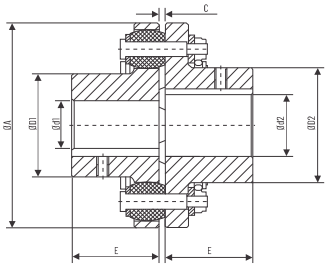
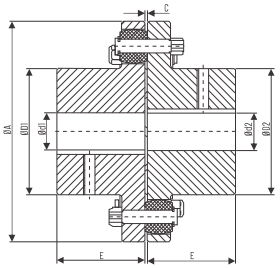
UTL UBN COUPLINGS - CAST IRON

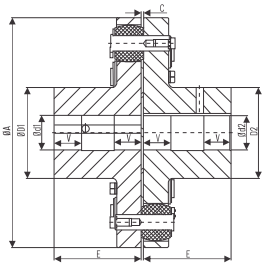
UTL FLEXIBLE COUPLINGS



UP TO SIZE UBN 360



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	ST.ASTM D2000 910
Coupling pin	-	42CrMo4	-	EN 19

- Alternative for higher power ratings

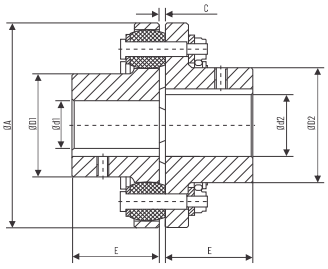
Bush	92° Shore A	Nitrile Rubber	NBR	ST.ASTM D2000 910
Bush	98° Shore A	Polyurethane	PU	-

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

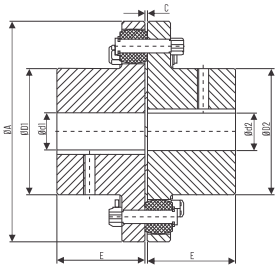
- For temperature range of elastomers please see on page no. 37 - coupling selection

UTL UBN COUPLINGS - CAST STEEL

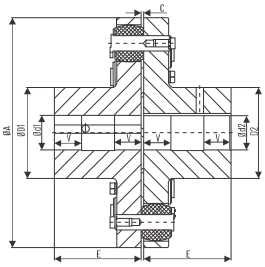
UTL FLEXIBLE COUPLINGS



UP TO SIZE UBN 360



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.
- 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	ST.ASTM D2000 910
Coupling pin		42CrMo4	-	EN 19

- Alternative for higher power ratings

Bush	92° Shore A	Nitrile Rubber	NBR	ST.ASTM 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