RAPTOR Coupling

BALDOR · DODGE

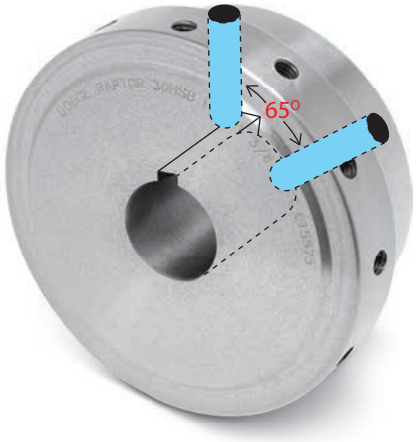
Shaft Hubs

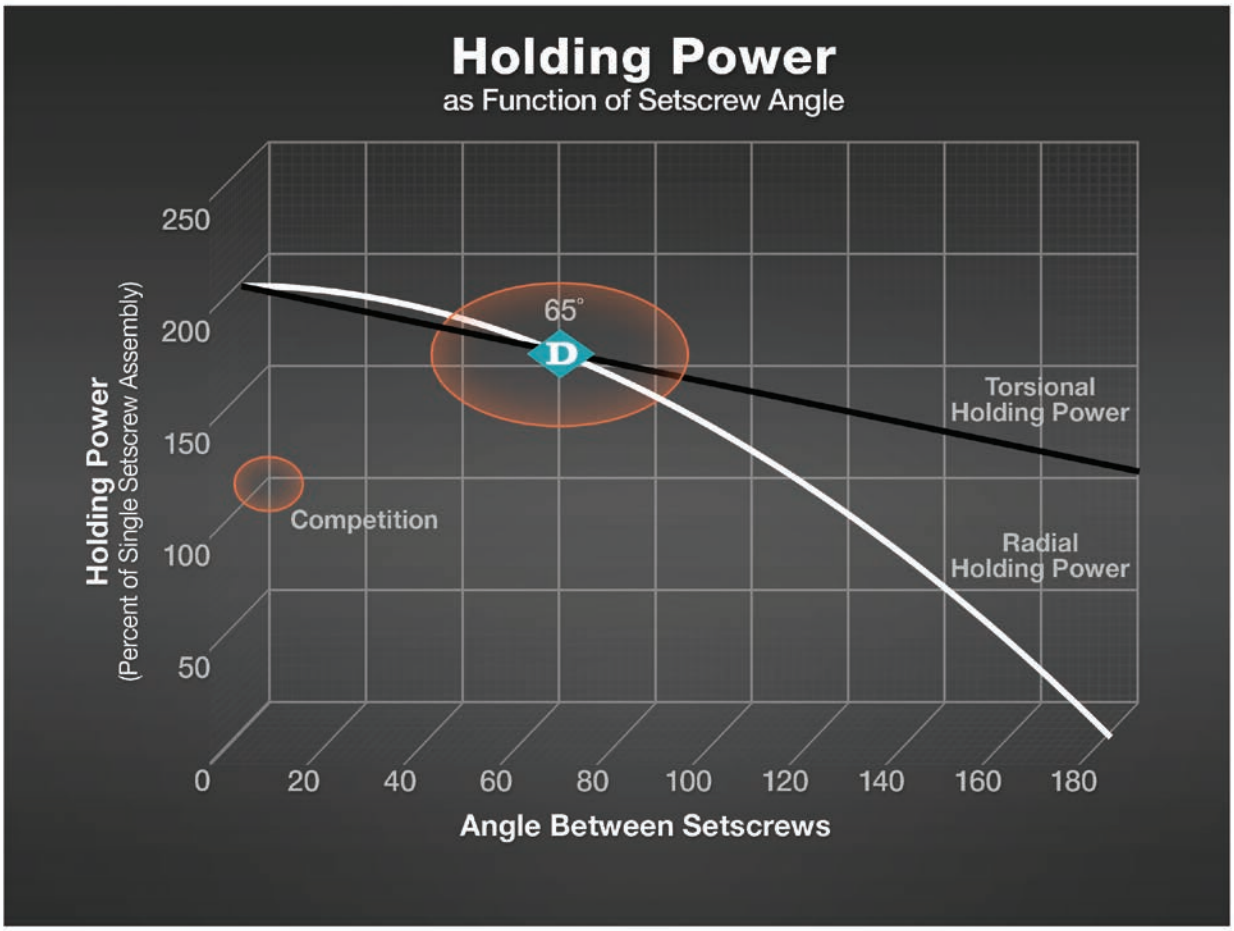
Flexible Mounting Options for Any Application

- Available in a wide range of shaft attachment methods, including finished bore, Taper-Lock® and QD bushed options.
- Suited for any application, hubs are reversible to accommodate a wide range of shaft gaps
- Interchangeable hubs are used for both close-coupled and spacer designs for reduced inventory

Finished Bore

- Setscrew locking mechanism ensures a quick, easy installation
- Two setscrews at a 65° angle optimizes radial and torsional holding power, resulting in a 75% holding power increase versus competitive designs using one setscrew



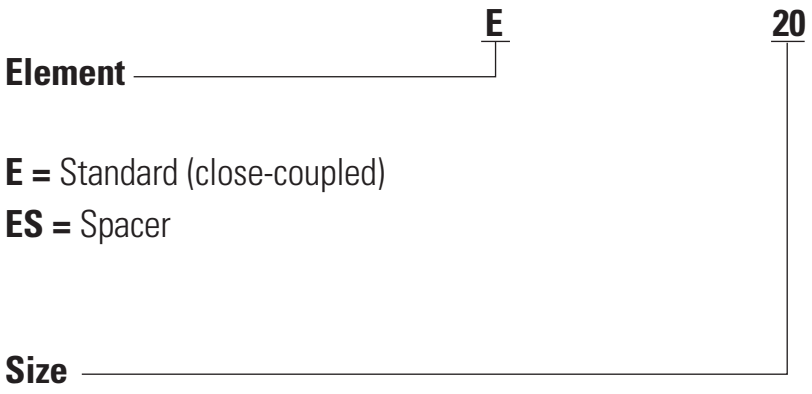


How to Order

A complete Raptor coupling assembly consists of one element (standard or spacer) and two shaft hubs (finished bore, Taper-Lock®, or QD). If Taper-Lock or QD shaft hubs are selected, bushings must also be selected for the desired shaft size.

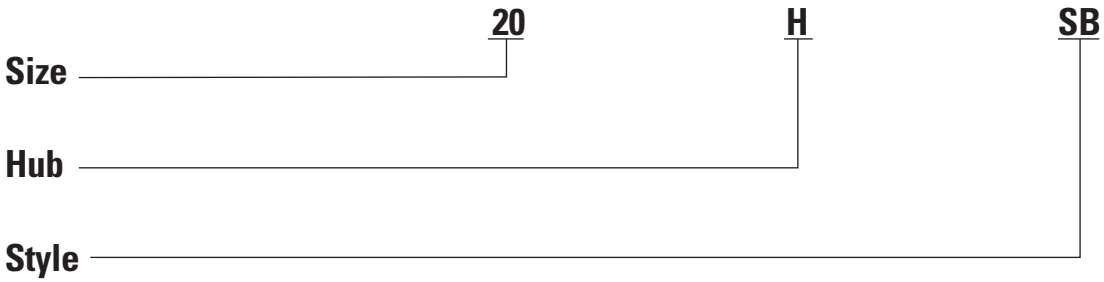
Nomenclature:

Elements:



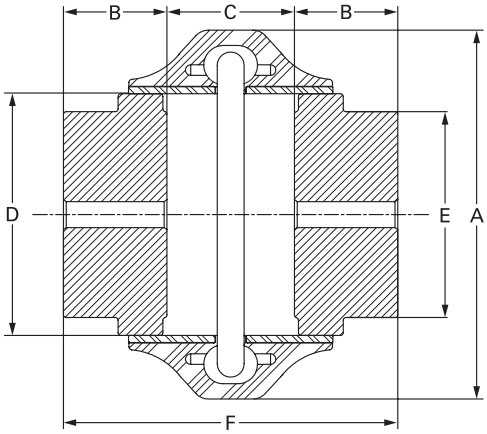
E = Standard (close-coupled)
ES = Spacer

Hubs:

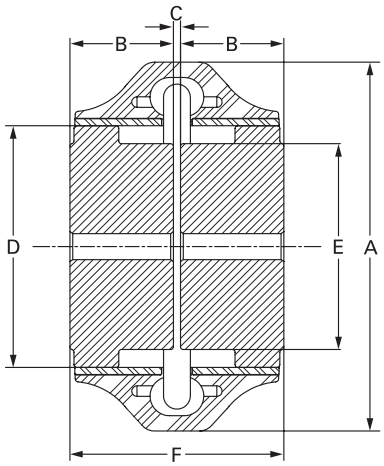


RB = Rough bore
SB = Finished bore (stock)
CB = Finished bore (custom)
CBMM = Custom Bore, Mill Motor
TL = Taper-Lock bushed
QD = QD bushed

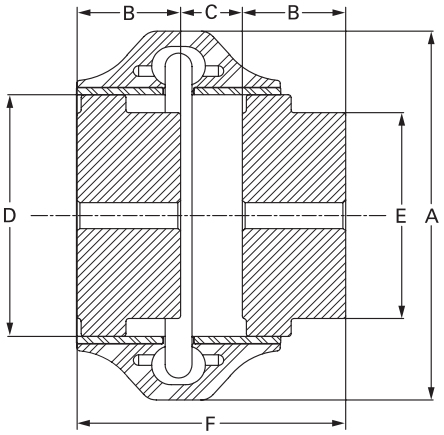
Ratings & Dimensions
Close-Coupled - Finished Bore



OUTBOARD



INBOARD



HYBRID

Coupling Size	Min. Bore	Max. Bore[1]	HP/100	Max Torque (In-Lbs)	Max. RPM	A	B	C			D	E	F			Weight [2] (Lbs.)
								Outboard	Inboard	Hybrid			Outboard	Inboard	Hybrid	
E2	–	1.13	0.31	194	7,500	3.50	0.94	1.90	1.34	1.62	1.85	1.65	3.78	3.22	3.50	1.2
E3	–	1.38	0.59	371	7,500	4.00	1.50	1.34	0.78	1.06	2.32	2.00	4.34	3.78	4.06	2.3
E4	–	1.63	0.89	558	7,500	4.56	1.69	1.34	0.42	0.88	2.60	2.36	4.70	3.78	4.24	3.3
E5	–	1.88	1.47	926	7,500	5.38	1.75	1.84	0.78	1.31	3.13	2.80	5.34	4.28	4.81	5.4
E10	–	2.13	2.31	1,456	7,500	6.38	1.88	1.84	0.52	1.18	3.65	3.30	5.60	4.28	4.94	7.6
E20	0.75	2.38	3.66	2,308	6,600	7.25	2.06	2.46	0.42	1.44	4.48	4.00	6.58	4.54	5.56	12.7
E30	0.75	2.88	5.79	3,651	5,800	8.25	2.31	2.55	0.45	1.50	5.42	4.62	7.17	5.07	6.12	19.7
E40	0.75	3.38	8.73	5,504	5,000	9.50	2.50	2.83	0.43	1.63	6.63	5.75	7.83	5.43	6.63	33.5
E50	1.13	3.63	12.1	7,656	4,200	11.00	2.75	3.47	0.53	2.00	8.13	6.13	8.97	6.03	7.50	50.9
E60	1.13	4.00	19.8	12,505	3,800	12.50	3.25	3.63	0.49	2.06	8.75	6.50	10.13	6.99	8.56	71.3
E70	1.38	4.50	35.1	22,132	3,600	14.00	3.62	4.00	0.52	2.26	9.25	6.99	11.24	7.76	9.50	82.0
E80	1.63	6.00	62.7	39,503	2,000	16.00	4.87	5.87	–	2.88	11.25	9.49	15.61	–	12.62	169.4
E100	2.50	6.75	135.0	85,085	1,900	21.00	5.50	3.77	1.77	3.02	14.13	10.51	14.77	12.77	13.77	252.6
E120	2.88	7.50	270.0	170,170	1,800	25.00	6.00	4.90	2.26	3.58	17.63	11.76	16.90	14.26	15.58	419.4
E140	3.25	9.00	540.0	340,340	1,500	30.00	7.00	5.02	3.02	4.02	20.88	15.01	19.02	17.02	18.02	593.4

(1) Consult page 32 for larger bore capacities with shallow keys
(2) Weight of complete coupling in pounds
(3) All dimensions in inches

Close-Coupled Inch Element Assemblies

Size	Standard (Natural Rubber)	Armored Elements	Replacement Hardware
E2	015843	017126	017000
E3	015844	017127	017001
E4	015845	017128	
E5	015846	017129	
E10	015847	017130	017180
E20	015848	017131	017002
E30	015849	017132	
E40	015850	017133	017003
E50	015851	017134	
E60	015852	017135	017004
E70	015853	017136	
E80	015854	017137	
E100	015931	017138	017005
E120	015932	017139	017006
E140	015933	017140	017007

(1) Element assemblies include hardware.
(2) Raptor elements are also available with metric hardware. This requires use of shaft hubs tapped for metric hardware. Reference International Couplings Catalog (ICA4004) or contact Baldor for more information.