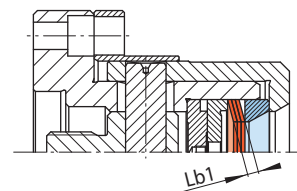


for setup of Bonded Disc Pack Flange Chucks LHFF to different clamping diameters within a given size with large component tolerances, high true running accuracy and high clearance

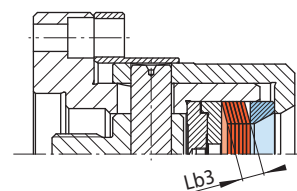
## Key

- d = Seating diameter
- D = Achievable clamping diameter
- $\Delta D$  = Maximum diameter change of the clamping diameter of the Clamping Element
- s = Clamping disc thickness
- n = Number of Clamping Discs (max. 16)
- $Lb_n = s \cdot n$   
= Bonded disc pack width
- $M_n = M_1 \cdot n$   
= Max. transmissible torque
- $Fm_n = Fm_1 \cdot n$   
= Required actuating force for component clamping with pull-back action
- $Fo_n = Fo_1 \cdot n$   
= Required actuating force for component clamping without pull-back action

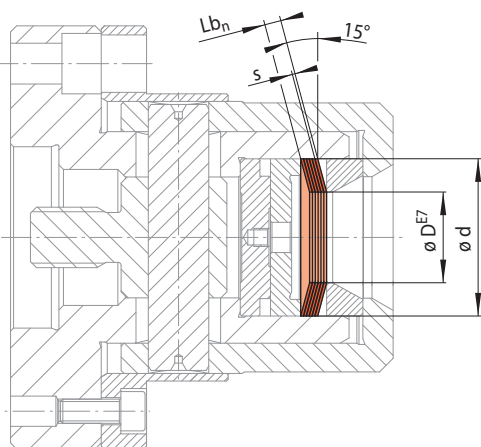
## Installation situations



Bonded disc pack widths Lb1



Bonded disc pack width Lb3



12-1

12-2

Size LHF ...	Clamping Discs LHF							Bonded Disc Packs LHF										
	d	D*	$\Delta D$	s	$M_1$	$Fm_1$	$Fo_1$	Art.-No.	Bonded disc pack width Lb1					Bonded disc pack width Lb3				
									Lb1	$M_n$	$Fm_n$	$Fo_n$	Art.-No.	Lb3	$M_n$	$Fm_n$	$Fo_n$	Art.-No.
mm	mm	mm	mm	Nm	N	N	1004-	mm	Nm	N	N	3024-	mm	Nm	N	N	3024-	
32	11 - 15	0,7	0,75	1,0	540	435	032002	6	8	4320	3480	032003	12	16	8640	6960	032004	
37	15 - 20	0,7	0,75	2,5	950	765	037002	6	20	7600	6120	037003	12	40	15200	12240	037004	
42	20 - 25	0,7	0,75	4,5	1350	1080	042002	6	36	10800	8640	042003	12	72	21600	17280	042004	
47	25 - 30	0,7	0,75	7,0	1650	1300	047002	6	56	13200	10400	047003	12	112	26400	20800	047004	
52	30 - 35	0,7	0,75	10	1950	1550	052002	6	80	15600	12400	052003	12	160	31200	24800	052004	
57	35 - 40	0,7	0,75	14	2350	1900	057002	6	112	18800	15200	057003	12	224	37600	30400	057004	
62	40 - 45	0,7	0,75	19	2800	2250	062002	6	152	22400	18000	062004	12	304	44800	36000	062005	
70	45 - 50	0,9	1,0	33	4450	3600	070002	8	264	35600	28800	070004	16	528	71200	57600	070005	
80	50 - 55	0,9	1,0	41	4800	3850	080003	8	328	38400	30800	080008	16	656	76800	61600	080009	
	55 - 60	0,9	1,0	51	5550	4500	080004	8	408	44400	36000	080010	16	816	88800	72000	080011	
90	60 - 65	0,9	1,0	60	5900	4750	090003	8	480	47200	38000	090006	16	960	94400	76000	090007	
	65 - 70	0,9	1,0	72	6650	5400	090004	8	576	53200	43200	090008	16	1152	106400	86400	090009	
100	70 - 75	0,9	1,0	84	7050	5650	100003	8	672	56400	45200	100009	16	1344	112800	90400	100010	
	75 - 80	0,9	1,0	97	7750	6300	100004	8	776	62000	50400	100011	16	1552	124000	100800	100012	
110	80 - 85	0,9	1,0	112	8150	6600	110003	8	896	65200	52800	110005	16	1792	130400	105600	110006	
	85 - 90	0,9	1,0	127	8900	7200	110004	8	1016	71200	57600	110007	16	2032	142400	115200	110008	
120	90 - 100	0,9	1,0	129	8350	6700	120002	8	1032	66800	53600	120003	16	2064	133600	107200	120004	
140	100 - 115	1,0	1,25	185	10800	8700	140002	10	1480	86400	69600	140005	20	2960	172800	139200	140006	
150	115 - 125	1,0	1,25	255	13300	10800	150002	10	2040	106400	86400	150004	20	4080	212800	172800	150005	
160	125 - 135	1,0	1,25	305	14500	11700	160002	10	2440	116000	93600	160003	20	4880	232000	187200	160004	
170	135 - 145	1,0	1,25	365	16000	13000	170002	10	2920	128000	104000	170005	20	5840	256000	208000	170006	
180	145 - 165	1,0	1,25	420	17200	14000	180002	10	3360	137600	112000	180003	20	6720	275200	224000	180004	
190	155 - 165	1,0	1,25	470	18100	14700	190002	10	3760	144800	117600	190005	20	7520	289600	235200	190006	

\* Clamping diameter from > up to ≤ adjustable to two places after the decimal point

The Bonded Disc Packs LHF have a larger taper angle than the Bonded Disc Packs LAF. This makes it possible to clamp larger component tolerances up to IT14 securely. The achievable true running accuracy is ≤ 0,015 mm. Bonded Disc Packs LHF can limited be used in Bonded Disc Pack Flange Chucks. We request that you contact us.

## Example for ordering

Please indicate the size of the Clamping Element, the clamping diameter of your component, including component tolerance, and the desired bonded disc pack width in your order:

Size: LHF 42  
 Clamping diameter: 21,47 mm  
 Component tolerance: h6  
 Bonded disc pack width: 12 mm

➔ LHF 42-21,47h6-12