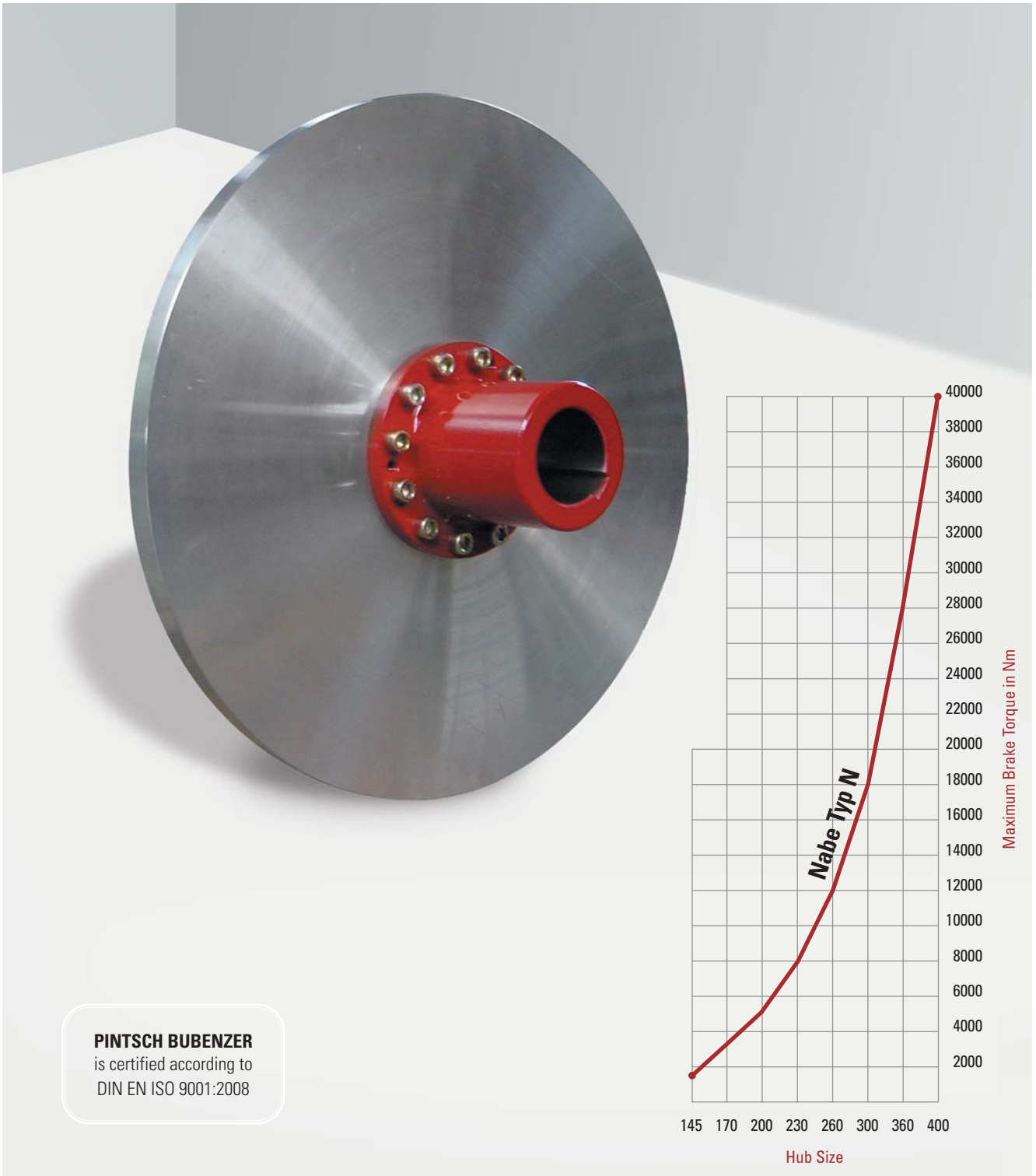


# Hub with Brake Disc Type N + NX



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



Safe



Tried and Trusted



Robust



Easy Maintenance

# Description Hub Type N + NX



## Main Features

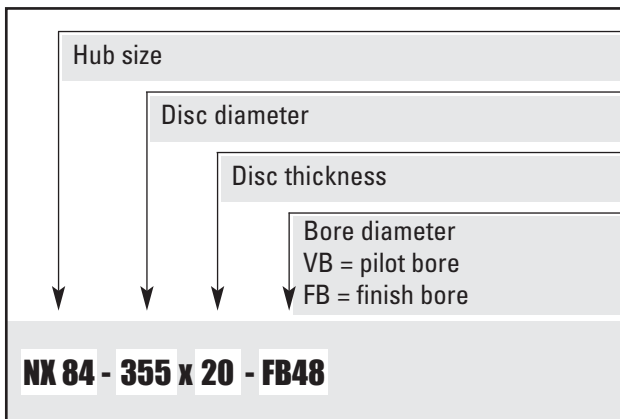
- Hub/disc combination for easy exchange of brake disc (type N)
- High accident prevention by fastening ring, no rotating nuts (type N)
- Exchange of brake disc without removing the hub (type N)
- Simple, one-piece design with 20 mm brake disc thickness for SB8.11 + SB17 series brakes (type NX)

## Options

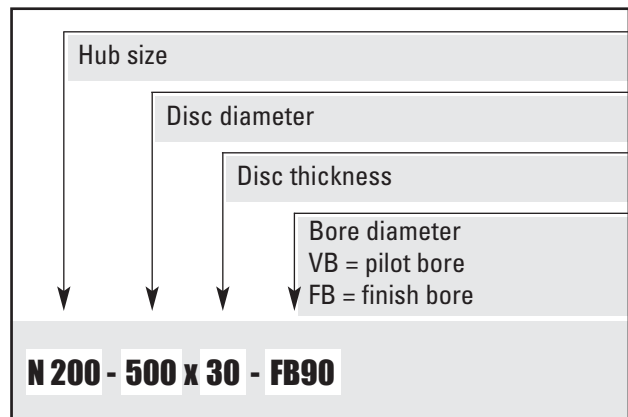
- Hubs ready bored and keywayed (preferably acc. to DIN 6885)
- Hubs with taper bore
- Hubs with double keyway
- Hubs with pilot bore
- Hubs in special dimensions
- Hubs with extension shafts (Ns)
- Highly corrosion resistant *LiTec*<sup>®</sup> brake disc for low moment of inertia (see F17)

Balancing grade ISO 1940 - G 6.3 is guaranteed for all coupling parts

## Ordering Example



## Ordering Example



## Applications

All drives, where the brake is not located between motor and gearbox, like brake installation on the second gear box shaft or at the motor end shaft



### Please Note

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



### PINTSCH BUBENZER Service

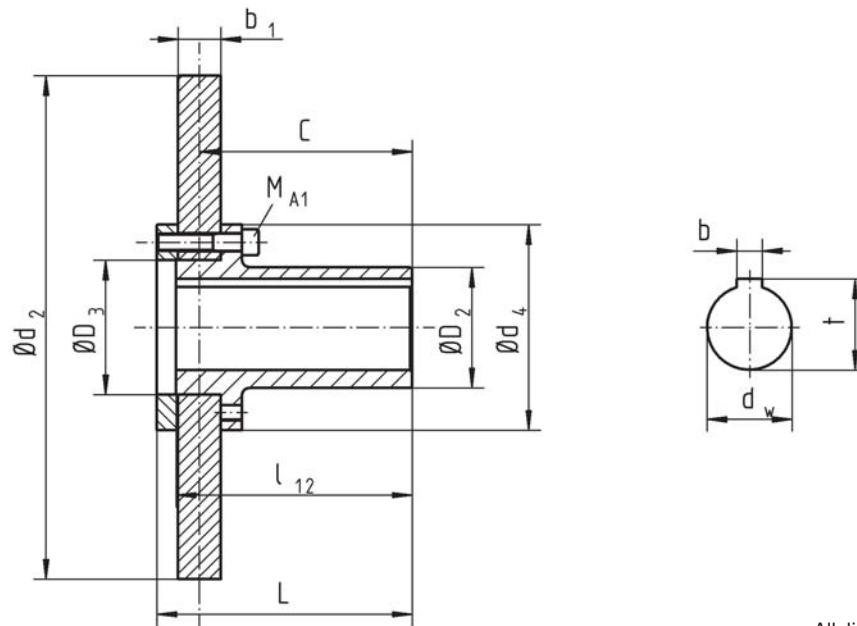
This includes the verification of the brake selection, if required. A detailed questionnaire is provided for this purpose. Installation and commissioning on-site by PINTSCH BUBENZER service engineers is possible. Drawings as DWG/DXF files for your engineering department are available upon request.

# Hub with Brake Disc Type N

Dimensions and technical data



Rev. 12-06



All dimensions in mm  
Alterations reserved without notice

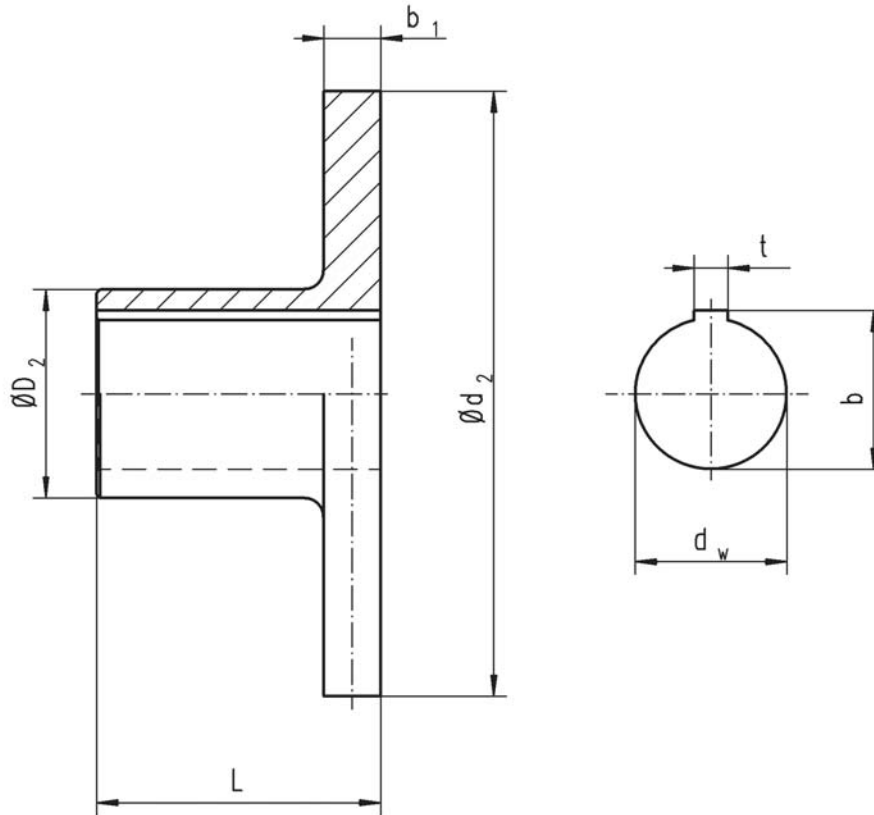
Hub N (size = d <sub>4</sub> )		145	170	200	230	260	300	360	400
M <sub>Br</sub> max.	Nm	1800	2850	4950	7740	11940	17550	29100	40050
n <sub>max</sub> at max. disc Ø	min <sup>-1</sup>	3800	3400	3000	2700	2400	2200	1750	1750
d <sub>w</sub> max.	mm	60	75	95	110	125	140	160	160
D <sub>2</sub>	mm	85	110	135	160	180	200	225	225
D <sub>3</sub>	mm	95	120	140	170	200	220	260	300
L	mm	180	180	220	220	230	230	275	275
l <sub>12</sub>	mm	166,5	166,5	207	207,5	212,5	212,5	252,5	252,5
C	mm	150	150	190	190	195	195	235*	235*
M <sub>A</sub>	Nm	84	84	132	132	206	410	710	710
Brake disc diameter d <sub>2</sub> x b <sub>1</sub> (mm)	355 x 30	28			Weight of the hub with brake disc				kg
		0,378			Moment of inertia				kgm <sup>2</sup>
	400 x 30	35	37	44					
		0,603	0,612	0,653					
	450 x 30	42	45	52					
		0,959	0,973	1,011					
	500 x 30		54	60	67	77			
			1,469	1,506	1,571	1,682			
	560 x 30			72	79	89			
				2,335	2,399	2,51			
	630 x 30				95	105	109		
					3,768	3,879	4,081		
710 x 30					124	128			
					6,112	6,213			
800 x 30	Weights and moments of inertia are not binding, referring to the max. finish bore for the sizes 145 to 300 respectively for a finish bore of 120 mm for the sizes 360 and 400.					153	189		
						9,808	10,456		
900 x 30							221	232	
							16,123	16,473	
1000 x 30	* Dimension C = 230 mm at brake disc thickness 40 mm						257	267	
							24,075	24,424	

# Hub with Brake Disc Type NX

Dimensions and technical data



Rev. 12-06



\* Higher speeds possible by using sintered linings

All dimensions in mm  
Alterations reserved without notice

Hub NX (size = D <sub>2</sub> )			58	64	74	84	92	100	114	
L mm			80	110	110	110	140	140	140	
d <sub>w</sub> max. mm			38	42	48	55	60	65	70	
	η <sub>max.</sub> min <sup>-1</sup> *	Thermal capacity kW/s								
Brake disc diameter d <sub>2</sub> x thickness (mm)	200 x 20	3500	344	5,6	6,2	Weight of the hub with brake disc				kg
				0,025	0,026	Moment of inertia				kgm <sup>2</sup>
	225 x 20	3300	399	7,0	7,5	8,1	8,6	9,3	10,9	
				0,040	0,040	0,041	0,042	0,045	0,047	
	250 x 20	3000	474	8,5	9,0	9,6	10,1	10,8	12,4	14,0
				0,060	0,061	0,062	0,063	0,066	0,067	0,072
	280 x 20	2675	567	10,5	11,0	11,6	12,2	13,0	14,5	16,2
				0,095	0,096	0,096	0,097	0,100	0,102	0,107
	315 x 20	2380	653	13,2	13,7	14,3	14,9	15,5	17,1	18,7
				0,153	0,153	0,153	0,154	0,157	0,159	0,164
	355x 20	2100	752		17,0	17,6	18,2	18,9	20,5	22,2
					0,246	0,246	0,274	0,250	0,252	0,257
	400 x 20	1875	863		21,0	21,6	22,2	22,8	24,4	26,0
					0,396	0,396	0,397	0,400	0,402	0,407
450 x 20	1650	986			27,0	27,7	28,4	30,0	31,7	
					0,634	0,635	0,637	0,639	0,645	
500 x 20	1500	1100			33,0	33,7	34,4	36,0	37,7	
					0,956	0,966	0,969	0,970	0,976	