

## L Type Spiders / Hub Spline Bores Item Selection

JW

### L Type Coupling

- Sizes range from L035 to L276
- Ordering requires selecting UPC numbers for two standard L hubs and one standard open or solid center elastomer (spider)

### SW Type Coupling

- Sizes range from L090 to L190
- Ordering requires selecting UPC numbers for two standard L hubs and one snap wrap spider with snap ring
- Both L and SW Type couplings, select hubs from the standard bore and keyway chart (pages JW-11 and JW-12) maximum RPM for SW + Ring is 1,750 RPM
- LC coupling uses a snap wrap spider with a collar instead of a retaining ring

### Jaw In-Shear Coupling

- Ordering requires selecting item numbers for two standard hubs, one In-Shear elastomer and one In-Shear ring. See pages JIS-1 through JIS-4



### L Type Spider UPC Number Selection Table

| Spider Type                     | Coupling Size |       |       |       |          |          |       |       |       |       |       |
|---------------------------------|---------------|-------|-------|-------|----------|----------|-------|-------|-------|-------|-------|
|                                 | L035          | L050  | L070  | L075  | L090/095 | L099/100 | L110  | L150  | L190  | L225  | L276  |
| SOX (NBR) (Solid)               | 10118         | 10194 | 10406 | 10621 | 11070    | 11494    | 11724 | 12001 | 12274 | 12409 | —     |
| SOX (NBR) (open center)         | —             | —     | 10393 | 10620 | 10968    | 11492    | 11711 | 37880 | 37881 | 12406 | 12612 |
| Urethane (Solid)                | —             | 37786 | 10395 | —     | —        | —        | —     | —     | —     | 12417 | —     |
| Urethane (open center)          | —             | —     | 10411 | 10626 | 11075    | 11499    | 11729 | 12006 | 12280 | —     | —     |
| Hytrel® (Solid)                 | —             | 25307 | —     | —     | —        | —        | 11717 | 11993 | 12265 | 12401 | —     |
| Hytrel® (open center)           | —             | —     | 25308 | 25309 | 25310    | 11486    | 38097 | 38098 | 38099 | 12400 | —     |
| Bronze (open center)            | —             | 10198 | 10409 | 10624 | 11073    | 11497    | 11727 | 12004 | 12277 | 34517 | 25767 |
| Snap Wrap (NBR) w/ring          | —             | —     | —     | —     | 24669    | 24670    | 24671 | 24672 | 24673 | —     | —     |
| Snap Wrap (NBR) w/o ring        | —             | —     | —     | —     | 11071    | 11495    | 11725 | 12002 | 12275 | —     | —     |
| SOX (NBR) Bulk - pk 25          | 50115         | 50116 | 50117 | 50118 | 50119    | —        | —     | —     | —     | —     | —     |
| SOX (NBR) Bulk - pk 10          | —             | —     | —     | —     | —        | 51020    | 50121 | 50122 | —     | —     | —     |
| Snap Wrap Urethane - solid ring | —             | —     | —     | —     | —        | 41170    | 41171 | —     | 28284 | 26093 | —     |
| In-Shear Elastomer              | —             | —     | —     | —     | 67576    | 67577    | 67578 | 67579 | 67580 | 68559 | 67581 |
| In-Shear Ring                   | —             | —     | —     | —     | 67584    | 67585    | 67586 | 67587 | 67588 | 68560 | 67589 |

Note: ■ When referencing the Lovejoy UPC number in this table, include 685144 as a prefix to the number shown.

### L Type Hub - Spline Bore UPC Number Selection Table

| Teeth | Pitch | SAE  | Spline Bore Diameters |       | Major Dia | Coupling Size |       |       |       |       |       |       |       |       |
|-------|-------|------|-----------------------|-------|-----------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|
|       |       |      | Major                 | Minor |           | L090          | L095  | L099  | L100  | L110  | L150  | L190  | L225  | L276  |
| 9     | 16/32 | A    | 0.651                 | 0.509 | 0.625     | 38568         | 37900 | 38571 | 37904 | —     | —     | —     | —     | —     |
| 11    | 16/32 |      | 0.776                 | 0.631 | 0.750     | 38569         | 37901 | 38572 | 37905 | 37909 | 37917 | 37925 | —     | —     |
| 13    | 16/32 | B    | 0.901                 | 0.754 | 0.875     | 38570         | 37902 | 38573 | 37906 | 37910 | 37918 | 37926 | 37935 | —     |
| 13    | 8/16  | D, E | 1.798                 | 1.506 | 1.750     | —             | —     | —     | —     | 37915 | 37923 | 37931 | 37940 | 38576 |
| 14    | 12/24 | C    | 1.289                 | 1.087 | 1.250     | —             | —     | —     | —     | 37912 | 37920 | 37928 | 37937 | 38577 |
| 15    | 16/32 | BB   | 1.026                 | 0.877 | 1.000     | —             | —     | 38574 | 37907 | 37911 | 37919 | 37927 | 37936 | 38578 |
| 21    | 16/32 |      | 1.401                 | 1.250 | 1.375     | —             | —     | —     | —     | 37913 | 37921 | 37929 | 37938 | —     |
| 23    | 16/32 |      | 1.526                 | 1.375 | 1.500     | —             | —     | —     | —     | 37914 | 37922 | 37930 | 37939 | —     |
| 27    | 16/32 |      | 1.776                 | 1.625 | 1.750     | —             | —     | —     | —     | 37916 | 37924 | 37932 | 37941 | 38579 |
| 15    | 8/16  | F    | 2.048                 | 1.753 | 2.000     | —             | —     | —     | —     | —     | —     | 37933 | 37942 | —     |

- Notes: ■ All pressure angles on above splines = 30°. Class 5 fit is standard, unless otherwise specified.  
 ■ All stock spline bore hubs are supplied standard with Lovejoy's exclusive L-LOC Clamping Feature. See page T-7 for description.  
 ■ When referencing the Lovejoy UPC number in this table, include 685144 as a prefix to the number shown.

## L Type Inch Bore / Keyway Item Selection

The L Type coupling consists of two standard L Type hubs and one spider. Refer to pages JW-11, JW-12, and JW-10.



JW

| Bore    | Keyway      | L035  | L050  | L070  | L075  | L090  | L095  | L099  | L100  | L110  | L150  | L190  | L225  | L276  |
|---------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/8     | No Keyway   | 10124 | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     |
| 3/16    | No Keyway   | 10126 | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     |
| 1/4     | No Keyway   | 10127 | 10206 | 10416 | 10680 | 10766 | —     | —     | —     | —     | —     | —     | —     | —     |
| 1/4     | 1/8 x 1/16  | —     | —     | —     | 35744 | —     | —     | —     | —     | —     | —     | —     | —     | —     |
| 5/16    | No Keyway   | 10128 | 10207 | 10417 | 10681 | 26209 | —     | —     | —     | —     | —     | —     | —     | —     |
| 3/8     | No Keyway   | 24687 | 10208 | 10418 | 10682 | 10767 | —     | —     | —     | —     | —     | —     | —     | —     |
| 3/8     | 3/32 x 3/64 | —     | 46121 | 41985 | 37234 | 37235 | —     | —     | —     | —     | —     | —     | —     | —     |
| 3/8     | 1/8 x 1/16  | —     | 44136 | 48829 | 35745 | 37236 | —     | —     | —     | —     | —     | —     | —     | —     |
| 7/16    | No Keyway   | —     | 10209 | 10419 | 10683 | 10768 | 11082 | 31297 | 11505 | —     | —     | —     | —     | —     |
| 7/16    | 3/32 x 3/64 | —     | 44713 | 44007 | 28089 | 28877 | 27613 | 38198 | 37237 | —     | —     | —     | —     | —     |
| 7/16    | 1/8 x 1/16  | —     | —     | 44066 | 28875 | 28878 | 28879 | 38199 | 37238 | —     | —     | —     | —     | —     |
| 1/2     | No Keyway   | —     | 10210 | 10420 | 10684 | 10769 | 11083 | 11333 | 11506 | —     | —     | —     | —     | —     |
| 1/2     | 1/8 x 1/16  | —     | 10211 | 10421 | 10685 | 26087 | 26088 | 11334 | 26089 | —     | —     | —     | —     | —     |
| 9/16    | No Keyway   | —     | 10212 | 52338 | 10686 | 24976 | 37239 | 11335 | 11508 | —     | —     | —     | —     | —     |
| 9/16    | 1/8 x 1/16  | —     | 10213 | 10423 | 10687 | 28876 | 11084 | 38200 | 11509 | —     | —     | —     | —     | —     |
| 5/8     | No Keyway   | —     | 10214 | 24771 | 44322 | 46052 | 41911 | 44174 | 44291 | 11733 | 12101 | —     | —     | —     |
| 5/8     | 5/32 x 5/64 | —     | —     | 51104 | 37240 | 37241 | 37242 | 38201 | 37243 | 37244 | 37245 | —     | —     | —     |
| 5/8     | 3/16 x 3/32 | —     | —     | 10424 | 10688 | 10771 | 11085 | 11336 | 11510 | 26211 | 26212 | —     | —     | —     |
| 11/16   | 3/16 x 3/32 | —     | —     | 10425 | 10689 | 10772 | 11086 | 11337 | 11511 | 11734 | 12102 | —     | —     | —     |
| 3/4     | No Keyway   | —     | —     | 46116 | 56140 | 54282 | 56887 | 49705 | 45212 | —     | —     | 12285 | 12422 | —     |
| 3/4     | 1/8 x 1/16  | —     | —     | 51719 | 35881 | 37246 | 37074 | 38202 | 37247 | 37248 | 37249 | 37250 | —     | —     |
| 3/4     | 3/16 x 3/32 | —     | —     | 10426 | 10690 | 10773 | 11087 | 11338 | 11512 | 11735 | 12103 | 38468 | 35882 | —     |
| 13/16   | 3/16 x 3/32 | —     | —     | —     | 10691 | 10774 | 11088 | 11339 | 11513 | 11736 | 12104 | 37252 | 37255 | —     |
| 7/8     | No Keyway   | —     | —     | —     | 56941 | —     | —     | 59063 | —     | —     | —     | —     | —     | 12582 |
| 7/8     | 3/16 x 3/32 | —     | —     | —     | 10692 | 10775 | 11089 | 11340 | 11514 | 11737 | 12105 | 12286 | 12423 | 12585 |
| 7/8     | 1/4 x 1/8   | —     | —     | —     | —     | 38188 | 35747 | 38203 | 35686 | 35749 | 35750 | 37256 | 35753 | 54883 |
| 15/16   | 1/4 x 1/8   | —     | —     | —     | —     | 32332 | 11090 | 11341 | 11515 | 11738 | 12160 | 12287 | 12424 | —     |
| 1       | 1/4 x 1/8   | —     | —     | —     | —     | 31296 | 11091 | 11342 | 11516 | 11739 | 12107 | 12288 | 12425 | 12586 |
| 1       | 3/16 x 3/32 | —     | —     | —     | —     | 37257 | 37258 | 38204 | 37259 | 37260 | 37261 | 37262 | 37263 | —     |
| 1-1/16  | 1/4 x 1/8   | —     | —     | —     | —     | —     | 11092 | 11343 | 11517 | 11740 | 12108 | 12289 | 12426 | —     |
| 1-1/8   | 1/4 x 1/8   | —     | —     | —     | —     | —     | 11093 | 11344 | 11518 | 11741 | 12109 | 12290 | 12427 | 12587 |
| 1-3/16  | 1/4 x 1/8   | —     | —     | —     | —     | —     | —     | 11345 | 11519 | 11742 | 12110 | 12291 | 12428 | —     |
| 1-1/4   | 1/4 x 1/8   | —     | —     | —     | —     | —     | —     | —     | 11520 | 11743 | 12111 | 12292 | 12429 | 12588 |
| 1-1/4   | 5/16 x 5/32 | —     | —     | —     | —     | —     | —     | —     | 35748 | 35752 | 35751 | 37294 | 35754 | 12589 |
| 1-5/16  | 5/16 x 5/32 | —     | —     | —     | —     | —     | —     | —     | 11521 | 11744 | 12112 | 12293 | 26090 | —     |
| 1-3/8   | 5/16 x 5/32 | —     | —     | —     | —     | —     | —     | —     | 11522 | 11745 | 12113 | 12294 | 12430 | 12590 |
| 1-3/8   | 3/8 x 3/16  | —     | —     | —     | —     | —     | —     | —     | 44348 | 37265 | 37266 | 37267 | 37568 | 46758 |
| 1-7/16  | 3/8 x 3/16  | —     | —     | —     | —     | —     | —     | —     | —     | 11746 | 12114 | 12295 | 12431 | 12591 |
| 1-1/2   | 5/16 x 5/32 | —     | —     | —     | —     | —     | —     | —     | —     | 37269 | 37270 | 37271 | 37272 | —     |
| 1-1/2   | 3/8 x 3/16  | —     | —     | —     | —     | —     | —     | —     | —     | 11747 | 12115 | 12296 | 12432 | 12592 |
| 1-9/16  | 3/8 x 3/16  | —     | —     | —     | —     | —     | —     | —     | —     | 11748 | 12116 | 37273 | 12433 | 45689 |
| 1-5/8   | 3/8 x 3/16  | —     | —     | —     | —     | —     | —     | —     | —     | 11749 | 12117 | 12297 | 12434 | 12593 |
| 1-11/16 | 3/8 x 3/16  | —     | —     | —     | —     | —     | —     | —     | —     | —     | 12118 | 12298 | 12435 | 60057 |
| 1-3/4   | 3/8 x 3/16  | —     | —     | —     | —     | —     | —     | —     | —     | —     | 12119 | 12299 | 13436 | 12594 |
| 1-3/4   | 7/16 x 7/32 | —     | —     | —     | —     | —     | —     | —     | —     | —     | 37274 | 37275 | 37276 | 48250 |
| 1-13/16 | 1/2 x 1/4   | —     | —     | —     | —     | —     | —     | —     | —     | —     | 12120 | 12300 | 26091 | —     |
| 1-7/8   | 1/2 x 1/4   | —     | —     | —     | —     | —     | —     | —     | —     | —     | 12121 | 12301 | 12437 | 12595 |
| 1-15/16 | 1/2 x 1/4   | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 12302 | 12438 | 49762 |
| 2       | 1/2 x 1/4   | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 12303 | 12439 | 12596 |
| 2-1/16  | 1/2 x 1/4   | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 12304 | 26092 | —     |
| 2-1/8   | 1/2 x 1/4   | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 12305 | 12440 | 12597 |
| 2-3/16  | 1/2 x 1/4   | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 12441 | 12598 |
| 2-1/4   | 1/2 x 1/4   | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 12442 | 12599 |
| 2-3/8   | 5/8 x 5/16  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 12443 | 12602 |
| 2-5/8   | 5/8 x 5/16  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 41809 | 12605 |
| 2-7/8   | 3/4 x 3/8   | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 12607 |

Notes: ■ Tolerances for bore and keyways are found in Engineering Data section (pages ED-10 and ED-11). All hubs supplied standard with one set screw.  
 ■ Non-standard bores available – consult Lovejoy Engineering.  
 ■ When referencing the Lovejoy UPC number in this table, include 685144 as a prefix to the number shown.

## L Type Metric Bore / Keyway Item Selection

JW

The L Type coupling consists of two standard L Type hubs and one spider. Refer to pages JW-10, JW-12, and JW-10.



**L Type Hub - Metric Bore and Keyway UPC Number Selection Table**

| Bore | Keyway    | L035  | L050  | L070  | L075  | L090  | L095  | L099  | L100  | L110  | L150  | L190  | L225  | L276  |
|------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 4    | No Keyway | 41850 | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     |
| 5    | No Keyway | 47419 | 46214 | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     |
| 6    | No Keyway | 45872 | 50351 | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     |
| 7    | No Keyway | 60679 | 10215 | 58803 | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     |
| 8    | No Keyway | 55169 | 41460 | 46151 | —     | 60945 | —     | —     | —     | —     | —     | —     | —     | —     |
| 9    | 3 x 1.4   | —     | 41313 | 56177 | 44298 | —     | —     | —     | —     | —     | —     | —     | —     | —     |
| 10   | No Keyway | —     | 10216 | 41452 | 41456 | —     | —     | —     | —     | —     | —     | —     | —     | —     |
| 10   | 3 x 1.4   | —     | 41450 | 49870 | 41457 | 52828 | —     | —     | —     | —     | —     | —     | —     | —     |
| 11   | 4 x 1.8   | —     | 41314 | 41453 | 50811 | —     | 49424 | —     | —     | —     | —     | —     | —     | —     |
| 12   | No Keyway | —     | 48510 | 51562 | —     | 48276 | —     | —     | —     | —     | —     | —     | —     | —     |
| 12   | 4 x 1.8   | —     | 41315 | 41454 | 44153 | 44329 | 44832 | —     | 55195 | —     | —     | —     | —     | —     |
| 14   | No Keyway | —     | 58036 | 47505 | —     | 41461 | 41465 | —     | —     | —     | —     | —     | —     | —     |
| 14   | 5 x 2.3   | —     | 41316 | 41317 | 41321 | 51231 | 41466 | 60094 | 45101 | —     | —     | —     | —     | —     |
| 15   | No Keyway | —     | 60708 | —     | 10693 | —     | 46561 | 52697 | 41469 | —     | —     | —     | —     | —     |
| 15   | 5 x 2.3   | —     | 41451 | 41455 | 41454 | 52096 | 45778 | 46972 | 47123 | —     | —     | —     | —     | —     |
| 16   | 5 x 2.3   | —     | 56176 | 41318 | 41322 | 49198 | 41325 | 52098 | 55534 | 52092 | 52471 | —     | —     | —     |
| 17   | 5 x 2.3   | —     | —     | 45333 | 49398 | —     | 49704 | —     | 56178 | 60067 | 60156 | —     | —     | —     |
| 18   | 6 x 2.8   | —     | —     | 59724 | 41884 | 46433 | 46626 | 44647 | 41926 | 44288 | —     | —     | —     | —     |
| 19   | No Keyway | —     | —     | —     | —     | 10777 | —     | —     | —     | 41471 | —     | —     | —     | —     |
| 19   | 6 x 2.8   | —     | —     | 41319 | 41323 | 41462 | 41326 | 44157 | 14329 | 49700 | 48821 | 46717 | —     | —     |
| 20   | 6 x 2.8   | —     | —     | —     | 41459 | 41925 | 41467 | 47122 | 52093 | 41804 | 61218 | 61497 | —     | —     |
| 22   | 6 x 2.8   | —     | —     | —     | 58246 | 41968 | 44827 | 41959 | 44467 | 45214 | 44720 | —     | —     | —     |
| 24   | 8 x 3.3   | —     | —     | —     | —     | 41463 | 41327 | 41990 | 41330 | 48301 | 48182 | 59109 | —     | —     |
| 25   | 8 x 3.3   | —     | —     | —     | —     | 41464 | 41468 | 45055 | 41470 | 41906 | 46751 | 52153 | —     | —     |
| 28   | No Keyway | —     | —     | —     | —     | —     | —     | —     | —     | —     | 56179 | 56182 | —     | —     |
| 28   | 8 x 3.3   | —     | —     | —     | —     | —     | 41328 | 50103 | 41331 | 41333 | 45679 | 52976 | —     | —     |
| 30   | 8 x 3.3   | —     | —     | —     | —     | —     | —     | 47132 | 48317 | 45681 | 41738 | 44471 | 48982 | —     |
| 32   | No Keyway | —     | —     | —     | —     | —     | —     | —     | —     | —     | 41472 | 41473 | 48319 | 56232 |
| 32   | 10 x 3.3  | —     | —     | —     | —     | —     | —     | —     | —     | 41334 | 41873 | 45562 | 41849 | 41885 |
| 35   | No Keyway | —     | —     | —     | —     | —     | —     | —     | 41332 | —     | 56180 | 56183 | 56184 | —     |
| 35   | 10 x 3.3  | —     | —     | —     | —     | —     | —     | —     | 49925 | 45682 | 46562 | 58035 | 52197 | —     |
| 38   | 10 x 3.3  | —     | —     | —     | —     | —     | —     | —     | —     | 41335 | 41337 | 41474 | 49664 | 52961 |
| 40   | 12 x 3.3  | —     | —     | —     | —     | —     | —     | —     | —     | 45683 | 48318 | 48320 | 49605 | 59308 |
| 42   | 12 x 3.3  | —     | —     | —     | —     | —     | —     | —     | —     | 41336 | 41338 | 41475 | 47492 | 45609 |
| 45   | 14 x 3.8  | —     | —     | —     | —     | —     | —     | —     | —     | —     | 45102 | 56017 | 52674 | 50292 |
| 48   | No Keyway | —     | —     | —     | —     | —     | —     | —     | —     | —     | 56181 | —     | —     | —     |
| 48   | 14 x 3.8  | —     | —     | —     | —     | —     | —     | —     | —     | —     | 56227 | 48322 | 47569 | 61202 |
| 50   | No Keyway | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 56228 | 56230 | 56233 |
| 50   | 14 x 3.8  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 44392 | 48797 | 45062 |
| 55   | No Keyway | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 56229 | 56231 | 56234 |
| 55   | 16 x 4.3  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 47006 | 44089 | 56067 |
| 60   | No Keyway | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 56185 | 56235 |
| 60   | 18 x 4.4  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 44598 | 56236 |
| 65   | No Keyway | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 56237 |
| 65   | 18 x 4.4  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 56544 | 50102 |
| 70   | 20 x 4.9  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 58268 |

Notes: ■ Tolerances for bore and keyways are found in Engineering Data section (page ED-17 and ED-18). All hubs supplied standard with one set screw.  
 ■ Non-standard bores available – consult Lovejoy Engineering.  
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