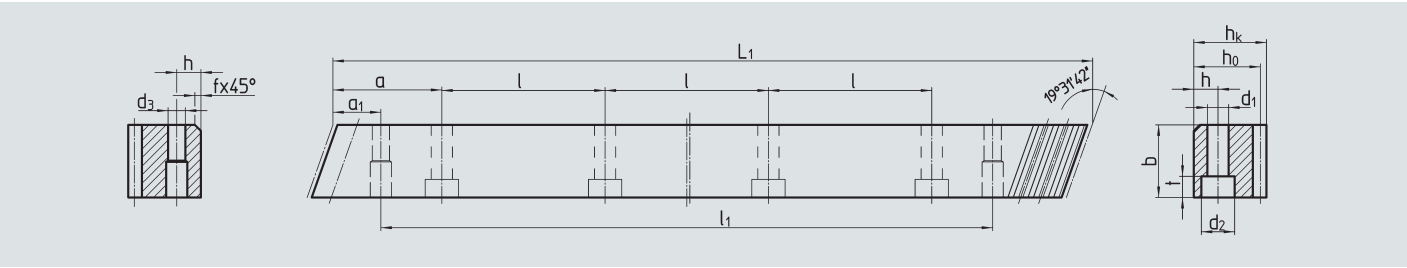
ATLANTA Quality 6



Order Code	Module	L_1	N° of Teeth z	$b^{+0.4}$	h_k	h_0	f	a	l	N° of Holes	h	d_1	d_2	t	a_1	l_1	d_3	kg
29 20 050 [2]	2	500.00	75	24	24	22	2	62.5	125	4	8	7	11	7	31.7	436.6	5.7	2.10
29 21 050	2	500.00	75	24	24	22	2	without mounting holes										2.10
29 20 100	2	1000.00	150	24	24	22	2	62.5	125	8	8	7	11	7	31.7	936.6	5.7	4.10
29 21 100	2	1000.00	150	24	24	22	2	without mounting holes										4.10
29 30 050 [2]	3	500.00	50	29	29	26	2	62.5	125	4	9	10	15	9	35.0	430.0	7.7	2.90
29 31 050	3	500.00	50	29	29	26	2	without mounting holes										2.90
29 30 100	3	1000.00	100	29	29	26	2	62.5	125	8	9	10	15	9	35.0	930.0	7.7	5.90
29 31 100	3	1000.00	100	29	29	26	2	without mounting holes										5.90
29 40 050 [1)2)]	4	506.67	38	39	39	35	2	62.5	125	4	12	10	15	9	33.3	433.0	7.7	5.40
29 31 050	4	506.67	38	39	39	35	2	without mounting holes										5.40
29 40 100	4	1000.00	75	39	39	35	2	62.5	125	8	12	10	15	9	33.3	933.4	7.7	10.70
29 41 100	4	1000.00	75	39	39	35	2	without mounting holes										10.70
29 42 100	4	1000.00	75	39	39	35	2	62.5	125	8	12	14	20	13	33.3	933.4	11.7	10.70

1) This rack can only be used for continuous linking with the left side (see sketch).
2) Due to the screw connection, the feed force is max. 50 % of the value for racks with L1 = 1,000 mm

Total Pitch Error: GT_f **/ 500 ≤ 0.026 mm**
GT_f **/1000 ≤ 0.034 mm**

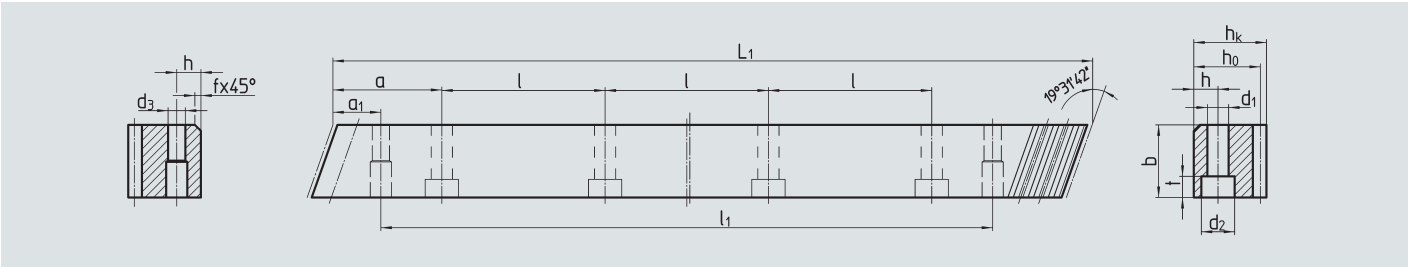
- Teeth hardened with the ATLANTA High-Performance hardening process and ground
- Heat-treatable steel according to ATLANTA-Standard
- Ground on all sides after hardening

For information on mounting racks, see page C-92.

To achieve precision rack joints, we recommend our patented rack assembly kit, see page C-96. For lubrication of racks & pinions, we recommend our electronic lubrication systems, see Chapter D. For the calculation and selection of the rack & pinion drive, see pages C-44 to C-55.

For screws for rack mounting, see page C- 95.

ATLANTA Quality 6



Order Code	Module	L_1	N° of Teeth z	$b^{+0.4}$	h_k	h_0	f	a	l	N° of Holes	h	d_1	d_2	t	a_1	l_1	d_3	kg
29 15 055 2)	1.5	500.00	100	19	19	17.5	2	62.5	125	4	8	7	11	7	31.7	436.6	5.7	1.30
29 15 105	1.5	1000.00	200	19	19	17.5	2	62.5	125	8	8	7	11	7	31.7	936.6	5.7	2.60
29 16 105	1.5	1000.00	200	19	19	17.5	2		without mounting holes									2.60
29 20 055 2)	2	500.00	75	24	24	22	2	62.5	125	4	8	7	11	7	31.7	436.6	5.7	2.10
29 20 105	2	1000.00	150	24	24	22	2	62.5	125	8	8	7	11	7	31.7	936.6	5.7	4.10
29 21 105	2	1000.00	150	24	24	22	2		without mounting holes									4.10
29 20 155	2	1500.00	225	24	24	22	2	62.5	125	12	8	7	11	7	31.7	1436.6	5.7	6.15
29 20 205	2	2000.00	300	24	24	22	2	62.5	125	16	8	7	11	7	31.7	1936.6	5.7	8.20
29 21 205	2	2000.00	300	24	24	22	2		without mounting holes									8.20
29 30 055 2)	3	500.00	50	29	29	26	2	62.5	125	4	9	10	15	9	35.0	430.0	7.7	2.90
29 30 105	3	1000.00	100	29	29	26	2	62.5	125	8	9	10	15	9	35.0	930.0	7.7	5.90
29 31 105	3	1000.00	100	29	29	26	2		without mounting holes									5.90
29 30 155	3	1500.00	150	29	29	26	2	62.5	125	12	9	10	15	9	35.0	1430.0	7.7	8.85
29 30 205	3	2000.00	200	29	29	26	2	62.5	125	16	9	10	15	9	35.0	1930.0	7.7	11.80
29 31 205	3	2000.00	200	29	29	26	2		without mounting holes									11.80
29 40 105	4	1000.00	75	39	39	35	2	62.5	125	8	12	10	15	9	33.3	933.4	7.7	10.70
29 41 105	4	1000.00	75	39	39	35	2		without mounting holes									10.70
29 42 105	4	1000.00	75	39	39	35	2	62.5	125	8	12	14	20	13	33.3	933.4	11.7	10.70
29 42 155 1)	4	1506.67	113	39	39	35	2	62.5	125	12	12	14	20	13	33.3	1433.4	11.7	16.05
29 40 205	4	2000.00	150	39	39	35	2	62.5	125	16	12	10	15	9	33.3	1933.4	7.7	21.40
29 41 205	4	2000.00	150	39	39	35	2		without mounting holes									21.40
29 42 205	4	2000.00	150	39	39	35	2	62.5	125	16	12	14	20	13	33.3	1933.4	11.7	21.40
29 50 055 2)	5	500.00	30	49	39	34	2.5	62.5	125	4	12	14	20	13	37.5	425.0	11.7	6.50
29 50 105	5	1000.00	60	49	39	34	2.5	62.5	125	8	12	14	20	13	37.5	925.0	11.7	13.00
29 51 105	5	1000.00	60	49	39	34	2.5		without mounting holes									13.00
29 50 205	5	2000.00	120	49	39	34	2.5	62.5	125	16	12	14	20	13	37.5	1925.0	11.7	26.00
29 51 205	5	2000.00	120	49	39	34	2.5		without mounting holes									26.00
29 60 055 2)	6	500.00	25	59	49	43	2.5	62.5	125	4	16	18	26	17	37.5	425.0	15.7	9.90
29 60 105	6	1000.00	50	59	49	43	2.5	62.5	125	8	16	18	26	17	37.5	925.0	15.7	18.10
29 61 105	6	1000.00	50	59	49	43	2.5		without mounting holes									18.10
29 60 205	6	2000.00	100	59	49	43	2.5	62.5	125	16	16	18	26	17	37.5	1925.0	15.7	36.20
29 61 205	6	2000.00	100	59	49	43	2.5		without mounting holes									36.20
29 80 105	8	960.00	36	79	79	71	2.5	60.0	120	8	25	22	33	21	120.0	720.0	19.7	42.50
29 81 105	8	960.00	36	79	79	71	2.5		without mounting holes									42.50
29 80 205	8	1920.00	72	79	79	71	2.5	60.0	120	16	25	22	33	21	120.0	1680.0	19.7	85.00
29 81 205	8	1920.00	72	79	79	71	2.5		without mounting holes									85.00
29 10 105 3)	10	1000.00	30	99	99	89	2.5	62.5	125	8	32	33	48	32	125.0	750.0	19.7	68.72
29 11 105 3)	10	1000.00	30	99	99	89	2.5		without mounting holes									68.72
29 10 155 3)	10	1500.00	45	99	99	89	2.5	62.5	125	12	32	33	48	32	125	1250.0	19.7	103.00
29 12 105 3)	12	1000.00	25	120	120	108	2.5	40.0	125	8	40	39	58	38	125.0	750.0	19.7	111.00
29 13 105 3)	12	1000.00	25	120	120	108	2.5		without mounting holes									111.00

1) This rack can only be used for continuous linking with the left side
2) Due to the screw connection, the feed force is max. 50 % of the value for racks with L1 = 1,000 mm
3) On Request

Total Pitch Error: GT_f/ 500 ≤ 0.026 mm
GT_f/1000 ≤ 0.034 mm
GT_f/1500 ≤ 0.041 mm (≙ 0.027 mm / 1000)
GT_f/2000 ≤ 0.044 mm (≙ 0.022 mm / 1000)

For further information see next page

All dimensions are in mm