELSH | 15/32 | 1/2 | 6SLHS |
| 15/32 SELMH | 15/32 | 3/4 | 6SLHM |
| 15/32 SELLH | 15/32 | 1-1/2 | 6SLHL |
| 31/64 SELSH | 31/64 | 1/2 | 6SLHS |
| 31/64 SELMH | 31/64 | 3/4 | 6SLHM |
| 31/64 SELLH | 31/64 | 1-1/2 | 6SLHL |
| 1/2 SELSH | 1/2 | 1/2 | 6SLHS |
| 1/2 SELMH | 1/2 | 3/4 | 6SLHM |

| PART # | A LAP SIZE | B LENGTH | HOLDER NO. |
|-------------|---------------|-------------|------------|
| 17/32 SELMH | 17/32 | 1 | 7SLHM |
| 17/32 SELLH | 17/32 | 2 | 7SLHL |
| 9/16 SELSH | 9/16 | 1/2 | 7SLHS |
| 9/16 SELMH | 9/16 | 1 | 7SLHM |
| 9/16 SELLH | 9/16 | 2 | 7SLHL |
| 19/32 SELSH | 19/32 | 1/2 | 7SLHS |
| 19/32 SELMH | 19/32 | 1 | 7SLHM |
| 19/32 SELLH | 19/32 | 2 | 7SLHL |
| 5/8 SELSH | 5/8 | 1/2 | 7SLHS |
| 5/8 SELMH | 5/8 | 1 | 7SLHM |
| 5/8 SELLH | 5/8 | 2 | 7SLHL |
| 21/32 SELSH | 21/32 | 1/2 | 8SLHS |
| 21/32 SELMH | 21/32 | 1 | 8SLHM |
| 21/32 SELLH | 21/32 | 2 | 8SLHL |
| 11/16 SELSH | 11/16 | 1/2 | 8SLHS |
| 11/16 SELMH | 11/16 | 1 | 8SLHM |
| 11/16 SELLH | 11/16 | 2 | 8SLHL |
| 23/32 SELSH | 23/32 | 1/2 | 8SLHS |
| 23/32 SELMH | 23/32 | 1 | 8SLHM |
| 23/32 SELLH | 23/32 | 2 | 8SLHL |
| 3/4 SELSH | 3/4 | 1/2 | 8SLHS |
| 3/4 SELMH | 3/4 | 1 | 8SLHM |
| 3/4 SELLH | 3/4 | 2 | 8SLHL |
| 25/32 SELSH | 25/32 | 1/2 | 9SLHS |
| 25/32 SELMH | 25/32 | 1 | 9SLHM |
| 25/32 SELLH | 25/32 | 2 | 9SLHL |
| 13/16 SELSH | 13/16 | 1/2 | 9SLHS |
| 13/16 SELMH | 13/16 | 1 | 9SLHM |
| 13/16 SELLH | 13/16 | 2 | 9SLHL |
| 27/32 SELSH | 27/32 | 1/2 | 9SLHS |
| 27/32 SELMH | 27/32 | 1 | 9SLHM |
| 27/32 SELLH | 27/32 | 2 | 9SLHL |

| PART # | A LAP SIZE | B LENGTH | HOLDER NO. |
|--------------|---------------|-------------|------------|
| 7/8 SELLH | 7/8 | 2 | 9SLHL |
| 29/32 SELSH | 29/32 | 1/2 | 10SLHS |
| 29/32 SELMH | 29/32 | 1 | 10SLHM |
| 29/32 SELLH | 29/32 | 2 | 10SLHL |
| 15/16 SELSH | 15/16 | 1/2 | 10SLHS |
| 15/16 SELMH | 15/16 | 1 | 10SLHM |
| 15/16 SELLH | 15/16 | 2 | 10SLHL |
| 31/32 SELSH | 31/32 | 1/2 | 10SLHS |
| 31/32 SELMH | 31/32 | 1 | 10SLHM |
| 31/32 SELLH | 31/32 | 2 | 10SLHL |
| 1 SELSH | 1 | 1/2 | 10SLHS |
| 1 SELMH | 1 | 1 | 10SLHM |
| 1 SELLH | 1 | 2 | 10SLHL |
| 1-1/16 SELSH | 1-1/16 | 3/4 | 11SLHS |
| 1-1/16 SELMH | 1-1/16 | 1-1/2 | 11SLHM |
| 1-1/16 SELLH | 1-1/16 | 2-1/2 | 11SLHL |
| 1-1/8 SELSH | 1-1/8 | 3/4 | 11SLHS |
| 1-1/8 SELMH | 1-1/8 | 1-1/2 | 11SLHM |
| 1-1/8 SELLH | 1-1/8 | 2-1/2 | 11SLHL |
| 1-3/16 SELSH | 1-3/16 | 3/4 | 11SLHS |
| 1-3/16 SELMH | 1-3/16 | 1-1/2 | 11SLHM |
| 1-3/16 SELLH | 1-3/16 | 2-1/2 | 11SLHL |
| 1-1/4 SELSH | 1-1/4 | 3/4 | 11SLHS |
| 1-1/4 SELMH | 1-1/4 | 1-1/2 | 11SLHM |
| 1-1/4 SELLH | 1-1/4 | 2-1/2 | 11SLHL |
| 1-5/16 SELSH | 1-5/16 | 3/4 | 12SLHS |
| 1-5/16 SELMH | 1-5/16 | 1-1/2 | 12SLHM |
| 1-5/16 SELLH | 1-5/16 | 2-1/2 | 12SLHL |
| 1-3/8 SELSH | 1-3/8 | 3/4 | 12SLHS |
| 1-3/8 SELMH | 1-3/8 | 1-1/2 | 12SLHM |
| 1-3/8 SELLH | 1-3/8 | 2-1/2 | 12SLHL |
| 1-7/16 SELSH | 1-7/16 | 3/4 | 12SLHS |
| 1-7/16 SELMH | 1-7/16 | 1-1/2 | 12SLHM |
| 1-7/16 SELLH | 1-7/16 | 2-1/2 | 12SLHL |

| PART # | A LAP SIZE | B LENGTH | HOLDER NO. |
|---------------|---------------|-------------|------------|
| 1-1/2 SELLH | 1-1/2 | 2-1/2 | 12SLHL |
| 1-9/16 SELSH | 1-9/16 | 3/4 | 13SLHS |
| 1-9/16 SELMH | 1-9/16 | 1-1/2 | 13SLHM |
| 1-9/16 SELLH | 1-9/16 | 2-1/2 | 13SLHL |
| 1-5/8 SELSH | 1-5/8 | 3/4 | 13SLHS |
| 1-5/8 SELMH | 1-5/8 | 1-1/2 | 13SLHM |
| 1-5/8 SELLH | 1-5/8 | 2-1/2 | 13SLHL |
| 1-11/16 SELSH | 1-11/16 | 3/4 | 13SLHS |
| 1-11/16 SELMH | 1-11/16 | 1-1/2 | 13SLHM |
| 1-11/16 SELLH | 1-11/16 | 2-1/2 | 13SLHL |
| 1-3/4 SELSH | 1-3/4 | 3/4 | 13SLHS |
| 1-3/4 SELMH | 1-3/4 | 1-1/2 | 13SLHM |
| 1-3/4 SELLH | 1-3/4 | 2-1/2 | 13SLHL |
| 1-13/16 SELSH | 1-13/16 | 3/4 | 13SLHS |
| 1-13/16 SELMH | 1-13/16 | 1-1/2 | 13SLHM |
| 1-13/16 SELLH | 1-13/16 | 2-1/2 | 13SLHL |
| 1-7/8 SELSH | 1-7/8 | 3/4 | 13SLHS |
| 1-7/8 SELMH | 1-7/8 | 1-1/2 | 13SLHM |
| 1-7/8 SELLH | 1-7/8 | 2-1/2 | 13SLHL |
| 1-15/16 SELSH | 1-15/16 | 3/4 | 13SLHS |
| 1-15/16 SELMH | 1-15/16 | 1-1/2 | 13SLHM |
| 1-15/16 SELLH | 1-15/16 | 2-1/2 | 13SLHL |
| 2 SELSH | 2 | 3/4 | 13SLHS |
| 2 SELMH | 2 | 1-1/2 | 13SLHM |
| 2 SELLH | 2 | 2-1/2 | 13SLHL |