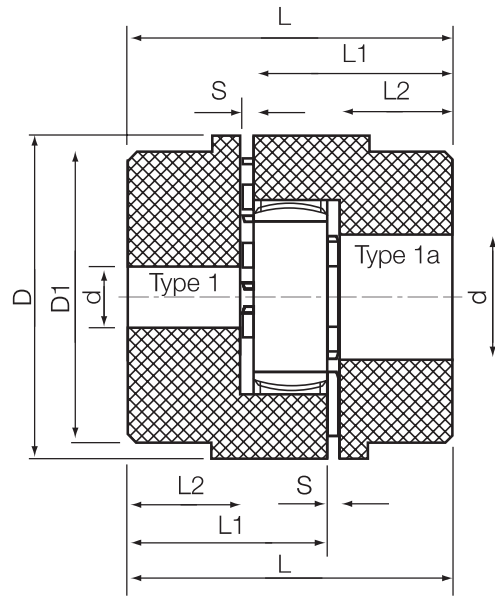


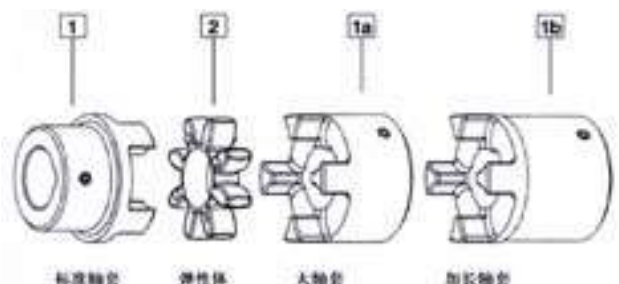
# GE – Curved Jaw Couplings



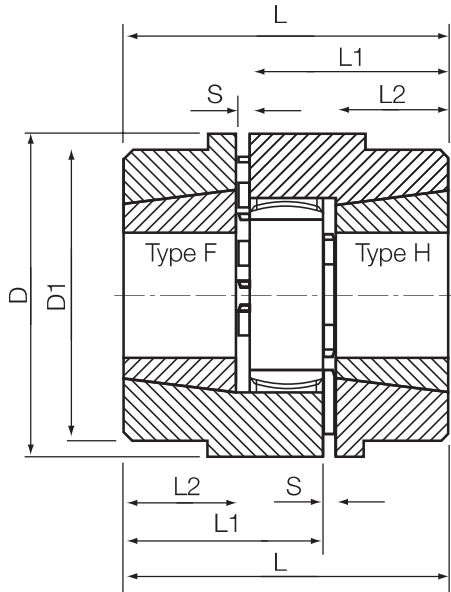
TYPE	Hub Type	Max Speed RPM	Rated Torque (Nm)			D	D1	d-min	d-max	S	L1	L2	L	Mass kg/hub
			92 Sh A YELLOW	98 Sh A RED	64 Sh D WHITE									
14	1	17000	7.5	12.5	16	30	22	6	16	1	32	20	51	0.12
	1a													
19	1	19000	10	17	21	40	32	6	19	1	39	25	65	0.19
	1a							19	24					
24	1	14000	35	60	75	56	40	9	24	1	46	30	77	0.38
	1a							22	28					
28	1	11800	95	160	200	65	48	10	28	1.5	52.5	35	89	0.62
	1a							28	38					
38	1	9500	190	325	405	80	66	12	38	1	66	45	112	1.36
	1a							38	45					
42	1	8000	265	450	560	95	75	14	42	1	73	50	124	2.03
	1a							42	55					
48	1	7100	310	525	655	105	85	15	48	1.5	80.5	56	138	2.85
	1a							48	60					
55	1	6300	410	685	825	120	98	20	55	2	91	65	158	4.32
	1a							55	70					
65	1	5600	625	940	1175	135	115	22	65	1.5	105.5	75	182	6.66
	1a							22	65					
75	1	4750	1280	1920	2400	160	135	30	75	1	120	85	206	10.48
	1a							30	75					
90	1	3750	2400	3600	4500	200	160	90	1.5	139.5	100	241	17.89	
	1a						180	90						

### Features & Benefits

- High Torque, High Speed capable Coupling
- High Quality Cast construction - lightweight design
- Shock Absorption - vibration dampening.
- Maximum power with choice of 3 Urethane element designs
- Compact design with huge bore capacities



# GE – Curved Jaw Couplings



## GE-T - TAPER BORED COUPLINGS

Model	Max Speed rev/min	Rated Torque (Nm)			Bush Size	Max Bore	D	D1	S	L1	L2	L	Mass Kg/hub
		92 Sh A YELLOW	98 Sh A RED	64 Sh D WHITE									
24 F	14000	35	60	75	1008	25	56	–	1.0	39.0	23.0	63.0	0.31
24 H					1008	25	56	–	1.0	39.0	23.0	63.0	0.31
28 F	11800	95	160	200	1108	28	65	–	1.5	40.5	23.0	65.0	0.46
28 H					1108	28	65	–	1.5	40.5	23.0	65.0	0.46
38 F	9500	190	325	405	1108	28	80	78	1.0	44.0	23.0	68.0	0.79
38 H					1108	28	80	78	1.0	44.0	23.0	68.0	0.79
42 F	8000	265	450	560	1610	42	95	94	1.0	49.0	26.0	76.0	1.10
42 H					1610	42	95	94	1.0	49.0	26.0	76.0	1.10
48 F	7100	310	525	655	1615	42	105	104	1.5	63.5	39.0	104.0	2.07
48 H					1615	42	105	104	1.5	63.5	39.0	104.0	2.07
55 F	6300	410	685	825	2012	50	120	118	2.0	59.0	33.0	94.0	2.22
55 H					2012	50	120	118	2.0	59.0	33.0	94.0	2.22
65 F	5600	625	940	1175	2012	50	135	133	1.5	63.5	33.0	98.0	3.14
65 H					2517	65	135	133	1.5	75.5	45.0	122.0	4.03
75 F	4750	1280	1920	2400	2517	65	160	135	1.0	81.0	46.0	128.0	4.69
75 H					3020	75	160	135	1.0	87.0	52.0	140.0	4.99
90 F	3750	2400	3600	4500	3020	75	200	160	1.5	91.5	52.0	145.0	7.74
90 H					3525	100	200	160	1.5	103.5	64.0	169.0	8.74

## SELECTION

### 1- Service Factor

Determine the Service factor using table 1 below

### 2- Design Power

Multiply the power of the driven machine by the service factor obtained from table 1. This is the design power and is used to select to coupling providing maximising the service life.

### 3- GE Coupling Model Selection

Refer to the Power Rating tables as shown on the next page, 15. Select the Yellow 92 Shore, Red 98 shore or heavy duty White 64 Shore. Read down the left column to the required speed then read across horizontally until the design power is exceeded to select the coupling model. If the exact speed is not shown calculate based on power rating per/100 RPM shown in the first column.

### 4- Bore Dimensions

Check maximum bore dimensions and select from pilot bore model to be machined to required bore and key or taper fit option in available metric and imperial bore sizes.

## Selection via Tore Calculation Method

### 1. Torque

Calculate tore applied to the coupling by using the formula below

$$\text{Torque (Nm)} = \frac{9550 \times \text{Power kW}}{\text{Speed (RPM)}}$$

### 2. Service Factor

Apply the service factor to the torque figure in Nm, this is the design torque rating

### 3. Coupling Torque ratings

Check the torque ratings for the Yellow 92 Shore, Red 98 shore or heavy duty White 64 Shore as shown in the dimensions tables on the previous pages. Select a suitable coupling that exceeds the design torque rating.

### 4. Bore Dimensions

Check maximum bore dimensions and select from pilot bore model to be machined to required bore and key or taper fit option in available metric and imperial bore sizes.

#### Fetaures & Benefits

- High Torque capacity for size
- Compact design
- Low weight for reduced inertia
- Machined surfaces for extended life
- Absorbs shock loads
- Vibration dampening





Quality Guaranteed

# GE – Curved Jaw Couplings



Quality Guaranteed

## POWER RATINGS

### Table 1: Power Ratings (kw) for 92 shore elements (YELLOW)

RPM	14	19	24	28	38	42	48	55	65	75	90
100	0.07	0.1	0.37	1	1.99	2.78	3.25	4.29	6.55	13.4	25.1
500	0.38	0.52	1.83	4.98	9.95	13.9	16.2	21.5	32.7	67	126
700	0.54	0.73	2.56	6.97	13.9	19.4	22.7	30.1	45.8	93.8	176
720	0.56	0.75	2.64	7.16	14.3	20	23.4	30.9	47.1	96.5	181
800	0.62	0.84	2.93	7.96	15.9	22.2	26	34.3	52.4	107	201
900	0.7	0.94	3.29	8.96	17.9	25	29.2	38.6	58.9	121	226
960	0.75	1.01	3.51	9.55	19.1	26.6	31.2	41.2	62.8	129	241
1000	0.78	1.05	3.66	9.95	19.9	27.8	32.5	42.9	65.5	134	251
1200	0.93	1.26	4.39	11.9	23.9	33.3	39	51.5	78.5	161	302
1400	1.09	1.47	5.12	13.9	27.9	38.9	45.4	60.1	91.6	188	352
1440	1.12	1.51	5.27	14.3	28.7	40	46.7	61.8	94.2	193	362
1500	1.16	1.57	5.49	14.9	29.9	41.6	48.7	64.4	98.2	201	377
1800	1.39	1.88	6.59	17.9	35.8	50	58.4	77.3	118	241	452
2000	1.55	2.09	7.32	19.9	39.8	55.5	64.9	85.9	131	268	503
2880	2.23	3.02	10.5	28.7	57.3	79.9	93.5	124	188	386	724
3000	2.32	3.14	11	29.9	59.7	83.3	97.4	129	196	402	754
4000	3.1	4.19	14.6	39.8	79.6	111	130	172	262	536	–

### Table 2: Power Ratings (kw) for 98 shore elements (RED)

RPM	14	19	24	28	38	42	48	55	65	75	90
100	0.13	0.18	0.63	1.68	3.4	4.71	5.5	7.17	9.84	20.1	37.7
500	0.66	0.89	3.14	8.38	17	23.6	27.5	35.9	49.2	101	189
700	0.93	1.25	4.4	11.7	23.8	33	38.5	50.2	68.9	141	264
720	0.95	1.28	4.52	12.1	24.5	33.9	39.6	51.6	70.9	145	271
800	1.05	1.42	5.02	13.4	27.2	37.7	44	57.4	78.7	161	302
900	1.18	1.6	5.65	15.1	30.6	42.4	49.5	64.6	88.6	181	339
960	1.27	1.71	6.03	16.1	32.7	45.2	52.8	68.9	94.5	193	362
1000	1.32	1.78	6.28	16.8	34	47.1	55	71.7	98.4	201	377
1200	1.58	2.14	7.54	20.1	40.8	56.5	66	86.1	118	241	452
1400	1.84	2.49	8.79	23.5	47.6	66	77	100	138	281	528
1440	1.89	2.56	9.04	24.1	49	67.9	79.2	103	142	290	543
2880	3.83	5.2	18.1	48.4	97.9	135.7	158.4	206.5	283.4	578.9	1085.8

### Table 3: Power Rating (kw) for shore 64 elements (WHITE)

RPM	14	19	24	28	38	42	48	55	65	75	90
100	0.16	0.2	0.8	2.1	4.2	5.8	6.8	8.8	12.1	24.7	46.4
500	0.81	1.1	3.9	10.3	20.9	29.0	33.8	44.2	60.5	124.2	232.5
700	1.14	1.5	5.4	14.4	29.3	40.6	47.4	61.8	84.8	173.4	324.7
720	1.16	1.6	5.6	14.9	30.1	41.7	48.7	63.5	87.2	178.4	333.3
800	1.3	1.8	6.2	16.5	33.5	46.4	54.1	70.6	96.8	198.0	371.5
900	1.46	2.0	7.0	18.6	37.6	52.2	60.9	79.5	109.0	222.6	417.0
960	1.55	2.1	7.4	19.8	40.2	55.6	64.9	84.8	116.2	237.4	445.3
1000	1.62	2.2	7.7	20.7	41.8	57.9	67.7	88.2	121.0	247.2	463.7
1200	1.95	2.6	9.3	24.7	50.2	69.5	81.2	105.9	145.1	296.4	556.0
1400	2.26	3.1	10.8	28.9	58.6	81.2	94.7	123.0	169.7	345.6	649.4
1440	2.33	3.2	11.1	29.6	60.3	83.5	97.4	126.7	174.7	356.7	667.9
2800	4.69	6.3	22.2	59.6	120.4	166.8	195.0	254.0	348.5	711.9	1335.5