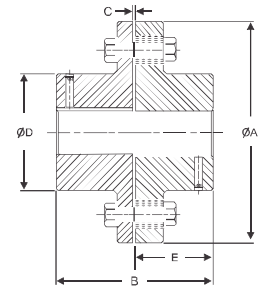




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UTL FLEXIBLE COUPLINGS

UTL UPB COUPLINGS (Coupling with plain Bushes)



Coupling with std. bushes

FEATURES

- Age old proven concept
- Better misaligning tolerances
- Standard bushes (element) in natural rubber. Different elements available on request
- The flexible bushes remain unaffected by water, dust and atmospheric conditions
- Range up to 23780 Nm
- Working temperature up to 70° C

DIMENSIONS & TECHNICAL DATA

Size	Rated Torque Nm	kW Rating at			Min. Bore	Max. Bore	Max. speed rpm	Dimensions are in mm					No. of holes	Weight / Coupling kg approx.	Moment of Inertia (WR ²) Coupling kg.m ²
		100 rpm	1440 rpm	3000 rpm				ØA	B	E	C	ØD			
95	77	0.81	11.66	24.3	12.7	28	6100	95	79	38	3	40	3	1.738	0.0015
114	310	3.25	46.8	97.5	12.7	30	5100	114	99	48	3	42	4	2.883	0.0038
130	516	5.4	77.8	162	16	42	4400	130	105	51	3	60	6	4.316	0.0069
160	621	6.5	93.6	195	16	48	3600	160	107	51	5	68	4	8.733	0.024
191	831	8.7	125.3	261	20	65	3000	191	125	60	5	90	4	13.596	0.051
191	1241	13	187.5	390	20	65	3000	191	125	60	5	90	6	13.666	0.052
200	1241	13	187.5	390	20	65	2800	200	125	60	5	90	6	14.68	0.061
225	1662	17.4	250.6	-	25	75	2600	225	157	76	5	105	6	20.634	0.102
254	2359	24.7	355.7	-	45	90	2300	254	183	89	5	135	8	30.106	0.181
254	2932	30.7	442	-	45	90	2300	254	183	89	5	135	10	30.176	0.182
254	3533	37	532.6	-	45	90	2300	254	183	89	5	135	12	30.245	0.182
290	4154	43.5	626.4	-	60	115	1950	290	235	115	5	170	12	49.983	0.364
300	5195	54.4	783.4	-	60	120	1900	300	235	115	5	180	14	59.571	0.495
310	5816	60.9	877	-	65	130	1850	310	255	125	5	195	16	70.279	0.614
340	7268	76.1	1096	-	65	135	1650	340	265	130	5	200	18	81.565	0.836
360	8729	91.4	1316	-	70	140	1590	360	276	135	6	210	12	107.42	1.379
390	9932	104	-	-	80	150	1470	390	316	155	6	225	14	134.09	1.956
410	13274	139	-	-	90	160	1400	410	336	165	6	240	15	154.04	2.459
440	14420	151	-	-	100	170	1300	440	366	180	6	255	16	185.69	3.32
480	18050	181	-	-	110	180	1200	480	386	190	6	270	18	232.7	5.107
530	23780	249	-	-	120	190	1080	530	406	200	6	285	20	280.03	7.436

MATERIAL SPECIFICATIONS

Hub	Size - 95 - 360	Cast Iron	CI	DIN 1693 GG 20
Hub	Size - 360 - 530	Cast Iron	CI	DIN 1693 GG 25
Bush 80° Shore A	All Size	Natural Rubber	NR	ASTM D2000 810
Coupling pin	All Size	Steel C 40	St	EN / DIN 10263 - 2

• Alternative Bush for higher power ratings is available on request

Bush 92° Shore A	All Size	Natural Rubber	NR	ASTM D2000 910	Torque 1.6 times of standard
Bush 92° Shore A (Yellow Colour)	All Size	Polyurethane	PU		Torque 1.8 times of standard
Bush 98° Shore A (Red Colour)	All Size	Polyurethane	PU		Torque 2.5 times of standard



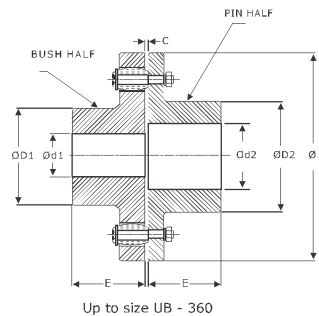
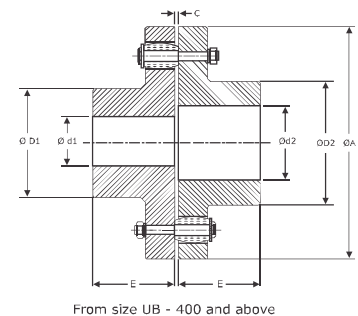
• For temperature range of elastomers please see on page no. 37 - coupling selection



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UTL UB COUPLINGS (Coupling with Curved Bushes)

UTL FLEXIBLE COUPLINGS



FEATURES

- Assembling and dismantling is very easy
- By removing the pins, prime mover can be run independently
- Standard bushes (element) in natural rubber
- After removing the pins, the hub with shaft can be removed upwards without disturbing the alignment
- The flexible bushes remain unaffected by water, dust and atmospheric conditions
- Range up to 160000 Nm
- Working temperature up 70° C

DIMENSIONS & TECHNICAL DATA

Size	Rated Torque Nm	kW Rating at 100 rpm	Maximum speed rpm	Dimensions are in mm								Max. Misalignment			No of holes	Weight / Coupling kg approx.	Moment of Inertia kg.m²
				Min. Bore	Max. Bore		ØA	ØD1	ØD2	E	C	Angular (°)	Parallel (mm)	Axial (mm)			
					Ød1	Ød2											
105	95	1.00	7200	11	30	32	105	48	50	45	2-6	1°	0.3	2	3	2.682	0.003
116	146	1.53	6100	12	39	42	116	60	68	45	2-6	1°	0.3	2	4	3.575	0.005
125	166	1.73	5500	14	45	50	125	68	78	50	2-6	1°	0.4	2	4	4.891	0.007
144	318	3.33	4900	18	50	60	144	82	91	55	2-6	1°	0.4	2	6	6.679	0.012
162	525	5.50	4500	22	60	65	162	89	100	60	2-6	1°	0.4	2	6	9.393	0.030
178	643	6.73	3800	24	70	75	178	105	115	70	2-6	1°	0.5	2	6	13.306	0.040
198	1248	13.07	3400	28	80	90	198	124	135	80	2-6	1°	0.5	2	10	18.37	0.062
228	2050	21.47	3000	28	90	100	228	133	146	90	4-10	1°	0.6	3	11	27.241	0.100
252	3069	32.13	2700	38	105	115	252	156	167	100	4-10	1°	0.6	3	12	37.005	0.170
285	4552	47.67	2400	48	115	125	285	170	186	110	4-10	1°	0.7	3	11	52.163	0.310
320	6099	63.87	2100	55	125	135	320	196	212	125	4-10	1°	0.7	3	12	74.359	0.530
360	8900	93.20	1900	65	135	150	360	212	232	140	4-12	1°	0.9	4	11	105.055	1.020
400	12051	126.20	1700	75	160	160	400	230	230	160	4-12	1°	1.1	4	10	133.63	1.700
450	18602	194.80	1500	85	180	180	450	260	260	180	4-12	0.5°	1.1	4	12	183.734	2.900
500	25802	270.20	1350	95	200	200	500	290	290	200	4-12	0.5°	1.1	4	14	244.977	4.700
560	31003	324.67	1200	95	225	225	560	320	320	220	4-8	0.5°	1.5	2	10	390.925	10.700
630	41998	439.80	1050	100	250	250	630	355	355	240	4-8	0.5°	1.5	2	12	519.049	17.400
710	75000	785.40	950	100	260	260	710	385	385	260	5-9	0.5°	1.8	2	12	711.633	33.000
800	100000	1047.20	850	100	280	280	800	420	420	290	5-9	0.5°	1.8	2	14	984.192	53.000
900	160000	1623.13	750	100	305	305	900	465	465	320	5-9	0.5°	1.8	2	16	1299.423	86.000

MATERIAL SPECIFICATIONS

Hub	Size - 105-360	Cast Iron	CI	DIN 1693 GG 20
Hub	Size - 360 - 900	Cast Iron	CI	DIN 1693 GG 25
Bush 80° Shore A	All Size	Natural Rubber	NR	ASTM D2000 810
Coupling pin	All Size	Steel C 40	St	EN / DIN 10263 - 2

- Alternative Bush for higher power ratings is available on request

Bush 92° Shore A	All Size	Natural Rubber	NR	ASTM D2000 910	Torque 1.6 times of standard
Bush 92° Shore A (Yellow Colour)	All Size	Polyurethane	PU		Torque 1.8 times of standard
Bush 98° Shore A (Red Colour)	All Size	Polyurethane	PU		Torque 2.5 times of standard



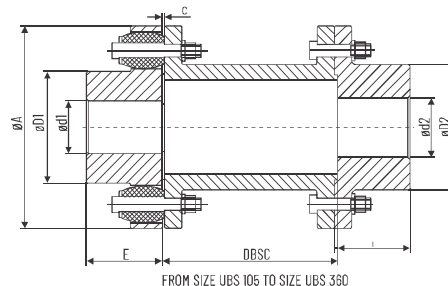
- For temperature range of elastomers please see on page no. 37 - coupling selection



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UTL UBS COUPLINGS

UTL FLEXIBLE COUPLINGS



FEATURES

- Assembling and dismantling is very easy.
- By removing the pins, prime mover can be run independently.
- Standard bushes (Element) in Natural rubber.
- After removing the pins, the hub with shaft can be removed up wards without disturbing the alignment.
- The flexible bushes remain unaffected by water, dust and atmospheric conditions.
- Working temperature up to 70° C
- Maximum permissible misalignment : Angular 1° , Parallel 0.9 mm & Axial 4 mm

DIMENSIONS & TECHNICAL DATA

Size	Rated Torque Nm	kW. Rating at 100 rpm	Max. Speed rpm	Min Bore	Max. Bore		DBSC	ØA	ØD1	ØD2	E	C	Max. Misalignment			No of Holes	Wt in. Kg approx. in Pilot Bore	M.I. in kg. m2 in Pilot Bore
					Ød1	Ød2							Axial mm	Radial mm	Angular			
105	95	1.00	7200	11	30	32	100 140	105	48	50	45	2-6	2	0.3	0.5°	3	4.57 4.86	0.005
116	146	1.53	6100	12	39	42	100 140	116	60	68	45	2-6	2	0.3	0.5°	4	6.04 6.63	0.007
125	166	1.73	5500	14	45	50	100 140	125	68	78	50	2-6	2	0.4	0.5°	4	7.43 8.13	0.011
144	318	3.33	4900	18	50	60	100 140 180	144	82	91	55	2-6	2	0.4	0.5°	6	9.99 10.75 11.52	0.020
162	525	5.50	4500	22	60	65	100 140 180	162	89	100	60	2-6	2	0.4	0.5°	6	14.35 14.28 16.33	0.039
178	643	6.73	3800	24	70	75	100 140 180	178	105	115	70	2-6	2	0.5	0.5°	6	20.00 20.16 21.31	0.060
198	1248	13.07	3400	28	80	90	100 140 180	198	124	135	80	2-6	2	0.5	0.5°	10	25.39 26.78 28.16	0.100
228	2050	21.47	3000	28	90	100	140 180	228	133	146	90	4-10	3	0.6	0.5°	11	39.22 40.78	0.210
252	3069	32.13	2700	38	105	115	140 180	252	156	167	100	4-10	3	0.6	0.5°	12	50.81 52.68	0.330
285	4552	47.67	2400	48	115	125	140 180	285	170	186	110	4-10	3	0.7	0.5°	11	73.11 75.50	0.660
320	6099	63.87	2100	55	125	135	140 180	320	196	212	125	4-10	3	0.7	0.5°	12	99.42 102.26	1.070
360	8900	93.20	1900	65	135	150	180	360	212	232	140	4-12	4	0.9	0.5°	11	145.36	2.020

MATERIAL SPECIFICATIONS

Hub	105 - 360	Cast Iron	CI	DIN 1693 GG 20
Bush	80° Shore A	Natural Rubber	NR	ST.ASTM D2000 810
Coupling pin	-	Steel C 40	St	EN/DIN 10263-2

- Alternative for higher power ratings

Bush	92° Shore A	Natural Rubber	NR	ST.ASTM D2000 910
Bush	98° Shore A	Polyurethane	PU	-



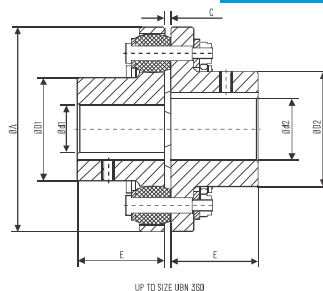
- For temperature range of elastomers please see on page no. 37 - coupling selection



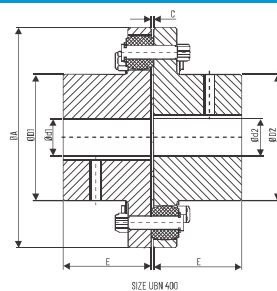
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UTL UBN COUPLINGS - CAST IRON

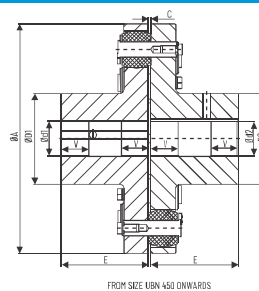
UTL FLEXIBLE COUPLINGS



UP TO SIZE UBN 300



SIZE UBN 400



FROM SIZE UBN 450 ONWARDS

FEATURES

- UBN coupling require less maintenance.
- Only elastomer buffers, as wear parts need to be replaced.
- Standard bushes (Element) in Nitrile rubber.
- Their robust design, UBN coupling are suitable for rough operating condition.
- UBN coupling are suitable for reversing operation & horizontal & vertical fitting at any required angle.
- Range up to 195000 Nm Torque-ratings.
- Working temperature up to -30° C and +80° C

DIMENSIONS & TECHNICAL DATA

Size	Rated Torque Nm	kW at 100 rpm	Max. Speed rpm	Min Bore	Max. Bore		ØA	ØD1	ØD2	E	C	Max. Misalignment			No of Holes	Wt in. Kg approx. in Pilot Bore	M.I. in kg. m2 in Pilot Bore
					Ød1	Ød2						Axial mm	Radial mm	Angular			
105	200	2.09	7000	11	32	38	105	53	59	45	3	0.2	0.2	0.11	8	2.04	0.0024
125	350	3.69	6000	14	40	48	125	65	68	50	3	0.2	0.2	0.10	8	4.26	0.0059
144	500	5.24	5250	18	45	55	144	76	84	55	3	0.23	0.23	0.09	10	6.18	0.0119
162	750	7.85	4650	22	50	60	162	85	92	60	3.5	0.25	0.25	0.09	9	8.85	0.0213
178	950	9.95	4200	24	60	70	178	102	108	70	3.5	0.27	0.27	0.09	10	12.57	0.0345
198	1300	13.61	3750	28	70	80	198	120	128	80	3.5	0.29	0.29	0.08	12	18.18	0.0599
228	2200	23.04	3300	28	80	90	228	129	140	90	3.5	0.3	0.3	0.08	11	26.20	0.1163
252	2750	28.80	3000	38	90	100	252	150	160	100	3.5	0.34	0.34	0.08	12	35.65	0.1905
285	4300	45.03	2650	48	100	110	285	164	175	110	4.5	0.36	0.36	0.07	11	50.03	0.3608
320	5500	57.60	2350	55	110	120	320	180	192	125	4.5	0.4	0.4	0.07	12	67.58	0.5914
360	7800	61.68	2100	65	120	130	360	200	210	140	4.5	0.43	0.43	0.07	10	98.06	1.1454
400	12500	130.90	2050	75	140	140	400	230	230	160	4.5	0.48	0.48	0.07	14	131.71	1.8348
450	18500	193.73	1800	85	160	160	450	260	260	180	5.5	0.52	0.52	0.07	12	194.46	3.5261
500	25000	261.80	1600	95	180	180	500	290	290	200	5.5	0.57	0.57	0.07	14	256.09	5.5367
560	39000	408.81	1450	100	140	140	560	250	250	220	6	0.62	0.62	0.06	12	348.26	9.8867
				140	180	180		300	300								
				180	200	200		320	320								
630	52000	544.54	1280	100	140	140	630	250	250	240	6	0.68	0.68	0.06	14	370.70	14.144
				140	180	180		300	300								
				180	220	220		355	355								
710	84000	879.65	1150	110	160	160	710	290	290	260	7	0.75	0.75	0.06	14	542.86	26.383
				160	200	200		330	330								
				200	240	240		385	385								
800	110000	1151.92	1000	125	180	180	800	320	320	290	7	0.84	0.84	0.06	16	776.22	44.732
				180	220	220		360	360								
				220	260	260		420	420								
900	150000	1570.80	900	140	220	220	900	360	360	320	7.5	0.93	0.93	0.06	16	1001	77.912
				220	260	260		425	425								
				260	290	290		465	465								
1000	195000	2042.04	810	150	240	240	1000	395	395	350	7.5	1.03	1.03	0.06	18	1300	120
				240	280	280		460	460								
				280	320	320		515	515								

MATERIAL SPECIFICATIONS

Hub	Size -105 - 360	Cast Iron	CI	DIN 1693 GG 25
Hub	Size -400 -1000	Cast Iron	CI	DIN 1693 GG 25
Bush	80° Shore A	Nitrile Rubber	NBR	STASTM D2000 910
Coupling pin	-	42CrMo4	-	EN 19

- Alternative for higher power ratings

Bush	92° Shore A	Nitrile Rubber	NBR	STASTM D2000 910
Bush	98° Shore A	Polyurethane	PU	-

- Note : From size - 560 bores D1 & D2 are each provided with a recess of D = +1mm halfway along the hub.
V ≈ 1/3 NL

- For temperature range of elastomers please see on page no. 37 - coupling selection

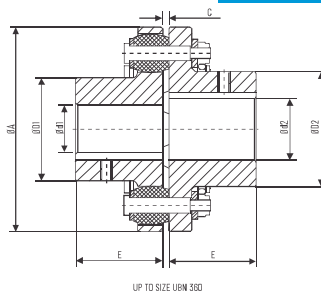




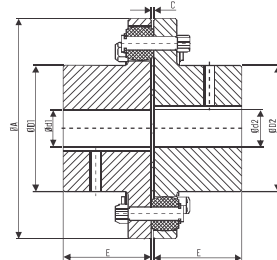
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UTL UBN COUPLINGS - CAST STEEL

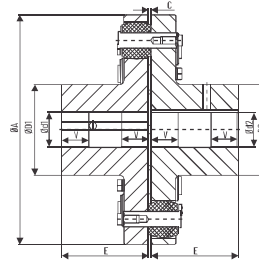
UTL FLEXIBLE COUPLINGS



UP TO SIZE UBN 360



SIZE UBN 400



FROM SIZE UBN 450 DOWNWARDS

FEATURES

- UBN coupling require less maintenance.
- Only elastomer buffers, as wear parts need to be replaced.
- Standard bushes (Element) in Nitrile rubber.
- Steel variant is also especially suitable for high-speed drives.
- Their robust design, UBN coupling are suitable for rough operating condition.
- UBN coupling are suitable for reversing operation & horizontal & vertical fitting at any required angle.
- Range up to 195000 Nm Torque-ratings.
- Working temperature up to -30° C and +80° C

DIMENSIONS & TECHNICAL DATA

Size	Rated Torque Nm	kW at 100 rpm	Max. Speed rpm	Min Bore	Max. Bore		ØA	ØD1	ØD2	E	C	Max. Misalignment			No of Holes	Wt in. Kg approx. in Pilot Bore	M.I. in kg. m2 in Pilot Bore
					Ød1	Ød2						Axial mm	Radial mm	Angular			
105	200	2.09	10000	11	32	38	105	53	59	45	3	0.2	0.2	0.11	8	2.20	0.0026
125	350	3.69	9000	14	40	48	125	65	68	50	3	0.2	0.2	0.10	8	4.59	0.0064
144	500	5.24	7800	18	50	60	144	76	84	55	3	0.23	0.23	0.09	10	6.67	0.0120
162	750	7.85	6900	22	55	65	162	85	92	60	3.5	0.25	0.25	0.09	9	9.54	0.0229
178	950	9.95	6300	24	70	75	178	102	108	70	3.5	0.27	0.27	0.09	10	13.58	0.0371
198	1300	13.61	5600	28	80	85	198	120	128	80	3.5	0.29	0.29	0.08	12	19.64	0.0645
228	2200	23.04	4900	28	85	95	228	129	140	90	3.5	0.3	0.3	0.08	11	28.30	0.125
252	2750	28.80	4400	38	100	110	252	150	160	100	3.5	0.34	0.34	0.08	12	38.55	0.205
285	4300	45.03	3900	48	110	120	285	164	175	110	4.5	0.36	0.36	0.07	11	54.02	0.3878
320	5500	57.60	3500	55	125	130	320	180	192	125	4.5	0.4	0.4	0.07	12	73.04	0.6367
360	7800	61.68	3100	65	135	140	360	200	210	140	4.5	0.43	0.43	0.07	10	105.97	1.2333
400	12500	130.90	2800	75	150	150	400	230	230	160	4.5	0.48	0.48	0.07	14	142.22	1.9729
450	18500	193.73	2500	85	170	170	450	260	260	180	5.5	0.52	0.52	0.07	12	210.04	3.7937
500	25000	261.80	2200	95	190	190	500	290	290	200	5.5	0.57	0.57	0.07	14	276.71	5.9601
560	39000	408.81	2000	100	165	165	560	250	250	220	6	0.62	0.62	0.06	12	375.62	10.609
				165	200	200		300	300								
				200	210	210		320	320								
630	52000	544.54	1800	100	165	165	630	250	250	240	6	0.68	0.68	0.06	14	399.65	15.183
				165	200	200		300	300								
				200	235	235		355	355								
710	84000	879.65	1600	110	190	190	710	290	290	260	7	0.75	0.75	0.06	14	585.09	28.310
				190	220	220		330	330								
				220	250	250		385	385								
800	110000	1151.92	1400	125	210	210	800	320	320	290	7	0.84	0.84	0.06	16	837.90	48.902
				210	240	240		360	360								
				240	280	280		420	420								
900	150000	1570.80	1250	140	210	210	900	320	320	320	7.5	0.93	0.93	0.06	16	1089.63	83.714
				210	240	240		360	360								
				240	280	280		425	425								
				280	310	310		465	465								
1000	195000	2042.04	1100	150	230	230	1000	355	355	350	7.5	1.03	1.03	0.06	18	1390	128
				230	260	260		395	395								
				260	300	300		460	460								
				300	340	360		515	515								

MATERIAL SPECIFICATIONS

Hub	Size -105 - 360	Cast Steel	CS	-
Hub	Size -400 - 1000	Cast Steel	CS	-
Bush	80° Shore A	Nitrile Rubber	NBR	STASTM D2000 910
Coupling pin		42CrMo4	-	EN 19

- Alternative for higher power ratings

Bush	92° Shore A	Nitrile Rubber	NBR	STASTM D2000 910
Bush	98° Shore A	Polyurethane	PU	-

- Note : From size - 560 bores D1 & D2 are each provided with a recess of D = +1mm halfway along the hub.
V ≈ 1/3 NL

- For temperature range of elastomers please see on page no. 37 - coupling selection



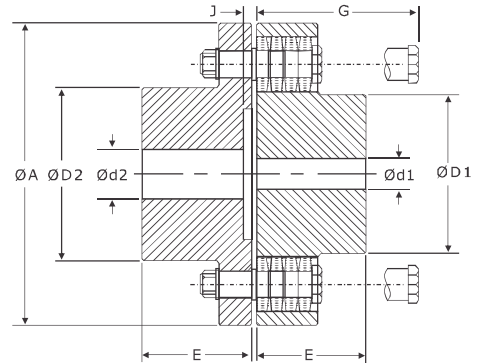


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UTL URC COUPLINGS

(Coupling with Cone Rings as Elastomers)

UTL FLEXIBLE COUPLINGS



FEATURES

- Simple mechanism, easy to inspect and change the flex cone rings, without moving either shaft or hub of the coupling
- Flex cone rings are the only wear parts, minimise running cost
- Range up to 45000 Nm

DIMENSIONS & TECHNICAL DATA

Size	Rated Torque Nm	kW Rating at 100 rpm	Maximum speed rpm	Dimensions are in mm									Misalignment			Weight / Coupling kg approx.	Moment of Inertia kg.m² App. (Min bore)
				Min. Bore	Max. Bore		ØA	ØD1	ØD2	E	G	J	Angular (°)	Parallel (mm)	Axial (mm)		
					Ød1	Ød2											
20	50	0.56	6500	12	20	28	89	35	44	33	73	6	1°	0.1	1.5	1.8	0.002
30	110	1.2	4600	12	30	38	127	51	66	41	88	6	1°	0.1	1.5	3.5	0.007
38	190	2.0	4400	15	38	42	132	64	72	48	88	6	1°	0.1	1.5	4.9	0.009
42	290	3.0	4000	15	42	48	146	70	82	56	88	6	1°	0.1	1.5	6.3	0.013
48	480	5.0	3400	21	48	55	171	82	94	61	114	6	1°	0.15	1.5	10.4	0.034
58	760	8.0	3000	21	58	65	193	97	110	68	114	6	1°	0.15	1.5	14.2	0.055
70	1000	11.0	2700	21	70	75	216	117	130	76	114	6	1°	0.15	1.5	19.8	0.092
75	2600	27.0	2300	28	75	80	254	127	142	88	179	6	1°	0.2	1.5	36.9	0.269
85	3500	37.0	2090	28	85	90	279	147	160	100	179	6	1°	0.2	1.5	48.5	0.408
105	5300	56.0	1760	34	105	120	330	180	210	117	179	6	1°	0.2	1.5	76.4	0.832
120	9000	94.0	1570	61	120	130	370	206	225	132	244	9	1°	0.25	1.5	121	1.811
135	12000	128.0	1390	67	135	150	419	230	260	147	244	9	1°	0.25	1.5	163	2.998
150	16000	167.0	1280	82	150	170	457	256	300	165	244	11	1°	0.25	1.5	209	4.397
170	25000	258.0	1090	96	170	190	533	292	320	188	318	11	1°	0.25	1.5	305	9.998
190	34000	360.0	975	122	190	215	597	330	380	211	318	6	1°	0.40	1.5	397	15.900
215	45000	467.0	880	135	215	240	660	368	430	237	318	6	1°	0.40	1.5	508	24.950
240	92030	964.0	900	140	250	250	737	407	407	264	170	6	1.5°	1.00	2.5	760	52.994
265	121900	1277.0	800	160	285	285	826	457	457	292	170	6	1.5°	1.00	2.5	997	89.411
280	158800	1663.0	720	180	310	310	927	508	508	311	170	6	1.5°	1.00	2.5	1300	141.075
305	191060	2000.0	675	180	330	330	991	533	533	324	170	6	1.5°	1.00	2.5	1509	182.174
330	251200	2631.0	625	200	355	355	1067	572	572	330	170	6	1.5°	1.00	2.5	1755	240.094

MATERIAL SPECIFICATIONS

Hub	Size - 20-105	Cast Iron	CI	DIN 1693 GG 20
Hub	Size - 120-215	Cast Iron	CI	DIN 1693 GG 25
Cone Ring 70° Shore A	All Size	Natural Rubber	NR	ASTM D2000 710
Coupling pin	All Size	Steel C 40	St	EN / DIN 10263 - 2



* For temperature range of elastomers please see on page no. 37 - coupling selection

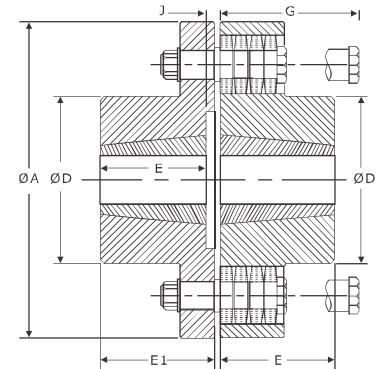


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UTL FLEXIBLE COUPLINGS

UTL URCT COUPLINGS

(Coupling with Taper Bore & Cone Rings as Elastomers)



FEATURES

- Simple mechanism, easy to inspect and change the flex cone rings, without moving either shaft or hub of the coupling
- Flex cone rings are the only wear parts. Minimise running cost
- Range up to 16000 Nm
- Taper bush gives clamping on shaft total surface
- Easy to replace thus minimising maintenance time

DIMENSIONS & TECHNICAL DATA

Size	Rated Torque Nm	kW Rating at 100 rpm	Maximum speed rpm	Taper Bush Size	Dimensions are in mm							Misalignment			Weight / Coupling kg approx.	Moment of Inertia kg.m ² App. (Min bore)
					Bore Range	ØA	ØD	E	E1	G	J	Angular (°)	Parallel (mm)	Axial (mm)		
42	290	3.0	4000	1215	12-32	146	70	38	41	88	6	1°	0.1	1.5	5.5	0.013
48	480	5.0	3400	1615	14-42	171	82	38	41	114	6	1°	0.15	1.5	9	0.032
58	760	8.0	3000	2017	14-50	193	97	45	47	114	6	1°	0.15	1.5	13	0.053
70	1000	11.0	2700	2525	16-60	216	117	64	68	114	6	1°	0.15	1.5	18.1	0.088
75	2600	27.0	2300	2525	16-60	254	127	64	68	179	6	1°	0.2	1.5	35.2	0.265
85	3500	37.0	2090	3030	24-75	279	147	76	80	179	7	1°	0.2	1.5	44.1	0.39
105	5300	56.0	1760	3535	35-90	330	180	89	93	179	6	1°	0.2	1.5	72.1	0.773
120	9000	94.0	1570	4040	40-100	370	206	102	106	244	10	1°	0.25	1.5	108	1.718
135	12000	128.0	1390	4545	55-115	419	230	114	119	244	11	1°	0.25	1.5	144	2.869
150	16000	167.0	1280	5050	70-127	457	256	127	132	244	11	1°	0.25	1.5	181	4.069

MATERIAL SPECIFICATIONS

Hub	Size - 42-105	Cast Iron	CI	DIN 1693 GG 20
Hub	Size - 120-150	Cast Iron	CI	DIN 1693 GG 25
Cone Ring 70° Shore A	All Size	Natural Rubber	NR	ASTM D2000 710
Coupling pin	All Size	Steel C 40	St	EN / DIN 10263 - 2



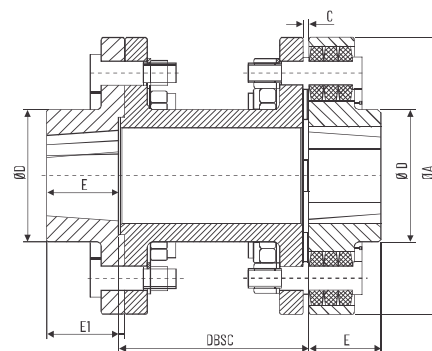
* For temperature range of elastomers please see on page no. 37 - coupling selection



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UTL URCTS COUPLINGS

UTL FLEXIBLE COUPLINGS



FROM SIZE URCTS 042 TO SIZE URCTS 085

FEATURES

- Simple mechanism, easy to inspect and change the flex cone rings, without moving either shaft or hub of the coupling.
- Flex cone rings are the only wear parts. They cost very less.
- This makes the URCTS cone ring coupling economical in the long run.
- Range up to 3500 nm torque - ratings.
- Taper bush gives clamping on shaft total surface.
- Easy to replace thus minimising maintenance time.

DIMENSIONS & TECHNICAL DATA

Size	Rated Torque Nm	kW. Rating at 100 rpm	Max. Speed rpm	Bush Size	Bore Range	DBSC	Dimensions are in mm					Max. Misalignment			Wt in. Kg approx. in Pilot Bore	M.I. in kg. m ² in Pilot Bore
							ØA	ØD	E	E1	C	Axial mm	Radial mm	Angular		
42	290	3.0	4000	1215	12-32	100,140,180	146	70	38	41	3	1.5	1.75	1°	8.06	0.020
48	480	5.0	3400	1615	14-42	100,140,180	171	82	38	41	3	1.5	1.75	1°	13.16	0.050
58	760	8.0	3000	2017	14-50	100,140,180	193	97	45	47	3	1.5	1.75	1°	17.67	0.084
70	1000	11.0	2700	2525	16-60	100,140,180	216	117	64	68	4	1.5	1.75	1°	22.60	0.135
75	2600	27.0	2300	2525	16-60	140,180	254	127	64	68	4	1.5	2.44	1°	48.65	0.403
85	3500	37.0	2090	3030	24-75	140,180	279	147	76	80	4	1.5	2.44	1°	61.09	0.624

MATERIAL SPECIFICATIONS

Hub	42-85	Cast Iron	CI	DIN 1693 GG 20
Cone ring	70° Shore A	Natural Rubber	NR	STASTM D2000 710
Coupling pin		C 40		EN/DIN 10263-2
Spacer	42-85	SG 400-15	SG	EN-GJS-400-15

- Alternative cone ring for higher power ratings is available on request

Cone ring	98° Shore A	Polyurethane	PU	
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• For temperature range of elastomers please see on page no. 37 - coupling selection