
Cross Reference Guide

SYSTEM
COMPONENTS, INC.

1635 Stieve Drive
South Haven, Michigan 49090
Phone 269-637-2191 FAX 269-637-8377

FLANGE TYPE GEAR COUPLINGS

SYSTEM COMPONENTS			ZURN			FALK			SIER-BATH			RENOLD-AJAX				DECK / POOLE				KOP-FLEX									
S	POWERTORK SERIES F		S	AMERIGEAR 200 SERIES		S	SERIES 1000 G		S	SERIES F		S	O-RING SEAL SERIES 6901		METAL SEAL SERIES 6901		S	MXB SERIES		S	SERIES 100		S	FASTS SERIES F		SERIES H		WALDRON	
	HP	MAX		HP	MAX		HP	MAX		HP	MAX		HP	MAX	HP	MAX		HP	MAX		HP	MAX		HP	MAX	HP	MAX	HP	MAX
I	PER	BORE	I	PER	BORE	I	PER	BORE	I	PER	BORE	I	PER	BORE	I	PER	BORE	I	PER	BORE	I	PER	BORE	I	PER	BORE	I	PER	BORE
E	100	SQ	E	100	SQ	E	100	SQ	E	100	SQ	E	100	SQ	E	100	SQ	E	100	SQ	E	100	SQ	E	100	SQ	E	100	SQ
	RPM	KEY		RPM	KEY		RPM	KEY		RPM	KEY		RPM	KEY		RPM	KEY		RPM	KEY		RPM	KEY		RPM	KEY		RPM	KEY
1	15	1.63	201 1/4	12	1.63	1010	12	1.38	1	8	1.63	1	12	1.63	-	-	1	10	1.63	-	-	-	1	-	-	12	1.63	10	1.63
1 1/2	31	2.19	201 1/4	27	2.25	1015	27	2.38	1 1/2	15	2.13	1 1/2	27	2.13	10	1.63	1 1/2	24	2.44	150	24	1.50	1 1/2	9.5	1.63	27	2.25	24	2.19
2	51	2.75	202	50	2.75	1020	50	2.88	2	41	2.75	2	50	2.75	23	2.13	2	50	2.75	200	50	2.00	2	22.5	2.13	50	2.75	50	2.75
2 1/2	90	3.50	202 1/2	85	3.50	1025	90	3.63	2 1/2	60	3.25	2 1/2	90	3.25	44	2.50	2 1/2	90	3.38	250	90	2.50	2 1/2	43.8	2.75	90	3.50	90	3.25
3	152	4.00	203	150	4.00	1030	150	4.13	3	88	4.00	3	140	4.00	76*	3.13	3	150	4.25	300	150	3.00	3	75.5	3.13	140	4.00	150	4.00
3 1/2	240	4.63	203 1/2	225	4.50	1035	230	4.88	3 1/2	162	4.63	3 1/2	205	4.50	120	3.50	3 1/2	230	5.00	350	230	3.50	3 1/2	120	3.75	205	4.50	230	4.75
4	340	5.50	204	340	5.50	1040	350	5.75	4	216	5.38	4	325	5.38	180	4.00	4	350	5.63	400	350	4.00	4	180	4.25	325	5.50	350	5.38
4 1/2	465	6.00	204 1/2	515	6.25	1045	480	6.50	4 1/2	315	6.00	4 1/2	440	6.00	250	4.50	4 1/2	450	6.50	450	480	4.50	4 1/2	250	4.75	440	6.00	480	6.00
5	650	6.88	205	660	6.63	1050	650	7.00	5	579	6.50	5	610	6.63	350	5.25	5	650	7.00	500	650	5.00	5	350	5.50	610	6.88	650	6.75
5 1/2	860	7.75	205 1/2	875	7.50	1055	850	7.75	5 1/2	683	7.38	5 1/2	800	7.50	485	6.00	5 1/2	850	7.75	550	850	6.25	5 1/2	465	5.88	800	7.75	850	7.38
6	1110	8.75	206	1190	8.25	1060	1100	8.75	6	880	8.00	6	1050	8.13	605	6.38	6	1100	8.75	600	1100	7.19	6	605	6.50	1050	8.63	1100	8.25
7	1690	10.38	207	1640	9.63	1070	1600	10.00	7	1365	9.00	7	1600	9.63	960	7.50	7	1600	9.75	700	1600	8.38	7	960	8.00	1600	10.38	1600	9.25

CONTINUOUS SLEEVE TYPE GEAR COUPLINGS

SYSTEM COMPONENTS			ZURN			KOP-FLEX			SIER-BATH		
S	POWERTORK SERIES S		S	AMERIGEAR SERIES C		S	WALDRON POWERLIGN		S	C LINE	
	HP	MAX		HP	MAX		HP	MAX		HP	MAX
I	PER	BORE	I	PER	BORE	I	PER	BORE	I	PER	BORE
E	100	SQ	E	100	SQ	E	100	SQ	E	100	SQ
	RPM	KEY		RPM	KEY		RPM	KEY		RPM	KEY
6	4.5	1.06	100	3	.81	-	-	-	-	-	-
8	7	1.31	101	5	1.25	1-1/8 PL	4	1.25	7/8	4	1.25
10	15.5	1.63	101 1/4	12	1.63	1-5/8 PL	12	1.75	1 1/2	12	1.25
12	22	1.94									
15	31	2.13	101 1/2	30	2.00	1-1/2 P	24	2.19	2	32	2.13
20	51	2.75	102	50	2.63	2 P	50	2.75	2 1/2	48	2.63
25	90	3.25	102 1/2	85	3.13	2-1/2 P	90	3.25	3	80	3.13
30	152	3.75	103	150	3.75	3 P	150	4.00	3 1/2	140	3.63
35	240	4.25	103 1/2	200	4.38	3-1/2 P	230	4.75	4	200	4.13
40	360	5.00	104	300	5.00	4 P	350	5.38	4 1/2	292	4.75
45	530	5.50	104 1/2	400	5.38	-	-	-	5	430	5.75

SERIES "F" NOTES:

- 1) ZURN series C sizes 100,101 AND 104 1/4 use the same flex hubs as ZURN 200 series F sizes 200,201 and 201 1/4 flanged couplings.
- 2) KOP-FLEX sizes 1 1/2, 2, 2 1/2, 3, 3 1/2 and 4 P use the same flex hubs as WALDRON type W sizes 1 1/2, 2, 2 1/2, 3, 3 1/2 and 4 flanged couplings.
- 3) SYSTEM COMPONENTS series S sizes 15 and 20 use the same flex hubs as series F sizes 1 1/2 and 2 flanged couplings.
- 4) Reference Data Sheet DS100.

SERIES "S" NOTES:

- 1) ZURN series C sizes 100,101 AND 104 1/4 use the same flex hubs as ZURN 200 series F sizes 200,201 and 201 1/4 flanged couplings.
- 2) KOP-FLEX sizes 1 1/2, 2, 2 1/2, 3, 3 1/2 and 4 P use the same flex hubs as WALDRON type W sizes 1 1/2, 2, 2 1/2, 3, 3 1/2 and 4 flanged couplings.
- 3) SYSTEM COMPONENTS series S sizes 15 and 20 use the same flex hubs as series F sizes 1 1/2 and 2 flanged couplings.
- 4) Reference Data Sheet DS104.

SERIES "EL" NOTES:

- 1) T.L. = TAPER-LOCK® bushing. TAPER-LOCK® is a registered trademark of DODGE / Reliance Electric Co.
- 2) B.B.S. = Bored To Size with square key.
- 3) Q.D. = Quick Disconnect Bushing.
- 4) This guide shows proper coupling selection for 1750 RPM NEMA frame motors on centrifugal pump applications. Manufacturers recommended service factors have been applied.
- 5) Reference Data Sheet DS106.

ELASTOMERIC COUPLINGS

1750 RPM NEMA MOTORS			SYSTEM COMPONENTS FLEXTORK			FALK TORUS			DODGE PARAFLEX			T.B. WOODS SUREFLEX			REXNORD OMEGA			KOP-FLEX ELASTOMERIC		
HP	FRAME	SHAFT DIA.	SIZE	MAX. BORE		SIZE	MAX. BORE		SIZE	MAX. BORE		SIZE	MAX. BORE		SIZE	MAX. BORE		SIZE	MAX. BORE	
				T.L.	B.B.S.		T.L.	B.B.S.		T.L.	B.B.S.		T.L.	B.B.S.		T.L.	B.B.S.			
1/2	143T	7/8	20	1.13	1.63	20WA	1.13	1.38	PB40	1.13		3J		.88	E2	1.13	20	1.13	1.13	
															E4		30			
3/4	143T	7/8	20	1.13	1.63	20WA	1.13	1.38	PB40	1.13		3J		.88	E2	1.13	20	1.13	1.13	
															E4		30			
1	143T	7/8	20	1.13	1.63	20WA	1.13	1.38	PB40	1.13		3J		.88	E2	1.13	20	1.13	1.13	
															E4		30			
1-1/2	145T	7/8	20	1.13	1.63	20WA	1.13	1.38	PB40	1.13		4J		1.00	E2	1.13	20	1.13	1.13	
															E4		30			
2	145T	7/8	20	1.13	1.63	20WA	1.13	1.38	PB40	1.13		4J		1.00	E2	1.13	20	1.13	1.13	
															E4		30			
3	182T	1-1/8	20	1.13	1.63	20WA	1.13	1.38	PX50	1.13	1.38	5J		1.13	E2	1.13	20	1.13	1.13	
															E5		30			
5	184T	1-1/8	20	1.13	1.63	20WA	1.13	1.38	PX60	1.38	1.63	5J		1.13	E2	1.13	20	1.13	1.13	
															E5		30			
7-1/2	213T	1-3/8	20	1.63	1.63	20WA	1.38	1.38	PX60	1.38	1.63	6J		1.38	E3	1.38	30	1.50	1.50	
			40			40WA									8		E10			50
10	215T	1-3/8	20	1.63	1.63	20WA	1.38	1.38	PX60	1.38	1.63	6J		1.38	E3	1.38	30	1.50	1.50	
			40			40WA									8		E10			50
15	254T	1-5/8	20	1.63	1.63	30WA	1.63	1.63	PX70	1.63	2.13	8S		1.94	E4	1.63	40	1.88	1.88	
			40			50WA									9S		E20			50
20	256T	1-5/8	20	1.63	1.63	40WA	1.88	1.88	PX70	1.63	2.13	8S		1.94	E5	1.88	40	1.88	1.88	
			40			50WA									9S		E20			50
25	284T	1-7/8	30	2.00	2.25	40WA	1.88	1.88	PX70		2.13	8S		1.94	E5	1.88	50	2.13	2.13	
			50			60WA									10S		E20			60
30	286T	1-7/8	30	2.00	2.25	40WA	1.88	1.88	PX70		2.13	9S		2.38	E10	2.13	50	2.13	2.13	
			50			60WA									10S		E30			60
40	324T	2-1/8	30	3.00	2.25	50WA	2.19	2.19	PX70		2.13	9S		2.38	E10	2.13	60	2.88	2.88	
			60			70WA									10S		E40			70
50	326T	2-1/8	30	3.00	2.25	50WA	2.19	2.19	PX80		2.56	10S		2.75	E20	2.38	60	2.88	2.88	
			60			70WA									10S		E40			70
60	364T	2-3/8	40	3.00	2.63	60WA	2.50	2.50	PX80		2.56	10S		2.75	E20	2.38	70	3.00	3.00	
			60			70WA									12S		E40			70
75	365T	2-3/8	40	3.00	2.63	60WA	2.50	2.50	PX80		2.56	11S		3.38	E30	2.88	70	3.00	3.00	
			60			70WA									12S		E40			70
100	404T	2-7/8	50	3.00	3.50	70WA	3.00	3.00	PX100		3.25	11S		3.38	E30	2.88	70	3.00	3.00	
			60			80WA									13S		E60			80
125	405T	2-7/8	50	3.00	3.50	80WA	3.50	3.50	PX100		3.25	12S		3.88	E40	3.38	70	3.00	3.00	
			60			80WA									13S		E60			80
150	444T	3-3/8	50	4.00	3.50	80WA	3.50	3.50	PX110		3.94	12S		3.88	E40	3.38	80	3.75	3.75	
			70			100WA									12S		E70			90
200	445T	3-3/8	50	4.00	3.50	90WA	4.00	4.00	PX110		3.94	13S		4.50	E50	3.63	80	3.75	3.75	
			70			100WA									13S		E70			90
250	505U	3-3/8	50	4.00	3.50	90WA	4.00	4.00	PX120		4.00	13S		4.50	E60	4.00	90	4.75	4.75	
			70			100WA									13S		E70			90
300	584U	3-7/8	60	4.00	5.25	100WA	5.00	5.00	PX120		4.00	14S		5.00	E60	4.00	90	4.75	4.75	
			70			110WA									14S		E80			90
350	585U	3-7/8	60	4.00	5.25	100WA	5.00	5.00	PX140		4.50	14S		5.00	E70	4.50	90	4.75	4.75	
			70			110WA									14S		E80			90

This Guide is for standard couplings only.

The following conditions apply to the information in this Cross Reference Guide:

- 1) Component parts are not interchangeable between manufacturers.
Couplings are interchangeable by halves only.**
- 2) Maximum bores are with standard keyways. Larger bores are available
with reduced depth keyways.**