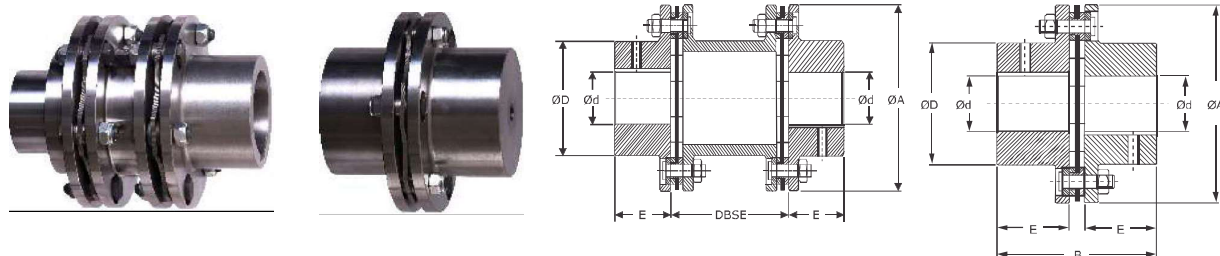




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UTL UMS2 / UMK2 COUPLINGS (Metalflex Couplings)

UTL FLEXIBLE COUPLINGS



FEATURES

- Power to weight ratio high
- Accommodates angular and axial misalignments
- High temperature application
- Visual inspection is possible without dismantling equipments
- Low axial stiffness with high torsional rigidity
- High-speed capacity
- Range up to 12000 Nm
- Added advantage of stretch fitted shim pack

DIMENSIONS & TECHNICAL DATA

Size	Rated Torque Nm	Max. Speed rpm	Max. Bore Ød	Dimensions are in mm				B		Torsional Stiffness Nm/radial Approx	Wt in. Kg	Wt in. Kg	Moment of inertial (kg.m2)
				DBSE	E	ØA	ØD	UMK2	UMS2		UMK2	UMS2	
20	15	20000	20	60	20	56	32	45	100	0.017	On request UTL will provide data.	On request UTL will provide data.	On request UTL will provide data. According to spacer length.
25	30	16000	25	60	25	68	40	56	110	0.028			
35	60	13000	35	70	40	82	54	86	150	0.092			
38	120	12000	38	80	45	94	58	98	170	0.198			
42	180	10000	42	80	45	104	68	100	170	0.282			
50	330	8000	50	96	55	126	78	121	206	0.501			
60	690	6700	60	96	55	138	88	121	206	0.560			
70	1100	5900	70	116	65	156	102	141	246	0.900			
80	1500	5100	80	136	75	179	117	164	286	1.140			
85	2400	4750	85	140	80	191	123	175	300	1.520			
90	4500	4300	90	140	80	210	132	175	300	1.940			
105	5100	4000	105	160	90	225	147	200	340	2.540			
115	9000	3400	115	170	100	265	163	223	370	3.480			
135	12000	3000	135	250	135	305	184	297	520	6.850			

• For non standard DBSE please contact UTL

MATERIAL SPECIFICATIONS

Hub	Size - 20 - 135	Steel C 40	St	EN/DIN 10263 - 2
Spacer	Size - 20 - 135	Steel C 40	St	EN/DIN 10263 - 2
Disc Pack	Size - 20 - 135	Stainless Steel	SS	



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

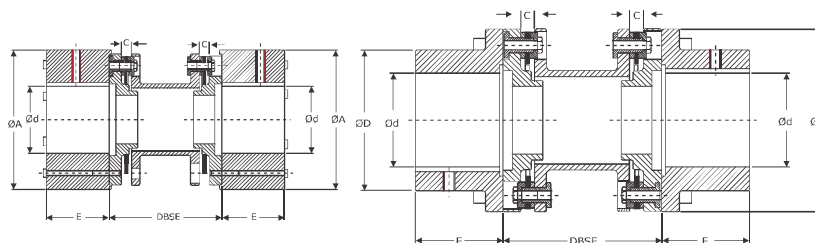




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UTL UMSR2 COUPLINGS (Metalflex Couplings Antifly Design)

UTL FLEXIBLE COUPLINGS



Size : 35

Size : 50-160

FEATURES

- Series for pump drives
- Coupling in accordance with **API 610, API 671 optionally**
- Available with large hub for bigger bore diameters
- Spacers are supplied assembled by the manufacturer
- Finish bore according to ISO fit H7, feather key according to DIN 6885 sheet 1 - JS9

DIMENSIONS & TECHNICAL DATA

Size	Rated Torque Nm	Max. Torque Nm	Vibratory Torque kW	Dimensions are in mm										Wt in. Kg	Moment of inertial (kg.m2)
				Max. Bore Ød	ØD	ØA	E	C	DBSE						
35	60	120	30	50	-	75	38.5	6	100	140	-	-	-	On request UTL will provide data.	On request UTL will provide data. According to spacer length.
50	240	480	120	50	70	95	50	9	100	140	-	-	-		
65	450	900	225	65	100	126	63	10	100	140	180	-	-		
75	940	1880	470	75	105	138	62.5	10	100	140	180	-	-		
85	1700	3400	850	85	120	156	72.5	12	-	140	180	200	250		
110	2700	5400	1350	110	152	191	87	12	-	140	180	200	250		
120	4500	9000	2250	120	165	213	102	12	-	-	180	200	250		
140	9000	18000	4500	140	200	265	126	15	-	-	-	200	250		
160	13000	26000	6500	160	230	305	145	15	-	-	-	-	250		

• For non standard DBSE please contact UTL.

MATERIAL SPECIFICATIONS

Hub	Size - 35 - 160	Steel C 40	St	EN/DIN 10263 - 2
Spacer	Size - 35 - 160	Steel C 40	St	EN/DIN 10263 - 2
Disc Pack	Size - 35 - 160	Stainless Steel	SS	



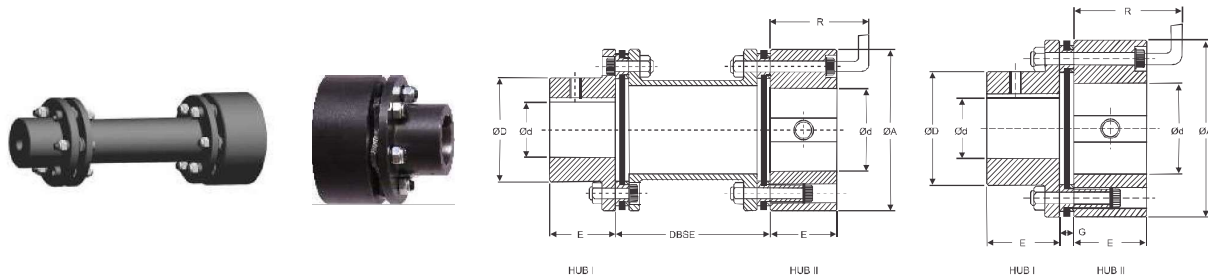
• For temperature range of elastomers please see on page no. 37 - coupling selection



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UTL UMS / UMK COUPLINGS (Metalflex Couplings)

UTL FLEXIBLE COUPLINGS



FEATURES

- Power to weight ratio high
- Accommodates angular and axial misalignments
- High temperature application
- Visual inspection is possible without dismantling equipments
- Low axial stiffness with high torsional rigidity
- High-speed capacity
- Range up to 13367 Nm
- Added advantage of stretch fitted shim pack

DIMENSIONS & TECHNICAL DATA

Coupling Size	Rated Torque Nm	kW at 100 rpm	Max Speed rpm	Dimensions are in mm							Wt in Kg approx.	Moment of Inertial (kg.m ²) App.		Tors. Stiffness radian Approx
				Min. Bore Ød	Max. Bore Ød		DBSE	E	ØA	ØD		Min. Std. "DBSE"	Per Mtr Extra "DBSE"	
5	33	0.35	7500	8	20	22	100	25	55	30	0.64	0.0002	0.0003	0.016
10	64	0.67	7500	10	22	25	140	30	63	35	0.98	0.0003	0.0004	0.031
35	160	1.67	7000	12	30	38	100	40	82	45	2.47	0.0017	0.00047	0.025
95	515	5.4	6000	17	40	50		45	102	57	3.87	0.004	0.001	0.04
170	860	9	5200	17	52	70		55	128	77	7.38	0.012	0.005	0.099
220	1337	14	4800	22	65	80		60	146	94	8.99	0.036	0.008	0.176
400	2388	25	4400	27	80	100	250	70	176	115	15.13	0.070	0.0200	0.305
520	3342	35	4200	32	90	115	140	90	197	132	24.04	0.130	0.0355	0.432
1000	5060	53	4000	42	105	130	180	95	225	147	32.46	0.240	0.0541	0.60
1300	7161	75	3800	47	115	140	180	105	250	162	47.53	0.500	0.0700	0.80
2000	10025	105	3700	52	120	155	250	115	275	178	65.39	0.660	0.1486	1.50
2500	13367	140	3600	62	135	165	300	130	300	190	83.78	1.000	0.1000	1.40

* For non standard DBSE please contact UTL

MATERIAL SPECIFICATIONS

Hub	Size - 5 - 2500	Steel C 40	St	EN/DIN 10263 - 2
Spacer	Size - 100 - 300	Steel C 40	St	EN/DIN 10263 - 2
Disc Pack	Size - 5 - 2500	Stainless Steel	SS	



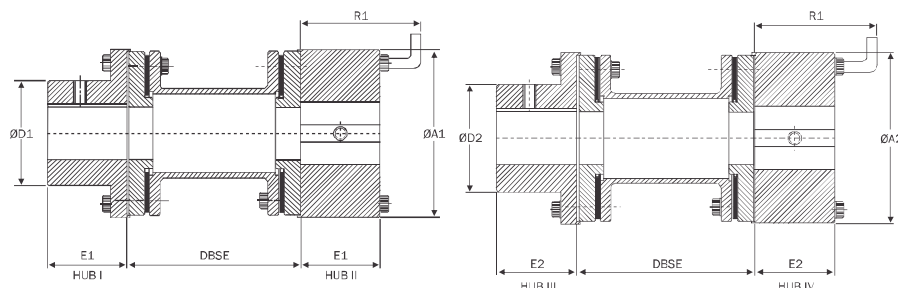
* For temperature range of elastomers please see on page no. 37 - coupling selection



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UTL UEMS COUPLINGS

UTL FLEXIBLE COUPLINGS



FEATURES

- Power to weight ratio high
- Accommodates angular and axial misalignments
- High temperature application
- Visual inspection is possible without dismantling equipments
- Low axial stiffness with high torsional rigidity
- High-speed capacity
- Range up to 13367 Nm
- Added advantage of stretch fitted shim pack
- **API 671 compliance available on request**
- **API 610 compliance available on request**

DIMENSIONS & TECHNICAL DATA

Size	Rated Torque Nm	kW at 100 rpm	Max. Speed rpm	Dimensions are in mm													Weight in kg Approx		Moment of Inertia kgm2 Approx		Tors. Stiffness rad/m Approx	
				Min. Bore	Hub I	Max Bore			Min. DBSE	Std. DBSE	E1	E2	ØA1	ØA2	ØD1	ØD2	R1	Min.Std. "DBSE"	Per Mtr Extra "DBSE"	Min.Std. "DBSE"		Per Mtr Extra "DBSE"
4	33	0.35	7500	8	19	32	24	42	55	100	25	30	61	69	32	40	70	1.30	1.20	0.001	0.0001	0.016
8	64	0.67	7500	10	22	25	38	48	65		30	40	69	86	40	55	80	1.20	1.30	0.001	0.0002	0.030
25	160	1.67	7000	12	30	38	48	72	70	140	40	45	90	108	55	70	90	3.76	2.41	0.0038	0.0005	0.025
65	515	5.4	6000	17	40	50	65	92	80	180	45	55	108	135	70	86	105	6.00	2.70	0.009	0.0009	0.040
125	860	9	5200	17	52	70	80	104	90	140	55	60	135	155	86	108	120	11.10	7.00	0.030	0.0005	0.095
165	1337	14	4800	22	65	80	90	120	120		60	70	152	179	108	130	125	17.00	8.40	0.060	0.0088	0.170
370	2388	25	4400	37	80	100	108	142	130	180	70	90	182	200	130	158	135	28.40	13.10	0.130	0.0213	0.300
390	3342	35	4200	32	90	115	127	155	130	250	90	95	197	222	158	181	155	38.30	12.82	0.234	0.0360	0.430
790	5060	53	4000	42	105	130	140	178	135	180	95	105	225	250	181	206	160	53.18	19.21	0.418	0.0530	0.600
1025	7161	75	3800	47	115	140	155	192	140		105	115	250	275	206	223	170	74.40	27.10	0.700	0.0670	0.800
1425	10025	105	3700	52	120	155	170	212	150	180	115	130	175	300	223	248	190	98.63	34.60	1.134	0.1400	1.100
1880	13367	140	3600	62	135	165	190	255	175	250	130	145	300	375	248	280	215	128.10	42.80	1.700	0.1600	1.500

* For non standard DBSE please contact UTL

MATERIAL SPECIFICATIONS

Hub	Size - 4 - 1880	Steel C 40	St	EN/DIN 10263 - 2
Spacer	Size - 4 - 1880	Steel C 40	St	EN/DIN 10263 - 2
Disc Pack	Size - 4 - 1880	Stainless Steel	SS	



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

