

nominal size	D2	torque <sup>1)</sup> [Nm]		B1	D1 <sup>2)</sup>		D4 <sup>3)</sup>	D5	L1	L2	L3	L4	B2	B3 (±20%)	moment of inertia <sup>4)</sup> J [kgm <sup>2</sup> ]	weight <sup>4)</sup> m [kg]	permissible speed <sup>5)</sup> n <sub>max</sub> [rpm]	tightening torque M <sub>A</sub> [Nm]	cushions and pins	
		T <sub>KN</sub>	T <sub>Kmax</sub>		min	max													nominal size	number
40	355	400	800	30	20	55	77	134	161,5	80	279	166,5	113	7	0,37 0,60	29 35	3600 3400	45	10	10
	400																			
63	355	630	1260	30	25	65	91	150	161,5	110	309	166,5	113	7	0,38 0,61	31 37	3600 3400	45	10	12
	400																			
100	400	1000	2000	30	30	75	105	186	156,5	140	339	166,5	142	12,5	0,64 1,00	42 57	3350 3000	85	14	9
	450																			
160	400	1600	3200	30	30	85	119	212	156,5	170	371	166,5	157	14	0,68 1,03 1,53	47 54 63	3200 3000 2800	175	16	10
	450																			
	500																			
250	450	2500	5000	30	40	95	133	240	197,5	170	412	207,5	157	14	1,10 1,60 2,43 3,85	63 72 84 100	3000 2700 2400 2200	190	16	12
	500																			
	560																			
	630																			
400	560	4000	8000	30	50	105	145	275	197,5	210	458	207,5	213	20	2,55 3,94 6,18	91 106 127	2400 2200 1900	340	22	10
	630																			
	710																			
630	630	6300	12650	30	60	120	165	320	202,5	210	463	212,5	200	20	4,18 6,43 10,01	122 143 161	2200 1900 1650	370	22	12
	710																			
	800																			
1000	710	10000	20000	30	80	125	175	380	197,5	210	238	212,5	216	22	7,08 10,77 16,41	171 195 228	1900 1650 1500	1050	30	10
	800																			
	900																			
1600	800	16000	32000	30	100	150	215	440	237,5	220	510 522 522	252,5	254	22	11,63 17,13 35,53	238 269 379	1600 1500 1350	1145	30	12
	900																			
	1000																			
2500	1000	25000	50000	42	100	170	240	510	237,5	240	546	252,5	323	26	38,00 117,19	418 562	1350 1100	2150	42	10
	1250																			

1) torsion angle at T<sub>KN</sub> φ=3°±1°

2) finished boring to ISO-fit H7, keyway to DIN 6885 P1 fit JS9, other diameter on request

3) true for D1 max, in case of smaller boring a reduction is possible

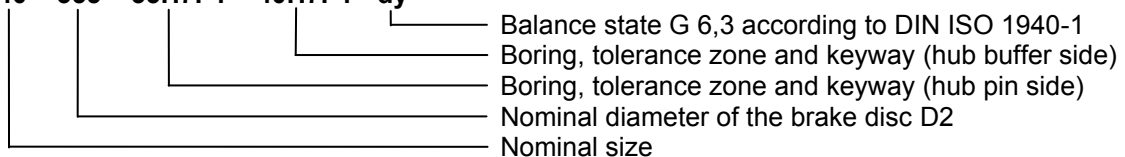
4) true for D1 max, in consideration of buffers and pins

5) higher speed on request

dimensions in mm

Order example:

**EBK 40 – 355 – 35H7P1 – 40H7P1 - dy**



### Material of standard type

Hub buffer side, hub pin side: C45  
Brake disc: S355J2+N  
Pin: 42CrMo4  
Buffer: PUR 85 Shore A, natur

In special case of operation or by customer request it is possible to apply other material.

All data subject to change without notice