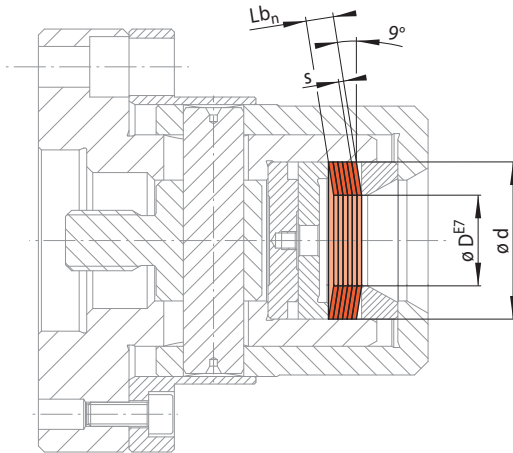


Clamping Elements Bonded Disc Packs LAF

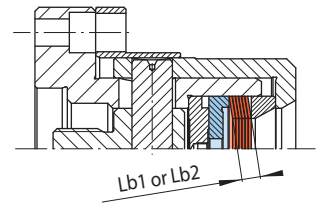
for customer assembled Bonded Disc Pack Flange Chucks
for setup to different clamping diameters within a given size



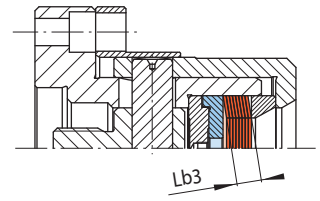
Key

- d = Seating diameter
- D = Achievable clamping diameter
- ΔD = 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 and Lb2



Bonded disc pack width Lb3

14-1

14-2

Size LAF ...			Clamping Discs LAF					Bonded Disc Packs LAF														
								Bonded disc pack width Lb1					Bonded disc pack width Lb2					Bonded disc pack width Lb3				
			d	D*	Δ D	s	M ₁	Fm ₁	Fo ₁	Art.-No.	Lb1	M _n	Fm _n	Fo _n	Art.-No.	Lb2	M _n	Fm _n	Fo _n	Art.-No.	Lb3	M _n
mm	mm	mm	mm	Nm	N	N	1002-	mm	Nm	N	N	3022-	mm	Nm	N	N	3022-	mm	Nm	N	N	3022-
18	7 - 10	0,10	0,50	0,3	180	120	018007	4	2,3	1500	1000	018007	6	3,5	2200	1500	018008	8	4,6	2900	2000	018009
22	7 - 10	0,10	0,50	0,3	170	110	022001	4	2,3	1400	900	022001	6	3,5	2100	1400	022002	8	4,6	2800	1800	022003
	10 - 15	0,10	0,50	0,7	290	190	022004	4	5,6	2400	1600	022004	6	8,4	3500	2400	022005	8	10	4700	3100	022006
27	10 - 15	0,15	0,75	1,0	460	320	027004	6	8,0	3700	2600	027004	9	10	5600	3900	027005	12	10	7400	5200	027006
32	10 - 15	0,15	0,75	1,0	440	300	032001	6	8,0	3600	2400	032001	9	10	5300	3600	032002	12	10	7100	4800	032003
	15 - 20	0,15	0,75	2,5	740	510	032004	6	20	6000	4100	032004	9	30	8900	6200	032005	12	40	11900	8200	032006
37	15 - 20	0,15	0,75	2,5	710	480	037001	6	20	5700	3900	037001	9	30	8600	5900	037002	12	40	11400	7700	037003
	20 - 25	0,15	0,75	4,7	1060	730	037004	6	30	8500	5900	037004	9	50	12800	8900	037005	12	60	17000	11700	037006
42	20 - 25	0,15	0,75	4,7	1000	680	042001	6	30	8000	5500	042001	9	50	12000	8300	042002	12	60	16000	10900	042003
	25 - 30	0,15	0,75	7,5	1350	930	042004	6	60	10800	7500	042004	9	90	16200	11300	042005	12	120	21600	14900	042006
47	25 - 30	0,15	0,75	7,5	1300	870	047001	6	60	10400	7000	047001	9	90	15600	10500	047002	12	120	20800	14000	047003
	30 - 35	0,15	0,75	10	1650	1100	047004	6	80	13200	8800	047004	9	120	19800	13200	047005	12	160	26400	17600	047006
52	30 - 35	0,15	0,75	10	1550	1050	052001	6	80	12400	8400	052001	9	120	18600	12600	052002	12	160	24800	16800	052003
	35 - 40	0,15	0,75	15	1950	1350	052004	6	120	15600	10800	052004	9	180	23400	16200	052005	12	240	31200	21600	052006
57	35 - 40	0,15	0,75	15	1850	1250	057001	6	120	14800	10000	057001	9	180	22200	15000	057002	12	240	29600	20000	057003
	40 - 45	0,15	0,75	20	2250	1550	057004	6	160	18000	12400	057004	9	240	27000	18600	057005	12	320	36000	24800	057006
62	40 - 45	0,15	0,75	20	2200	1450	062001	6	160	17600	11600	062001	9	240	26400	17400	062002	12	320	35200	23200	062003
	45 - 50	0,15	0,75	26	2600	1800	062004	6	200	20800	14400	062004	9	310	31200	21600	062005	12	410	41600	28800	062006
67	45 - 50	0,15	0,75	26	2500	1650	067001	6	200	20000	13200	067001	9	310	30000	19800	067002	12	410	40000	26400	067003
	50 - 55	0,15	0,75	32	2900	2000	067004	6	250	23200	16000	067004	9	380	34800	24000	067005	12	500	46400	32000	067006
70	50 - 55	0,15	0,75	32	2800	1900	070001	6	250	22400	15200	070001	9	380	33600	22800	070002	12	500	44800	30400	070003
	45 - 50	0,25	1,00	34	3400	2350	070004	6	200	20400	14100	070004	10	340	34000	23500	070005	16	540	54400	37600	070006
75	45 - 50	0,25	1,00	34	3300	2200	075001	6	200	19800	13200	075001	10	340	33000	22000	075002	16	540	52800	35200	075003
	50 - 55	0,25	1,00	42	3800	2600	075004	6	250	22800	15600	075004	10	420	38000	26000	075005	16	670	60800	41600	075006
80	50 - 55	0,25	1,00	42	3700	2450	080001	6	250	22200	14700	080001	10	420	37000	24500	080002	16	670	59200	39200	080003
	55 - 60	0,25	1,00	51	4200	2900	080004	6	300	25200	17400	080004	10	510	42000	29000	080005	16	810	67200	46400	080006
85	55 - 60	0,25	1,00	51	4100	2700	085001	6	300	24600	16200	085001	10	510	41000	27000	085002	16	810	65600	43200	085003
	60 - 65	0,25	1,00	62	4600	3200	085004	6	370	27600	19200	085004	10	620	46000	32000	085005	16	990	73600	51200	085006
90	60 - 65	0,25	1,00	62	4500	3000	090001	6	370	27000	18000	090001	10	620	45000	30000	090002	16	990	72000	48000	090003
	65 - 70	0,25	1,00	73	5000	3500	090004	6	430	30000	21000	090004	10	730	50000	35000	090005	16	1160	80000	56000	090006
95	65 - 70	0,25	1,00	73	4900	3300	095001	6	430	29400	19800	095001	10	730	49000	33000	095002	16	1160	78400	52800	095003
	70 - 75	0,25	1,00	85	5500	3800	095004	6	510	33000	22800	095004	10	850	55000	38000	095005	16	1360	88000	60800	095006
100	70 - 75	0,25	1,00	85	5300	3600	100001	6	510	31800	21600	100001	10	850	53000	36000	100002	16	1360	84800	57600	100003
	75 - 80	0,25	1,00	98	5900	4100	100004	6	580	35400	24600	100004	10	980	59000	41000	100005	16	1560	94400	65600	100006
105	75 - 80	0,25	1,00	98	5700	3800	105001	6	580	34200	22800	105001	10	980	57000	38000	105002	16	1560	91200	60800	105003
	80 - 85	0,25	1,00	110	6400	4400	105004	6	660	38400	26400	105004	10	1100	64000	44000	105005	16	1760	102400	70400	105006

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

Clamping Elements Bonded Disc Packs LAF

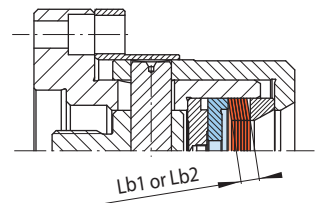
for customer assembled Bonded Disc Pack Flange Chucks
for setup to different clamping diameters within a given size

EDMAYR
ANTRIEBSTECHNIK

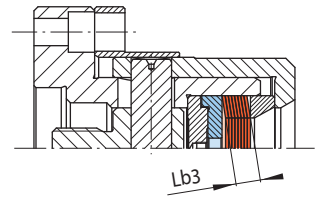
Key

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= 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 and Lb2



Bonded disc pack width Lb3

15-1

15-2

Size LAF ...			Clamping Discs LAF					Bonded Disc Packs LAF															
								Bonded disc pack width Lb1					Bonded disc pack width Lb2					Bonded disc pack width Lb3					
d	D*	Δ D	s	M ₁	Fm ₁	Fo ₁	Art.-No.	Lb1	M _n	Fm _n	Fo _n	Art.-No.	Lb2	M _n	Fm _n	Fo _n	Art.-No.	Lb3	M _n	Fm _n	Fo _n	Art.-No.	
mm	mm	mm	mm	Nm	N	N	1002-	mm	Nm	N	N	3022-	mm	Nm	N	N	3022-	mm	Nm	N	N	3022-	
110	80 - 85	0,25	1,00	110	6100	4100	110001	6	660	36600	24600	110001	10	1100	61000	41000	110002	16	1760	97600	65600	110003	
	85 - 90	0,25	1,00	130	6800	4700	110004	6	780	40800	28200	110004	10	1300	68000	47000	110005	16	2080	108800	75200	110006	
115	85 - 90	0,25	1,00	130	6500	4400	115001	6	780	39000	26400	115001	10	1300	65000	44000	115002	16	2080	104000	70400	115003	
	90 - 95	0,25	1,00	140	7200	5000	115004	6	840	43200	30000	115004	10	1400	72000	50000	115005	16	2240	115200	80000	115006	
120	90 - 95	0,25	1,00	140	7000	4700	120001	6	840	42000	28200	120001	10	1400	70000	47000	120002	16	2240	112000	75200	120003	
	95 - 100	0,25	1,00	160	7700	5300	120004	6	960	46200	31800	120004	10	1600	77000	53000	120005	16	2560	123200	84800	120006	
125	95 - 100	0,25	1,00	160	7400	5000	125001	6	960	44400	30000	125001	10	1600	74000	50000	125002	16	2560	118400	80000	125003	
	100 - 105	0,25	1,00	180	8100	5600	125004	6	1080	48600	33600	125004	10	1800	81000	56000	125005	16	2880	129600	89600	125006	
130	95 - 100	0,35	1,25	170	8000	5500	130007	6,3	850	40400	27800	130001	10	1360	64200	44200	130002	20	2720	128400	88400	130003	
	100 - 105	0,35	1,25	190	8800	6100	130009	6,3	950	44400	30800	130001	10	1520	70500	48900	130002	20	3040	141000	97800	130003	
140	95 - 100	0,35	1,25	170	7700	5200	140007	6,3	850	38900	26300	140001	10	1360	61800	41800	140002	20	2720	123600	83600	140003	
	100 - 105	0,35	1,25	190	8400	5700	140009	6,3	950	42400	28800	140010	10	1520	67400	45800	140011	20	3040	134800	91600	140012	
	105 - 110	0,35	1,25	210	8900	6200	140011	6,3	1050	44900	31300	140004	10	1680	71300	49700	140005	20	3360	142600	99400	140006	
	110 - 115	0,35	1,25	230	9800	6800	140013	6,3	1150	49400	34300	140004	10	1840	78500	54500	140005	20	3680	157000	109000	140006	
150	115 - 120	0,35	1,25	260	10100	7000	150011	6,3	1310	51000	35300	150001	10	2080	81000	56100	150002	20	4160	162000	112200	150003	
	120 - 125	0,35	1,25	290	11000	7700	150013	6,3	1460	55500	38900	150001	10	2320	88100	61800	150002	20	4640	176200	123600	150003	
160	115 - 120	0,35	1,25	260	9800	6600	160007	6,3	1310	49400	33300	160001	10	2080	78500	52900	160002	20	4160	157000	105800	160003	
	120 - 125	0,35	1,25	290	10500	7200	160009	6,3	1460	53000	36300	160001	10	2320	84200	57700	160002	20	4640	168400	115400	160003	
	125 - 130	0,35	1,25	310	11000	7600	160011	6,3	1560	55500	38400	160004	10	2480	88100	61000	160005	20	4960	176200	122000	160006	
	130 - 135	0,35	1,25	340	11900	8400	160013	6,3	1710	60000	42400	160004	10	2720	95300	67400	160005	20	5440	190600	134800	160006	
170	135 - 140	0,35	1,25	370	12200	8400	170011	6,3	1860	61500	42400	170001	10	2960	97700	67400	170002	20	5920	195400	134800	170003	
	140 - 145	0,35	1,25	400	13200	9200	170013	6,3	2010	66600	46400	170001	10	3200	105800	73700	170002	20	6400	211600	147400	170003	
180	135 - 140	0,35	1,25	370	11800	7900	180007	6,3	1860	59500	39900	180001	10	2960	94500	63400	180002	20	5920	189000	126800	180003	
	140 - 145	0,35	1,25	400	12500	8500	180009	6,3	2010	63000	42900	180001	10	3200	100000	68100	180002	20	6400	200000	136200	180003	
	145 - 150	0,35	1,25	420	13100	9000	180011	6,3	2110	66100	45400	180004	10	3360	105000	72100	180005	20	6720	210000	144200	180006	
	150 - 155	0,35	1,25	460	14000	9800	180013	6,3	2310	70600	49400	180004	10	3680	112100	78500	180005	20	7360	224200	157000	180006	
190	155 - 160	0,35	1,25	500	14300	9800	190011	6,3	2520	72100	49400	190001	10	4000	114500	78500	190002	20	8000	229000	157000	190003	
	160 - 165	0,35	1,25	530	15200	10600	190013	6,3	2670	76700	53500	190001	10	4240	121800	85000	190002	20	8480	243600	170000	190003	
200	165 - 170	0,35	1,25	560	15200	10400	200008	6,3	2820	76700	52500	200010	10	4480	121800	83400	200011	20	8960	243600	166800	200012	

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

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

➔ LAF 42-21,47h6-12

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