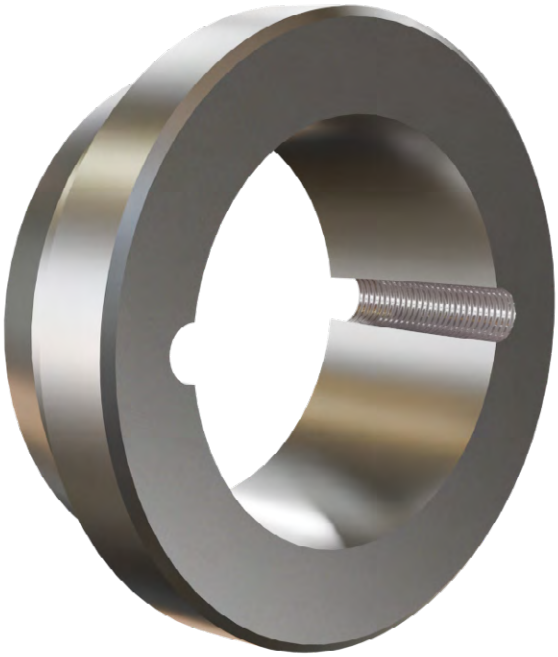
LÜTGERT

ANTRIEBSELEMENTE

TaperLock
Weld-on and bolt-on hubs



If performance is required

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TAPERLOCK WELD-ON HUBS

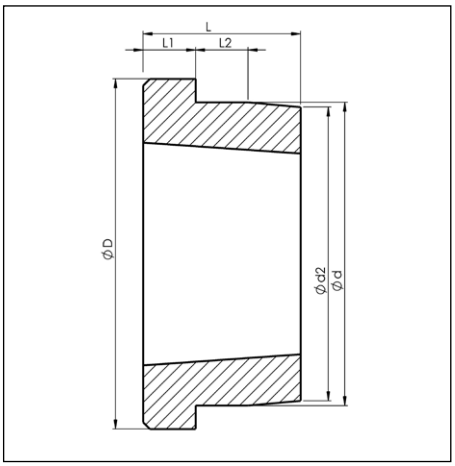
TaperLock steel weld-on hubs are fitted with a TL bore for mounting with standard TL bushings. The protruding flange allows for easy welding into components such as fans, fan wheels, steel pulleys or sprockets, which are permanently connected to a shaft.

They are straightforward and simple to install and are particularly suitable for applications under demanding operating conditions. When the bolts are tightened, the bore is constricted, causing the weld-on hub to lock securely onto the shaft like a press fit.

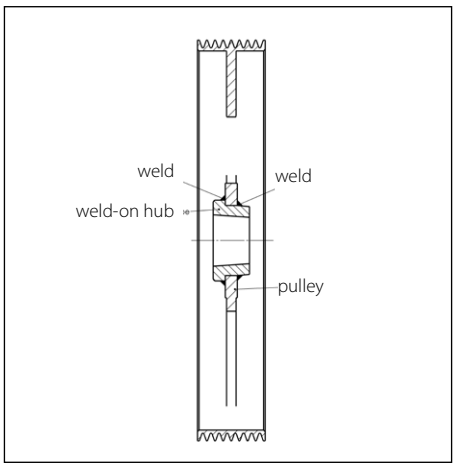
- Material: Steel
- For taperlock bushes size 1210 to 5050
- Centring sleeves from Ø 60 mm to Ø 242 mm
- Custom designs available

Dimensions

Type	Bush	Ø D [mm]	Ø d [mm]	Ø d2 [mm]	L [mm]	L1 [mm]	L2 [mm]
WM 12	1210	70	60	58	25	9	10
WM 16-1	1610	83	70	68	25	9	10
WM 16-2	1615	83	70	68	38	16	11
WM 20	2012	95	90	88	32	12	12
WM 25	2517	127	110	108	44	19	13
WM 30-2	3020	152	130	125	50	20	15
WM 30-3	3030	152	130	125	76	25	19
WM 35	3535	184	155	151	89	32	25
WM 40	4040	225	195	187	102	32	32
WM 45	4545	254	220	213	114	38	38
WM 50	5050	276	242	228	127	38	38
WH 12	1213	70	65	64,5	25	9	10
WH 16	1610	83	75	74,5	25	9	10
WH 20	2012	95	90	89,5	32	12	12
WH 25	2517	115	110	109,5	45	19	15
WH 30	3020	145	140	139,5	51	20	15
WH 35	3525	190	180	179,5	65	25	25
WH 40	4040	200	190	189,5	102	32	30
WH 45	4545	210	200	199,5	114	40	30
WH 50	5050	230	220	219,5	127	40	35



Sketch



Installation example

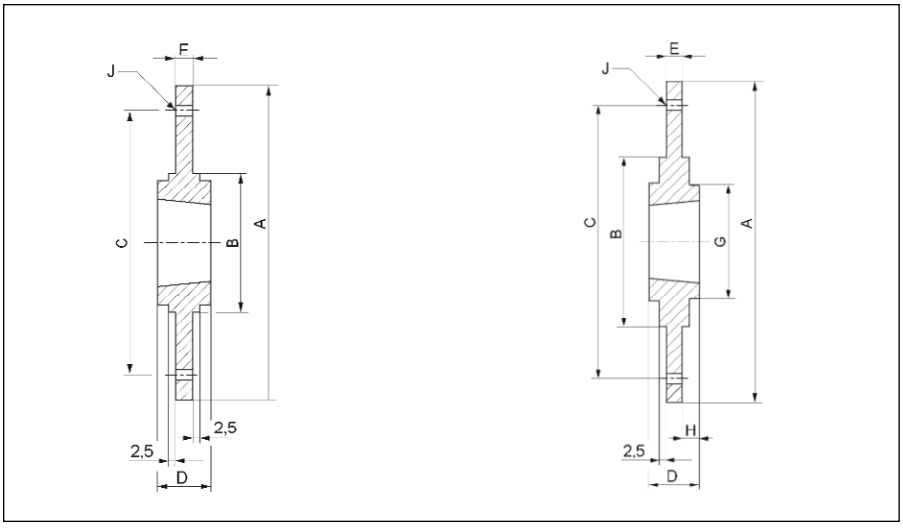
TAPERLOCK BOLD-ON HUBS

Taper bolt-on hubs are specially designed for use with TaperLock clamping sleeves. They are made of grey cast iron and are phosphate-coated to improve corrosion protection. They are used when welding is not possible or not permitted. They represent a cost-effective solution for mounting rotating components such as fans, fan wheels or similar components quickly, easily and reliably onto a shaft. The components can be mounted in both right-hand and left-hand configurations.

- Material: Cast iron EN-GJL-200
- For taper clamping sleeves sizes 1210 to 3020
- Mounting pitch circles from Ø 100 mm to Ø 340 mm
- Special designs available

Dimensions

Type	Bush	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	G [mm]	H [mm]	J [mm]
SM 12	1210	180	90	135	25	6,5			6 x 7,5
SM 16-1	1610	200	110	150	25	7,5			6 x 7,5
SM 16-2	1615	200	110	150	38	7,5			6 x 7,5
SM 20	2012	270	140	190	32	8,5			6 x 9,5
SM 25	2517	340	170	240	45	9,5			8 x 11,5
SM 30-1	3020	430	220	300	51	13,5			8 x 13,5
SM 30-2	3030	485	250	340	51	13,5			8 x 13,5
BF 12	1210	120	80	100	25	5,5	75	10	6 x 7,5
BF 16	1610	130	90	110	25	6,5	85	10	6 x 7,5
BF 20	2012	145	100	125	32	8,5	95	13	6 x 9,5
BF 25	2517	185	130	155	45	11,5	119	20	8 x 11,5
BF 30	3020	220	165	190	51	11,5	147	20	8 x 13,5



Sketches of types SM and BF

PRODUCT OVERVIEW
EXCERPT

Drive pulleys

V-belt pulleys | Flat belt pulleys | Flywheels | Grid pulleys | Timing belt pulleys | Rubberized Pulleys | Split pulleys | Aluminium pulleys

Supplies for drive belts

TaperLock clamping bushes | Motor clamping systems | V-belts / Drive belts | V-belt metrology | Rubber suspension units Oscillating mountings | Tensioner devices | Foundation blocks | Shafts and rolls

More information desired?

www.luetgert-antriebe.de

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