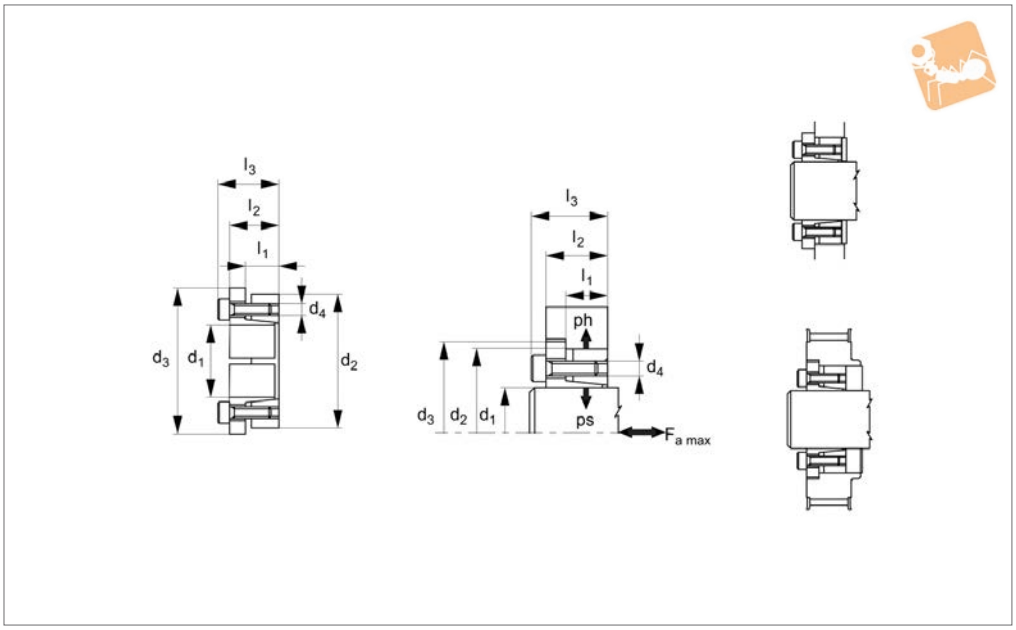

R3231

Material
Steel.

Technical Notes
Wide tolerance, quick installation, compact size.
Tolerances: Inner diameter H8, outer diameter h8.
Surface Roughness: Rt max. 16µm, Ra 3µm

Tips
Do not use any oil with molybdenum bisulphide, high pressure additives,
or grease as these reduce the coefficient of friction.
Max Torque (Mt) and Axial Thrust (Fa) values are only valid if standard oils are used.

Important Notes
Assembly:
Carefully clean the hub and shaft contact surfaces and apply a film of lightweight oil.
Slide the locking assembly into the hub bore, insert the shaft and
tighten gradually in cross sequence to indicated torque.
When tightening the mounting screws the hub has slight axial movement with respect to the shaft.
Dismantling:
Gradually loosen the cap screws. Remove and re-insert the correct number of screws into the jacking holes
and tighten gradually and regularly in crossed sequence until the back cone is released.
If the element is to be re-used then re-lubricate screws and threads.

Order No.	d_1 tol. H8	l_1	d_2 tol. h8	l_2	No. of screws	d_3	d_4	Torque to Nm	l_3	M_t torque Nm max.	F_a kN max.	P_h N/mm² max.	P_S N/mm² max.	Weight kg
R3231.019	19	31	47	39	4	53	M 6x20	17	45	294	20	96	228	0.422
R3231.020	20	31	47	39	4	53	M 6x20	17	45	313	23	96	226	0.416
R3231.022	22	31	47	39	4	53	M 6x20	17	45	362	23	97	206	0.398
R3231.024	24	31	50	39	6	56	M 6x20	17	45	421	35	100	206	0.442
R3231.025	25	31	50	39	6	56	M 6x20	17	45	470	35	110	221	0.434
R3231.028	28	31	55	39	6	61	M 6x20	17	45	578	35	105	202	0.516
R3231.030	30	31	55	39	6	61	M 6x20	17	45	637	35	118	221	0.492
R3231.032	32	31	60	39	8	66	M 6x20	17	45	784	47	114	197	0.560
R3231.035	35	31	60	39	8	66	M 6x20	17	45	843	47	118	202	0.548
R3231.038	38	31	65	39	8	71	M 6x20	17	45	1010	47	121	197	0.640
R3231.040	40	31	65	39	8	71	M 6x20	17	45	1108	47	143	234	0.608
R3231.042	42	36	75	47	6	81	M 8x30	41	55	1892	47	135	216	1.090
R3231.045	45	36	75	47	6	81	M 8x30	41	55	1912	64	135	216	1.004
R3231.048	48	36	80	47	6	86	M 8x30	41	55	2137	74	142	221	1.116
R3231.050	50	36	80	47	6	86	M 8x30	41	55	2167	86	143	221	1.074
R3231.055	55	36	85	47	8	91	M 8x30	41	55	2677	86	143	221	1.204
R3231.060	60	36	90	47	8	96	M 8x30	41	55	2853	86	131	197	1.292
R3231.065	65	36	95	47	8	101	M 8x30	41	55	3500	86	142	206	1.320
R3231.070	70	46	110	57	8	116	M10x35	83	67	5717	135	142	221	2.440
R3231.075	75	46	115	62	8	121	M10x35	83	72	6207	135	148	216	2.602
R3231.080	80	46	120	62	8	126	M10x35	83	72	6707	135	139	198	2.730
R3231.085	85	46	125	62	10	131	M10x35	83	72	8002	169	157	216	2.844
R3231.090	90	46	130	62	10	136	M10x35	83	72	8502	169	143	197	2.986

Keyless Locking Devices

self centring, high torque

Order No.	d_1 tol. H8	l_1	d_2 tol. h8	l_2	No. of screws	d_3	d_4	Torque to Nm	l_3	M_t torque Nm max.	F_a kN max.	P_h N/mm² max.	P_S N/mm² max.	Weight kg
R3231.095	95	46	135	62	10	141	M10x35	83	72	10002	169	138	187	3.144
R3231.100	100	52	145	77	8	151	M12x45	145	89	13336	198	148	197	4.136
R3231.110	110	52	155	77	8	161	M12x45	145	89	14582	198	178	197	4.552
R3231.120	120	52	165	77	10	171	M12x45	145	89	19083	248	158	216	4.844