

INTRODUCTION

When it is necessary to limit the end float of Falk Steelflex couplings, carefully follow these instructions. This manual applies to Sizes 30 thru 260T10 & T20 and Sizes 1030 thru 1260T10 & T20 Falk Steelflex Tapered Grid Couplings. Unless otherwise stated, information for Sizes 1030 thru 1260 applies to Sizes 30 thru 260 respectively, e.g. 1030 = 30, 1100 = 100, etc.

CAUTION: Consult applicable local and national safety codes for proper guarding of rotating members. Observe all safety rules when installing or servicing couplings. Lockout starting switch of prime mover and remove all external loads from drive before installing or servicing couplings. During assembly, seal keyways to prevent leakage.

Sizes 1030 thru 1210T standard couplings connecting a horizontal shaft without axial movement (end float) to one with axial movement (such as in sleeve bearing motors), will limit the shaft end float to approximately 0.06 inches when assembled with gap disc and rung spacers as specified herein.

For Sizes 1220 thru 1260T couplings, spacer rings and gap discs limit the end float to approximately 0.19 inches. When end float is specified on the coupling purchase order, the spacer rings are welded to the hubs at the Factory as shown in Figure 2. When the coupling is modified in the field, it will be the customer's responsibility to weld the spacer rings to the hubs.

FIGURE 1 – Sizes 1220 thru 1260T

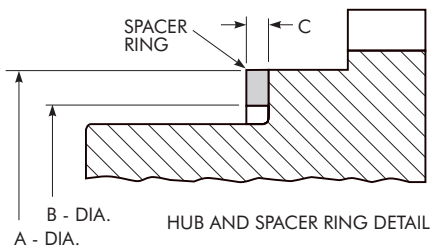
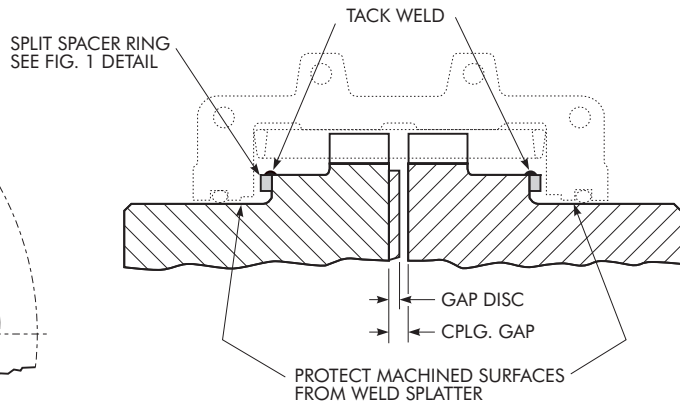
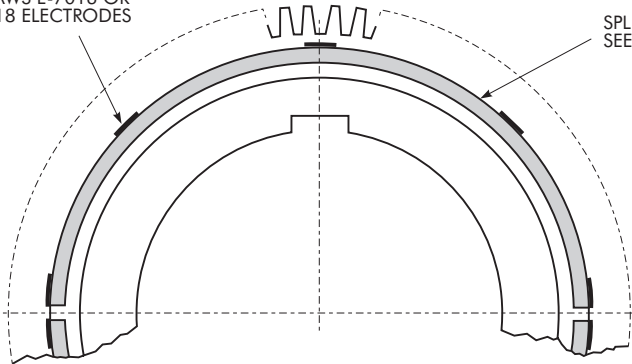


FIGURE 2 – Sizes 1220 thru 1260T Modification

TACK WELD ONE INCH LONG SPACED AS SHOWN
USE AWS E-7016 OR
E-7018 ELECTRODES



NOTE: COVER & GRID, REMOVED FOR SPACER RING WELDING, ARE SHOWN FOR ORIENTATION ONLY.

TABLE 1 — Sizes 1030 thru 1210T
Dimensions — Inches †

CPLG SIZE	Gap Disc		Rung Spacers-Fig.4		Cplg Gap
	Dia	Thickness	Per Cplg	L *	
1030	2.188	0.062	8	0.315	0.092
1040	2.500	0.062	8	0.315	0.092
1050	2.750	0.062	8	0.371	0.092
1060	3.000	0.062	8	0.371	0.092
1070	3.750	0.062	16	0.460	0.092
1080	4.375	0.125	16	0.500	0.155
1090	5.250	0.125	16	0.630	0.155
1100	6.000	0.188	16	0.650	0.218
1110	6.750	0.188	20	0.780	0.218
1120	7.500	0.250	20	0.830	0.280
1130	9.000	0.250	24	0.890	0.280
1140	10.500	0.250	32	1.010	0.280
1150	12.000	0.250	24	0.920	0.280
1160	13.500	0.250	32	1.120	0.280
1170	15.500	0.250	40	1.320	0.280
1180	17.000	0.250	32	1.000	0.280
1190	18.250	0.250	40	1.160	0.280
1200	21.500	0.250	40	1.360	0.280
1210	23.250	0.500	56	1.820	0.530

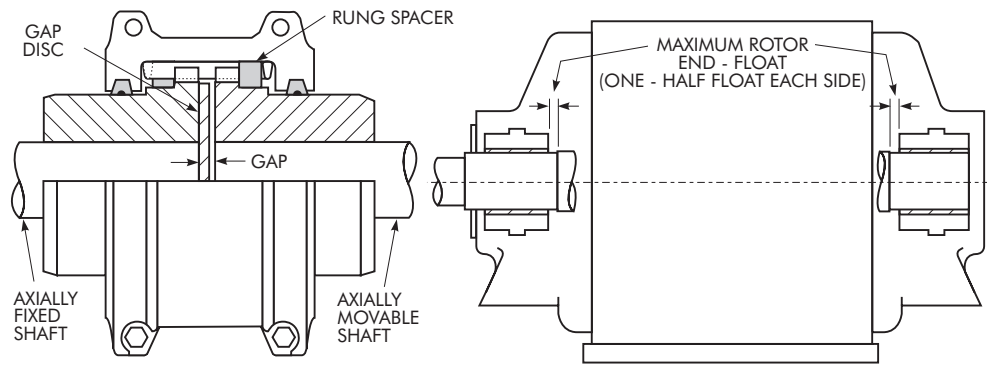
* Manufacturing tolerance is $\pm .020$ inches.

† 1020T — Limited End Float Not Available.

TABLE 2 — Sizes 1220 thru 1260T
Dimensions — Inches

CPLG SIZE	Gap Disc		Spacer Rings-Figure 1			Cplg Gap
	Dia	Thickness	A	B	C	
1220	25.88	0.500	24.5	23.5	0.250	0.590
1230	28.30	0.500	26.0	25.0	0.250	0.575
1240	31.00	0.500	27.5	26.5	0.250	0.575
1250	34.00	0.500	30.0	29.0	0.250	0.575
1260	37.20	0.500	32.0	31.0	0.188	0.582

FIGURE 3 – Sizes 1220 thru 1210T Typical Limited End Float



ASSEMBLY INSTRUCTIONS

Sizes 1030 thru 1260T

1. Mount coupling hubs and seal rings as instructed in the coupling service manual.
2. Position the floating shaft at the mid-point of travel and secure the shaft axially in this position for alignment.
3. Position equipment and align per the service manual.
IMPORTANT: Use the coupling gap specified in Table 1 for 1030 thru 1210T and Table 2 for 1220 thru 1260T. When setting gap, position the floating shaft at mid-point (center of travel).
4. Insert the gap disc between coupling hubs.
5. Pack coupling gap and hub grooves with lubricant and insert grids per service manual instructions.

Sizes 1030 thru 1210T

6. Insert rung spacers as follows per Figure 4.
Sizes 1030 thru 1060T — Insert FOUR rung spacers at Positions A & B in the last two loops at the end of the one-piece grid. Then insert four more at 180.
Sizes 1070 thru 1090T — Insert rung spacers at Positions A, B, C and D in the last four loops of EACH grid segment (eight spacers per grid segment).
Sizes 1100 thru 1210T — Insert rung spacers in every other grid loop as shown in Figure 4 at the right. Where additional rung spacers are provided, evenly space them in the open grid loops around the circumference of the grid.

Sizes 1030 thru 1260T

7. Complete coupling assembly and lubrication per the service manual. **NOTE:** Position cover halves so lugs inside the cover do not interfere with grid or any rung spacers. Cover halves should come together at split with a minimum amount of force.

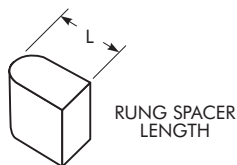
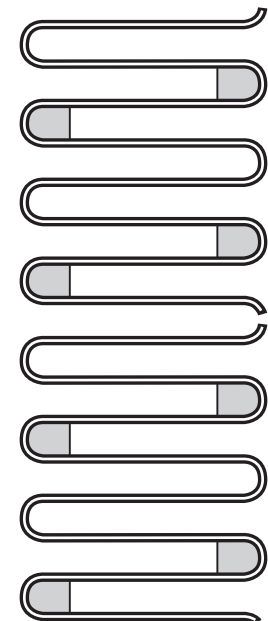
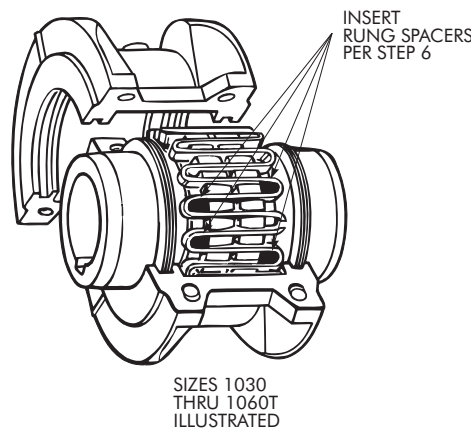
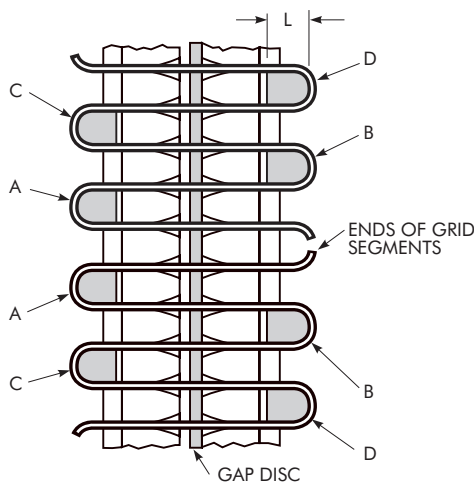


FIGURE 4 – Sizes 1030 thru 1210T Rung Spacer Locations



SIZES 1100 THRU 1210T