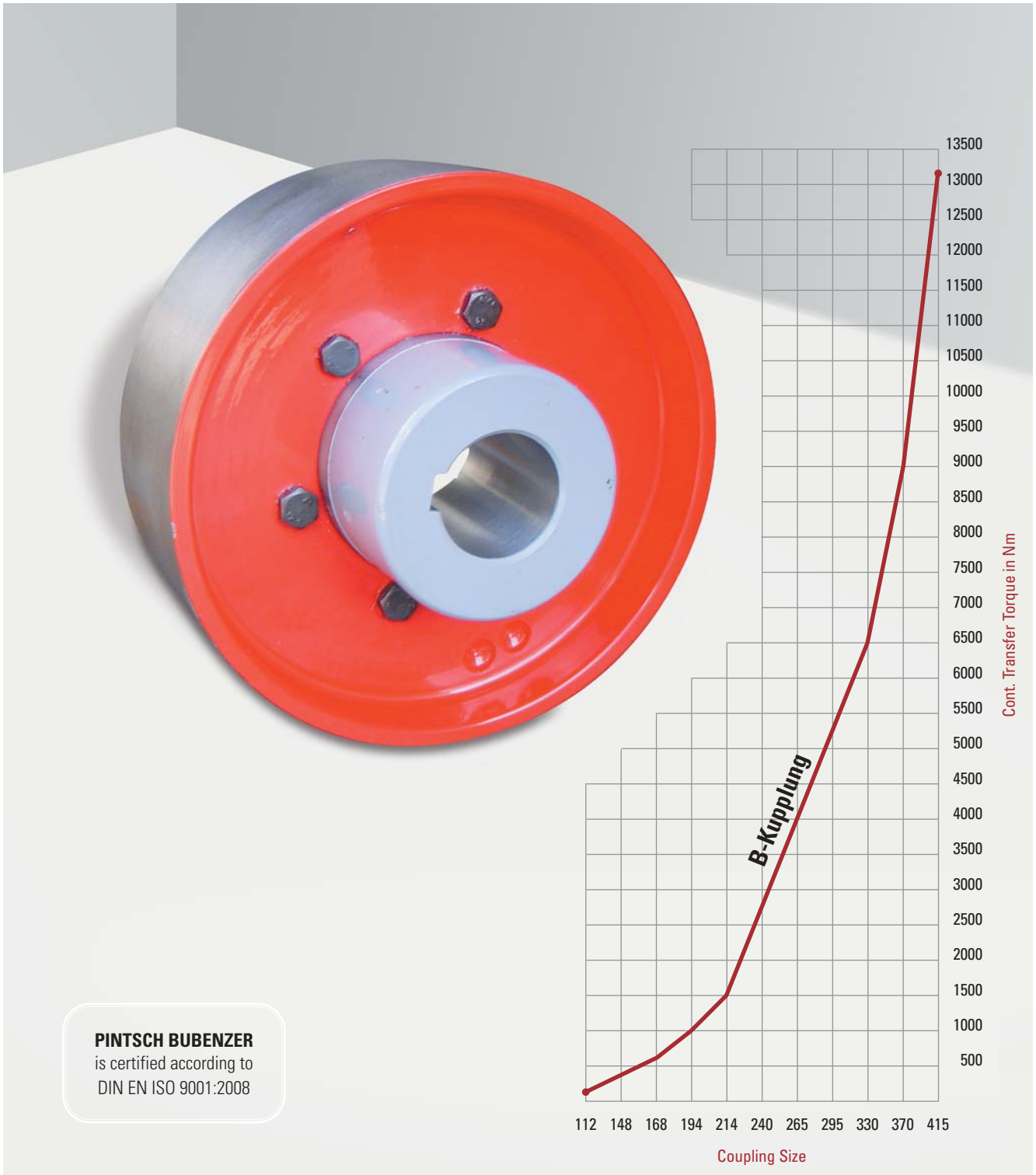





Flexible Coupling Type B-EBT + B-GBT




PINTSCH BUBENZER
is certified according to
DIN EN ISO 9001:2008

- 

Torsionally Elastic
- 

Tried and Trusted
- 

High Performance
- 

Robust
- 

Easy Maintenance

Description Coupling Type B-EBT, B-GBT



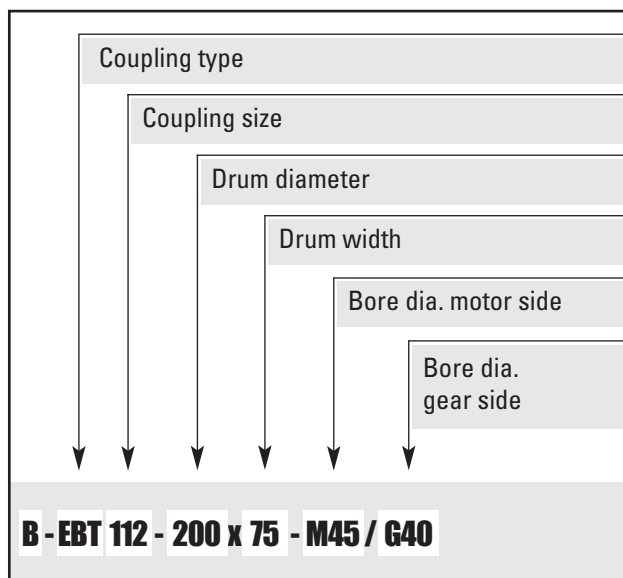
Main Features

- Multi component GG / GGG flexible coupling
- Transmission of torque via elastic intermediate ring
- Replacement of the elastic intermediate ring without moving any equipment (B-GBT only)
- Installation of the brake drum on the load side to allow the brake torque to be maintained when the motor is disengaged
- Vast selection of coupling sizes and brake drum diameters to satisfy most braking and drive requirements

Options

- Coupling hubs ready bored and keywayed (acc. to DIN 6885)
- Coupling hubs with taper bore
- Coupling hubs with two keyway
- Coupling hubs with pilot bore
- Coupling balanced according to ISO 1940-Grade: G 6.3
- Special material for elastic intermediate ring depending on application
- Coupling without brake drum

Ordering Example



Applications

- These couplings are for use in machinery subjected to high dynamic load
- Damping of peak torques and vibrations are further reasons for the use of this coupling type
- The standard material of the elastic intermediate ring is suitable for a temperature range of -20°C...+80°C



Please Note

We supply a detailed operating manual with every order. Couplings are rotating parts and as such a cover must be fitted for the prevention of accidents.



PINTSCH BUBENZER Service

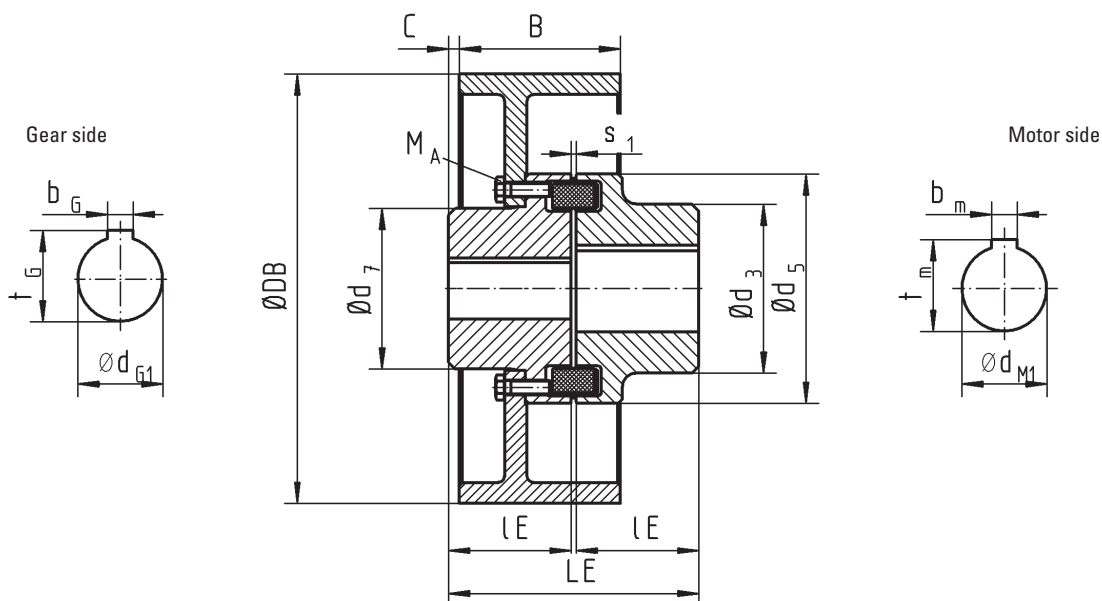
This includes the verification of the brake selection, if required. A detailed questionnaire is provided for this purpose. Installation and commissioning on-site by PINTSCH BUBENZER service engineers is possible. Drawings as DWG/DXF files for your engineering department are available upon request.

Flexible Coupling Type B-EBT

Dimensions and technical data



Rev. 12-06



All dimensions in mm
Alterations reserved without notice

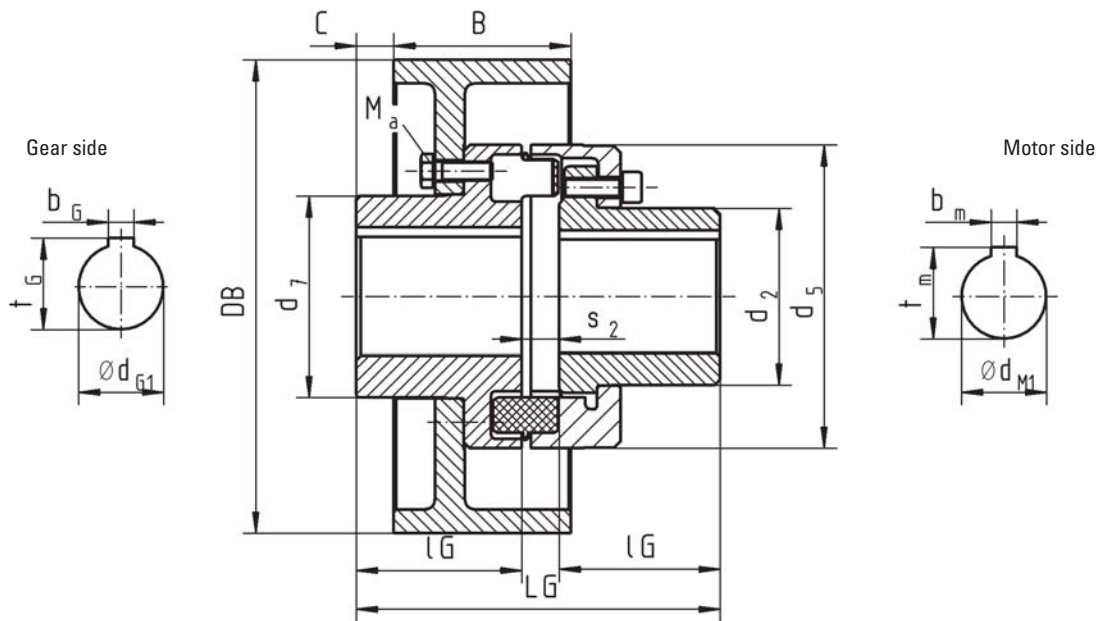
B-EBT (= d ₅)		112	128	148	168	194	214	240	265	295	330	370	415	
M _{Br} max.	Nm	450	550	1000	1600	2750	3350	4200	8700	9800	10600	13500	16000	
T _{KN}	Nm	150	250	390	630	1050	1500	2400	3700	4900	6400	8900	13200	
n _{max}	min ⁻¹	6000	5000	4500	4000	3500	3000	2750	2500	2250	2000	1750	1500	
d _{M1} max.	mm	48	55	65	75	85	95	110	120	130	150	170	190	
d _{G1} max.	mm	42	52	58	72	85	92	102	120	130	150	170	185	
d ₃	mm	79	90	107	124	140	157	179	198	214	248	278	315	
d ₇	mm	68	85	94	118	138	153	168	198	214	248	278	308	
C	mm	11	16	16	*A	16,5	*B	*C	22	*D	*E	15	25	
IE	mm	60	70	80	90	100	110	120	140	150	160	180	200	
LE	mm	123,5	143,5	163,5	183,5	203,5	224	244	285,5	308	328	368	408	
S ₂	mm	3,5±1	3,5±1	3,5±1	3,5±1,5	3,5±1,5	4±2	4±2	5,5±2,5	8±2,5	8±2,5	8±2,5	8±2,5	
M _A	Nm	25	25	49	49	85	85	85	210	210	210	210	210	
Brake drum diameter DB x B (mm)	200 x 75	9,1	12,3					Weight		of the coupling		kg		
		0,038	0,044					Moment of inertia		with brake drum		kgm ²		
	250 x 95			20,2	26,4									
				0,116	0,14									
	315 x 118				32,9	40,4	49,2							
					0,3511	0,39	0,45							
	400 x 150						63,4	72,6						
							1,056	1,145						
500 x 190							96,6	116,8	133,9					
							2,795	2,99	3,3					
630 x 236									192,9	236,5				
									8,67	9,15				
710 x 265											264,5	313,8	381,1	
											15,26	16,22	17,77	

Flexible Coupling Type B-GBT

Dimensions and technical data



Rev. 12-09



All dimensions in mm
Alterations reserved without notice

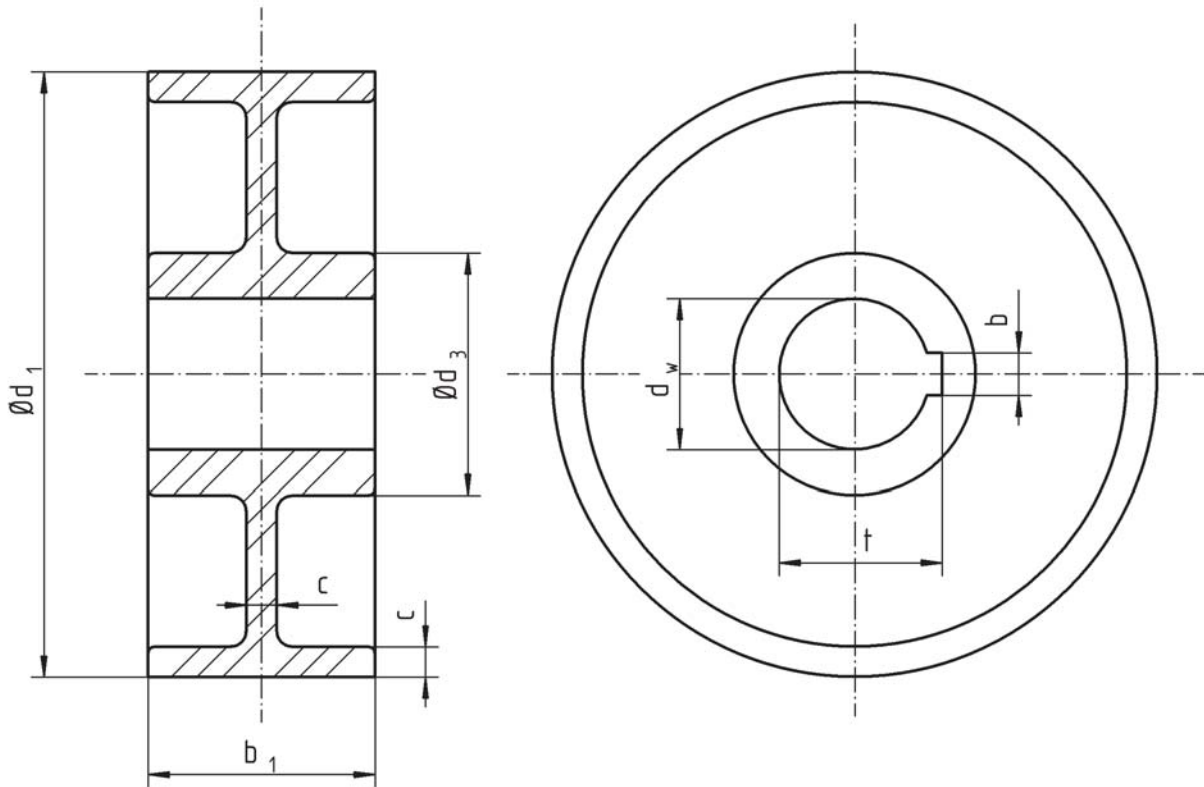
B-GBT (= d ₅)	112	128	148	168	194	214	240	265	295	330	370	415	
M _{Br} max.	Nm	450	550	1000	1600	2750	3350	4200	8700	9800	10600	13500	16000
T _{KN}	Nm	150	250	390	630	1050	1500	2400	3700	4900	6400	8900	13200
n _{max}	min ⁻¹	6000	5000	4500	4000	3500	3000	2750	2500	2250	2000	1750	1500
d _{M1} max.	mm	46	53	65	75	85	95	100	115	130	135	160	180
d _{G1} max.	mm	42	52	58	72	85	92	102	120	130	150	170	185
d ₂	mm	64,5	74,5	92,5	104,5	121,5	135,5	146	164	181	208	241	275
d ₇	mm	68	85	94	118	138	153	168	198	214	248	278	308
C	mm	11	16	16	*A	16,5	*B	*C	22	*D	*E	15	25
IG	mm	58	68	78	87	97	107	117	137	147	156	176	296
LG	mm	133	154	176	198	221	243	267	310	334	356	399	441
S ₂	mm	15±1	16±1	18±1	21±1,5	24±1,5	26±2	30±2	33±2	37±2,5	40±2,5	43±2,5	45±2,5
M _A	Nm	25	25	49	49	85	85	85	210	210	210	210	210
Brake drum diameter DB x B (mm)	200 x 75	9,1	12,4						Weight		of the coupling		kg
		0,038	0,045						Moment of inertia		with brake drum		kgm ²
	250 x 95			20,2	26,4								
				0,12	0,15								
	315 x 118				32,9	40,9	49,2						
					0,353	0,396	0,46						
	400 x 150						63,4	71,7					
							1,065	1,157					
500 x 190							95,7	115,9	133,7				
							2,807	3,014	3,26				
630 x 236	*A Dimension C = 19 mm at Ø 250 mm, 8 mm at Ø 315 mm *B Dimension C = 19 mm at Ø 315 mm, 12,5 mm at Ø 400 mm *C Dimension C = 18 mm at Ø 400 mm, 9 mm at Ø 500 mm *D Dimension C = 30 mm at Ø 500 mm, 5 mm at Ø 630 mm *E Dimension C = 11 mm at Ø 630 mm, 0 mm at Ø 710 mm									192,7	233,1		
										8,63	9,183		
710 x 265										261,1	310,8	379,5	
										15,29	16,28	17,9	

Brake Drums acc. to DIN 15431

Dimensions and technical data



Rev. 05-08



Material options:	GG25
	GGG40
	St 52 welded
	C45
When ordering please indicate:	Brake drum Ø d ₁
	Material
	Bore Ø d ₂

All dimensions in mm
Alterations reserved without notice

d ₁	b ₁	c	d ₂		d ₃	Moment of inertia J kgm ²	Weight kg (GGG)	Nominal heat capacity W _{n150} (kJ)		
			pilot bored	max. ready bored				St/GS	GG	GGG
200	75	10	20	50	80	0,039	7,4	264	273	371
250	95	12	25	60	95	0,1156	13,7	502	519	707
315	118	15	30	80	115	0,3585	26,4	982	1016	1383
400	150	17	35	90	130	1,0687	47,3	1806	1869	2544
500	190	20	50	100	150	3,1162	85,3	3374	3490	4751
630	236	25	50	110	170	9,6564	161,7	6602	6831	9217
710	265	30	70	120	200	18,4627	243,1	9999	10345	14080



The brake drums can be balanced on request if ordered ready bored and keywayed. If requested, brake drums can be made according to customer specifications.