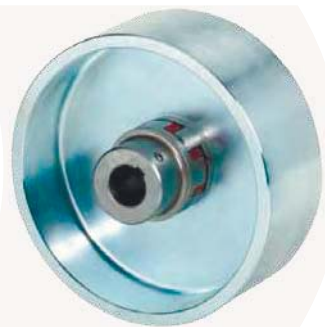


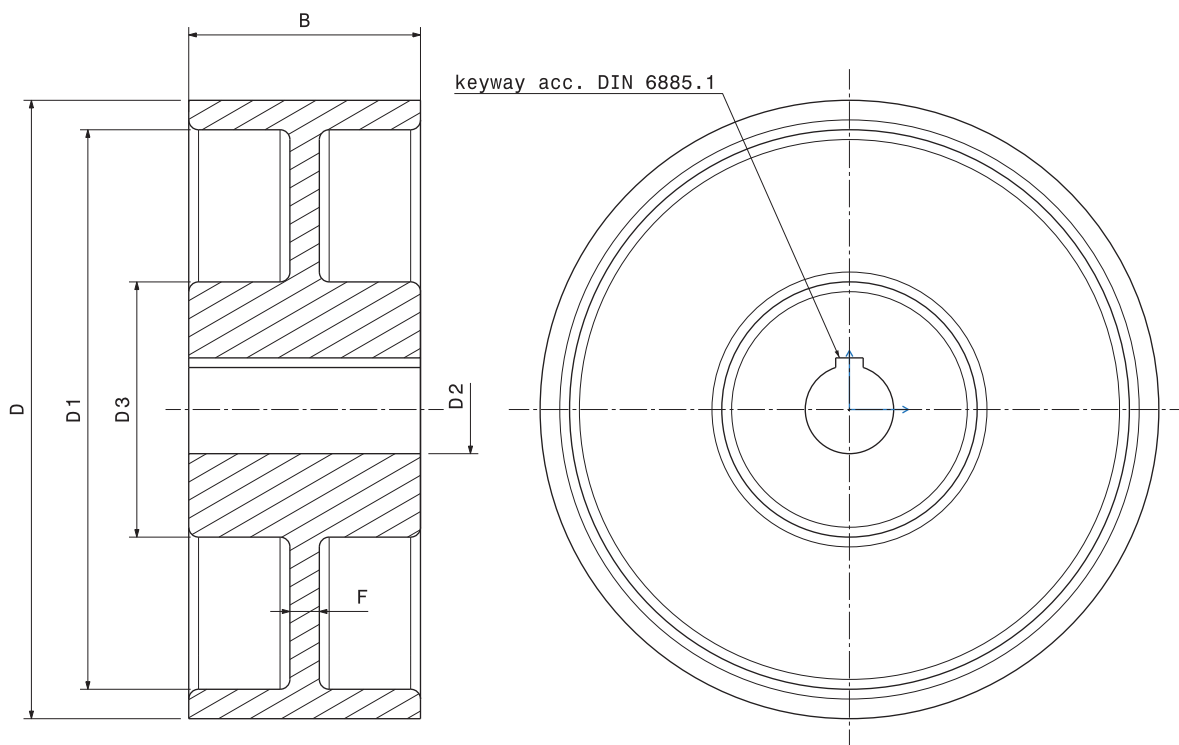


Sure to be safe

Brake Drums
& Couplings





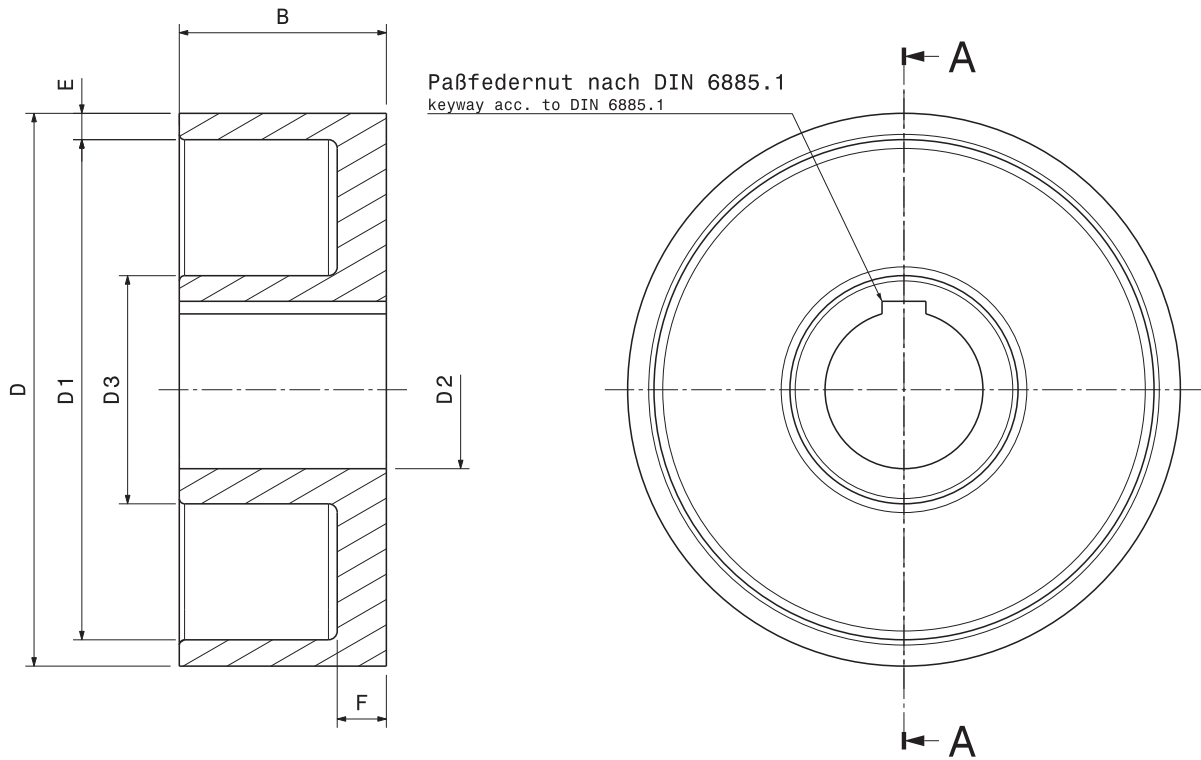


When ordering incl. final bore, the drums can be dynamically balanced upon request

When ordering advise: diameter $\varnothing d_1$
material
boring $\varnothing d_2$

D x B mm	dyn. balancing req. from r.p.m.	$\varnothing d_2$ trial bore mm	max. final bore $\varnothing d_2$			$\varnothing d_3$	$\varnothing d_1$	e	f	weight at trial bore kg		inertia kg m ²	
			GG mm	GGG GS mm	St 52-3 mm					GG	St	GG	St
$\varnothing 200 \times 75$	2500	20	50	55	55	80	176	12	12	8,1	8,7	0,04357	0,04792
$\varnothing 250 \times 95$	2000	25	62	68	68	100	220	15	15	16,0	17,3	0,13183	0,15213
$\varnothing 315 \times 118$	1570	30	80	90	90	130	285	15	15	28,3	30,7	0,40066	0,44072
$\varnothing 400 \times 150$	1240	35	90	100	100	145	365	17,5	17,5	51,0	55,2	1,1311	1,24421
$\varnothing 500 \times 190$	990	50	100	110	110	160	460	20	20	87,7	95,0	3,2467	3,57137
$\varnothing 630 \times 236$	790	50	110	120	120	180	580	25	25	165,4	179,1	9,288	10,2168
$\varnothing 710 \times 265$	700	70	125	135	135	200	650	30	30	241,4	261,4	16,733	18,4063

other dimensions upon request

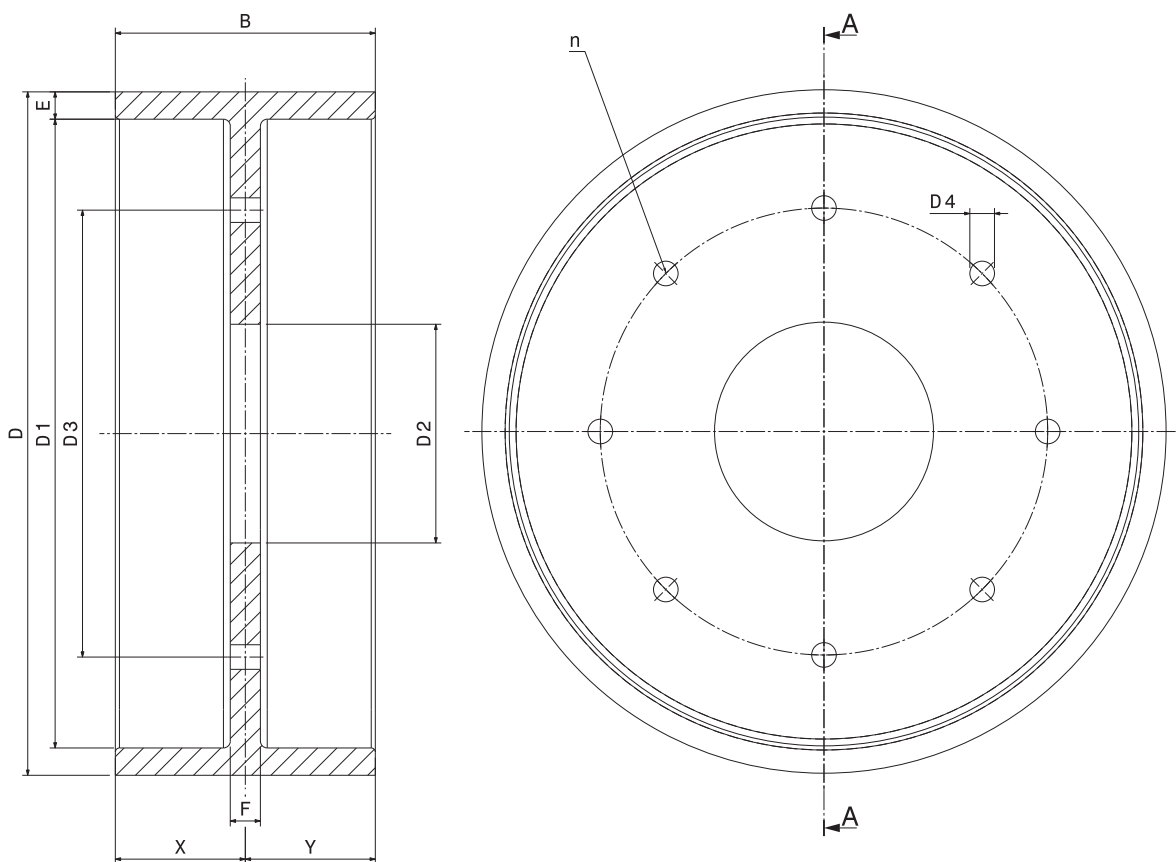


When ordering incl. final bore, the drums can be dynamically balanced upon request

When ordering advise: diameter $\varnothing d_1$
material
boring $\varnothing d_2$

D x B mm	dyn. balancing req. from r.p.m.	$\varnothing d_2$ trial bore mm	max. final bore $\varnothing d_2$			$\varnothing d_3$	$\varnothing d_1$	e	f	weight at trial bore kg		inertia kg m^2	
			GG mm	GGG GS mm	St 52-3 mm					GG	St	GG	St
$\varnothing 200 \times 75$	2500	20	50	55	55	80	176	12	12	8,1	8,7	0,0436	0,0479
$\varnothing 250 \times 95$	2000	25	62	68	68	100	220	15	15	16,0	17,3	0,1318	0,1521
$\varnothing 315 \times 118$	1570	30	80	90	90	130	285	15	28	33,2	35,8	0,4233	0,4574
$\varnothing 400 \times 150$	1240	35	90	100	100	145	365	17,5	60	78,1	84,6	1,6248	1,7564
$\varnothing 500 \times 190$	990	50	100	110	110	160	460	20	20	87,7	95,0	3,2467	3,5714
$\varnothing 630 \times 236$	790	50	110	120	120	180	580	25	25	165,4	179,1	9,2880	10,2168
$\varnothing 710 \times 265$	700	70	125	135	135	200	650	30	30	241,4	261,4	16,7330	18,4063

other dimensions upon request

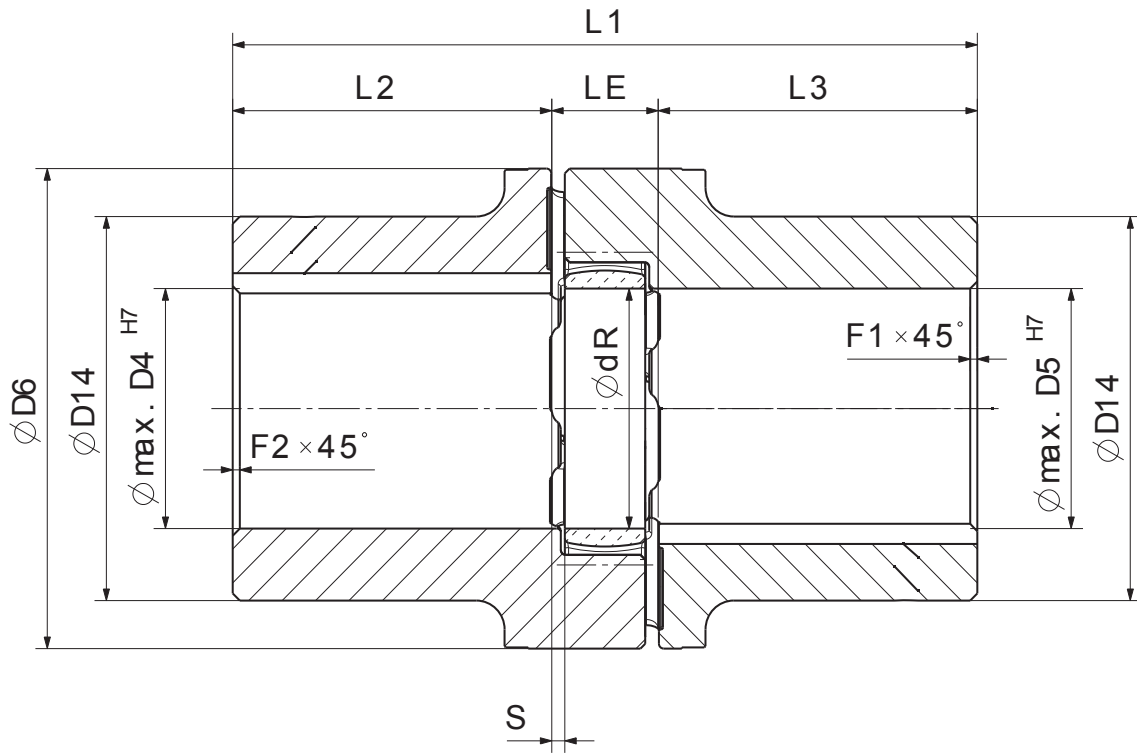


When ordering advise:

boring $\varnothing D_2$
 hole circle $\varnothing D_3$
 boring $\varnothing D_4$
 quantity n
 X; Y

D x B mm	dyn. Balancing req. from rpm	$\varnothing D_1$	$\varnothing D_2$ trial bore mm	$\varnothing D_2$	$\varnothing D_3$	$\varnothing D_4$	n	X	Y	E	F	weight at trial bore kg (steel)	inertia kgm^2 (steel)
$\varnothing 200 \times 75$	2500	176	20							12	12	8,7	0,04792
$\varnothing 250 \times 95$	2000	220	25							15	15	16,8	0,15213
$\varnothing 315 \times 118$	1570	285	30							15	18	28,5	0,44072
$\varnothing 400 \times 150$	1240	365	35							17,5	20	51,8	1,24421
$\varnothing 500 \times 190$	990	460	50							20	22	91,7	3,57137
$\varnothing 630 \times 236$	790	580	50							25	26	173,8	10,2168
$\varnothing 710 \times 265$	700	650	70							30	30	261,4	18,4063

other dimensions upon request



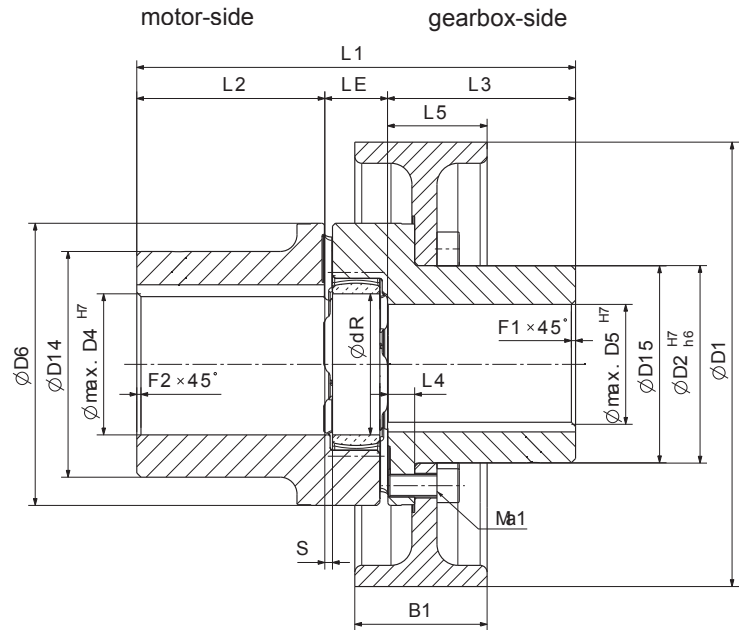
Type	T _{kn}	T _{kmax}	n _{max}	ØD4	ØD4	ØD5	ØD6	ØD14	ØdR	L1	L2	L3	LE	S	F1	F2	I _{ges}	G _{ges}
ALC-AS	Nm	Nm	min ⁻¹	ØD5 pilot bore	max	max									x45°	x45°	kgm ²	kg
38	325	650	8300	-	42	42	80	70	38	144	60	60	24	3	1,5	2	0,002	2,4
42	450	900	7000	-	50	50	95	80	46	166	70	70	26	3	1,5	2	0,004	3,8
48	525	1050	6400	-	55	55	105	90	51	178	75	75	28	3,5	2	2	0,008	5,8
55	685	1370	5600	18	65	65	120	105	60	200	85	85	30	4	2	2	0,014	7,7
65	940	1880	4950	18	70	70	135	115	68	235	100	100	35	4,5	2,5	2,5	0,027	11,5
75	1920	3840	4200	28	80	80	160	135	80	270	115	115	40	5	2,5	2,5	0,059	18,7
90	3600	7200	3350	38	100	100	200	160	100	315	135	135	45	5,5	3	3	0,152	32
100	4950	9900	3000	38	110	110	225	180	113	350	150	150	50	6	3	3	0,270	45
110	7200	14400	2600	48	125	125	255	200	127	375	160	160	55	6,5	3	3	0,471	62
125	10000	20000	2300	48	140	140	290	230	147	430	185	185	60	7	3	3	0,916	93

When selecting the coupling assembly, setting and maintenance instructions have to be observed.

Other dimensions upon request. Individual balancing of coupling components available upon request. Axial fixing of coupling hub possible with set- screw above the key upon request.

Weight and inertia indicated for max. bore ØD4 and Ø D5.

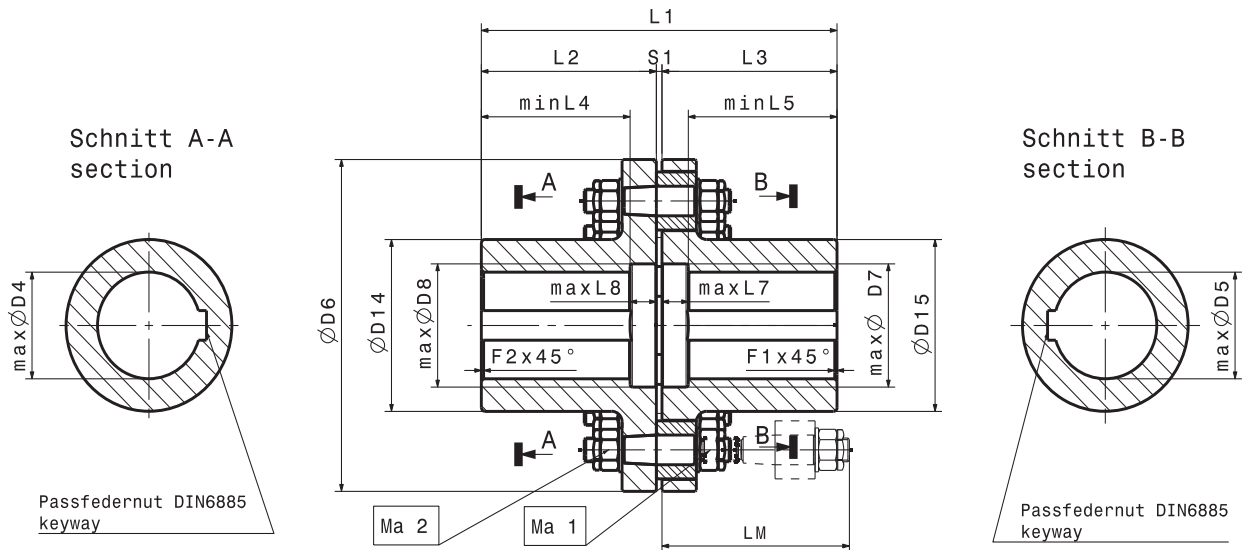
brake drum	absolute dimension L5 in regards to coupling and drum size									
	38	42	48	55	65	75	90	100	110	125
ØD1xB1	L5	L5	L5	L5	L5	L5	L5	L5	L5	L5
Ø 160x60	44,5									
Ø 200x75	52,0	54,0	54,0	58,0						
Ø 250x95	60,5	65,5	65,5	69,5	69,5	72,5				
Ø 315x118		75,5	75,5	81,5	81,5	84,5	85,5			
Ø 400x150				96,5	96,5	99,5	100,5	105,5	106,5	
Ø 500x190						123,5	124,5	129,5	130,5	134,5
Ø 630x236							145,5	150,5	151,5	155,5
Ø710x265									169,0	173,0



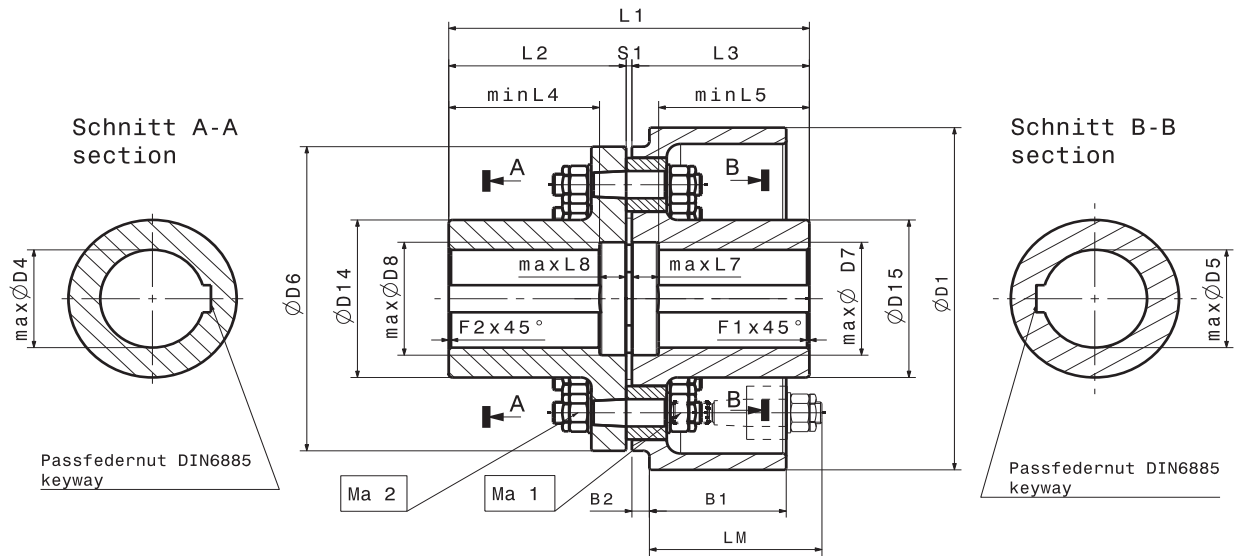
brake drum	weight, moment of inertia and max. allowed torque in regards to coupling- and disc size										max n _{max} in min ⁻¹
	38	42	48	55	65	75	90	100	110	125	
T _{Br max} Nm	430	790	890	1000	1800	3840	7200	9900	14400	20000	
ØD1xB1	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	
	kgm ²	kgm ²	kgm ²	kgm ²	kgm ²	kgm ²	kgm ²	kgm ²	kgm ²	kgm ²	
Ø 160x60	3,4 0,016										4650
Ø 200x75	6,3 0,046	6,2 0,046	6,2 0,046	6,0 0,045							3750
Ø 250x95	12,4 0,141	12,3 0,141	12,2 0,141	12,1 0,140	11,9 0,140	11,6 0,139					3000
Ø 315x118		21,6 0,384	21,5 0,384	21,4 0,385	21,0 0,382	20,8 0,383	19,8 0,375				2350
Ø 400x150				40,5 1,182	40,2 1,182	39,8 1,180	38,8 1,175	38,2 1,173	37,0 1,167		1850
Ø 500x190						72,0 3,349	71,0 3,349	70,4 3,346	69,0 3,335	68,0 3,325	1450
Ø 630x236							139,0 10,336	138,0 10,321	136,0 10,280	135,0 10,280	1150
Ø710x265									206,0 19,550	203,0 19,400	1050

Type ALC-AT	T _{kn} Nm	T _{kmax} Nm	ØD4 pilot bore	ØD4 max	ØD5 max	ØD6	ØD2 H7/h6	ØD14	ØD15	ØdR	L1	L2	L3	L4	LE	S	F1 F2 x45°	DIN 912 -10.9	Z	Ma1	Iges kgm ²		Gges kg	
																					w/o brake drum			
38	325	650	-	42	30	80	50	70	49,5	38	144	60	60	9,5	24	3	1,5	M8	8	35	0,002	2,3		
42	450	900	-	50	38	95	60	80	59,5	46	166	70	70	11,5	26	3	1,5	M8	12	35	0,004	3,5		
48	525	1050	-	55	42	105	68	90	67,5	51	178	75	75	11,5	28	3,5	2	M8	12	35	0,007	5		
55	685	1370	18	65	48	120	78	105	77,5	60	200	85	85	15,5	30	4	2	M10	8	69	0,012	7,5		
65	940	1880	18	70	55	135	92	115	91,5	68	235	100	100	15,5	35	4,5	2,5	M10	12	69	0,025	11		
75	1920	3840	28	80	65	160	106	135	105,5	80	270	115	115	18,5	40	5	2,5	M12	15	120	0,055	18		
90	3600	7200	38	100	85	200	140	160	139,5	100	315	135	135	19,5	45	5,5	3	M16	15	295	0,146	32		
100	4950	9900	38	110	95	225	156	180	155	113	350	150	150	24,5	50	6	3	M16	15	295	0,256	44		
110	7200	14400	48	125	110	255	176	200	175	127	375	160	160	25,5	55	6,5	3	M20	15	580	0,454	61		
125	10000	20000	48	140	125	290	204	230	203	147	430	185	185	29,5	60	7	3	M20	15	580	0,885	91		

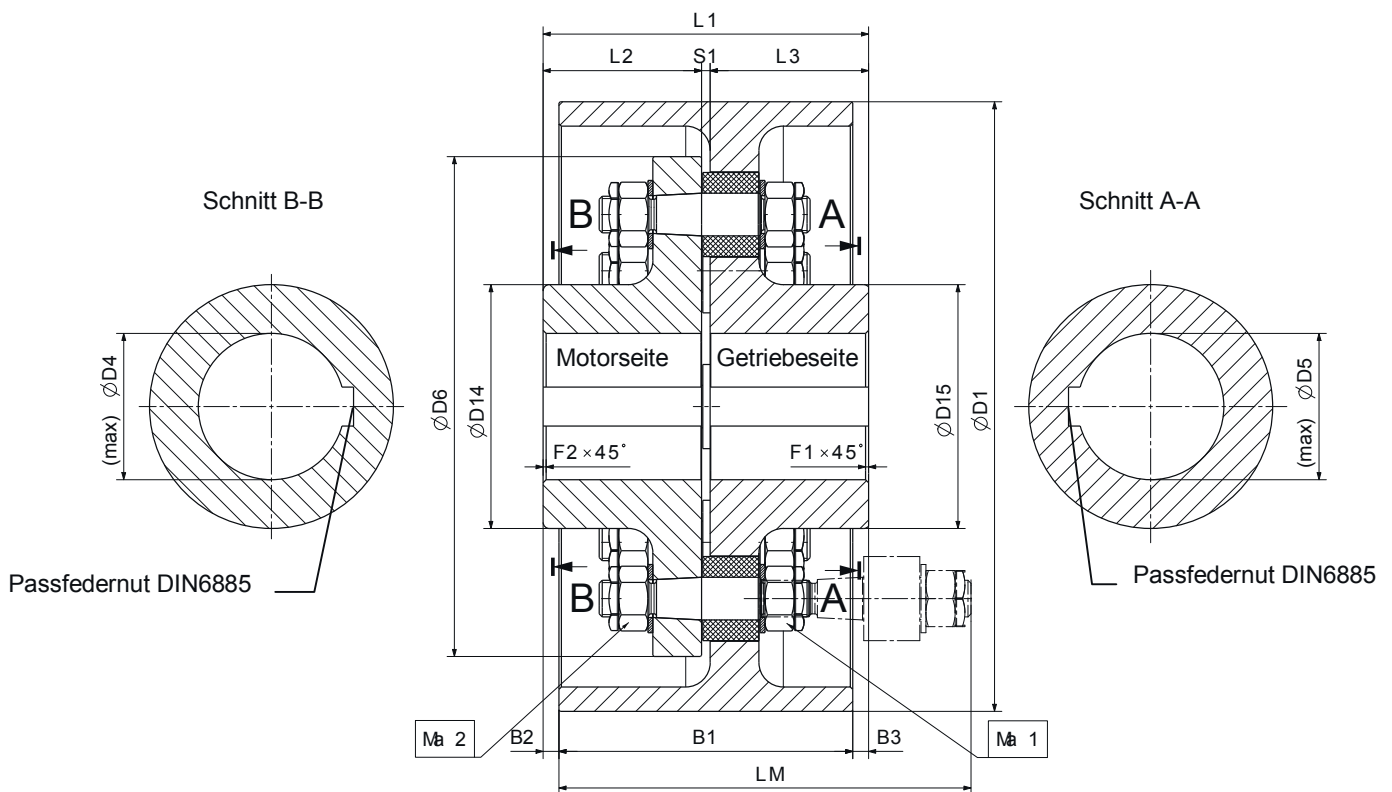
When selecting the coupling assembly, setting and maintenance instructions have to be observed. Other drum diameters upon request. Other dimensions upon request. Individual balancing of coupling components available upon request. Axial fixing of coupling hub possible with set-screw above the key upon request. Weight and inertia indicated for max. bore ØD4 and ØD5.



coupling type		APC160A	APC200A	APC250A	APC315A	APC400A	APC500A
T_{KN}	Nm	270	550	1000	2000	3500	6500
T_{Kmax}	Nm	540	1100	2000	4000	7000	13000
n_{max}	min ⁻¹	4800	3900	3200	2500	2000	1600
pilot bore ØD4+D5	mm	20	23	23	35	45	55
Max ØD4	mm	48	55	65	90	100	120
Max ØD5	mm	48	55	65	90	100	120
ØD6	mm	150	185	225	280	335	410
Max ØD7	mm	58	66	83	104	120	140
Max ØD8	mm	58	66	83	104	120	140
ØD14	mm	75	90	110	145	170	200
ØD15	mm	75	90	110	145	170	200
L1	mm	170	224	294	311	355	386
L2	mm	83	110	145	153	175	190
L3	mm	83	110	145	153	175	190
Min L4	mm	73	95	128	130	145	160
Min L5	mm	73	95	128	130	145	160
Max L7	mm	10	15	17	23	30	30
Max L8	mm	10	15	17	23	30	30
LM	mm	85	110	130	155	175	190
S1	mm	4	4	4	5	5	6
F1 / F2x45°		2	2	2	2	2,5	2,5
Ma 1	Nm	20	30	40	80	120	160
Ma 2	Nm	25	45	80	160	240	320
I_{ges}	kgm ²	0,016	0,047	0,113	0,328	0,778	1,965
G_{ges}	kg	7	14	24	42	70	115



coupling type		APC160AT	APC200AT	APC250AT	APC315AT	APC400AT	APC500AT
T_{KN}	Nm	270	550	1000	2000	3500	6500
T_{Kmax}	Nm	540	1100	2000	4000	7000	13000
n_{max}	min ⁻¹	4800	3900	3200	2500	2000	1600
pilot bore ØD4+D5	mm	20	23	23	35	45	55
Max ØD4	mm	48	55	65	90	100	120
Max ØD5	mm	48	55	65	90	100	120
ØD1	mm	160	200	250	315	400	500
ØD6	mm	150	185	225	280	335	410
Max ØD7	mm	58	66	83	104	120	140
Max ØD8	mm	58	66	83	104	120	140
ØD14	mm	75	90	110	145	170	200
ØD15	mm	75	90	110	145	170	200
B1	mm	60	75	95	118	150	190
B2	mm	8	10	10	15	0	0
L1	mm	170	224	294	311	355	386
L2	mm	83	110	145	153	175	190
L3	mm	83	110	145	153	175	190
Min L4	mm	73	95	128	130	145	160
Min L5	mm	73	95	128	130	145	160
Max L7	mm	10	15	17	23	30	30
Max L8	mm	10	15	17	23	30	30
LM	mm	160	175	195	220	250	290
S1	mm	4	4	4	5	5	6
F1 / F2x45°		2	2	2	2	2,5	2,5
Ma 1	Nm	20	30	40	80	120	160
Ma 2	Nm	25	45	80	160	240	320
I_{ges}	kgm ²	0,025	0,075	0,202	0,608	1,755	4,884
G_{ges}	kg	9	17	30	54	97	167



Kupplungstyp		APC160BT	APC200BT	APC250BT	APC315BT	APC400BT	APC500BT
T_{KN}	Nm	270	500	850	1850	2950	6000
T_{Kmax}	Nm	540	1000	1700	3700	5900	12000
n_{max}	min ⁻¹	4800	3900	3200	2500	2000	1600
Vorbohrung ØD4+D5	mm	20	23	23	35	45	55
Max ØD4	mm	48	55	65	90	100	120
Max ØD5	mm	48	55	65	90	100	120
ØD1	mm	160	200	250	315	400	500
ØD6	mm	135	170	205	265	325	410
ØD14	mm	75	90	110	145	170	200
ØD15	mm	75	90	110	145	170	200
B1	mm	92	105	124	140	184	241
B2	mm	0	0	1	16	2	13
B3	mm	0	0	0	0	0	13
L1	mm	92	105	125	156	186	267
L2	mm	44	50	60	75	90	130
L3	mm	44	50	60	75	90	130
LM	mm	150	180	200	230	290	340
S1	mm	4	5	5	6	6	7
F1 / F2x45°	mm	1,5	2	2	2	2,5	2,5
Ma 1	Nm	20	30	40	80	120	160
Ma 2	Nm	25	45	80	160	240	320
I_{ges}	kgm ²	0,032	0,086	0,168	0,657	1,962	5,703
G_{ges}	kg	7,8	14,5	25	47,5	85,5	167

Änderungen vorbehalten

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