

Class	ATLANTA Quality	Module	Total Pitch Error ¹⁾ (± µm/m)	Tooth Thickness Tolerance (µm)	Maximum Length (mm)	Maximum Feed Force Per Pinion Contact ²⁾ (kN)	Application Examples
UHRP Ultra High Precision Rack	5 Hardened & Ground	2	30	-15	1005	19.5	High-precision machine tools, Laser cutting systems, CNC cutting machines
		3	30	-15	1017	28.5	
HPR High Precision Rack	6 Hardened & Ground	2	34	-20	1005	15.5	Machine tools, Waterjet/Plasma/Laser cutting machines, CNC cutting machines, Tube bending systems, Robots, Automation
		3	34	-20	1018	25.5	
		4	34	-20	1005	49.0	
	6 Hardened & Ground	2	34	-20	2011	12.5	Machine tools, Waterjet/Plasma/Laser cutting machines, CNC cutting machines, Tube bending systems, Robots, Automation
		3	34	-20	2036	23.5	
		4	34	-20	2011	42.0	
		5	34	-20	2011	62.0	
		6	34	-20	2036	89.0	
		8	34	-20	2011	155.5	
	7 Hardened & Ground	2	52	-36	1005	12.5	Woodworking/Waterjet/Plasma/Laser cutting machines, CNC cutting machines, Tube bending systems, Robots, Automation
		3	52	-36	1018	23.0	
		4	52	-36	1005	42.0	
5		52	-36	1005	62.0		
PR Precision Rack	8 Hardened & Ground	2	60	-59	2011	12.0	Material handling, Robots, Automation
		3	60	-59	2036	22.0	
		4	60	-59	2011	39.0	
	8 Quenched & Tempered, Milled	2	100	-110	2011	7.0	Material handling, Robots, Automation
		3	100	-110	2036	12.0	
		4	100	-110	2011	23.0	
BR Basic Rack	10 Induction-Hardened Milled	1	200	-110	999	2.0	Lifting axis, Material handling, Welding robots
		1.5	200	-110	1998	3.5	
		2	200	-110	2011	7.0	
		3	200	-110	2036	16.5	
		4	200	-110	2011	29.5	
		5	200	-110	2011	45.5	
		6	200	-110	2036	63.0	
		8	200	-110	2011	110.0	
10	200	-110	1005	166.0			
12	200	-110	1018	252.5			

1) Values are for rack lengths of 1,000 mm. For total pitch errors values for other rack lengths, please see the respective catalog pages.

2) Values are only valid for special steel according ATLANTA-Standard.

When using the maximum capacity of the teeth, or multiple pinions in contact, the mounting screw loads must be checked separately! Please ask ATLANTA for advice!

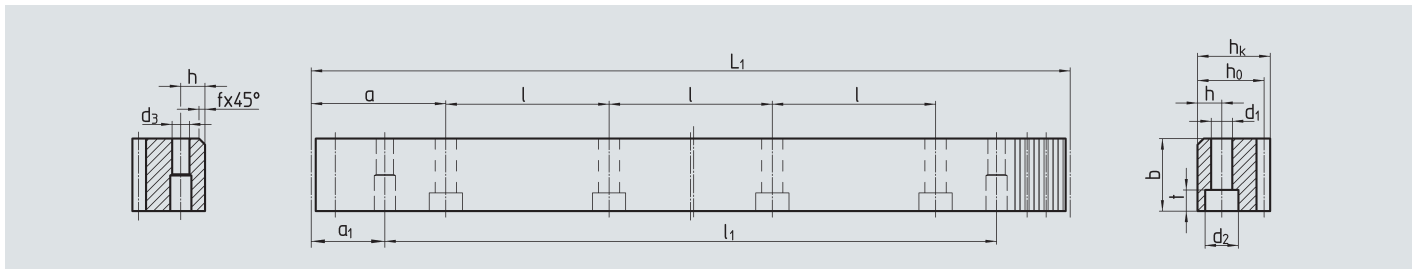
Class & Quality			UHPR 5	6	HPR 6	7	PR 8		BR 10
Material			Heat-Treat Steel ¹⁾	Case-Hardened ¹⁾	Heat-Treat Steel ¹⁾	Heat-Treat Steel ¹⁾	Heat-Treat Steel ¹⁾	Heat-Treat Steel ¹⁾	Heat-Treat Steel ¹⁾
Heat Treatment			High-Performance Hardening	High-Performance Hardening	High-Performance Hardening	High-Performance Hardening	High-Performance Hardening	Quenched & Tempered	High-Performance Hardening
Module	Mounting Holes	Rack Lengths mm	Order Code						
1	x	1000							34 93 100
1.5	x	1000							34 16 100
		2000						34 16 200	
2	✓	250		28 20 025					
		500		28 20 050			33 21 050	34 20 050	
		1000	5 01 79 002	28 20 100	28 20 105	28 20 107	28 20 108	33 21 100	34 20 100
		2000			28 20 205	28 20 207	28 20 208	33 21 200	34 20 200
	x	500		28 21 050					34 21 050
		1000		28 21 100	28 21 105			33 20 100	34 21 100
		2000			28 21 205			33 20 200	34 21 200
3	✓	250		28 30 025					
		500		28 30 050				33 31 050	34 30 050
		1000	5 01 79 003	28 30 100	28 30 105	28 30 107	28 30 108	33 31 100	34 30 100
		2000			28 30 205	28 30 207	28 30 208	33 31 200	34 30 200
	x	500		28 31 050					34 31 050
		1000		28 31 100	28 31 105			33 30 100	34 31 100
		2000			28 31 205			33 30 200	34 31 200
4	✓	500		28 40 050					34 40 050
		1000		28 40 100	28 40 105			33 41 100	34 40 100
		2000			28 40 205			33 41 200	34 40 200
	✓ Large Holes	500		28 42 050					
		1000		28 42 100	28 42 105	28 40 107	28 40 108		34 42 100
		1500							34 42 150
	x	2000			28 42 205	28 40 207	28 40 208		34 42 200
		500		28 41 050					
		1000		28 41 100	28 41 105			33 40 100	34 41 100
		2000			28 41 205		33 40 200	34 41 200	
5	✓	1000			28 50 105	28 50 107	28 50 108		34 50 100
		2000			28 50 205	28 50 207	28 50 208		34 50 200
	x	1000			28 51 105				34 51 100
		2000			28 51 205				34 51 200
6	✓	1000			28 60 105				34 60 100
		2000			28 60 205				34 60 200
	x	1000			28 61 105				34 61 100
		2000			28 61 205				34 61 200
8	✓	1000			28 80 105				
		2000			28 80 205				
	x	1000			28 81 105				34 81 100
		2000			28 81 205				34 81 200
10	✓	1000			28 10 105				
	x	1000			28 11 105				34 11 100
12	✓	1000			28 12 105				
	x	1000			28 13 105				34 13 100
Page			C-58	C-59	C-60	C-61	C-62	C-63	C-64

1) According to ATLANTA-Standard

✓ With mounting holes

x Without mounting holes

ATLANTA Quality 5



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
501 79 002	2	1005.31	160	24	24	22	2	62.83	125.66	8	8	7	11	7	31.3	942.7	5.7	4.20
501 79 003	3	1017.88	108	29	29	26	2	63.62	127.23	8	9	10	15	9	34.4	949.1	7.7	6.00

Total Pitch Error: $GT_f / 1000 \leq 0.030 \text{ mm}$

- ⊗ 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.

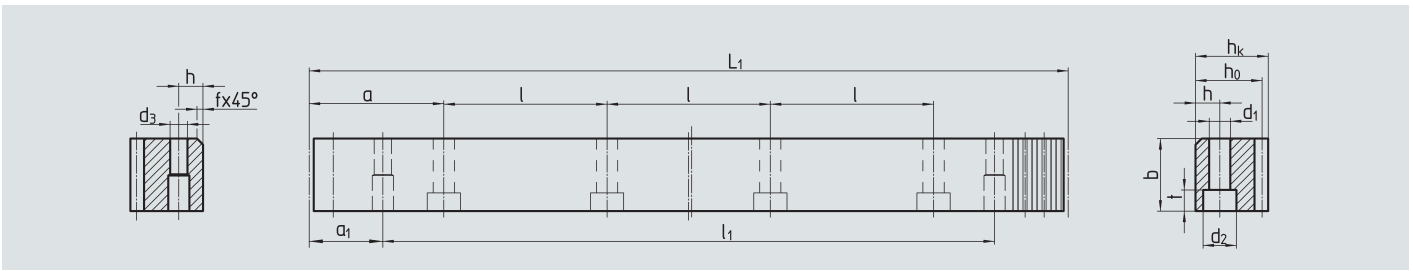
To achieve precision rack joints, we recommend our patented rack assembly kit, see page C-96.

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
28 20 025	2	251.30	40	24	24	22.0	2	62.8	125.66	2	8	7	11	7	31.3	188.7	5.7	1.00
28 20 050 ²⁾	2	502.70	80	24	24	22.0	2	62.8	125.66	4	8	7	11	7	31.3	440.1	5.7	2.10
28 21 050	2	502.70	80	24	24	22.0	2	without mounting holes										2.10
28 20 100	2	1005.30	160	24	24	22.0	2	62.8	125.66	8	8	7	11	7	31.4	942.7	5.7	4.20
28 21 100	2	1005.30	160	24	24	22.0	2	without mounting holes										4.20
28 30 025	3	254.50	27	29	29	26.0	2	63.6	127.23	2	9	10	15	9	34.4	185.7	7.7	1.50
28 30 050 ²⁾	3	508.90	54	29	29	26.0	2	63.6	127.23	4	9	10	15	9	34.4	440.1	7.7	3.00
28 31 050	3	508.90	54	29	29	26.0	2	without mounting holes										3.00
28 30 100	3	1017.90	108	29	29	26.0	2	63.6	127.23	8	9	10	15	9	34.4	949.1	7.7	6.00
28 31 100	3	1017.90	108	29	29	26.0	2	without mounting holes										6.00
28 40 050 ²⁾	4	502.70	40	39	39	35.0	2	62.8	125.66	4	12	10	15	9	37.5	427.7	7.7	5.30
28 41 050	4	502.70	40	39	39	35.0	2	without mounting holes										5.30
28 42 050	4	502.40	40	39	39	35.0	2	62.8	125.66	4	12	14	15	9	37.5	427.7	7.7	5.30
28 40 100	4	1005.30	80	39	39	35.0	2	62.8	125.66	8	12	10	15	9	37.5	930.3	7.7	10.50
28 41 100	4	1005.30	80	39	39	35.0	2	without mounting holes										10.50
28 42 100	4	1005.30	80	39	39	35.0	2	62.8	125.66	8	12	14	20	13	37.5	930.3	11.7	10.50

2) Due to the screw connection, the feed force is max. 50 % of the value for racks with $L_1 = 1,000$ mm

Total Pitch Error:

- $GT_f / 250 \leq 0.020$ mm
- $GT_f / 500 \leq 0.026$ mm
- $GT_f / 1000 \leq 0.034$ mm

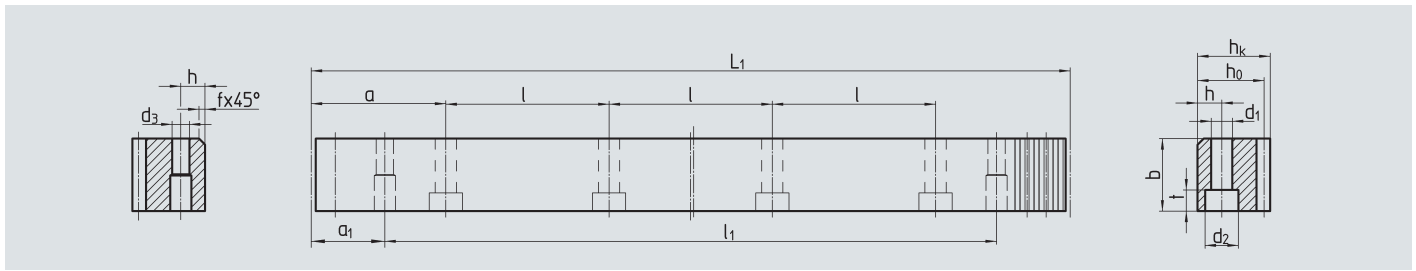
- ⊗ Teeth hardened with the ATLANTA High-Performance hardening process and ground
- ⊗ Heat-treatable steel according to ATLANTA-Standard
- ⊗ Ground on all sides after hardening

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
28 20 105	2	1005.30	160	24	24	22.0	2	62.8	125.66	8	8	7	11	7	31.4	942.70	5.7	4.20
28 21 105	2	1005.30	160	24	24	22.0	2	without mounting holes										4.20
28 20 205	2	2010.62	320	24	24	22.0	2	62.8	125.66	16	8	7	11	7	31.4	1948.00	5.7	8.40
28 21 205	2	2010.62	320	24	24	22.0	2	without mounting holes										8.40
28 30 105	3	1017.90	108	29	29	26.0	2	63.6	127.23	8	9	10	15	9	34.4	949.10	7.7	6.00
28 31 105	3	1017.90	108	29	29	26.0	2	without mounting holes										6.00
28 30 205	3	2035.75	216	29	29	26.0	2	63.6	127.23	16	9	10	15	9	34.4	1967.00	7.7	12.00
28 31 205	3	2035.75	216	29	29	26.0	2	without mounting holes										12.00
28 40 105	4	1005.30	80	39	39	35.0	2	62.8	125.66	8	12	10	15	9	37.5	930.30	7.7	10.50
28 41 105	4	1005.30	80	39	39	35.0	2	without mounting holes										10.50
28 42 105	4	1005.30	80	39	39	35.0	2	62.8	125.66	8	12	14	20	13	37.5	930.30	11.7	10.50
28 40 205	4	2010.62	160	39	39	35.0	2	62.8	125.66	16	12	10	15	9	37.5	1935.60	7.7	21.00
28 41 205	4	2010.62	160	39	39	35.0	2	without mounting holes										21.00
28 42 205	4	2010.62	160	39	39	35.0	2	62.8	125.66	16	12	14	20	13	37.5	1935.60	11.7	21.00
28 50 105	5	1005.30	64	49	39	34	2.5	62.8	125.66	8	12	14	20	13	30.1	945.00	11.7	13.40
28 51 105	5	1005.30	64	49	39	34	2.5	without mounting holes										13.40
28 50 205	5	2010.62	128	49	39	34	2.5	62.8	125.66	16	12	14	20	13	30.1	1950.40	11.7	26.80
28 51 205	5	2010.62	128	49	39	34	2.5	without mounting holes										26.80
28 60 105	6	1017.88	54	59	49	43	2.5	63.6	127.23	8	16	18	26	17	31.4	955.00	15.7	18.50
28 61 205	6	1017.88	54	59	49	43	2.5	without mounting holes										18.50
28 60 205	6	2035.75	108	59	49	43	2.5	63.6	127.23	16	16	18	26	17	31.4	1973.00	15.7	37.00
28 61 205	6	2035.75	108	59	49	43	2.5	without mounting holes										37.00
28 80 105	8	1005.30	40	79	79	71	2.5	62.8	125.66	8	25	22	33	21	26.6	952.00	19.7	44.76
28 81 105	8	1005.30	40	79	79	71	2.5	without mounting holes										44.76
28 80 205	8	2010.61	80	79	79	71	2.5	62.8	125.66	16	25	22	33	21	26.6	1957.30	19.7	89.50
28 81 205	8	2010.61	80	79	79	71	2.5	without mounting holes										89.50
28 10 105 ¹⁾	10	1005.30	32	99	99	89	2.5	62.83	125.66	8	32	33	48	32	125.66	753.96	19.7	68.72
28 11 105 ¹⁾	10	1005.30	32	99	99	89	2.5	without mounting holes										68.72
28 12 105 ¹⁾	12	1017.90	27	120	120	108	2.5	63.60	127.23	8	40	39	58	38	127.23	763.40	19.7	111.00
28 13 105 ¹⁾	12	1017.90	27	120	120	108	2.5	without mounting holes										120.00

1) On request

Other lengths available on request

Total Pitch Error: $GT_f/1000 \leq 0.034 \text{ mm}$
 $GT_f/1500 \leq 0.041 \text{ mm} (\pm 0.027 \text{ mm} / 1000)$
 $GT_f/2000 \leq 0.044 \text{ mm} (\pm 0.022 \text{ mm} / 1000)$

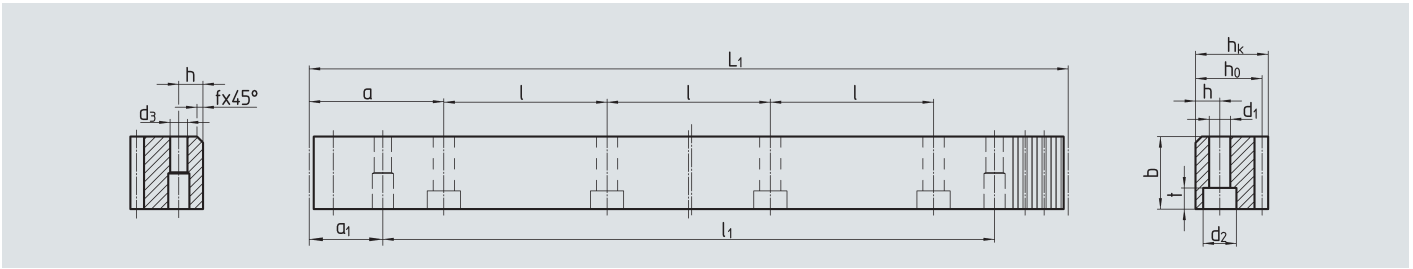
- ⊗ Teeth hardened with the ATLANTA High-Performance hardening process and ground
- ⊗ Heat-treatable steel according to ATLANTA-Standard
- ⊗ Ground on all sides after hardening

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 7



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
28 20 107	2	1005.30	160	24	24	22	2	62.8	125.66	8	8	7	11	7	31.4	942.7	5.7	4.20
28 20 207	2	2010.60	320	24	24	22	2	62.8	125.66	16	8	7	11	7	31.4	1948.0	5.7	8.40
28 30 107	3	1017.90	108	29	29	26	2	63.6	127.23	8	9	10	15	9	34.4	949.1	7.7	6.00
28 30 207	3	2035.70	216	29	29	26	2	63.6	127.23	16	9	10	15	9	34.4	1967.0	7.7	12.00
28 40 107	4	1005.30	80	39	39	35	2	62.8	125.66	8	12	14	20	13	37.5	930.3	11.7	10.50
28 40 207	4	2010.60	160	39	39	35	2	62.8	125.66	16	12	14	20	13	37.5	1935.6	11.7	21.00
28 50 107	5	1005.30	64	49	39	34	2.5	62.8	125.66	8	12	14	20	13	30.1	945.0	11.7	13.40
28 50 207	5	2010.60	128	49	39	34	2.5	62.8	125.66	16	12	14	20	13	30.1	1950.4	11.7	26.80

Other lengths and without mounting holes available on request

Total Pitch Error: $GT_f/1000 \leq 0.052 \text{ mm}$
 $GT_f/2000 \leq 0.068 \text{ mm} (\approx 0.034 \text{ mm} / 1000)$

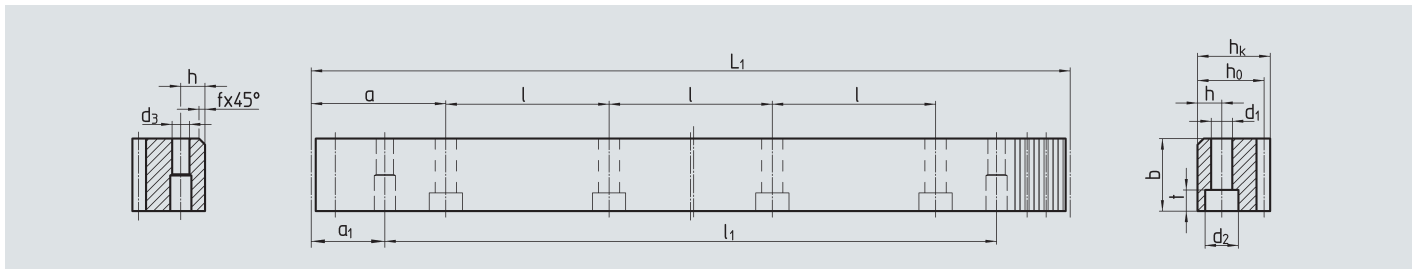
- ⊗ Teeth hardened with the ATLANTA High-Performance hardening process and ground
- ⊗ Heat-treatable steel according to ATLANTA-Standard
- ⊗ Ground on all sides after hardening

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 8



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
28 20 108	2	1005.30	160	24	24	22	2	62.8	125.66	8	8	7	11	7	31.3	942.7	5.7	4.20
28 20 208	2	2010.62	320	24	24	22	2	62.8	125.66	16	8	7	11	7	31.3	1948.0	5.7	8.40
28 30 108	3	1017.90	108	29	29	26	2	63.6	127.23	8	9	10	15	9	34.4	949.1	7.7	6.00
28 30 208	3	2035.75	216	29	29	26	2	63.6	127.23	16	9	10	15	9	34.4	1967.0	7.7	12.00
28 40 108	4	1005.30	80	39	39	35	2	62.8	125.66	8	12	14	20	13	37.5	930.3	11.7	10.50
28 40 208	4	2010.62	160	39	39	35	2	62.8	125.66	16	12	14	20	13	37.5	1935.6	11.7	21.00
28 50 108	5	1005.30	64	49	39	34	2.5	62.8	125.66	8	12	14	20	13	30.2	945.0	11.7	13.40
28 50 208	5	2010.62	128	49	39	34	2.5	62.8	125.66	16	12	14	20	13	30.2	1950.4	11.7	26.80

Other lengths and without mounting holes available on request

Total Pitch Error: $GT_f/1000 \leq 0.060 \text{ mm}$
 $GT_f/2000 \leq 0.078 \text{ mm} (\cong 0.039 \text{ mm} / 1000)$

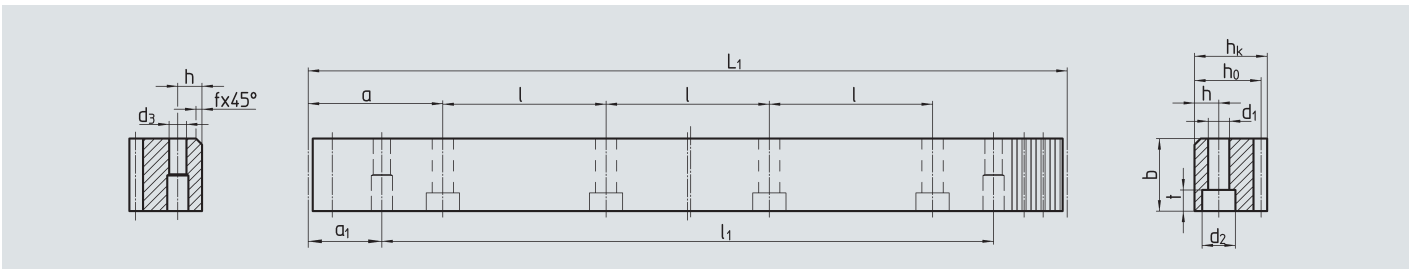
- ⊗ Teeth hardened with the ATLANTA High-Performance hardening process and ground
- ⊗ Heat-treatable steel according to ATLANTA-Standard
- ⊗ Ground on all sides after hardening


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 8



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	
33 21 050 ²⁾	2	502.65	80	25	24	22	2	62.83	125.66	4	8	7	11	7	31.3	440.1	5.7	2.20
33 21 100	2	1005.31	160	25	24	22	2	62.83	125.66	8	8	7	11	7	31.3	942.7	5.7	4.30
33 20 100	2	1005.31	160	25	24	22	2	without mounting holes										4.30
33 21 200	2	2010.62	320	25	24	22	2	62.83	125.66	16	8	7	11	7	31.3	1948.0	5.7	8.60
33 20 200	2	2010.62	320	25	24	22	2	without mounting holes										8.60
33 31 050 ²⁾	3	508.94	54	30	29	26	2	63.62	127.23	4	9	10	15	9	34.4	440.1	7.7	3.10
33 31 100	3	1017.88	108	30	29	26	2	63.62	127.23	8	9	10	15	9	34.4	949.1	7.7	6.20
33 30 100	3	1017.88	108	30	29	26	2	without mounting holes										6.20
33 31 200	3	2035.75	216	30	29	26	2	63.62	127.23	16	9	10	15	9	34.4	1967.0	7.7	12.40
33 30 200	3	2035.75	216	30	29	26	2	without mounting holes										12.40
33 41 100	4	1005.31	80	40	39	35	2	62.83	125.66	8	12	10	15	9	37.5	930.3	7.7	11.00
33 40 100	4	1005.31	80	40	39	35	2	without mounting holes										11.00
33 41 200	4	2010.62	160	40	39	35	2	62.83	125.66	16	12	10	15	9	37.5	1935.6	7.7	22.00
33 40 200	4	2010.62	160	40	39	35	2	without mounting holes										22.00

2) Due to the screw connection, the feed force is max. 50 % of the value for racks with $L_1 = 1,000$ mm

Total Pitch Error:
 $GT_f / 500 \leq 0.050$ mm
 $GT_f / 1000 \leq 0.100$ mm
 $GT_f / 2000 \leq 0.200$ mm

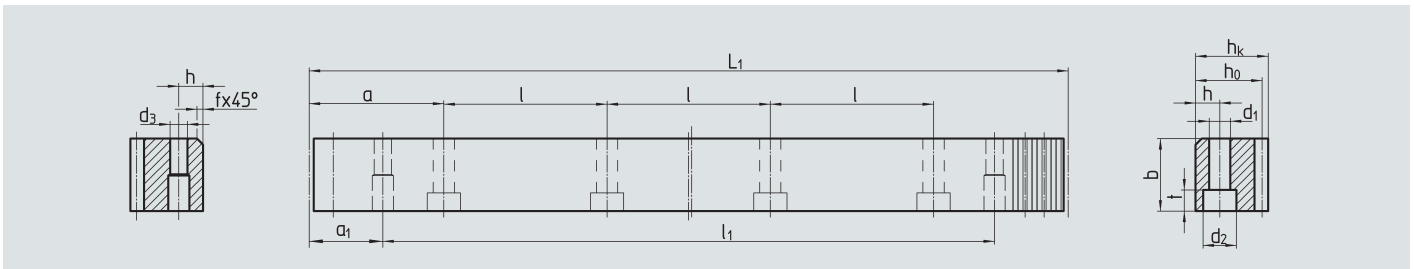
- ⊗ Teeth quenched & tempered, milled
- ⊗ Heat-treatable steel according to ATLANTA-Standard
- ⊗ Bright steel, backside machined

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 10



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
34 93 100	1	999.06	318	15	15	14	2			without mounting holes								1.64
34 16 100	1.5	999.03	212	17	17	15.5	2			without mounting holes								2.06
34 16 200	1.5	1998.05	424	17	17	15.5	2			without mounting holes								4.12
34 20 050 ²⁾	2	502.65	80	25	24	22	2	62.83	125.66	4	8	7	11	7	31.3	440.1	5.7	2.10
34 21 050	2	502.65	80	25	24	22	2			without mounting holes								2.10
34 20 100	2	1005.31	160	25	24	22	2	62.83	125.66	8	8	7	11	7	31.3	942.7	5.7	4.20
34 21 100	2	1005.31	160	25	24	22	2			without mounting holes								4.20
34 20 200	2	2010.62	320	25	24	22	2	62.83	125.66	16	8	7	11	7	31.3	1948.0	5.7	8.40
34 21 200	2	2010.62	320	25	24	22	2			without mounting holes								8.40
34 30 050	3	508.94	54	30	29	26	2	63.62	127.23	4	9	10	15	9	34.4	440.1	7.7	3.00
34 31 050	3	508.94	54	30	29	26	2			without mounting holes								3.00
34 30 100	3	1017.88	108	30	29	26	2	63.62	127.23	8	9	10	15	9	34.4	949.1	7.7	6.00
34 31 100	3	1017.88	108	30	29	26	2			without mounting holes								6.00
34 30 200	3	2035.75	216	30	29	26	2	63.62	127.23	16	9	10	15	9	34.4	1967	7.7	12.00
34 31 200	3	2035.75	216	30	29	26	2			without mounting holes								12.00
34 40 050 ²⁾	4	502.65	40	40	39	35	2	62.83	125.66	4	12	10	15	9	37.5	427.7	7.7	5.30
34 40 100	4	1005.31	80	40	39	35	2	62.83	125.66	8	12	10	15	9	37.5	930.3	7.7	10.20
34 41 100	4	1005.31	80	40	39	35	2			without mounting holes								10.20
34 42 100	4	1005.31	80	40	39	35	2	62.83	125.66	8	12	14	20	13	37.5	930.3	11.7	10.20
34 42 150	4	1507.96	120	40	39	35	2	62.83	125.66	12	12	14	20	13	37.5	1432.9	11.7	15.80
34 40 200	4	2010.62	160	40	39	35	2	62.83	125.66	16	12	10	15	9	37.5	1935.6	7.7	20.50
34 41 200	4	2010.62	160	40	39	35	2			without mounting holes								20.50
34 42 200	4	2010.62	160	40	39	35	2	62.83	125.66	16	12	14	20	13	37.5	1935.6	11.7	20.50
34 50 100	5	1005.31	64	50	39	34	2.5	62.83	125.66	8	12	14	20	13	30.2	945.0	11.7	13.80
34 51 100	5	1005.31	64	50	39	34	2.5			without mounting holes								13.80
34 50 200	5	2010.62	128	50	39	34	2.5	62.83	125.66	16	12	14	20	13	30.2	1950.3	11.7	27.50
34 51 200	5	2010.62	128	50	39	34	2.5			without mounting holes								27.50
34 60 100	6	1017.88	54	60	49	43	2.5	63.62	127.23	8	16	18	26	17	31.4	955.0	15.7	21.00
34 61 100	6	1017.88	54	60	49	43	2.5			without mounting holes								21.00
34 60 200	6	2035.75	108	60	49	43	2.5	63.62	127.23	16	16	18	26	17	31.4	1972.9	15.7	42.00
34 61 200	6	2035.75	108	60	49	43	2.5			without mounting holes								42.00
34 81 100	8	1005.31	40	80	79	71	2.5			without mounting holes								44.63
34 81 200	8	2010.61	80	80	79	71	2.5			without mounting holes								82.26
34 11 100	10	1005.30	32	100	99	89	2.5			without mounting holes								70.60
34 13 100	12	1017.88	27	120	120	108	2.5			without mounting holes								110.00

2) Due to the screw connection, the feed force is max. 50 % of the value for racks with $L_1 = 1,000$ mm

Total Pitch Error:
 $GT_f / 500 \leq 0.100$ mm
 $GT_f / 1000 \leq 0.200$ mm
 $GT_f / 1500 \leq 0.300$ mm
 $GT_f / 2000 \leq 0.400$ mm

- ⊗ Teeth hardened with the ATLANTA high performance hardening process
- ⊗ Heat-treatable steel according to ATLANTA-Standard
- ⊗ Bright steel

For further information, see previous page.