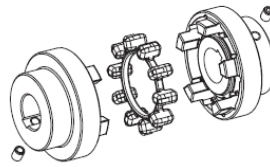
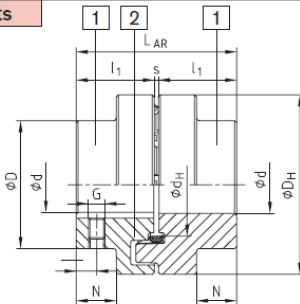


Type AR

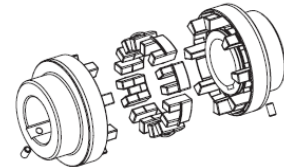


- Torsionally flexible, reduces vibrations
- Fail-safe
- Maintenance-free
- Very short design
- Axial plug-in
- According to DIN 740
- CE Approved according to EC Standard 94/9/EC
- Detailed mounting instructions and further information available at [www.ktr.com](http://www.ktr.com)

Components



Size 28-125



Size 140-280

Components:

Type AR

1 = Standard hub (G.JL)

2 = Elastomer ring (up to size 180: NBR 78 Sh-A; up to size 200: T-PUR® 84 Sh-A)

POLY-NORM® Type AR

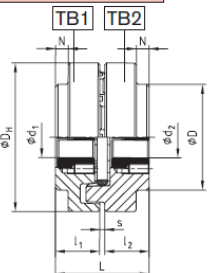
Size	Elastomer ring (part 2) <sup>1)</sup>		Max. finish bore Ød <sup>2)</sup>	Dimensions [mm]										Mass moment of inertia [kgm <sup>2</sup> ] <sup>3)</sup>	AR <sup>3)</sup> Weight [kg]
	TKN	TKmax.		General											
				LAR	l <sub>1</sub>	s	D	d <sub>H</sub>	N	G	t				
28	40	80	30	59	28	3	69	46	36,5	12	M5	7	0,0004	0,9	
32	60	120	35	68	32	4	78	53	41,5	14	M8	7	0,0008	1,4	
38	90	180	40	80	38	4	87	62	50	19,5	M8	10	0,0016	2,0	
42	150	300	45	88	42	4	96	69	55,5	20	M8	10	0,0026	2,7	
48	220	440	50	101	48	5	106	78	64	24	M8	15	0,0042	3,7	
55	300	600	60	115	55	5	118	90	73	29	M8	14	0,0070	5,5	
60	410	820	65	125	60	5	129	97	81	33	M8	15	0,0112	6,9	
65	550	1100	70	135	65	5	140	105	86	36	M10	20	0,0174	8,8	
75	850	1700	80	155	75	5	158	123	100	42,5	M10	20	0,028	13,5	
85	1350	2700	90	175	85	5	182	139	116	48,5	M10	25	0,052	19,5	
90	2000	4000	95	185	90	5	200	148	128	49	M12	25	0,090	23,2	
100	2900	5800	110	206	100	6	224	165	143	55	M12	25	0,160	31,9	
110	3900	7800	50-120	226	110	6	250	185	158	60	M16	30	0,317	38,0	
125	5500	11000	55-140	256	125	6	280	210	178	70	M16	35	0,570	55,2	
140	7200	14400	65-155	286	140	6	315	235	216	76,5	M20	35	1,030	92,6	
160	10000	20000	75-175	326	160	6	350	265	246	94,5	M20	45	1,746	126,9	
180	13400	26800	75-200	366	180	6	400	300	290	111,5	M20	50	3,239	181,8	
NEW 200	19000	38000	85-200	408	200	8	450	335	-	126	M24	50	5,728	263,7	
NEW 220	30000	60000	95-220	448	220	8	500	370	-	140	M24	50	9,489	355,9	
NEW 240	43000	86000	105-240	488	240	8	550	405	-	154	M24	50	14,963	466,3	
NEW 260	55000	110000	115-260	530	260	10	650	440	-	158	M24	60	29,504	672,2	
NEW 280	67000	134000	125-280	570	280	10	700	475	-	172	M24	60	42,451	836,6	

<sup>1)</sup> Standard material perbunan (NBR) 78 Shore A, size 140 - 280 double tooth elastomers, selection see page 54

<sup>2)</sup> Bores H7 with keyway DIN 6885 sheet 1 [JS9] and threads for setscrews on the feather keyway.

<sup>3)</sup> Referring to average bore

Components



POLY-NORM® for taper clamping bush

Size	Taper clamping bush	Dimensions [mm]		Fastening screws <sup>1)</sup> for taper clamping bush				Size	Taper clamping bush	Dimensions [mm]		Fixing screws <sup>1)</sup> for taper clamping bush			
		max. d <sub>1</sub> :d <sub>2</sub>	l <sub>1</sub> :l <sub>2</sub>	Size [Inch]	Length [mm]	SW [mm]	T <sub>A</sub> [Nm]			max. d <sub>1</sub> :d <sub>2</sub>	l <sub>1</sub> :l <sub>2</sub>	Size [Inch]	Length [mm]	SW [mm]	T <sub>A</sub> [Nm]
		32	1108	25	25,5	1/2"	13			3	5,7	75	2517	60	52,5
42	1210	32	31,0	3/8"	16	5	20	85	2517	60	46,5	1/2"	25	6	49
48	1610	40	30,0	3/16"	16	5	20	3030	75	82	5/8"	32	8	90	
	1615	40	42,5	3/8"	16	5	20	90	3020	75	52,0	5/8"	32	8	92
60	2012	50	38,5	7/16"	22	6	31	100	3535	90	98,0	1/2"	38	10	115
65	2517	60	62,5	1/2"	25	6	49	125	4040	100	111,5	5/8"	45	12	172

<sup>1)</sup> 2 fastening screws except for 3535/4040 3 fixing screws.

Coupling design TB 1 Cam-sided screwing - TB 2 Collar-sided screwing

Combination possible! Please order our separate data sheet M407045.

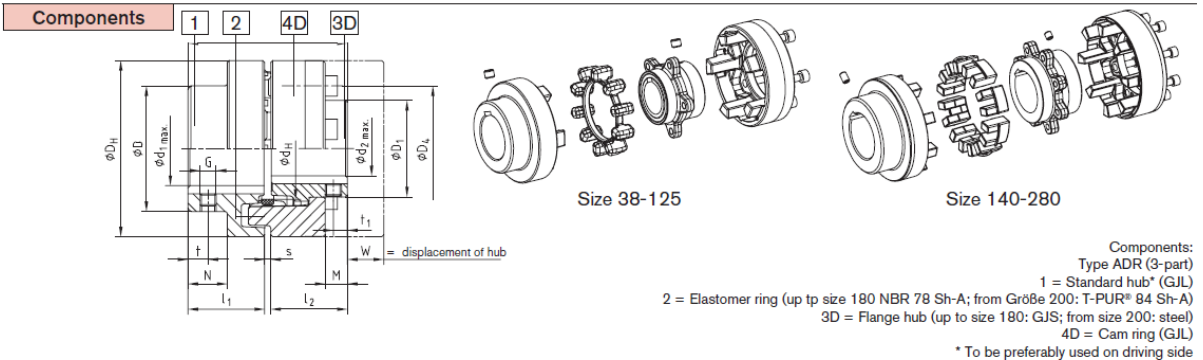
Ordering example:

POLY-NORM® 38	AR	Ø38	Ø30
Coupling size	Type	Finish bore	Finish bore

Type ADR (3-part design)



- Torsionally flexible, reduces vibrations
- Elastomer ring can be replaced while being mounted
- Fail-safe
- Maintenance-free
- Short design
- Axial plug-in
- According to DIN 740
- Approved according to EC Standard 94/9/EC
- Detailed mounting instructions and further information available at [www.ktr.com](http://www.ktr.com)



POLY-NORM® Type ADR																			
Size	Elastomer ring torque [Nm] <sup>1)</sup>		Dimensions [mm]																
			Max. finish bore <sup>2)</sup>		General											Thread for setscrew			
			d1	d2	LADR	l1:l2	s	DH	D	D1	dH	N	M	W	G	t	t1	TA [Nm]	
38	90	180	40	34	80	38	4	87	62	48	50	19,5	11,0	12	M8	10	7	10	
42	150	300	45	38	88	42	4	96	69	54	55,5	20	12,0	16	M8	10	7	10	
48	220	440	50	44	101	48	5	106	78	62	64	24	13,7	16	M8	15	7	10	
55	300	600	60	50	115	55	5	118	90	72	73	29	18,7	15	M8	14	14	10	
60	410	820	65	56	125	60	5	129	97	80	81	33	22,2	14	M8	15	15	10	
65	550	1100	70	60	135	65	5	140	105	86	86	36	26,7	11	M10	20	20	17	
75	850	1700	80	68	155	75	5	158	123	98	100	42,5	27,8	16	M10	20	20	17	
85	1350	2700	90	78	175	85	5	182	139	112	116	48,5	33,7	18	M10	25	25	17	
90	2000	4000	95	85	185	90	5	200	148	122	128	49	31,5	26	M12	25	25	40	
100	2900	5800	110	95	206	100	6	224	165	136	143	55	37,5	28	M12	25	25	40	
110	3900	7800	50-120	105	226	110	6	250	185	150	158	60	39,5	30	M16	30	30	80	
125	5500	11000	55-140	115	256	125	6	280	210	168	178	70	48,0	35	M16	35	35	80	
140	7200	14400	65-155	55-135	286	140	6	315	235	195	216	76,5	47,0	59	M20	35	35	140	
160	10000	20000	75-175	65-155	326	160	6	350	265	225	246	94,5	65,0	43	M20	45	45	140	
180	13400	26800	75-200	65-175	366	180	6	400	300	255	290	111,5	79,0	33	M20	50	50	140	
NEW 200	19000	38000	85-200	200	408	200	8	450	335	290	-	126	95	7	M24	50	50	240	
NEW 220	30000	60000	95-220	220	448	220	8	500	370	320	-	140	103	8	M24	50	50	240	
NEW 240	43000	86000	105-240	240	488	240	8	550	405	350	-	154	119	1	M24	50	50	240	
NEW 260	55000	110000	115-260	260	530	260	10	650	440	380	-	158	109	34	M24	60	60	240	
NEW 280	67000	134000	125-280	280	570	280	10	700	475	410	-	172	109	29	M24	60	60	240	

Classification of cap crews DIN EN ISO 4762-12.9											
Size	M x l [mm]	Number z	Separation z x angle	D4 [mm]	TA [Nm] <sup>3)</sup>	Size	M x l [mm]	Number z	Separation z x angle	D4 [mm]	TA [Nm] <sup>3)</sup>
38	M6x16	5	5x72	62	10	110	M16x40	8	8x45	183	210
42	M8x16	5	5x72	69	25	125	M20x40	8	8x45	202	410
48	M8x20	6	6x60	78	25	140	M20x50	8	8x45	237	410
55	M8x20	6	6x60	88	25	160	M20x55	9	9x40	267	410
60	M8x20	6	6x60	98	25	180	M20x60	10	10x36	304	410
65	M10x20	6	6x60	104	49	200	M20x60	10	10x36	342	580
75	M10x25	6	6x60	120	49	220	M24x70	10	10x36	378	1000
85	M12x25	6	6x60	138	86	240	M27x70	10	10x36	416	1500
90	M16x30	6	6x60	149	210	260	M30x90	10	10x36	480	2000
100	M16x30	6	6x60	163	210	280	M30x90	10	10x36	520	2000

<sup>1)</sup> Standard material Perbunan (NBR) 78 Shore A, size 140 - 280 double tooth elastomers, selection see page 54  
<sup>2)</sup> Bore H7 with keyway to DIN 6885 sheet 1(JS9) with thread for set screws  
<sup>3)</sup> Screw tightening torque acc. to 8.8

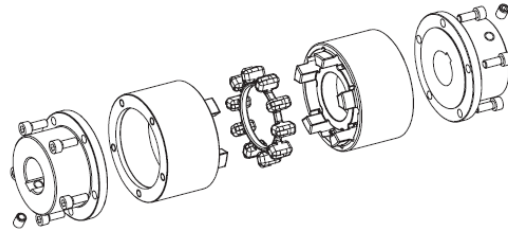
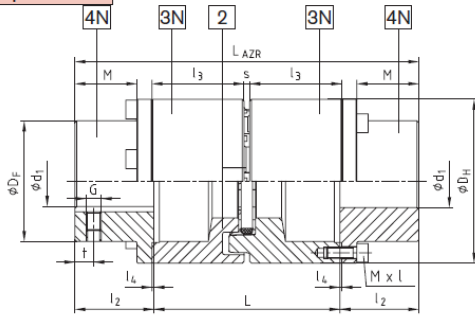
Ordering example:	POLY-NORM® 65	ADR	d1=Ø55	d2=Ø60
	Coupling size	Type	Finish bore	Finish bore

Type AZR



- Bridging large shaft gaps with (standard) spacers
- Allows to replace the elastomer with no need to disassemble the driving and driven machine
- No movement of driver and driven components is necessary for disassembly of pump thrust bearing
- Customized types available (AZVR)
- Approved and certified according to EC Standard 94/9/EC
- Detailed mounting instructions and further information available at [www.ktr.com](http://www.ktr.com)

Components



Components:  
Type AZR  
2 = Elastomer ring (NBR 78 Sh-A)  
3N = Driving flange (G.L.)  
4N = Coupling flange (Steel)

POLY-NORM® Type AZR																				
Size	Drop out center length L [mm]	Elastomer ring (p. 2) <sup>1)</sup>		Max. finish bore <sup>2)</sup> Ø d <sub>f</sub>	Dimensions [mm]											Mass moment of inertia <sup>3)</sup> [kgm <sup>2</sup> ]	AZR Weight <sup>3)</sup> [kg]			
		T <sub>KN</sub>	T <sub>Kmax</sub>		General															
																	Thread for setscrew			
																	G	t		
28	100	40	80	30	170	35	49,5	3	1	69	46	26	M6x18	14	M5	7	0,0020	2,4		
	140				210		69,5										0,0030	2,9		
32	100	60	120	35	170	35	49	4	1	78	53	26	M6x18	14	M8	7	0,0042	3,2		
	140				210		69										0,0062	3,9		
38	100	90	180	40	184	42	49	4	1	87	62	33	M6x20	14	M8	10	0,0048	4,3		
	140				224		69										0,0068	5,1		
42	100	150	300	45	190	45	49	4	1	96	69	35	M6x20	14	M8	10	0,0094	5,1		
	140				230		69										0,0128	6,0		
48	100	220	440	50	204	52	49	5	1,5	106	78	41,5	M6x20	14	M8	15	0,0170	6,6		
	140				244		69										0,0216	7,5		
55	100	300	600	60	210	55	49	5	1,5	118	88	43,5	M8x25	35	M8	14	0,0188	9,4		
	140				250		69										0,0240	10,8		
60	180	410	820	65	290	60	89	5	1,5	129	97	47,5	M8x25	35	M8	15	0,0232	12,2		
	100				220		49										0,0326	11,2		
65	140	550	1100	70	260	60	69	5	1,5	129	97	47,5	M8x25	35	M8	15	0,0414	13,0		
	180				300		89										0,0504	14,6		
75	100	410	820	65	230	55	49	5	1,5	118	88	43,5	M8x25	35	M8	14	0,0564	14,0		
	140				270		69										0,0730	15,8		
85	140	550	1100	70	310	65	89	5	1,5	140	105	51,5	M8x25	35	M10	20	0,0894	17,5		
	180				290		69										0,0824	23,2		
75	180	850	1700	80	330	75	89	5	1,5	158	123	60,5	M10x30	69	M10	20	0,1008	25,6		
	250				400		124										0,1332	29,8		
85	140	550	1100	70	290	65	69	5	1,5	129	97	47,5	M8x25	35	M8	15	0,1570	32,1		
	180				310		69										0,1658	35,2		
85	180	1350	2700	90	350	85	89	5	1,5	182	139	69,5	M10x30	69	M10	25	0,1812	40,7		
	250				420		124										0,2466	38,2		
90	140	2000	4000	100	320	90	69	5	1,5	200	148	73,5	M12x35	120	M12	25	0,2980	42,2		
	180				360		89										0,3566	49,3		
100	250	2900	5800	110	430	100	124	6	2	224	165	83	M12x35	120	M12	25	0,4450	54,8		
	140				340		69										0,3988	50,0		
	180	2900	5800	110	380	100	89	6	2	224	165	83	M12x35	120	M12	25	0,4450	54,8		
	250				450		124										0,5465	63,2		

<sup>1)</sup> Standard material Perbunan [NBR] 78 Shore-A, selection see page 54

<sup>2)</sup> Bores H7 with keyway DIN 6885 sheet 1 [JS9] and threads for setscrews on the feather keyway

<sup>3)</sup> Referring to average bore

\*For other extendable lengths (L=120/160/195/215) it is possible to combine two driving flanges 3N with various lengths (as an example: driving flanges POLY-NORM® 85 for extendable length 140 and 250 result in an extendable length of 195 mm (140 mm + 250 mm = 390 mm 390 mm/2 = 195 mm))

Ordering example:	POLY-NORM® 42	AZR	140	Ø38	Ø42
	Coupling size	Type	140 Drop out center length L	Finish bore	Finish bore