## Installation Instructions for the L, AL, LS, CJ, CS, $C$ and $H$ type hubs.

Jaw hubs and elastomers come in many sizes and types. First, determine the size and type of the components being used. Remove all components from their boxes and loosely assemble the coupling on any convenient surface. Also, check maximum RPM values in Table 3 for L, AL, C \& H hubs, Table 5 for LS \& CS hubs and Table 6 for CJ hubs, against operating speed.

1. Inspect all coupling components and remove any protective coatings or lubricants from bores, mating surfaces, and fasteners. Remove any existing burrs, etc., from the shafts.
2. Slide one coupling hub onto each shaft, using keys where required. Keys should fit snugly.
3. Position the hubs on the shafts to approximately achieve the "G" dimension shown in Table 3 for the L, AL, C and H hubs, Table 6 for the CJ hubs or Table 5 for the LS and CS hubs. It is usually best to have an equal length of shaft extending into each hub. Tighten one hub in its final position using the set screw tightening torque given in Table 1 for $\mathrm{L}, \mathrm{AL}, \mathrm{LS}, \mathrm{C}, \mathrm{CS}$ and H hubs or Table 2 for the CJ hubs.

For the $L$, AL and CJ hubs, if possible, slide the other hub far enough back on the shaft to install the elastomer. If hub cannot be slid back, or if "blind" assembly is required, tighten second hub on shaft and bring equipment together approximately achieving the "G" dimension shown in Table 3 for the $L$ and $A L$ hubs or Table 6 for the CJ hubs.

For the LS and CS hubs position second hub onto the shaft approximately achieving the "G" dimension shown in Table 5, do not install spider and retaining ring at this time. Tighten set screws to the appropriate value shown in Table 1.

For the C and H hubs, position second hub on the shaft approximately achieving the "G" dimension shown in Table 3, do not install cushions and collar at this time. Tighten set screws to the appropriate value shown in Table 1.
4. Check Parallel alignment by placing a straight edge across the two coupling hubs, and measuring the maximum offset at various points around the periphery of the coupling without rotating the coupling. If the maximum offset exceeds the figure shown under "Parallel" in Table 3 for L, AL, C and H hubs, Table 5 for LS and CS hubs, or Table 6 for CJ hubs, realign the shafts. See Figures 1-4.
5. Check Angular alignment with a micrometer, vernier, or caliper. Measure " X " from one hub to the other at intervals around the coupling. See " $X$ " in Figures 1-4. Determine the maximum and minimum dimensions without rotating the coupling, the difference of these two measurements must be less than the Angular value in Table 3 for L, AL, C and H hubs, Table 5 for LS and CS hubs, or Table 6 for CJ hubs. If a correction is necessary, be sure to recheck the Parallel alignment.
6. Install the spider and retaining ring for the LS and CS hubs at this time, making sure that the retaining ring locks into place on the spider.
7. Install the cushions and collar for the C and H hubs at this time.

## RRS, RRC and LC Type Elastomeric Jaw Type

Determine the size and type of coupling being used. Also check maximum RPM values in Tables 3 and 4, against operating speed. Remove all components from their boxes and loosely assemble the coupling on any convenient surface.

Inspect all coupling components and remove any protective coatings or lubricants from bores, mating surfaces, and fasteners. Remove any existing burrs, etc., from the shafts.

Use appropriate section for the type of coupling assembly.

## RRS Type - Styles 1, 2 and 3

1. Slide one hub onto each shaft, using keys where required. Keys should fit snugly. Position the hubs on the shafts to achieve spacer gap as shown in Figures 5 and 6. It is usually best to have an equal length of shaft extending into each hub. Line up the jaws of both hubs and tighten hubs onto the shafts using the set screw torque from Table 1.
2. Check Parallel alignment by placing a straight edge across the two hubs and measuring the maximum offset at various points around the periphery of the hubs without rotating the couplings. If the maximum offset exceeds the Parallel value in Table 4, realign the shafts.
3. Check Angular alignment with a micrometer, vernier or caliper. Measure the " X " dimension from one hub to the other at intervals around the hubs. See " $X$ " in Figures 5 and 6. Determine the maximum and the minimum dimensions without rotating the coupling. The difference of these two measurements must be less than the Angular value in Table 4. If a correction is necessary, recheck the Parallel alignment.
4. Position the spacer between the two hubs with collars either loose on the hub or the spacer. Install the snap-wrap spiders and fasten collars with cap screws.

## RRC Type - Style 4

1. Slide one adapter hub onto each shaft, using keys where required. Keys should fit snugly. Position the hubs on the shaft to achieve a spacer gap as in Figure 7. It is usually best to have an equal length of shaft extending into each hub. Tighten both hubs with the set screw torque from Table 1.
2. Install the spacer section between the two hubs. The spacer section includes two jaw rings, the cushions, and a collar. Fasten the spacer section to the adapter hub with the axial mounting screws and torque them to $68-76 \mathrm{ft}$.-lbs.
3. Slide collar off jaw ring and set on the adapter hub. Some cushions at the bottom side of the coupling can fall out and may be set aside while checking shaft alignment.
4. Check Parallel alignment by placing a straight edge across the two hubs and measuring the maximum offset at various points around the periphery of the hubs without rotating the coupling. If the maximum offset exceeds the Parallel value in Table 4, realign the shafts.
5. Check Angular alignment with a micrometer, vernier or caliper. Measure the " X " dimension from one hub to the other at intervals around the hubs. See " $X$ " in Figure 7. Determine the maximum and the minimum dimensions without rotating the coupling. The differ ence of these two measurements must be less than the Angular value in Table 4. If a correction is necessary, recheck the Parallell alignment.
6. Reinstall the cushions and fasten the collar with cap screws.

## LC Type

For LC Type - Styles 1 and 2

1. Slide one hub onto each shaft, using the keys where required. Keys should fit snugly. Position the hubs on the shafts to approximately achieve the "G" dimension shown in Table 3. It is usually best to have an equal length of shaft extending into each hub. Tighten both hubs in their final positions using the set screw torque from Table 1. Slide the collar to the edge of the hub and do not install the snap-wrap spider at this time.
2. Check Parallel alignment buy placing a straight edge across the two hubs and measuring the maximum offset at various points around the periphery of the hubs without rotating the coupling. If the maximum offset exceeds the appropriate Parallel value in Table 3 , realign the shafts.
3. Check Angular alignment with a micrometer, vernier or caliper. Measure the "X" dimension from one hub to the other at intervals around the hubs. Refer to Figures 3 and 4, below for Styles 1 and 2, respectively. Determine the maximum and minimum dimen sions without rotating the coupling. The difference of these two measurements must be less than the Angular value in Table 3. If a correction is necessary, recheck the Parallel alignment.
4. Install the snap-wrap spider and fasten the collar with cap screws.

Note: Install coupling guards per OSHA or ASME 815.1 requirements.

Table 1 Tightening Torque for Set Screws For L,AL, C and H Hubs

| Coupling Size | Inch Set Screws |  |  |  | Metric Set Screws |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { Set } \\ \text { Size } \end{gathered}$ | Screw Length | Tightening Torque |  | Set Screws Length |  | Tightening Torque |  |
|  |  | Inch | in.-lbs | N-m | Size | mm | in.-lbs. | N-m |
| L035 | $6-32$ | $3 / 32$ $1 / 8$ $3 / 16$ \& up | $\begin{gathered} \hline 3-4 \\ 7-8 \\ 9-10 \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.34-0.45 \\ 0.8-0.9 \\ 1.0-1.1 \\ \hline \end{gathered}$ | M3 | $\begin{gathered} 3 \\ 4 \& \mathrm{up} \end{gathered}$ | $\begin{aligned} & 4.4 \\ & 5.3 \end{aligned}$ | $\begin{aligned} & \hline 0.5 \\ & 0.6 \end{aligned}$ |
| $\begin{aligned} & \hline \text { L050 } \\ & \text { L070 } \\ & \text { L075 } \\ & \text { L090 } \end{aligned}$ | 1/4-20 | $\begin{gathered} \hline 3 / 16 \\ 1 / 4 \& \text { up } \end{gathered}$ | $\begin{aligned} & 45-50 \\ & 78-87 \end{aligned}$ | $\begin{aligned} & 5-5.6 \\ & 9-10 \end{aligned}$ | $\begin{aligned} & \mathrm{M} 4 \\ & \mathrm{M} 6 \end{aligned}$ | $\begin{gathered} 3 \& \text { up } \\ 4-6 \\ 8 \& ~ u p \end{gathered}$ | $\begin{gathered} \hline 18 \\ 44 \\ 58-62 \end{gathered}$ | $\begin{gathered} 2 \\ 5 \\ 6.6-7 \end{gathered}$ |
| L095 <br> L099 <br> L100 <br> AL110 <br> AL150 | 5/16-18 | $\begin{gathered} 1 / 4 \\ 5 / 16 \text { \& up } \end{gathered}$ | $\begin{gathered} 80-90 \\ 150-165 \end{gathered}$ | $\begin{gathered} 9-10 \\ 17-19 \end{gathered}$ | M8 | $\begin{gathered} 5-8 \\ 10 \& \text { up } \end{gathered}$ | $\begin{gathered} \hline 84-88 \\ 142-150 \end{gathered}$ | $\begin{gathered} 9.5-10 \\ 16-17 \end{gathered}$ |
| $\begin{aligned} & \text { L110 } \\ & \text { L150 } \end{aligned}$ | 3/8-16 | $\begin{gathered} \hline 1 / 4 \\ 5 / 16 \\ 3 / 8 \& \text { up } \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 135-150 \\ & 225-250 \\ & 260-290 \\ & \hline \end{aligned}$ | $\begin{aligned} & 15-17 \\ & 25-28 \\ & 29-33 \\ & \hline \end{aligned}$ | M10 | $\begin{gathered} 6-10 \\ 12 \& \text { up } \end{gathered}$ | $\begin{aligned} & 168-177 \\ & 283-300 \end{aligned}$ | $\begin{aligned} & 19-20 \\ & 32-34 \end{aligned}$ |
| L190 L225 L276 C226 C276 C280 | 1/2-13 | 1/2 \& up | 540-600 | 61-68 | M12 | $\begin{gathered} 8-12 \\ 14 \& \text { up } \end{gathered}$ | $\begin{aligned} & \hline 372-396 \\ & 504-528 \end{aligned}$ | $\begin{aligned} & \hline 42-45 \\ & 57-60 \end{aligned}$ |
| $\begin{gathered} \mathrm{C} 285 \\ \mathrm{C} 295 \\ \mathrm{C} 2955 \\ \mathrm{H} 3067 \\ \mathrm{H} 3567 \end{gathered}$ | 5/8-11 | 5/8 \& up | 110-1200 | 124-136 | M16 | $\begin{gathered} 16 \\ 18 \& ~ u p \end{gathered}$ | $\begin{gathered} \hline 756-792 \\ 1260-1320 \end{gathered}$ | $\begin{gathered} \hline 86-90 \\ 142-150 \end{gathered}$ |
| $\begin{aligned} & \mathrm{H} 3667 \\ & \text { H4067 } \\ & \text { H4567 } \end{aligned}$ | 3/4-10 | 3/4 \& up | 1800-2000 | 203-226 | M20 | $\begin{gathered} 20 \\ 25 \& \text { up } \end{gathered}$ | $\begin{gathered} 98-103 \\ 210-221 \end{gathered}$ | $\begin{aligned} & \hline 133-140 \\ & 285-300 \end{aligned}$ |

Table 2 Tightening Torque for Set Screws For CJ Hubs

| Hub Size and Material | Inch Set Screws |  |  |  | Metric Set Screws |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Set Screw |  | Tightening Torque |  | Set Screw |  | Tightening Torque |  |
|  | Size | Length | in-lbs | Nm | Size | Length | in-lbs | Nm |
| 14 Sint | 8-32 | 3/16 \& up | 18-20 | 2-2.2 | M4 | 3 \& up | 18 | 2 |
| $\begin{aligned} & \hline \text { 19/24 Sint } \\ & 24 / 38 \text { Sint } \\ & \hline \end{aligned}$ | 10-24 | 3/16 \& up | 32-36 | 3.6-4 | M5 | $\begin{gathered} 4-5 \\ 6 \& \mathrm{up} \\ \hline \end{gathered}$ | $\begin{aligned} & 26 \\ & 35 \\ & \hline \end{aligned}$ | $\begin{aligned} & 3 \\ & 4 \\ & \hline \end{aligned}$ |
| $\begin{gathered} \hline 28 / 38 \mathrm{Sint} \\ 38 / 45 \mathrm{Sint} \\ 42 / 55 \mathrm{Cl} \\ 48 / 60 \mathrm{Cl} \\ \hline \end{gathered}$ | 5/16-18 | $\begin{array}{c\|} \hline 1 / 4 \\ 5 / 16 \& \text { up } \end{array}$ | $\begin{gathered} \hline 80-90 \\ 150-165 \end{gathered}$ | $\begin{gathered} \hline 9-10 \\ 17-19 \end{gathered}$ | $\begin{aligned} & \hline \text { M6 } \\ & \text { M8 } \end{aligned}$ | $\begin{gathered} 8 \& \text { up } \\ 10 \& \text { up } \end{gathered}$ | $\begin{gathered} \hline 58-62 \\ 142-150 \end{gathered}$ | $\begin{aligned} & \hline 6.6-7 \\ & 16-17 \end{aligned}$ |
| $\begin{aligned} & \hline 55 / 70 \mathrm{Cl} \\ & 65 / 75 \mathrm{Cl} \\ & 75 / 90 \mathrm{Cl} \\ & 90 / 100 \mathrm{Cl} \end{aligned}$ | 3/8-16 | $\begin{gathered} 1 / 4 \\ 5 / 16 \\ 3 / 8 \& \text { up } \end{gathered}$ | 133-150 225-250 260-090 | $\begin{aligned} & 15-17 \\ & 25-28 \\ & 29-33 \end{aligned}$ | M10 | $\begin{gathered} 6-10 \\ 12 \& \text { up } \end{gathered}$ | $\begin{aligned} & \hline 168-177 \\ & 283-300 \end{aligned}$ | $\begin{aligned} & \hline 19-20 \\ & 32-34 \end{aligned}$ |
| 100/110 Cl | 1/2-13 | 1/2 \& up | 540-600 | 61-68 | M12 | $\begin{gathered} 8-12 \\ 14 \& \text { up } \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 372-396 \\ & 504-528 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 42-45 \\ & 57-60 \\ & \hline \end{aligned}$ |
| $\begin{aligned} & \hline 110 / 125 \mathrm{Cl} \\ & 125 / 145 \mathrm{Cl} \\ & \hline \end{aligned}$ | 5/8-11 | 5/8 \& up | 1100-1200 | 124-136 | M16 | $\begin{gathered} 16 \\ 18 \& \text { up } \\ \hline \end{gathered}$ | $\begin{array}{\|c\|} \hline 756-792 \\ 1260-1320 \\ \hline \end{array}$ | $\begin{gathered} 86-90 \\ 142-150 \\ \hline \end{gathered}$ |

Table 3 Maximum RPM and Allowable Misalignment for L, AL, LC, C \& H Types

| Size | Style | RPM ${ }^{1}$ | G <br> Diam | Allowable Misalignment, inch ( at 3600 RPM or lower) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | w/NBR or Urethane Parallel Angular ${ }^{2}$ |  | w/ Hytrel |  | w/ Bronze |  |
|  |  |  |  |  |  | Parallel | Angular ${ }^{2}$ | Parallel | Angular ${ }^{2}$ |
| L035 | 1 | 31000 | 0.281 | 0.015 | 0.010 | --- | -- | -- | -- |
| L050 | 1 | 18000 | 0.469 | 0.015 | 0.018 | 0.015 | 0.012 | 0.010 | 0.012 |
| L070 | 1 | 14000 | 0.500 | 0.015 | 0.022 | 0.015 | 0.012 | 0.010 | 0.012 |
| L075 | 1 | 11000 | 0.500 | 0.015 | 0.030 | 0.015 | 0.015 | 0.010 | 0.015 |
| L090 | 1 | 9000 | 0.500 | 0.015 | 0.035 | 0.015 | 0.018 | 0.010 | 0.018 |
| L095 | 1 | 9000 | 0.500 | 0.015 | 0.035 | 0.015 | 0.018 | 0.010 | 0.018 |
| L099 | 1 | 7000 | 0.750 | 0.015 | 0.040 | 0.015 | 0.022 | 0.010 | 0.022 |
| L100 | 1 | 7000 | 0.750 | 0.015 | 0.040 | 0.015 | 0.022 | 0.010 | 0.022 |
| L110 | 1 | 5000 | 0.875 | 0.015 | 0.055 | 0.015 | 0.030 | 0.010 | 0.030 |
| L150 | 1 | 5000 | 1.000 | 0.015 | 0.065 | 0.015 | 0.033 | 0.010 | 0.033 |
| L190 | 2 | 5000 | 1.000 | 0.015 | 0.075 | 0.015 | 0.040 | 0.010 | 0.040 |
| L225 | 2 | 4200 | 1.000 | 0.015 | 0.085 | 0.015 | 0.044 | 0.010 | 0.044 |
| L276 | 2 | 1800 | 1.625 | 0.015 | 0.100 | -- | -- | -- | -- |
| C226 | 3 | 4800 | 1.500 | 0.015 | 0.090 | 0.015 | 0.046 | 0.010 | 0.046 |
| C276 | 3 | 4200 | 1.625 | 0.015 | 0.100 | 0.015 | 0.054 | 0.010 | 0.054 |
| C280 | 3 | 3500 | 1.625 | 0.015 | 0.130 | 0.015 | 0.065 | 0.010 | 0.065 |
| C285 | 3 | 3200 | 1.625 | 0.015 | 0.145 | 0.015 | 0.075 | 0.010 | 0.075 |
| C295 | 3 | 2300 | 1.875 | 0.015 | 0.160 | 0.015 | 0.080 | 0.010 | 0.080 |
| C2955 | 3 | 2300 | 1.875 | 0.015 | 0.160 | 0.015 | 0.080 | 0.010 | 0.080 |
| H3067 | 3 | 2300 | 2.125 | 0.015 | 0.180 | 0.015 | 0.090 | 0.010 | 0.090 |
| H3567 | 3 | 2100 | 2.375 | 0.015 | 0.195 | 0.015 | 0.100 | 0.010 | 0.100 |
| H3667 | 3 | 1900 | 2.625 | 0.015 | 0.210 | 0.015 | 0.105 | 0.010 | 0.105 |
| H4067 | 3 | 1800 | 2.875 | 0.015 | 0.235 | 0.015 | 0.120 | 0.010 | 0.120 |
| H4567 | 3 | 1500 | 3.125 | 0.015 | 0.265 | 0.015 | 0.135 | 0.010 | 0.135 |

Notes: 1. Maximum RPM for bronze spiders and cushions is 250 RPM regardless. Maximum speed for hytrel spiders size L070-L100 is 3600 RPM.

Table 4 Maximum RPM and Allowable Misalignment for RRS \& RRC Types

| Size | Style | Max. <br> RPM | G <br> Dim. | Allowable Misalignment, inch (at 3600 RPM or lower) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Combined |  | Parallel with zero angular |  |  |
|  |  |  |  | Parallel | Angular ${ }^{1}$ | 3.5" spcr. ${ }^{2}$ | 5" spcr. | 7" spcr. |
| RRS090 | 1 | 3600 | 0.50 | 0.030 | 0.070 | 0.050 | 0.080 | 0.110 |
| RRS095 | 1 | 3600 | 0.50 | 0.030 | 0.070 | 0.050 | 0.080 | 0.110 |
| RRS099 | 1 | 3600 | 0.75 | 0.030 | 0.080 | 0.050 | 0.075 | 0.110 |
| RRS100 | 1 | 3600 | 0.75 | 0.030 | 0.080 | 0.050 | 0.075 | 0.110 |
| RRS110 | 1 | 3600 | 0.88 | 0.030 | 0.110 | 0.045 | 0.070 | 0.105 |
| RRS150 | 2 | 3600 | 1.00 | 0.030 | 0.130 | 0.045 | 0.070 | 0.105 |
| RRS190 | 3 | 3600 | 1.00 | 0.030 | 0.150 | 0.045 | 0.070 | 0.105 |
| RRS225 | 3 | 3600 | 1.00 | 0.030 | 0.170 | 0.045 | 0.070 | 0.105 |
| RRC226 | 4 | 3600 | 1.50 | 0.015 | 0.090 | 0.015 | 0.015 | 0.015 |
| RRC276 | 4 | 3600 | 1.63 | 0.015 | 0.100 | 0.015 | 0.015 | 0.015 |
| RRC280 | 4 | 3500 | 1.63 | 0.015 | 0.130 | 0.015 | 0.015 | 0.015 |
| RRC285 | 4 | 3200 | 1.62 | 0.015 | 0.145 | 0.015 | 0.015 | 0.015 |
| RRC295 | 4 | 2300 | 1.88 | 0.015 | 0.160 | 0.015 | 0.015 | 0.015 |
| RRC2955 | 4 | 2300 | 1.88 | 0.015 | 0.160 | 0.015 | 0.015 | 0.015 |

Note: 1. Angular misalignment is the difference between $X$ and $X(\max )$.
2. RRC295 and RRC2955 are the standard with minimum 4 inch spacers.

Table 5 Maximum RPM and Allowable Misalignment for LS \& CS Types

|  | Max. | G | Allowable Misalignment, inch |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Size | RPM | Dim | Parallel | Angular | Axial |
| LS090 | 9200 | 1.00 | 0.030 | 0.074 | 0.031 |
| LS095 | 9200 | 1.00 | 0.030 | 0.074 | 0.031 |
| LS099 | 7700 | 1.40 | 0.030 | 0.089 | 0.031 |
| LS100 | 7700 | 1.40 | 0.030 | 0.089 | 0.031 |
| LS110 | 5900 | 1.64 | 0.030 | 0.116 | 0.031 |
| LS150 | 5200 | 1.94 | 0.030 | 0.131 | 0.047 |
| LS190 | 4300 | 1.94 | 0.047 | 0.157 | 0.047 |
| LS276 | 3100 | 3.19 | 0.047 | 0.216 | 0.063 |
| CS280 | 2600 | 3.19 | 0.047 | 0.262 | 0.063 |
| CS285 | 2300 | 3.19 | 0.047 | 0.297 | 0.063 |

Table 6 Maximum RPM and Allowable Misalignment for CJ Types

|  | Max | G | Allowable Misalignment, inch |  | Allowable Misalignment, mm |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Size | RPM | DIM | Parallel | Angular | Axial | Parallel | Angular | Axial |
| CJ 14 | 19000 | 0.51 | 0.008 | 0.031 | 0.023 | 0.2 | 0.8 | 0.6 |
| CJ 19/24 | 14000 | 0.63 | 0.016 | 0.041 | 0.047 | 0.4 | 1.0 | 1.2 |
| CJ 24/32 | 10600 | 0.71 | 0.029 | 0.057 | 0.059 | 0.7 | 1.4 | 1.5 |
| CJ 28/38 | 8500 | 0.79 | 0.039 | 0.067 | 0.059 | 1.0 | 1.7 | 1.5 |
| CJ 38/45 | 7100 | 0.94 | 0.039 | 0.083 | 0.071 | 1.0 | 2.1 | 1.8 |
| CJ 42/55 | 6000 | 1.02 | 0.039 | 0.098 | 0.079 | 1.0 | 2.5 | 2.0 |
| CJ 48/60 | 5600 | 1.10 | 0.051 | 0.108 | 0.082 | 1.3 | 2.7 | 2.1 |
| CJ 55/70 | 4750 | 1.18 | 0.051 | 0.124 | 0.090 | 1.3 | 3.1 | 2.3 |
| CJ 65/75 | 4250 | 1.38 | 0.051 | 0.139 | 0.102 | 1.3 | 3.5 | 2.6 |
| CJ 75/90 | 3550 | 1.57 | 0.067 | 0.165 | 0.118 | 1.7 | 4.2 | 3.0 |
| CJ 90/100 | 2800 | 1.77 | 0.067 | 0.206 | 0.134 | 1.7 | 5.2 | 3.4 |
| CJ 100/110 | 2500 | 1.97 | 0.067 | 0.232 | 0.149 | 1.7 | 5.9 | 3.8 |
| CJ 110/125 | 2240 | 2.17 | 0.086 | 0.263 | 0.165 | 2.2 | 6.7 | 4.2 |
| CJ 125/145 | 2000 | 2.36 | 0.086 | 0.299 | 0.181 | 2.2 | 7.6 | 4.6 |



L, AL,CJ \& LC in Style 1
Figure 3


LS \& CS in Style 2
Figure 2


L,LC,C,CJ \& H in Styles 2 \& 3 Figure 4

Note: These values are valid for an operating temperature of $-13^{\circ}$ to $+86^{\circ} \mathrm{F}\left(-25^{\circ}\right.$ to $\left.+30^{\circ} \mathrm{C}\right)$.
If the temperature is higher, multiply the permissible misalignment value by the temperature factor.

| Temperature | $+86^{\circ}$ to $+104^{\circ} \mathrm{F}\left(+30^{\circ}\right.$ to $\left.+40^{\circ} \mathrm{C}\right)$ | $+104^{\circ}$ to $+140^{\circ} \mathrm{F}\left(+40^{\circ}\right.$ to $\left.+60^{\circ} \mathrm{C}\right)$ | $+140^{\circ}$ to $+212^{\circ} \mathrm{F}\left(+60^{\circ}\right.$ to $\left.+100^{\circ} \mathrm{C}\right)$ |
| :--- | :---: | :---: | :---: |
| Factor | 0.8 | 0.7 | 0.6 |



RRS-type in Styles 1 \& 2
Figure 5


RRS-type in Style 3
Figure 6


RRC-type in Style 4
Figure 7

