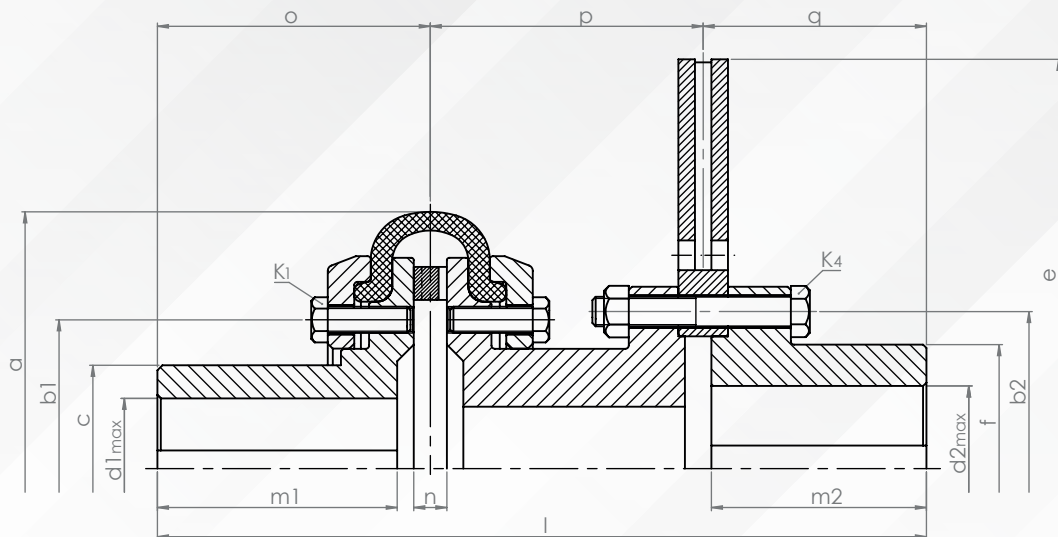


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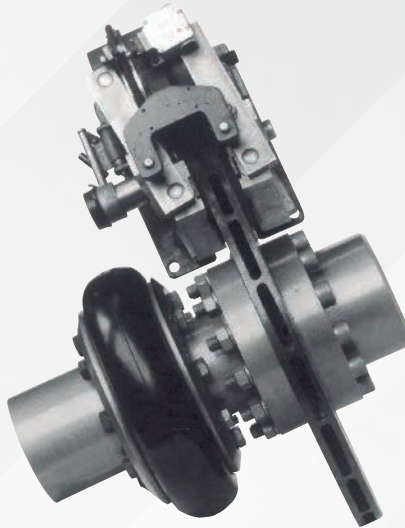


Uneflex D Series | Coupling with brake disc

Coupling Size	40D-315	40D-355	63D-315	63D-355	63D-400	125D-355	125D-400	125D-450	125D-500	125D-550	200D-400	200D-450
Nominal Torque [Nm]	400	400	800	800	800	1.600	1.600	1.600	1.600	1.600	2.500	2.500
Max. Speed [rpm]	3.000	2.500	2.700	2.500	2.400	2.500	2.400	2.100	1.900	1.800	2.000	2.000
Diameter [mm]												
a	210	210	263	263	263	310	310	310	310	310	370	370
b1	110	110	140	140	140	180	180	180	180	180	235	235
b2	105	125	105	125	140	125	140	146	190	190	140	146
c	80	80	95	95	95	125	125	125	125	125	150	150
d1max	55	55	65	65	65	85	85	85	85	85	100	100
d2max	55	60	50	60	70	60	75	75	100	100	75	75
e	315	355	315	355	395	355	395	445	495	550	395	445
f	80	95	80	95	105	95	105	110	150	150	105	110
Screws K1	6xM12	6xM12	8xM12	8xM12	8xM12	8xM16	8xM16	8xM16	8xM16	8xM16	8xM16	8xM16
Screws K4	9xM10	9xM12	9xM10	9xM12	9xM14	9xM12	9xM14	12xM16	12xM18	12xM18	9xM14	12xM16
Length [mm]												
l	366	366	393	383	383	445	445	478	465	465	467	500
m1	110	110	110	110	110	140	140	140	140	140	150	150
m2	97	97	97	97	97	97	97	130	130	130	97	130
n	20	20	24	24	24	20	20	20	20	20	22	22
o	126	126	130	130	130	165	165	165	165	165	172,5	172,5
p	138	138	161	151	151	178	178	178	165	165	192,5	192,5
q	102	102	102	102	102	102	102	135	135	135	102	135
Mass Moment of Inertia & Tyre No.												
Inertia J [kgm²] (1)	0,134	0,202	0,220	0,355	0,478	0,530	0,589	0,877	1,258	1,565	1,114	1,339
Mass [kg] (1)	27,4	31,4	38,6	42,9	49,2	59,9	66,7	72,8	84,6	90,1	93,6	99,9
Tyre No.	214	214	218	218	218	222	222	222	222	222	225	225

(1) The value of the complete coupling

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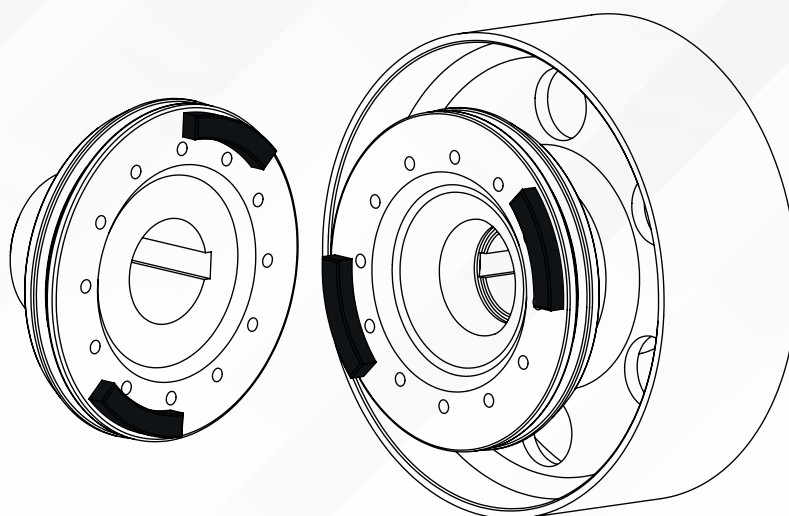
Coupling Size	200D-500	200D-550	200D-630	300D-500	300D-550	300D-630	400D-630	400D-710	400D-800	800D-710	800D-800
Nominal Torque [Nm]	2.500	2.500	2.500	4.000	4.000	4.000	6.000	6.000	6.000	10.000	10.000
Max. Speed [rpm]	1.900	1.800	1.500	1.900	1.800	1.500	1.500	1.300	1.200	1.250	1.200
Diameter [mm]											
a	370	370	370	402	402	402	450	450	450	550	550
b1	235	235	235	260	260	260	260	260	260	280	280
b2	190	190	205	190	190	205	205	230	260	230	260
c	150	150	150	160	160	160	180	180	180	210	210
d1max	100	100	100	110	110	110	110	110	110	140	140
d2max	100	100	100	100	100	100	100	120	130	120	130
e	495	550	625	495	550	625	625	705	795	705	795
f	150	150	150	150	150	150	150	180	200	180	200
Screws K1	8xM16	8xM16	8xM16	12xM16	12xM16	12xM16	12xM16	12xM16	12xM16	12xM20	12xM20
Screws K4	12xM18	12xM18	12xM20	12xM18	12xM18	12xM20	12xM20	12xM22	12xM24	12xM22	12xM24
Length [mm]											
l	500	500	515	622	530	530	655	575	575	715	715
m1	150	150	150	155	155	155	190	190	190	210	210
m2	130	130	130	130	130	130	130	130	130	130	130
n	22	22	22	24	24	24	40	40	40	90	90
o	172,5	172,5	172,5	182	182	182	220	220	220	260	260
p	192,5	192,5	207,5	305	213	213	300	220	220	320	320
q	135	135	135	135	135	135	135	135	135	135	135
Mass Moment of Inertia & Tyre No.											
Inertia J [kgm ²] (1)	1,729	2,216	3,005	2,096	2,368	3,332	4,096	5,512	7,941	7,354	10,572
Mass [kg] (1)	115	120	139	141	134	152	198	200	233	290	321
Tyre No.	225	225	225	426	426	426	828	828	828	1230	1230

(1) The value of the complete coupling

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Safety Mortises

All Uneflex couplings are available with safety mortises. In case of a tyre rupture, the safety mortises act as a torsionally rigid transmission element, permitting a temporary emergency operation with limited torque free of backlash. For the installation of Uneflex couplings with safety mortises, an angle of 45° must exist between the mortises of the coupling hubs.



Tightening Torque of the Screws

M and T Series

Coupling Size	M-2	M-3	M-4	M-5	M-6	M-7	M-8	M-9	M-10	M-11	M-12	M-13
$K_1 T_A$ [Nm]	4	6	15	20	25	30	45	55	60	110	200	240

-1, DVA, DVS, SD, P and D Series

Coupling Size	01-1 DVA-1	03-1 DVA-2	06-1 DVA-6	10-1 DVA-16	14-1 DVA-40	18-1 DVA-63	22-1 DVA-125	25-1 DVA-200	26-1 DVA-300	28-1 DVA-400	30-1 DVA-800	32-1 DVA-1500
$K_1 T_A$ [Nm]	1,5	4	6	15	20	25	45	55	60	110	200	240

SD Series

K_3 Thread Dimension	M6	M8	M10	M12	M16	M20
$K_3 T_A$ [Nm]	10	25	49	86	210	410

D Series

Disc Ø	315	355	400	450	500	550	630	710	800
$K_4 T_A$ [Nm]	49	86	135	210	290	290	410	550	710



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