



nominal size	D2	torque T_{Bmax} [Nm]	B1	D1 ¹⁾ pilot bored	D1 ²⁾		D3 ³⁾	D4	L1	L4	L5	moment of inertia ³⁾ J [kgm ²]	weight ⁴⁾ m [kg]	permissible speed ⁵⁾ n_{max} [rpm]	tightening torque Ma [Nm]
					min	max									
40	355 400	1250	30	16	20	55	77	134	161,5	166,5	191,5	0,37 0,60	27 33	3600 3400	65
63	355 400	2000	30	20	25	65	91	150	161,5	166,5	191,5	0,38 0,60	28 35	3600 3400	65
100	400 450	3200	30	25	30	75	105	186	156,5	166,5	186,5	0,62 0,98	37 52	3350 3000	120
160	400 450 500	7000	30	25	30	85	119	212	156,5	166,5	186,5	0,65 1,00 1,50	40 48 57	3200 3000 2800	285
250	450 500 560 630	10000	30	35	40	95	133	240	197,5	207,5	227,5	1,04 1,54 2,37 3,79	52 61 73 89	3000 2700 2400 2200	285
400	560 630 710	14000	30	40	50	105	145	275	197,5	207,5	227,5	2,44 3,83 6,07	78 94 115	2400 2200 1900	558
630	630 710 800	20000	30	45	60	120	165	320	202,5	212,5	232,5	3,96 6,21 9,79	102 122 146	2200 1900 1650	558
1000	710 800 900	40000	30	55	80	125	175	380	197,5	212,5	227,5	6,55 10,24 15,88	135 159 181	1900 1650 1500	1410
1600	800 900 1000	56000	30 30 42	65	100	150	215	440	237,5	252,5	267,5	10,60 16,10 34,50	181 213 323	1600 1500 1350	1410
2500	1000 1250	90000	42	80	100	170	240	510	237,5	252,5	279,5	35,80 115,00	355 499	1350 1100	2705

- 1) without keyway, pilot hole – free size according to DIN ISO 2768 medium
 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
 5) higher speed on request

dimensions in mm

Material of standard type

Hub: C45
 Brake disc: S355J2+N
 In special case of operation or by customer request it is possible to apply other material.

Order example:

BS 40 - 355 - 35H7P1 - dy

Balance state G 6,3 according to DIN ISO 1940-1
 Boring, tolerance zone and keyway
 Nominal diameter of the brake disc D2
 Nominal size

All data subject to change without notice