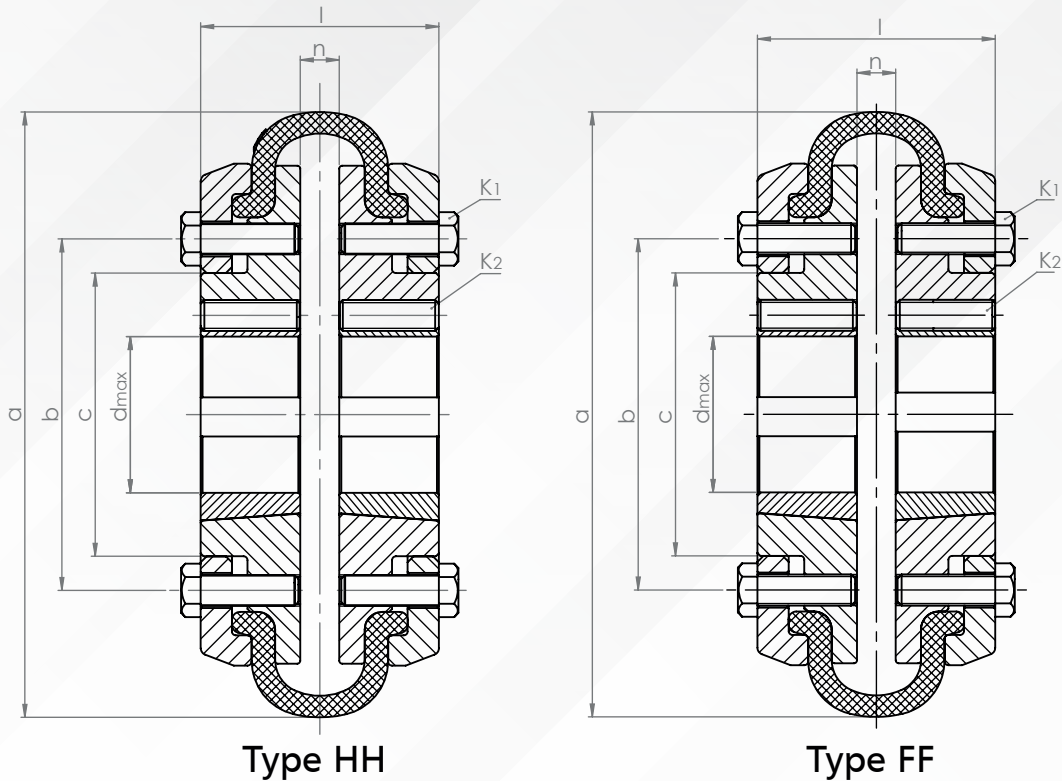


# UNE'S PRODUCT RANGE / UNEFLEX



## Uneflex T Series | Coupling for taper bush

Coupling Size	T-2	T-3	T-4	T-5	T-6	T-7	T-8	T-9	T-10	T-11
Nominal Torque [Nm]	35	75	150	300	600	800	1.200	2.000	3.400	5.500
Max. Torque [Nm]	105	225	450	900	1.800	2.400	3.600	6.000	10.200	16.500
Max. Speed [rpm]	5.000	5.000	4.000	4.000	3.000	3.000	3.000	2.500	2.300	1.800
<b>Diameter [mm]</b>										
a	110	140	170	210	250	280	320	360	400	450
b	55	71	85	114	140	152	178	198	220	252
c	43	55	70	93	107	112	140	160	180	210
dmax (1)	25	28	42	50	60	60	75	90	100	110
dmax without Bush	28	38	48	68	75	83	90	105	115	130
Screws K1	6xM6	6xM8	6xM10	6xM12	8xM12	8xM12	8xM16	8xM16	12xM16	12xM16
Screws K2	2x1/4"	2x1/4"	2x3/8"	2x7/16"	2x1/2"	2x1/2"	2x5/8"	3x1/2"	3x5/8"	3x3/4"
<b>Length [mm]</b>										
l	60	61	72	86	112	116	126	207	234	256
n	15	16	20	20	22	20	22	23	22	24
<b>Mass Moment of Inertia, Joining Bush No. &amp; Tyre No.</b>										
Joining Bush No.	1008	1108	1610	2012	2517	2517	3020	3535	4040	4545
Inertia J [kgm <sup>2</sup> ] (2)	0,0015	0,0042	0,0115	0,0354	0,0926	0,1646	0,2952	0,5619	0,9230	1,7014
Mass [kg] (2)	1,48	2,56	3,98	8,60	15,6	23,1	33,2	53,9	76,3	92,8
Tyre No.	16/22	23/28	29/35	36/44	45/55	56/65	66/75	76/85	86/95	96/110

(1) The value of the bore with flat keyway only. If another keyway is required, see taper bush table to know the maximum diameter  
 (2) The value of the complete coupling including taper bush with maximum bore diameter

# UNE'S PRODUCT RANGE / UNEFLEX

## Uneflex DVS Series | Coupling for taper bush

Coupling Size	2	6	16	40	63	125	200	300	400	800
Nominal Torque [Nm]	50	100	200	400	800	1.600	2.500	4.000	6.000	10.000
Max. Torque [Nm]	150	300	600	1.200	2.400	4.800	7.500	12.000	18.000	30.000
Max. Speed [rpm]	5.000	5.000	4.000	4.000	3.000	3.000	2.500	2.300	1.800	1.500
<b>Diameter [mm]</b>										
a	104	136	178	210	263	310	370	402	450	550
b	54	68	88	116	140	180	235	260	260	280
c	43	56	72	93	110	145	196	216	216	225
dmax (1)	25	28	42	50	65	75	90	100	110	110
dmax without Bush	28	38	48	65	75	100	100	110	120	150
Screws K1	6xM6	8xM6	8xM8	12xM8	8xM12	8xM16	8xM16	12xM16	12xM16	12xM20
Screws K2	2x1/4"	2x1/4"	2x3/8"	2x7/16"	2x1/2"	2x5/8"	3x1/2"	3x5/8"	3x3/4"	3x3/4"
<b>Length [mm]</b>										
l	53	53	73	84	114	122	200	228	270	330
n	8	8	19	20	24	20	22	24	40	90
<b>Mass Moment of Inertia, Joining Bush No. &amp; Tyre No.</b>										
Joining Bush No.	1008	1108	1610	2012	2517	3020	3535	4040	4545	4545
Inertia J [kgm <sup>2</sup> ] (2)	0,0009	0,0025	0,0158	0,0325	0,1092	0,2738	0,7479	1,1786	1,7640	3,7816
Mass [kg] (2)	1,20	1,80	4,50	7,50	14,9	22,5	63,0	85,0	104	160
Tyre No.	203	206	210	214	218	222	225	426	828	1230

## Uneflex F Series | Coupling for taper bush

Coupling Size	F-40	F-50	F-60	F-70	F-80	F-90	F-100	F-110	F-120	F-140	F-160	F-180	F-200
Nominal Torque [Nm]	30	75	130	250	350	500	600	850	1.200	2.100	3.800	6.100	9.250
Max. Torque [Nm]	90	220	380	700	1.000	1.500	1.800	2.100	3.600	6.000	11.400	16.200	27.750
Max. Speed [rpm]	4.500	4.500	4.000	3.600	3.100	3.000	2.600	2.300	2.100	1.800	1.600	1.500	1.300
<b>Diameter [mm]</b>													
a	104	133	165	187	211	235	254	279	314	359	402	470	508
c	46	54	70	80	98	108	113	134	140	178	197	205	205
dmax (1)	25	32	42	42	50	65	65	75	75	100	115	125	125
dmax without Bush	30	38	45	50	60	70	80	90	100	130	140	150	150
Screws K1	6xM5	6xM5	5xM8	5xM8	6xM8	6xM10	6xM10	6xM10	6xM12	8xM12	8xM16	10xM16	12xM16
Screws K2	2x1/4"	2x3/8"	2x3/8"	2x3/8"	2x7/16"	2x1/2"	2x1/2"	2x1/2"	2x5/8"	3x1/2"	3x5/8"	3x3/4"	3x3/4"
<b>Length [mm]</b>													
l	67	76	84	88	90	119	119	129	131	163	184	224	226
n	11	12	20	23	25	27	27	25	29	32	30	46	48
<b>Mass Moment of Inertia, Joining Bush No. &amp; Tyre No.</b>													
Joining Bush No.	1008	1210	1610	1610	2012	2517	2517	3020	3020	3525	4030	4535	4535
Inertia J [kgm <sup>2</sup> ] (2)	0,0018	0,0036	0,0104	0,0184	0,0341	0,0665	0,1109	0,1624	0,2765	0,5461	0,9080	0,7610	2,5641
Mass [kg] (2)	1,80	2,40	4,00	6,00	9,50	14,0	19,0	23,0	32,0	45,0	65,0	85,0	110
Tyre No.	UNP-40	UNP-50	UNP-60	UNP-70	UNP-80	UNP-90	UNP-100	UNP-110	UNP-120	UNP-140	UNP-160	UNP-180	UNP-200

(1) The value of the bore with flat keyway only. If other keyway is required, see taper bush table to know maximum diameter

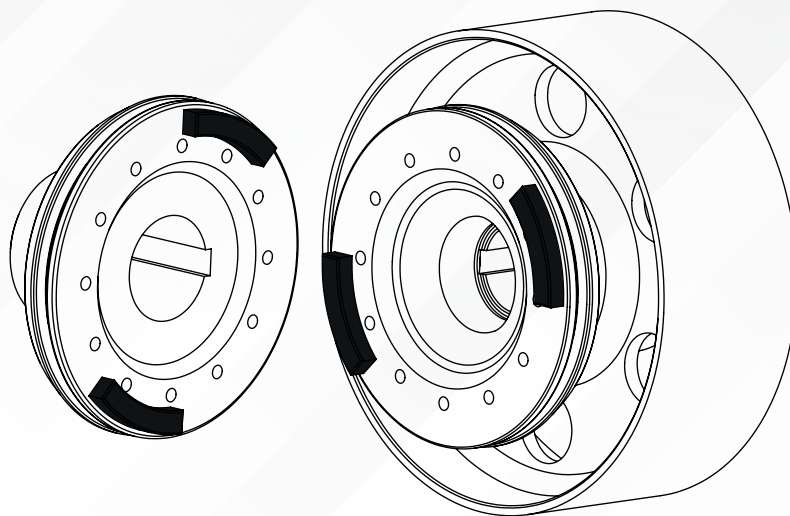
(2) The value of the complete coupling including taper bush with maximum bore diameter

\*F series couplings are also available with pilot bored and finished bored with keyway. As dimensions will vary from taper bush configuration, ask for data sheet if required.

# UNE'S PRODUCT RANGE / UNEFLEX

## 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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