

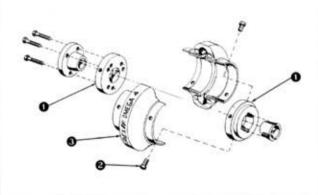
Rexnord

REX OMEGA® COUPLINGS NO OTHER COUPLING CAN OFFER **ALL THESE FEATURES & BENEFITS**



Features	Benefits
Split-In-Half Flex Element Design	Easy replacement without moving the hubs or connected equipment
Polyurethane Flex Element	No lubrication required, excellent chemical resistance
Torsionally Soft	Protects equipment by cushioning shock loads and torsional vibration
High Misalignment Capacity	Accommodates unavoidable misalignment with low reactionary forces
Visual Inspection	No need for coupling disassembly to inspect
Interchangeable Hubs	Standard and spacer coupling hubs are identical
Adjustable Spacer	One spacer coupling size can accommodate different shaft separations

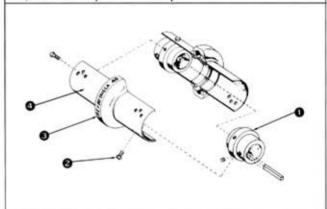
Rex Omega Standard Coupling Standard "close coupled" design available in 15 sizes covering applications up to 425,250 in-lbs torque and bores up to 9.00".



- Reversible hubs are available from "stock" with rough bore, finished straight bore, or bored to accept compression bushings. Consult factory for tapered bores, splines and other special bore requirements.
- Premium grade capscrews with self-locking patches. Also available in stainless steel.

Rex Omega Spacer Coupling

Spacer design available in 12 sizes covering applications up to 49,375 in-lbs torque and bores up to 6.00".



- Tough, two-piece urethane flex element transmits torque, accepts misalignment, reduces vibration and noise and is not seriously affected by petroleum products or most chemicals.
- Formed metal shoes with optional hub mounting patterns satisfy ANSI, DIN and ISO spacer requirements. Shoes are coated to help resist corrosion. Available in stainless steel.

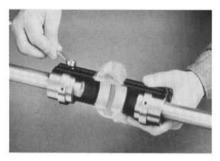
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REX OMEGA® COUPLINGS INSTALLATION...AS SIMPLE AS PEELING AN ORANGE



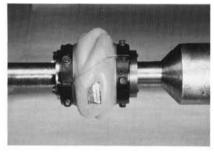
Mount one hub to shaft, leave other hub loose for adjustment of spacing.



Place half of the Omega element around hubs and secure with selflocking capscrews. Omega element will space the other hub. Now secure the other hub.



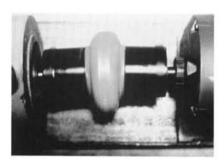
Mount other half of the Omega element. Tighten all capscrews to recommended torques below and you're done! Refer to the installation instructions for further details.



Severe static testing (5 x rating) shows element flexibility, rugged design, and positive adhesive bond to the metal shoes.

Tested Tough

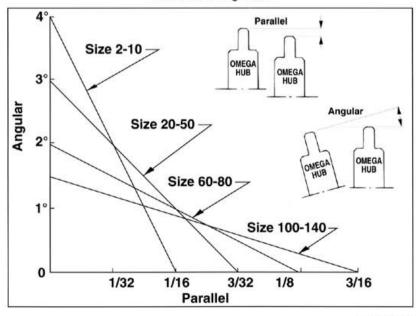
Rigorous testing demonstrates that the Rex Omega coupling protects connected equipment from the damaging effects of misalignment, vibration, and gross overload. Where other coupling designs might allow equipment damage, the super flexible element of Rex Omega couplings minimizes the reactionary forces on equipment bearings under severe misalignment conditions and reduces the effects of excessive shock overloads.



Demonstrates coupling's ability to accept severe misalignment.

Omega Coupling

Allowable Misalignment



—IMPORTANT— RECOMMENDED CAPSCREW TORQUE FOR PROPER INSTALLATION

Cplg.	Torque	- Dry
Size	In. Lbs.	Ft. Lbs.
2 3 4 5	204	17
20 30 40 50	360	30
60 70 80	900	75
100 120	3240	270
140	7080	590

NOTE: Capscrews have self-locking patches which should not be reused more than twice. Capscrews can be further used if a thread locking adhesive is applied.

Do NOT Lubricate Capscrew Threads

Note:

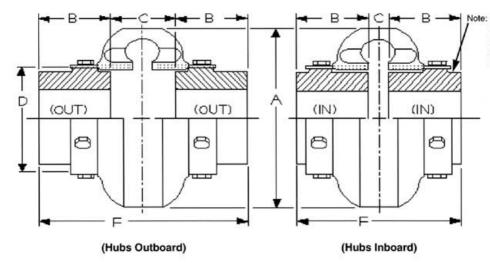
Any combination of parallel and angular misalignment which falls under the triangle will not cause a premature fatigue failure of the flexible element in normal use.

Important Note:

Coupling alignment is directly related to smooth, efficient equipment operation. Care should be taken for best possible alignment.

OMEGA® STANDARD COUPLING WITH STRAIGHT BORE HUBS





Note: Hub/shoulder design varies per coupling size. Consult Rexnord for specific size assembly drawings.

Specification Data With Straight Bore Hubs

Standard	Recom.	HP/100	Continuous	May			Dime	ensions Ir	Inches			Weight
Omega	Max. Bore	RPM	Torque	Max. RPM	A	В	(D		F	(Lb.)
No.	(ln.) ⊕	0	(In. Lbs.) ❷	in w	A	В	(ln.)	(Out)	U	(ln.)	(Out)	•
E2	1.13	.30	190	7500	3.50	.94	1.34	1.90	1.85	3.22	3.78	1.2
E3	1.38	.58	365	7500	4.00	1.50	.81	1.31	2.32	3.81	4.31	2.4
E4	1.63	.88	550	7500	4.56	1.69	.44	1.31	2.60	3.81	4.69	3.0
E5	1.88	1.48	925	7500	5.38	1.75	.81	1.81	3.13	4.31	5.31	5.4
E10	2.13	2.30	1450	7500	6.38	1.88	.56	1.81	3.65	4.31	5.56	8.2
E20	2.38	3.65	2300	6600	7.25	2.06	.50	2.38	4.48	4.62	6.50	13.0
E30	2.88	5.79	3650	5800	8.25	2.31	.56	2.44	5.42	5.19	7.06	21.2
E40	3.38	8.85	5500	5000	9.50	2.50	.56	2.68	6.63	5.56	7.68	35
E50	3.63	12.14	7650	4200	11.00	2.75	.63	3.38	8.13	6.13	8.88	54
E60	4.00	19.84	12,500	3800	12.50	3.25	.69	3.44	8.75	7.19	9.94	72
E70	4.50	35.12	22,125	3600	14.00	3.62	.75	3.75	9.25	8.00	11.00	86
E80	6.00	62.70	39,500	2000	16.00	4.87	.75	5.00	11.25	10.50	14.75	170
E100	6.75	135	85,050	1900	21.00	5.50	1.75	3.75	14.13	12.75	14.75	244
E120	7.50	270	170,100	1800	25.00	6.00	2.25	4.88	17.63	14.24	16.88	425
E140	9.00	540	340,200	1500	30.00	7.00	3.00	5.00	20.88	17.00	19.00	746

- Standard hubs. See page E-16 for steel hub maximum bores.
- ❷ Service factor = 1.0
- With maximum bore standard hubs.

Split-In-Half Flex Element

Allows disassembly and replacement without disturbing hubs or connected equipment.

Reversible Hubs

Accommodates different shaft spacing requirements, and allows compression bushings to be installed from either side of the hub.



Straight Bore Hubs



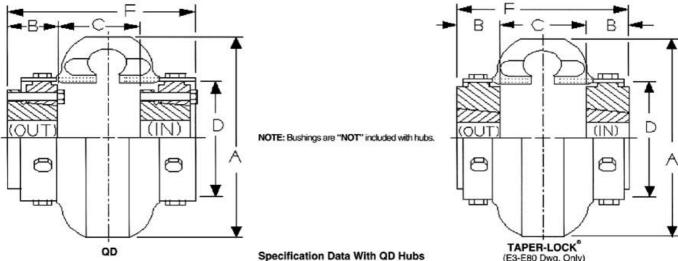
QD Hubs and Bushings



TAPER-LOCK® Hubs and Bushings



OMEGA® STANDARD COUPLING WITH COMPRESSION BUSHED HUBS



Omega	QD	Recom.	HP/100	Continuous				Dime	ensions Ir	Inches			Weight
Coupling	Bush.	Max. Bore	RPM	Torque	Max. RPM			C				F	(Lb.)
No.	No.	(in.) O	0	(In. Lbs.) @	RPM	Α	В	(In.) 0	(Out)	D	(In.) O	(Out)	`⊕′
E4	JA	1.25	.88	550	7500	4.56	1.00	1.22	1.88	2.60	3.22	3.88	2.1
E5	SH	1.63	1.48	925	7500	5.38	1.25	1.75	1.88	3.13	4.25	4.50	3.6
E10	SDS	1.94	2.30	1450	7500	6.38	1.31	1.19	2.31	3.65	3.81	4.94	4.8
E20	SK	2.50	3.65	2300	6600	7.25	1.88	0.62	2.62	4.48	4.25	6.38	8.5
E30	SF	2.81	5.79	3650	5800	8.25	2.00	1.44	2.19	5.42	5.44	6.19	14.0
E40	E	3.50	8.85	5500	5000	9.50	2.63	1.25	1.75	6.63	6.50	7.00	23.8
E50	E	3.50	12.14	7650	4200	11.00	2.63	1.37	2.88	8.13	6.63	8.13	37.6
E60	F	3.94	19.84	12,500	3800	12.50	3.63	1.50	1.89	8.75	8.75	9.13	45.5
E70	J	4.50	35.12	22,125	3600	14.00	4.50	1.31	1.43	9.25	10.31	10.43	68.1
E80	М	5.50	62.70	39,500	2000	16.00	6.75	0.75	1.25	11.25	14.25	14.75	140
E100	М	5.50	135	85,050	1900	21.00	6.80	1.75	1.16	14.13	15.34	14.75	250
E120	N	6.00	270	150,000@	1800	25.00	8.12	1.74	1.16	17.63	17.96	17.38	475
E140	Р	7.00	540	250,000@	1500	30.00	9.36	0.30	3.00	20.88	21.78	19.00	782

NOTE: Dimensions may vary depending on bushing manufacturer.

Specification Data With TAPER-LOCK® Hubs

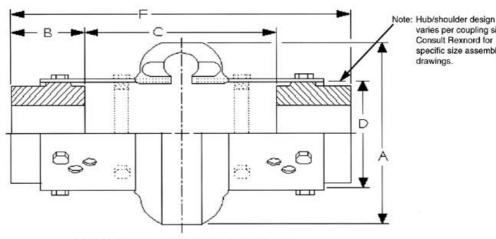
Omega		Recom.	HP/100	Continuous	202000			Dime	nsions Ir	Inches			Weight
Coupling No.	Bush. No.	Max. Bore (In.) 0	RPM ❷	Torque (In. Lbs.) @	Max. RPM	A	В	c	;	D	F		(Lb.)
E3	1008	1.00	.58	365	7500	4.00	.88	1.0	68	2.32	3.	44	1.8
E4	1008	1.00	.88	550	7500	4.56	.88	1.0	68	2.60	3.	44	2.6
E5	1108	1.13	1.48	925	7500	5.38	.88	2.	19	3.13	3.	94	4.0
E10	1310	1.44*	2.30	1450	7500	6.38	1.00	2.0	06	3.65	4.	06	6.0
E20	1610	1.69*	3.65	2300	6600	7.25	1.00	2.	50	4.48	4.	50	9.0
E30	2012	2.12*	5.79	3650	5800	8.25	1.25	2.	56	5.42	5.	06	13.6
E40	2517	2.69*	8.85	5500	5000	9.50	1.75	2.3	38	6.63	5.	88	21.8
E50	2517	2.69*	12.14	7650	4200	11.00	1.75	3.0	00	8.13	6.	50	31.5
E60	3020	3.25*	19.84	12,500	3800	12.50	2.00	3.	31	8.75	7.	31	46.6
E70	3535	3.94	35.12	22,125	3600	14.00	3.50	2.	38	9.25	9.	38	66.7
E80	4040	4.44	62.70	39,500	2000	16.00	4.00	3.	75	11.25	11.	75	82
11000.5								(ln.) 😉	(Out)		(ln.) 0	(Out)	
E100	4545	4.94	135	85,050	1900	21.00	4.50	1.50	6.00	14.13	10.50	15.00	250
E120	5050	5.00	270	126,000 3	1800	25.00	5.00	2.00	7.13	17.63	12.00	17.13	408
E140	7060€	7.00€	540	340,200	1500	30.00	6.00	3.00	7.00	20.88	15.00	19.00	660

- With shallow keyway. * With steel bushings.
- Service Factor = 1.0. This rating may be lower if limited by the bushing rating, particularly if severe service conditions exist. Consult bushing manufacturer.
- Without compression bushings.
- O Inboard hub mounting (see drawing page E-4) requires bushing installation from coupling ends. Allow space (extra "B" dimension) between coupling ends and equipment for bushing assembly/disassembly. Reverse taper hubs are available; consult Rexnord.
- A 8065 bushing hub with 8.00" max bore is also available. Consult Rexnord.
- Maximum bushing rating.
- ® TAPER-LOCK® is the registered trademark of Reliance Electric Company.

OMEGA® SPACER COUPLING WITH STRAIGHT BORE HUBS



varies per coupling size. Consult Rexnord for specific size assembly drawings.



Specification Data With Straight Bore Hubs

Spacer	Recom.	HP/100	Continuous	Max.			Dime	nsions In	Inches			Weight
Omega	Max Bore	RPM	Torque	RPM	020		C		_			(Lb.)
No.0	(In.)	0	(In. Lbs.) @	0	A	В	Min. 🛛	Max.	D	Min. €	Max.	·œ
ES2-R	1.13	.30	190	7500	3.50	.94	3.50	4.00	1.85	5.75	5.92	2.3
ES3-R	1.38	.58	365	7500	4.00	1.50	3.50	5.00	2.32	7.25	8.00	4.0
ES4-R	1.63	.88	550	7500	4.56	1.69	3.50	5.00	2.60	7.25	8.38	5.1
ES5-R	1.88	1.48	925	7500	5.38	1.75	3.50	5.00	3.13	7.25	8.50	7.5
ES10-R	2.13	2.30	1450	7500	6.38	1.88	3.50	5.00	3.65	7.25	8.75	10.3
ES20	2.38	3.65	2300	4800	7.25	2.06	2.55	7.00	4.48	9.38	11.12	15.6
ES30	2.88	5.79	3650	4200	8.25	2.31	2.05	7.00	5.42	9.38	11.62	25.1
ES40	3.38	8.85	5500	3600	9.50	2.50	1.67	7.00	6.63	9.38	12.00	40
ES50	3.63	12.14	7650	3100	11.00	2.75	1.17	7.00	8.13	9.38	12.50	60
ES60	4.00	19.84	12,500	2800	12.50	3.25	2.67	9.75	8.75	12.50	16.25	84
ES70	4.50	35.12	22,125	2600	14.00	3.62	1.99	9.75	9.25	12.50	17.00	102
ES80	6.00	62.70	39,500	1800	16.00	4.87	2.18	9.75	11.25	12.50	19.50	180

- Suffix "R" designates high speed ring design. Rings are furnished as standard for sizes ES2-R to ES10-R, optional on sizes ES20 to ES80.
- Service factor = 1.0
- 9 Spacer couplings furnished with optional high speed rings (sizes ES20 to ES80) can be operated up to the maximum speeds for standard series couplings. See RPM ratings on page E-4.
- Minimum shaft spacing is 0.25 inch. See page E-8 for additional information.
- Overall length of element.
- With max bore standard hubs.

Adjustable Spacer Design

Optional hole mounting positions and reversible hub features allow adjustment to accommodate most shaft spacing requirements (see Page E-8).

Straight Bore Hubs

Universal Hubs

Straight bore and compression bushed hub designs are identical and interchangeable for both the spacer and standard couplings. This means maximum utilization of off the shelf inventory.

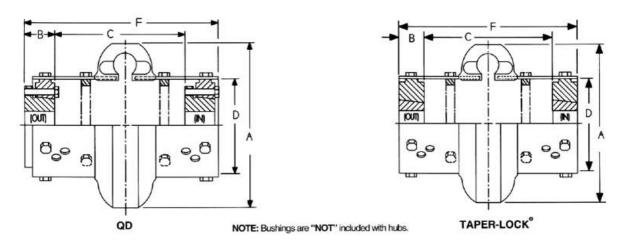


QD Hubs and Bushings



TAPER-LOCK Hubs and Bushings

OMEGA® SPACER COUPLINGS WITH COMPRESSION BUSHED HUBS



Specification Data With QD Hubs

Spacer	QD	Recom.	HP/100	Continuous	Max			Dime	nsions Ir	Inches			Weight
Omega	Bush.	Max.	RPM	Torque	RPM	2.		C	;	_	3	F	(Lb.)
No. O	No.	Bore (In.) ❷	•	Rating (In. Lbs.) 6	0	Α	В	Min. ⊕	Max.	D	Min.	Max.	0
ES4-R	JA	1.25	0.88	550	7500	4.56	1.00	3.24	5.56	2.60	7.25	7.71	4.2
ES5-R	SH	1.63	1.48	925	7500	5.38	1.25	3.51	5.06	3.13	7.25	7.82	5.7
ES10-R	SDS	1.94	2.30	1450	7500	6.38	1.31	3.60	5.49	3.65	7.25	8.24	6.9
ES20	SK	2.50	3.65	2300	4800	7.25	1.88	2.82	6.96	4.48	9.38	10.84	11.1
ES30	SF	2.94	5.79	3650	4200	8.25	2.00	3.36	6.44	5.42	9.38	10.32	17.9
ES40	E	3.44	8.85	5500	3600	9.50	2.63	2.94	5.74	6.63	9.38	10.71	28.8
ES50	E	3.44	12.14	7650	3100	11.00	2.63	2.44	6.24	8.13	9.38	11.21	43.6
ES60	F	3.94	19.84	12,500	2800	12.50	3.63	4.25	7.68	8.75	12.50	14.65	57.4
ES70	J	4.44	35.12	22,125	2600	14.00	4.50	3.50	6.72	9.25	12.52	15.40	84.1
ES80	M	5.50	62.70	39,500	1800	16.00	6.75	1.35	4.76	11.25	14.17	17.58	150.0

NOTE: Dimensions may vary depending on bushing manufacturer.

Specification Data With TAPER-LOCK® Hubs

Spacer	03200000	Recom.	HP/100	Continuous	Max			Dime	nsions In	Inches			Weight
Omega	Bush.	Max	RPM	Torque	RPM		_	C		-		F	(Lb.)
No.0	No.	Bore (ln.) ❷	6	Rating (In. Lbs.) ❸	0	A	В	Min.⊕	Max.	D	Min.	Max.	0
ES3-R	1008	1.00	0.58	365	7500	4.00	0.88	3.83	5.38	2.32	7.25	7.25	3.2
ES4-R	1008	1.00	0.88	550	7500	4.56	0.88	3.83	5.38	2.60	7.25	7.25	4.2
ES5-R	1108	1.13	1.48	925	7500	5.38	0.88	3.83	5.38	3.13	7.25	7.25	6.0
ES10-R	1310	1.44*	2.30	1450	7500	6.38	1.00	3.71	5.25	3.65	7.25	7.25	7.9
ES20	1610	1.69*	3.65	2300	4800	7.25	1.00	4.84	6.75	4.48	9.38	9.38	11.9
ES30	2012	2.12*	5.79	3650	4200	8.25	1.25	4.59	6.50	5.42	9.38	9.38	18.0
ES40	2517	2.69*	8.85	5500	3600	9.50	1.75	4.09	6.00	6.63	9.38	9.59	26.8
ES50	2517	2.69*	12.14	7650	3100	11.00	1.75	4.09	6.00	8.13	9.38	9.59	37.4
ES60	3020	3.25*	19.84	12,500	2800	12.50	2.00	6.09	8.75	8.75	12.50	12.84	60.7
ES70	3535	3.94	35.12	22,125	2600	14.00	3.50	4.59	7.34	9.25	12.50	14.34	81.4
ES80	4040	4.44	62.70	39,500	1800	16.00	4.00	4.09	6.84	11.25	12.50	14.84	93.2

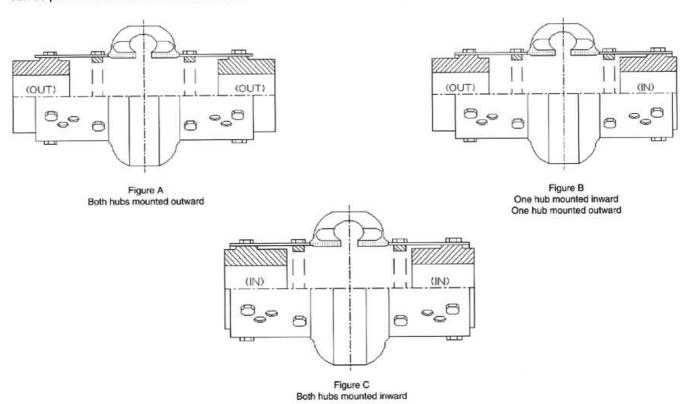
- O Suffix "R" designates high speed ring design. Rings are furnished standard for sizes ES2-R to ES10-R, optional for sizes ES20 to ES80.
- With shallow keyway. *With extended bore bushings.
- Service factor = 1.0. This rating may be lower if limited by the bushing rating, particularly if severe service conditions exist. Consult bushing manufacturer.
- Spacer couplings furnished with optional high speed rings (sizes ES20 to ES80) can be operated up to maximum allowable speeds for standard series
 couplings.
- Minimum shaft spacing is 0.25 inch. See page E-8 for additional information.
- Without compression bushings.
- ® TAPER-LOCK® is the registered trademark of Reliance Electric Company.

OMEGA® SPACER COUPLING "ADJUSTABILITY"

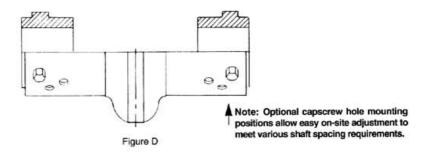


Shaft Spacing Possibilities (Using Straight Bore Hubs)

The Omega spacer coupling design (page E-6 & E-7) provides a clear space between hubs. There are no interfering center members or spools. Thus, shaft spacings as small as 1/4 inch can be achieved. However, for such small spacings, use of the standard Omega coupling would be recommended. The maximum shaft spacing for each coupling is shown on page E-6 & E-7. Any ANSI, ISO or DIN spacing between 1/4 inch and the maximum listed can be achieved without any additional parts. Hubs can be placed on the shafts as shown below.

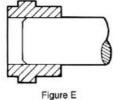


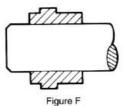
Use one half of the flex element to establish shaft spacing and appropriate mounting position. Optional hole mounting positions and reversible hubs allow adjustments as needed. Select the combination which most closely matches the dimensions desired between shafts (Figure D). Drawings with specific mounting positions/dimensions are available from Rexnord.



Hubs can be flush with the shaft end (not shown), extended beyond the end of the shaft (Figure E) or recessed behind the shaft end provided there is sufficient keyway engagement (Figure F). Special sleeve extensions (See Page E-9) are available for spacing requirements in excess of those listed on pages E-6 & E-7.

Note: Shaft engagement should be equal to or greater than .8 times shaft diameter. 100% shaft engagement is suggested for compression bushed hubs.



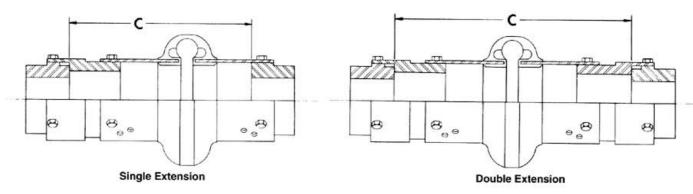


Rexnord

OMEGA® EXTENDED SPACER COUPLING

Omega extended spacer couplings are designed to connect equipment with shaft spacing requirements beyond the Omega spacer coupling capabilities. They are ideal for applications with wide non-standard shaft gaps, and can be an economic alternative to floating shaft couplings (i.e. stock pump applications.)

Sleeve extensions ("SE") are furnished in steel. They mount to regular Omega spacer elements (standard elements for sizes E100 & E120) and cast iron or steel hubs — straight bore or compression bushed design. By adjusting the hub/shaft engagement (see figures E & F on page E-8) and spacer element mounting position, the Omega extended spacer coupling can be utilized for many shaft spacing requirements.



Maximum Spacing - "C" Dimension - Inches

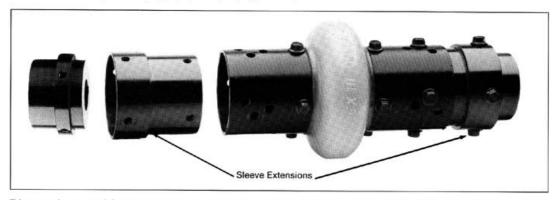
Spacer	Max.	Max. RPM ❷	Wit	h SHRB H	ubs	W	th HQD H	ıbs	Wi	th HTL Hu	bs	Weight (Lb.) One SE
Coupling Size	RPM Std.	Matched Assembly	Max. Without SE	One SE	Two SE	Max. Without SE	One SE	Two SE	Max. Without SE	One SE	Two SE	
ES3-R	1800	3600	5.00	7.00	9.00				5.38	7.38	9.38	1.2
ES4-R	1800	3600	5.00	7.00	9.00	5.56	7.56	9.56	5.38	7.38	9.38	1.4
ES5-R	1800	3600	5.00	7.00	9.00	5.06	7.06	9.06	5.38	7.38	9.38	1.5
ES10-R	1800	3600	5.00	7.00	9.00	5.49	7.49	9.49	5.25	7.25	9.25	1.6
ES20	1800	3600	7.00	9.75	12.50	6.96	9.71	12.46	6.75	9.50	12.25	3.7
ES30	1800	3600	7.00	9.75	12.50	6.44	8.97	11.72	6.50	9.25	12.00	4.5
ES40	1800	3600	7.00	9.75	12.50	5.74	8.23	10.98	6.00	8.75	11.50	5.3
ES50	1800	3100	7.00	9.75	12.50	6.24	8.73	11.48	6.00	8.75	11.50	8.0
ES60	1800	2800	9.75	14.38	19.00	7.68	12.31	16.93	8.75	13.38	18.00	20.8
ES70	1800	2600	9.75	15.13	20.50	6.72	12.10	17.47	7.34	12.72	18.09	34.6
ES80	1500	1800	9.75	15.38	21.00	4.76	10.39	16.01	6.84	12.37	18.00	46.2
E100	1500	1800	3.75	8.75	13.75	1.75	7.00	12.25	6.00	11.25	16.50	76.0
E120	1500	1800	4.88	10.13	15.38	1.74	6.74	11.74	7.13	12.13	17.13	81.3

- Maximum spacings shown are with hubs mounted outward and flush with shaft ends. Longer custom length extensions are available; consult Rexnord.
- Hub/sleeve extension assembly precisely machined and matched to obtain higher speed rating. Specify "Matched Assembly" when ordering.

ORDER INFORMATION: When ordering, be sure to specify whether one or two sleeve extensions are required. If custom length, specify distance between shaft ends.

· Optional sleeve extensions ("SE")

An economical alternative to floating shaft couplings (i.e., stock pump applications).



OMEGA® PILOTED FLOATING SHAFT COUPLINGS (COOLING TOWER DRIVE COUPLINGS)



Super Flexible Polyurethane Elements:

Protects equipment from the damaging effects of misalignment and shock loads. Elements are split longitudinally for easy assembly/disassembly.

Specially Designed Capture Feature:

Minimizes chances for catastrophic failures resulting from fatigue or excessive misalignment.

Optional Center Members:

Steel, stainless steel or composite materials are available depending on application and environmental requirements.

Rex Omega Piloted floating shaft couplings are utilized to connect equipment which is relatively far apart. Such arrangements are particularly suited to transmit torque into areas where moisture, dust or corrosive conditions would be detrimental to driving machinery.

Typical applications include cooling tower drives, steel mill roll drives and paper machine drives¹.

The Omega coupling's floating center member may be either solid or tubular, depending upon the system requirements. The assembly is piloted at each end by a resilient rubber bushing

No Lubrication:

Pilot bushing and polyurethane element do not require lubrication.

Corrosion Resistance:

Nickel plated steel, stainless steel, composite material, or acid and alkali protective coatings are available.

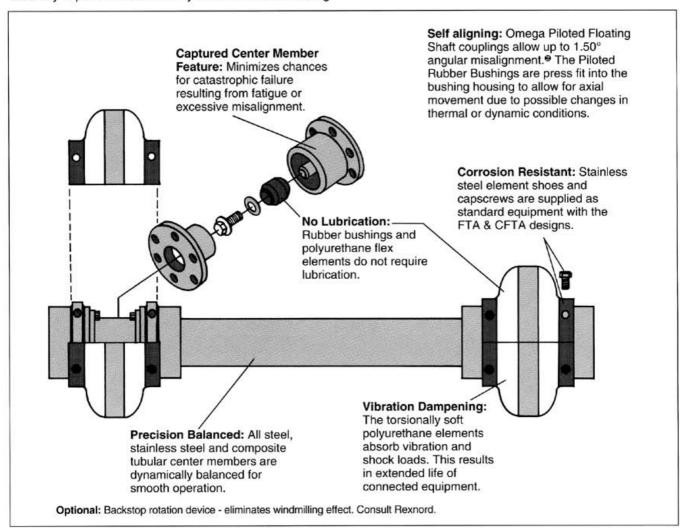
Long Span Capability:

Optional composite tubes allow significantly longer span capabilities than conventional steel tubes.

assembly which eliminates the need for intermediate support bearings.

Besides reliability, safety was engineered into the design by incorporation of the captured center member feature, which minimizes the possibility of a catastrophic failure due to fatigue or severe misalignment.

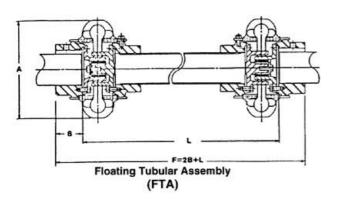
Omega Piloted floating shaft couplings are designed to alleviate situations where excessive misalignment in cooling tower applications are troublesome.

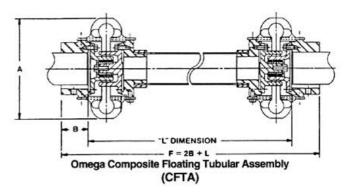


- Consult Rexnord for torsional stiffness data relative to this application.
- Equivalent to .026 inches per inch of shaft spacing (L dimension). *Note: Coupling alignment is directly related to equipment and coupling life. Care should be taken for best possible alignment.



OMEGA® PILOTED FLOATING SHAFT COUPLINGS (COOLING TOWER DRIVE COUPLINGS)





Specification Data

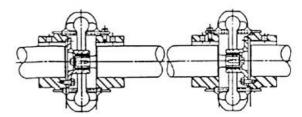
Omega	HP/100	Continuous Torque 0	Max.	Max. @	Dimens (In.)		Minimum	Maximum Span (L) For Tube Design @ Max RPN		
Size No.	RPM	Capacity (In. Lbs.)	RPM	Bore (In.)	Α	В	Span (L)	Steel FTA (In.) ❸	Composite CFTA (In.) €	
E10	2.30	1450	1800	2.13	6.38	1.68	8.38	75	104	
E20	3.65	2300	1800	2.38	7.25	1.88	9.88	85	104	
E30	5.79	3650	1800	2.88	8.25	2.12	10.50	90	129	
E40	8.85	5500	1800	3.38	9.50	2.31	11.50	100	129	
E50	12.14	7650	1800	3.63	11.00	2.56	13.25	100	129	
E60	19.84	12,500	1800	4.00	12.50	3.06	14.38	107	157	
E70	35.12	22,125	1800	4.50	14.00	3.44	15.75	113	157	
E80	62.70	39,500	1800	6.00	16.00	4.69	20.75	123	182	
E100	135	85,050	1500	6.75	21.00	5.31	19.50	141	***	
E120	270	170,100	1200	7.50	25.00	5.81	21.38	147	***	
E140	540	340,200	1200	9.00	30.00	7.00	***	***	***	

- Service Factor 1.0 (2.0 Service Factor recommended for cooling tower applications).
- With straight bore hubs.
- O Longer spans are possible at slower speeds or with special "EL" (extra long/oversize) tubes. Adjustable length center tube design is also available.

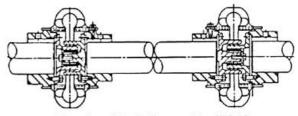
Also available in two solid shaft arrangements

Consult Rexnord for specifications and application assistance.

2000 mar. 1	TA and CFTA Material Classification and piloted bushing support hardware)
Class D	Type 303-304 Stainless Steel Tube, Nickel Plated Hubs & Bushing Assemblies with Stainless Steel Elements & Hardware
Class E	Type 303-304 Stainless Steel Tube, Hubs & Bushing Assemblies with Stainless Steel Elements & Hardware.
Class DC	Composite Tube, Nickel Plated Hubs & Bushing Assemblies with Stainless Steel Elements & Hardware.
Class EC	Composite Tube, Type 303-304 Stainless Steel Hubs & Bushing Assemblies with Stainless Steel Elements & Hardware.



Piloted Shaft Assembly (PSA)

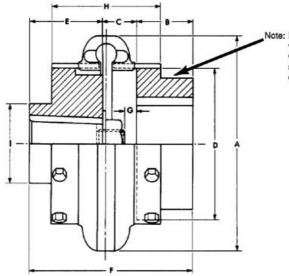


Floating Shaft Assembly (FSA)

^{· · ·} Consult factory.

OMEGA® MILL MOTOR COUPLINGS





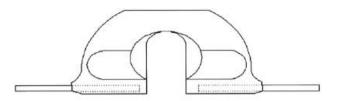
Note: Hub/shoulder design varies per coupling size. Consult Rexnord for specific size assembly drawings.

Mill Motor Coupling Dimensions

Coupling	Mill	May	HP/100	Complete				Dim	ension	s				Max.			
Coupling Size	Motor Size	Max. RPM	RPM*	Coupling Wt., Lbs.	А	В	С	D	E	F	G	н	1	Straigh Bore			
10	802A 602	7500	2.3	15.6	6³/s	17/8	19/32	35/8	3	65/32	11/22	313/16	27/8	21/8			
20	802B 802C	6600	3.65	25.4	71/4	21/16	15/8	41/2	3	611/16	9/16	41/4	3	23/8			
	603								31/2	63/8	1/2						
30	803 804 603 604	5800	5.79	39.3	81/4	25/16	11/2	57/16	31/2	75/16	5/a	49/16	31/2	27/8			
40	804 604	5000	8.85	58.0	91/2	21/2	11/2	65/a	31/2	71/2	1/2	47/8	31/2	33/8			
	406 806 606									*******		4	89/16	11/16		5.61	-0.043.737
50	408 608	4200	12.14	83.5	11	23/4	1 13/16	81/a	41/2	91/16	9/16	51/2	4	3%			
60	406 806	2000	40.04	100.0	4011	01/	427	83/4	4	9	5/a			16			
60	408 608	3800	19.84	120.3	121/2	31/4	13/4	89/4	41/2	91/2	1/2	65/16	41/2	4			
70	408 808 608 410 810 610	3600	35.12	150	14	14	3 ⁵ /8	21/2	91/4	21/2 91/4	41/2	105/8	11/4	6 ⁷ /8	43/4	41/2	
	412 612							9	5	111/16	1						
	410 810						31/e		41/2	121/2	13/4						
80	412 812 612	2000	62.7	235	16	47/8	31/e	111/4	5	13	19/16	91/4	6	6			
	614										17/16						
	812 614 814								5	141/4	21/4						
100	616 816	1900	135	340	21	51/2	21 51/2	21 51/2	51/2	33/4	141/a	51/2	143/4	2	93/4	101/4	63/4
	618 818								51/2	143/4	3/4 27/16						
120	818	1800	270	520	25	6	47/8	175/8	6	167/8	39/16	119/16	113/4	71/2			
(155.5)	620			(555)	77.70				6	16 ⁷ /8	31/8	11.7.0		, 12			
140	622 624	1500	540	950	30	7	5	207/8	7.0	19.0	25/8	13	15	9			
	024								7.0	19.0	25/8						

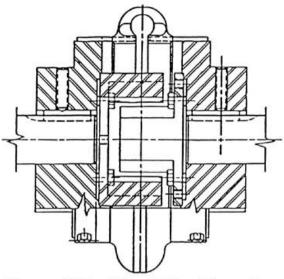
SPECIAL DESIGNS*





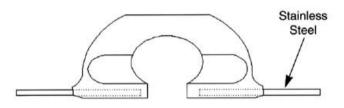
Omega® Heavy-Duty Element

25% higher torque capacity. Fits standard hubs. Available in all sizes.



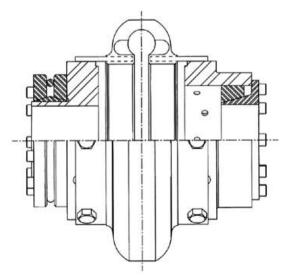
Omega® Positive Drive Coupling

With interlocking drive for short-term limited use.



Omega® Stainless Steel Element

Corrosion resistant stainless steel shoes for severe environments i.e: cooling towers. Stainless steel hubs & capscrews also available.



Omega® Light-Duty Element

Available in size E2LD only. Minimum O.D. (2.5") for tight applications. Max torque rating of 100 In. Lbs.

Omega® Keyless Hub/Bushing Design

Several optional keyless Hub/Bushing designs are available.

COUPLING SELECTION SELECTION PROCEDURE

OR



- 1. Calculate HP/100 RPM: HP/100 RPM = Horsepower x 100 RPM
- Determine service factor from table on page E-15. If not listed, see load classification table below. Remember to consider both driver and driven equipment and temperature limitations.
- Multiply HP/100 RPM by the service factor to get equivalent HP/100 RPM.
- Select coupling size from Table 1 with a rating equal to or greater than the equivalent HP/100 RPM determined in step 3.
- Be sure that the operating speed of the coupling does not exceed maximum RPM listed on pages E-4 through E-7.
- Select desired hub type and check maximum allowable coupling bore on page E-16.

	Calculate appealing torque	63,000 x HP	١
1.	Calculate operating torque	RPM /)

- Multiply operating torque by service factor obtained from table on page 15.
- Select coupling size from Table 2 with a capacity equal to or greater than determined in step 2.
- 4. Follow steps 5 and 6 above.

Table 1

Si	Size			
Standard	Spacer	Equivalent HP/100 RPM		
E2	ES2	.30		
E3	ES3	.58		
E4	ES4	.88		
E5	ES5	1.48		
E10	ES10	2.30		
E20	ES20	3.65		
E30	ES30	5.79		
E40	ES40	8.85		
E50	ES50	12.14		
E60	ES60	19.84		
E70	ES70	35.12		
E80	ES80	62.70		
E100	NA	135		
E120	NA	270		
E140	NA	540		

Table 2

	Torque Cap	pacity	
Size	Continuous Torque (In. Lbs.)	Size	Continuous Torque (in. Lbs.)
2	190	40	5,500
3	365	50	7,650
4	550	60	12,500
5	925	70	22,125
10	1,450	80	39,500
20	2,300	100	85,050
30	3,650	120	170,100
		140	340,200

Service Factors

SERVICE FACTORS are means of classifying different equipment and applications into various load classifications. Due to variations in application of equipment, service factors are used to adjust equipment ratings to accommodate for variable loading conditions. This is a general guide. More specific factors are given on page 15.

	Load Classifications	Service Factors
	Continuous service and running loads vary only slightly.	1.0
	Torque loading varies during operation of the equipment.	1.5
/\~~	Torque loading varies during operation, frequent stop/start cycles are encountered.	2.0
\mathbb{A}	For shock loading and substantial torque variations.	2.5
MM	For heavy shock loading or light reversing drives.	3.0
MM	Reversing torque loads do not necessarily mean reversal of rotation. Depending upon severity of torque reversal, such loads must be classified between "medium" and "extreme".	Consult Rexnord

In general, the service factor adjustment for high temperature is in addition to the service factor consideration for the driver and driven equipment. However, if high temperatures are typical for a specific application, maximum temperature consideration is incorporated into the "typical" service factor listing on page E-15. I.E. Steel mill runout tables.

Omega Element Temperature Range (Ambient)

-40°F	+200°F
	to
-40°C	+93°C

High Temperature Service Factor Adjustment*

Ambient Temp.	S.F. Adjust.
+150°F (66°C)	+0.25
+165°F (74°C)	+0.50
+180°F (82°C)	+0.75
+200°F (93°C)	+1.00



COUPLING SELECTION

TYPICAL SERVICE FACTORS* — MOTOR DRIVEN EQUIPMENT

General Applications	Typical Service Factor	Industry Applications (cont'd) Se	Typical rvice Facto
AGITATORS	A-280	FOOD INDUSTRY	0.00
Vertical and Horizontal Screw Propeller, Paddle	1.5	Bottle and Can Filling	1.0
BLOWERS		Cereal Cooker	
Centrifugal	1.0	Dough Mixer, Meat Grinder	2.0
Lobe or Vane	1.5	LUMBER INDUSTRY	
CAR DUMPER AND PULLER	2.0	Band Resaw, Circular Resaw	2.0
CLARIFIER OR CLASSIFIER	1.0	Edger, Head Rig, Hog, Log Haul	
COMPRESSORS	100 00000	Planer	
Centrifugal	1.0	Rolls, Non-Reversing	
Rotary, Lobe or Vane		Rolls, Reversing	
Rotary, Screw		Slab Conveyor, Sorting Table	
Reciprocating		OIL INDUSTRY	
CONVEYORS	227.60	Chiller	1.0
Apron, Assembly, Belt, Chain Flight, Oven		POWER INDUSTRY	
Reciprocating		Ash Handling Conveyors	1.5
	.,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Baghouse Air Handling Fans	
CRANES AND HOISTS Main Hoist — Medium Duty	2.0	Ball Mill	
Main Hoist — Heavy Duty		Belt Conveyors	
Skip Hoist		Circulating Pumps (centrifugal)	
Bridge, Travel or Trolley	2.0	Coal Grinders and Crushers	2.5
DREDGES		Coal Pulverizers and Hammermills	
Cable Reel, Conveyor		Cooling Tower Fans	
Cutter Head Drive, Jig Drive		FGD Slurry Pumps (centrifugal).	
Pump, Screen, Drive, Stacker, Utility Winch		Forced Draft Fan and Induced Draft Fan	
DYNAMOMETER	1.0	Traveling Water Screens	
ELEVATORS			1.0
Bucket, Freight	2.5	PULP & PAPER MILLS	1.5
EXCITER, GENERATOR	1.0	Agitator Barking Drum	
EXTRUDER, PLASTIC	2.0	Beater and Pulper	
FANS		Bleacher	
Centrifugal	1.0	Calendar	
Cooling Tower		Chipper	3.5
Forced Draft and Induced Draft		Couch, Cylinder Dryer	2.0
Large Mine		Felt Stretcher	
Propeller	1.5	Fourdrinier	
GENERATORS	1.0	Jordan	
Even Load		Pulp Grinder	
Welder Load		Stock Chest	
PRINTING PRESS		Stock Pump	
	2.0	Centrifugal	1.0
PUMPS Centrifugal	1.0	Reciprocating	
Positive Displacement		Rotary	
Rotary — Gear, Lobe, Vane		Suction Roll	
Reciprocating		Winder	2.0
Progressive Cavity		RUBBER INDUSTRY	102.020
Peristaltic	1.5	Banbury Mixer	
SCREENS	2.0	Cracker Mix Mill Planticator Poliner Sheeter Tire Building Machin	
Air Washing Grizzly		Cracker, Mix Mill, Plasticator Refiner, Sheeter, Tire Building Machin Tire and Tube Press Opener	
Coal and Sand (Rotary)		Tuber and Strainer	
Vibrating	5.0	Warming Mill	
SEWAGE DISPOSAL EQUIPMENT	1.5	Washer	
STOKER		STEEL INDUSTRY	
STOREN	1.0	Coilers	2.0
1-1-4-1-1-1-1	Typical	Draw Benches	
Industry Applications	Service Factor	Edger Drives	2.0
ACCRECATE PROCESCING CEMENT		Reel Drives	
AGGREGATE PROCESSING, CEMENT Concrete Mixers	2.0	Runout Tables (Non-Reversing)	
Crushers, Ore or Stone	4-1-4 (A20-74)	Runout Tables (Reversing)	
Dryer, Rotary		Soaking Pit Cover Drives	
Grizzly	3.0	Tube Conveyor Rolls	
Hammermill			2.0
Mining Kilns		TEXTILE MILLS	
Tumbling Mill or Barrel		Batcher, Calendar, Card Machine, Dry Can	
	000 ((000 0)	Dyeing Machinery	
BREWERY AND DISTILLING Bottling and Can Filling Machinery, Brew Kettle, Cooker, Mash T	ub. 1.0	Mangle, Napper, Soaper	
Source and Carriering machinery, Drow Notice, Cocker, Mastri	2.0	Spinner, Tenter Frame	

The service factors listed are intended only as a general guide and for smooth power sources such as electric motors. For reciprocating prime movers, such as diesel or gas engines, add the following to the service factor:

For 8 or more cylinders, add 0.5

For 6 cylinders, add 1.5

For 1es than 4 cylinders, consult Rexnord

If both driver and driven equipment are reciprocating, consult Rexnord.

Add 0.5 to service factor if drive is a hydraulic motor.

Omega couplings are not recommended for turbine drives if the coupling cannot be protected from steam leakage or from speeds in excess of the coupling's published speed rating (pages E-4 - E-7).

Consult Rexnord Engineering

IMPORTANT NOTE — The coupling selection criteria provided is intended for the determination of the coupling size and style only. It is also recommended that the system be analyzed for torsional and lateral stability using the specific coupling mass-elastic data available from Rexnord. This analysis is the responsibility of the user since the coupling is only a single component in the system.

CAUTION — In drive systems sensitive to axial movement (i.e., sleeve bearing equipment), it may be necessary to limit axial force and/or displacement. Consult Rexnord for proper installation procedure.

COUPLING SELECTION



BORE RANGES

2:16:52		Straight Bore Taper-Lock [®] €				0	QD O			
Hub	Min. E	Bore @	Max	. Bore	Bushing	Minimum	Maximum	Bushing	Minimum	Maximum
Size	STD	STL	STD	STL®	Number	Bore	Bore €	Number	Bore	Bore
2	1/2	No Min.	1-1/8	1-3/16	N/A			N/A		
3	1/2	3/8	1-3/8	1-3/8	1008	1/2	1	N/A		
4	1/2	3/8	1-5/8	1-3/4	1008	1/2	1	JA	3/8	1-1/4
5	1/2	3/8	1-7/8	1-15/16	1108	1/2	1	SH	1/2	1-11/16
10	1/2	3/8	2-1/8	2-1/4	1310	1/2	1-3/8	SDS	1/2	2
20	3/4	3/4	2-3/8	2-3/4	1610	1/2	1-5/8	SK	1/2	2-1/2
30	3/4	3/4	2-7/8	3-1/4	2012	1/2	2	SF	1/2	2-13/16
40	3/4	3/4	3-3/8	3-3/4	2517	1/2	2-1/2	E	7/8	3-1/2
50	1-1/8	1-1/8	3-5/8	4	2517	1/2	2-1/2	E	7/8	3-1/2
60	1-1/8	1-1/8	4	4-1/2	3020	15/16	3	F	1	3-15/16
70	1-3/8	1-3/8	4-1/2	4-7/8	3535	1-3/16	3-1/2	J	1-7/16	4-1/2
80	1-7/8	1-7/8	6	6-3/4	4040	1-7/16	4	М	1-15/16	5-1/2
100	1-7/8	1-7/8	6-3/4	7-1/4	4545	1-15/16	4-1/2	М	1-15/16	5-1/2
120	1-7/8	1-7/8	7-1/2	8-1/4	5050	2-5/16	5	N	2-7/16	6
140	1-7/8	1-7/8	9	9-1/4	7060	4-9/16	7	Р	2-15/16	7

1 Bushings are not included with bushed hubs. Bushing bore ranges may vary, check with bushing manufacturer.

2 Rough bores are slightly undersized to conform with minimum bore specifications.

With shallow keyway.

® TAPER-LOCK® is the registered trademark of Reliance Electric Company.

Note: Hub Material Specifications:

STD - High strength sintered steel (sizes #2-#10) and cast iron (sizes #20 and above).

STL - Low carbon steel

REX OMEGA® COUPLINGS INTERCHANGE*

^	Dodge Lovejoy TB Woods				Kop-Flex		
Omega	Para-Flex	(Rubber)	(Rubber)	1000T	Т	F	Gear
2		L-095	5	1020T	20T	3	1H
3		L-099, L-100	6	1030T	30T	4	1H
4	100000000	L-110	7	1040T	40T	4	1H
5	50	L-110	8	1040T, 1050T	40T, 50T	5, 6	1H, 1-1/2H
10	60	L-150, L-190	9	1050T, 1060T	50T, 60T	7, 8	1-1/2H
20	70	L-225	10	1060T, 1070T	60T, 70T	8, 9	1-1/2, 2H
30	80	L-276	11	1070T, 1080T	70T, 80T	9, 10	2H, 2-1/2H
40	90	100.000	12	1090T	90T	10	2-1/2H
50	110			1090T	90T	11	2-1/2H
60	120		13	1090T	90T	11	2-1/2H
70	140		14	1100T	100T	13	3H
80	160		16	1110T	110T	14	3H
100	200		NA	1120T	120T	15	**
120	240		NA	1130T, 1140T	130T, 140T	16, 17	**
140	280		NA	1150T	150T	18	**

^{*} CAUTION should be applied when using any interchange chart (particularly with respect to gear and grid couplings) since each product has different dimensions, benefits, and service factor recommendations. This interchange is based on typical specifications for centrifugal pump applications at 1750 RPM. For specific applications, consult Rexnord or refer to page E-14 or ask for our Free Slide Selector. Use this chart only as a general guide.

^{**} Consult Rexnord.

COUPLING SELECTION



BORE RANGES

2:16:52		Straight Bore Taper-Lock [®] €				0	QD O			
Hub	Min. E	Bore @	Max	. Bore	Bushing	Minimum	Maximum	Bushing	Minimum	Maximum
Size	STD	STL	STD	STL®	Number	Bore	Bore €	Number	Bore	Bore
2	1/2	No Min.	1-1/8	1-3/16	N/A			N/A		
3	1/2	3/8	1-3/8	1-3/8	1008	1/2	1	N/A		
4	1/2	3/8	1-5/8	1-3/4	1008	1/2	1	JA	3/8	1-1/4
5	1/2	3/8	1-7/8	1-15/16	1108	1/2	1	SH	1/2	1-11/16
10	1/2	3/8	2-1/8	2-1/4	1310	1/2	1-3/8	SDS	1/2	2
20	3/4	3/4	2-3/8	2-3/4	1610	1/2	1-5/8	SK	1/2	2-1/2
30	3/4	3/4	2-7/8	3-1/4	2012	1/2	2	SF	1/2	2-13/16
40	3/4	3/4	3-3/8	3-3/4	2517	1/2	2-1/2	E	7/8	3-1/2
50	1-1/8	1-1/8	3-5/8	4	2517	1/2	2-1/2	E	7/8	3-1/2
60	1-1/8	1-1/8	4	4-1/2	3020	15/16	3	F	1	3-15/16
70	1-3/8	1-3/8	4-1/2	4-7/8	3535	1-3/16	3-1/2	J	1-7/16	4-1/2
80	1-7/8	1-7/8	6	6-3/4	4040	1-7/16	4	М	1-15/16	5-1/2
100	1-7/8	1-7/8	6-3/4	7-1/4	4545	1-15/16	4-1/2	М	1-15/16	5-1/2
120	1-7/8	1-7/8	7-1/2	8-1/4	5050	2-5/16	5	N	2-7/16	6
140	1-7/8	1-7/8	9	9-1/4	7060	4-9/16	7	Р	2-15/16	7

1 Bushings are not included with bushed hubs. Bushing bore ranges may vary, check with bushing manufacturer.

2 Rough bores are slightly undersized to conform with minimum bore specifications.

With shallow keyway.

® TAPER-LOCK® is the registered trademark of Reliance Electric Company.

Note: Hub Material Specifications:

STD - High strength sintered steel (sizes #2-#10) and cast iron (sizes #20 and above).

STL - Low carbon steel

REX OMEGA® COUPLINGS INTERCHANGE*

^	Dodge Lovejoy TB Woods				Kop-Flex		
Omega	Para-Flex	(Rubber)	(Rubber)	1000T	Т	F	Gear
2		L-095	5	1020T	20T	3	1H
3		L-099, L-100	6	1030T	30T	4	1H
4	100000000	L-110	7	1040T	40T	4	1H
5	50	L-110	8	1040T, 1050T	40T, 50T	5, 6	1H, 1-1/2H
10	60	L-150, L-190	9	1050T, 1060T	50T, 60T	7, 8	1-1/2H
20	70	L-225	10	1060T, 1070T	60T, 70T	8, 9	1-1/2, 2H
30	80	L-276	11	1070T, 1080T	70T, 80T	9, 10	2H, 2-1/2H
40	90	100.000	12	1090T	90T	10	2-1/2H
50	110			1090T	90T	11	2-1/2H
60	120		13	1090T	90T	11	2-1/2H
70	140		14	1100T	100T	13	3H
80	160		16	1110T	110T	14	3H
100	200		NA	1120T	120T	15	**
120	240		NA	1130T, 1140T	130T, 140T	16, 17	**
140	280		NA	1150T	150T	18	**

^{*} CAUTION should be applied when using any interchange chart (particularly with respect to gear and grid couplings) since each product has different dimensions, benefits, and service factor recommendations. This interchange is based on typical specifications for centrifugal pump applications at 1750 RPM. For specific applications, consult Rexnord or refer to page E-14 or ask for our Free Slide Selector. Use this chart only as a general guide.

^{**} Consult Rexnord.



BORE SPECIFICATIONS

Couplings will be bored in accordance with AGMA Standard 9002-A86 for flexible couplings. Finished bore hubs will be Class I clearance fit unless otherwise specified.

Bore Sizes

Bore Sizes											
Shaft Dia.	Class 1 Clearance Fit	Interference Fite	Shaft Dia.	Class 1 Clearance Fit	Interference Fite 2.373-2.374						
1/2	.500501	.49904995	23/8	2.3750-2.3765							
5/8	.625626	.62406245	21/2	2.5000-2.5015	2.498-2.499						
3/4	.750751	.74907495	25/8	2.6250-2.6265	2.623-2.624						
7/8	.875876	.87408745	23/4	2.7500-2.7515	2.748-2.749						
1	1.000-1.001	.99909995	27/8	2.8750-2.8765	2.873-2.874						
11/8	1.125-1.126	1.1240-1.1245	3	3.0000-3.0015	2.998-2.999						
11/4	1.250-1.251	1.2490-1.2495	31/4	3.2500-3.2515	3.2470-3.2485						
13/8	1.375-1.376	1.3740-1.3745	31/2	3.5000-3.5015	3.4970-3.4985						
11/2	1.500-1.501	1.4990-1.4995	35/8	3.6250-3.6265	3.6220-3.6235						
15/8	1.625-1.626	1.623-1.624	33/4	3.7500-3.7515	3.7470-3.7485						
13/4	1.750-1.751	1.748-1.749	4	4.0000-4.0015	3.9970-3.9985						
17/8	1.875-1.876	1.873-1.874	41/2	4.500-4.502	4.4965-4.4980						
2	2.000-2.001	1.998-1.999	5	5.000-5.002	4.9965-4.998						
21/8	2.1250-2.1265	2.123-2.124	51/2	5.500-5.502	5.4960-5.4975						
21/4	2.2500-2.2515	2.248-2.249	6	6.000-6.002	5.9960-5.9975						

Steel hub material is recommended for interference fit application. Consult Rexnord for unlisted sizes or bores over 6-inch diameter.

Nominal Shaft Diameter Over Thru 5/15 7/16 9/16 9/16 7/6 11/4 12/6 13/6 13/4 21/4 21/4 21/4 21/4 21/4 21/4 21/4 21		K	eywa	y	Setscrew	Recommended Tightening Torque (In. Lbs.)		
			De	pth	Dia. Class 2B			
		Width	Sq.	Rect.	NC Thread			
		3/32 1/8 3/18	3/64 1/16 3/32	3/64 1/16	1/4 - 20			
11/4	13/s	1/4 5/18 3/8	1/8 5/32 3/16	3/32 1/a 1/a	³/6 - 16*	290		
13/4	21/4	1/2	1/4	3/16	1/2 - 13**	620		
21/4	23/4	5/B	5/16	7/32	5/B - 11	1325		
23/4	31/4	3/4	3/8	1/4	3/4 - 10	2400		
31/4	33/4	7/8	7/16	5/16	7/8 - 9	5200		
33/4 41/2 51/2 61/2 71/2	41/2 51/2 61/2 71/2 9	1 11/4 11/2 13/4 2	1/2 5/8 3/4 7/8	3/8 7/16 1/2 3/4 3/4	1-8	7200		

^{*} Maximum setscrew diameter is 1/4-20 UNC for size #2 hub.

FINISHED STOCK BORE HUBS®

(STRAIGHT BORE HUBS BORED IN ACCORDANCE WITH AGMA STANDARD 9002 - A86 CLASS 1 CLEARANCE FIT)

SIZE BORE	2SHSB 3SHSB		4SHSB 5		5SH	5SHSB		10SHSB		20SHSB		30SHSB		40SHSB		50SHSB		60SHSB		
	STD	STL	STD	STL	STD	STL	STD	STL	STD	STL	STD	STL	STD	STL	STD	STL	STD	STL	STD	STL
5/8	Х		Х	(i)	X	Ů										370000				- /
3/4	X	Х	Х	Х	Х		X													
7/8	X	X	X	X	X	X	X		X											
15/16					Х		Х													
1	X	X	X	X	X	Х	X		X									V (C2000 D C		
1-1/16					Х		Х													
1-1/8	X	X	Х	X	X	X	X	X	X	Х	X	X								
1-3/16					Х		Х													
1-1/4			X	X	X		X		X		X	X				1100221907				
1-5/16					Х		Х													
1-3/8		0.00000000	X	X	X	Х	X	X	X	Х	Х	X		111		- 11				
1-7/16					Х		X		X											
1-1/2		Chromatin		3,000,300,000	X	15000015177	X		X		Х	X	X		Х					
1-9/16					Х				Х											
1-5/8					X	X	X	X	X	X	Х	X	X	X	Х	X				
1-11/16							Х		Х		Х	Х	Х							
1-3/4							X	242242	X		X	X	X		X		X	enutra ques		4000000
1-7/8							×	Х	Х	Х	Х	Х	Х	Х	Х	X	X			
1-15/16		0000000		e de gracio de s		1000000000			X	-2.030000	X	121570255		425 (2000)		1188/22503				·
2									Х		Х	Х	Х	X					Х	
2-1/8									X		X	X	X	X	X		X		X	
2-3/16											Х									
2-1/4						//	THOUSENS.				X		X		X		X	1 X 15 15 15 15 15 15 15 15 15 15 15 15 15	-10000000	SINONO
2-3/8											Х	Х	Х	X	Х	Х	Х		Х	
2-1/2						10780032134	ercountries.	100000000000000000000000000000000000000					X	3333333333	X					
2-11/16													Х		Х					
2-3/4													X	Х	Х	X				
2-7/8													Х	Х	Х		Х		Х	
3-5/16								1200001-200					11100 J. CO. SA			CONTRACTOR OF THE PARTY OF THE	X		X	. cospetano
3-3/8															Х	Х	Х		Х	

Hub Material Specifications:

STD - Cast iron

STL - Low carbon steel

^{**} Maximum setscrew size for hub sizes #3 thru #10 is 3/8-16 UNC.

ORDERING INSTRUCTIONS

STANDARD AND SPACER COUPLINGS



When ordering a complete coupling, specify size/type of element and hubs (two hubs per complete coupling) options include:

Element

[E2 - E140] standard (close coupled)[ES2 - ES80] spacer

Hub

[2SHRB - 140SHRB] straight hub-rough bore

[2SHSB - 60SHSB] straight hub-stock bore (specify bore size from table on page E-17)

[2SHCB - 140SHCB] straight hub-custom bore (specify bore & keyway)

[4HQD - 140HQD] hub-QD (bushing not included)

[3HTL - 140HTL] hub-TAPER-LOCK® (bushing not included)

[10SHMM - 140SHMM] straight hub-mill motor (specify mill motor number, rough or custom bore)

NOTE: Specify hub material; standard or steel after hub description (see price book for options/availability). ® TAPER-LOCK is the registered trademark of Reliance Electric Company.

Order example:

Complete #50 standard (close coupled) coupling with one finished bore 2-1/8" iron hub w/standard keyway and one QD hub less bushing. Order description:

1 ea. E50 element

1 ea. 50SHSB - 2-1/8" - std.

1 ea. 50HQD - steel

Other Available Designs:

Sleeve Extensions

[3SE - 120SE]

Floating Piloted Shaft Couplings

[10FTA-140FTA] specify bore, shaft spacing & material class [10PSA-140PSA] specify bore, shaft spacing & material class

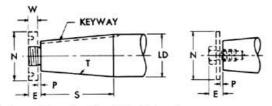
[10FSA-140FSA] specify bore, shaft spacing & material class

TAPERED BORES

Information Required

- Drawing of HUB showing complete bore and keyway details.
- OR —

 2. Drawing of SHAFT with dimensions shown below, allowing Rexnord to bore hubs to suit.



- (LD) Large Diameter, Specify in Decimals.
- (S) Length of Taper, Measure parallel to Shaft centerline.
- (T) Taper per Foot, Difference in Diameter in one foot length.
- (P) Clearance space for drawing Hub up on tapered shaft. Usually 1/8" or 1/4", depending on shaft size and taper.

Keyway: Width, Depth.

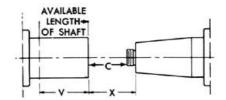
Note: Specify if keyway is parallel to Taper or if parallel to shaft center line.

Specify depth at larger diameter of Taper if keyway is parallel to shaft center line.

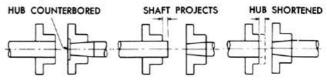
Supplemental Taper Bore Information

With connected equipment in fixed position, the following additional information is necessary:

Dimensions "V" and "X" must be given when one or both connected machines are fixed on their bases. Advise if dimension "X" is fixed, or if variable between what limits.



A fixed "X" dimension may require altered or special coupling hubs. Often the straight bored hub can be positioned on its shaft allowing the use of a standard coupling. See illustrations below.



Consult A.G.M.A. Standard 9002-A86 "Taper Bores for Flexible Couplings" for new applications.



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