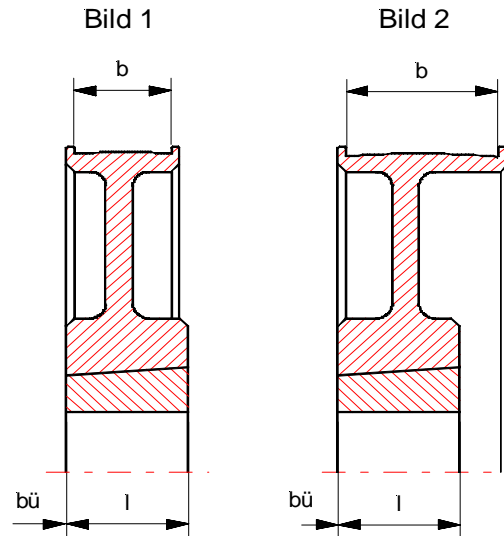
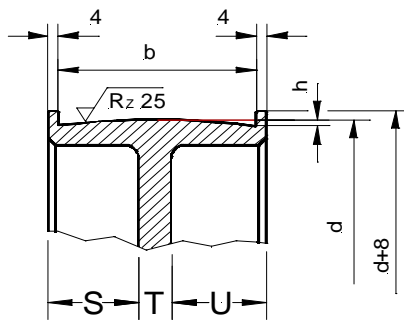


## Flachriemenscheiben mit Bund / Flat belt pulleys with collar

ab Lager lieferbar / ex stock available



**b = 32**

d	Buchse bush	h	Nabe hub		Bild illustr.	Typ type	S	T	U	Gewicht weight
			Länge length	Lage position						
63	1108	0,3	23	bü	2	●	-	-	17	1,0
67	1108	0,3	23	bü	2	●	-	-	17	1,0
71	1210	0,3	26	bü	2	●	-	-	14	1,0
75	1210	0,3	26	bü	2	●	-	-	14	1,0
80	1210	0,3	26	bü	2	●	-	-	14	1,2
85	1210	0,3	26	bü	2	●	-	-	14	1,2
90	1610	0,3	26	bü	2	●	-	-	14	1,3
95	1610	0,3	26	bü	2	●	-	-	14	1,3
100	1610	0,3	26	bü	2	●	-	-	14	1,3
106	1610	0,3	26	bü	2	●	-	-	15	1,5
112	1610	0,3	32	bü	2	●	-	-	14	1,6
118	1610	0,3	26	bü	2	●	-	-	14	2,0
125	1610	0,3	26	bü	2	●	-	-	14	2,1
132	2012	0,3	32	bü	2	●	-	-	8	2,6
140	2012	0,3	32	bü	2	●	-	-	7	2,6
150	2012	0,3	32	bü	2	●	13	13	14	3,8
160	2012	0,3	32	bü	2	●	13	13	14	4,4
180	2012	0,3	32	bü	2	○	14	12	14	4,8
190	2517	0,3	45	bü	1	○	15	11	14	4,8
200	2517	0,3	45	bü	1	○	15	11	14	5,0
212	2517	0,3	45	bü	1	○	15	11	14	5,4
224	2517	0,3	45	bü	1	○	15	11	14	5,6
236	2517	0,3	45	bü	1	○	15	10	15	6,2
250	2517	0,3	45	bü	1	○	14	11	15	6,4
280	2517	0,3	45	bü	1	○	14	11	15	7,1

**b = 50**

d	Buchse bush	h	Nabe hub		Bild illustr.	Typ type	S	T	U	Gewicht weight
			Länge length	Lage position						
100	1610	0,3	26	bü	2	●	-	-	32	3,0
106	1610	0,3	26	bü	2	●	-	-	32	3,0
112	2012	0,3	32	bü	2	●	-	-	26	3,2
118	2012	0,3	32	bü	2	●	-	-	26	3,2
125	2012	0,3	32	bü	2	●	-	-	26	3,5
132	2012	0,3	32	bü	2	●	-	-	26	3,5
140	2012	0,3	32	bü	2	●	-	-	26	3,7
150	2012	0,3	32	bü	2	●	-	-	26	4,2
160	2012	0,3	32	bü	2	●	8	22	28	4,8
180	2517	0,3	45	bü	2	○	23	12	23	5,8
190	2517	0,3	45	bü	2	○	22	12	24	6,4
200	2517	0,3	45	bü	2	○	23	13	22	6,8
212	2517	0,3	45	bü	2	○	22	14	22	7,0
224	2517	0,3	45	bü	2	○	24	13	21	7,3
236	2517	0,3	45	bü	2	○	23	12	23	7,6
250	2517	0,3	45	bü	2	○	23	12	23	8,1
280	2517	0,3	45	bü	2	○	22	15	21	9,2
300	3020	0,3	52	bü	1	○	21	13	24	11,0

# Technical information for flat belt pulleys

## Some comments on flat belt drives

Nowadays flat belt drives are again being more widely used since they have a series of advantages compared with V-belt drives:

- Higher degree of efficiency, up to 99% (single groove V-belts approx. 97%, multi groove approx. 92%)
- The life span is up to 4 times greater than with V-belt drive.
- The noise emission is 10-20 db lower than with V-belt drive.
- Almost wear and tear free operation and thus low maintenance requirement, subsequent tensioning is not normally necessary.

However, when using flat belt drives attention must be paid to the fact that for troublefree operation a stable construction must be present which enables permanent correct alignment of the flat belt pulley.

The acquisition costs for flat belt drives are higher than for V-belt drives.

## Assembly instructions

Each flat belt drive must be dimensioned in accordance with the drive data, whereby the calculated bearing expansion must be observed during assembly.

A defined length is marked on the belt which, following tensioning, must be longer by the pretensioning. (e.g. 1000mm + 2% = 1020mm in a tensioned state)

Exact alignment of the flat belt pulleys is necessary, too great an alignment error manifests itself in a drifting off of the belt. Before the trial run, rotate the disks in both directions by hand in order to check the running of the belt.

During initial assembly: First of all pretension with 70% of the calculated bearing expansion, put into operation for 30-60 minutes and then increase to the final pretension.

Normally, subsequent tensioning is not necessary following reaching of the required pretension.

## Use of flat belt pulleys with collar

Particularly in the ventilation industry, flat belt pulleys with collar are being used to an increasing extent in order to prevent the drifting off of the belts during the start up phase.

Permanent contact of the belt with the collar leads to the destruction of the belt, therefore it is also imperative that attention must be paid to correct alignment of the pulleys.