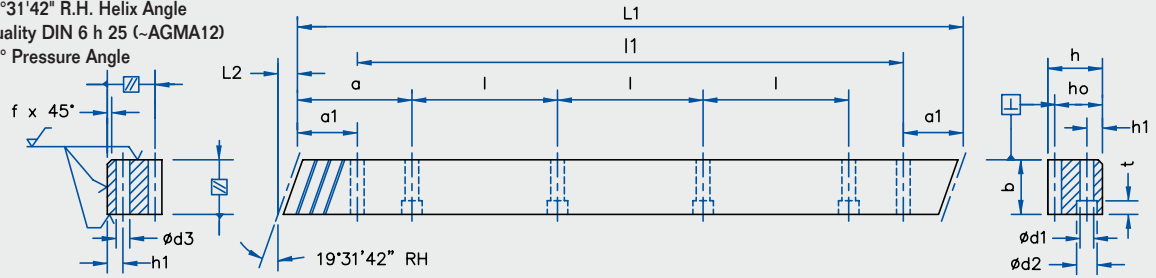


MODULAR RACK & PINION SYSTEM

SERIES A11

Case Hardened & Ground Teeth
 19°31'42" R.H. Helix Angle
 Quality DIN 6 h 25 (-AGMA12)
 20° Pressure Angle



RACKS WITH RH HELICAL TEETH

Module	L1	L2	teeth	b	h	h _o	f	l1	a	l	No. holes	h1	d1	d2	t	a1	d3	Fp	mass kg.	Part No.
1.5	500	6.7	100	19	19	17.5	2	436.6	62.5	125	4	8	7	11	7	31.7	5.7	0.029	1.3	A11-1.50-050
1.5	500	6.7	100	19	19	17.5	2				without holes							0.029	1.3	A11-1.51-050
1.5	1000	6.7	200	19	19	17.5	2	936.6	62.5	125	8	8	7	11	7	31.7	5.7	0.043	2.6	A11-1.50-100
1.5	1000	6.7	200	19	19	17.5	2				without holes							0.043	2.6	A11-1.51-100
1.5	Companion Rack for assembly																			A11-1.51-999
2.0	500	8.5	75	24	24	22	2	436.6	62.5	125	4	8	7	11	7	31.7	5.7	0.025	2.1	A11-020-050
2.0	500	8.5	75	24	24	22	2				without holes							0.025	2.1	A11-021-050
2.0	1000	8.5	150	24	24	22	2	936.6	62.5	125	8	8	7	11	7	31.7	5.7	0.036	4.2	A11-020-100
2.0	1000	8.5	150	24	24	22	2				without holes							0.036	4.2	A11-021-100
2.0	Companion Rack for assembly																			A11-021-999
2.5	500	8.5	60	24	24	21.5	2	436.6	62.5	125	4	9	7	11	7	31.7	5.7	0.027	2.0	A11-2.50-050
2.5	500	8.5	60	24	24	21.5	2				without holes							0.027	2.0	A11-2.51-050
2.5	1000	8.5	120	24	24	21.5	2	936.6	62.5	125	8	9	7	11	7	31.7	5.7	0.036	4.1	A11-2.50-100
2.5	1000	8.5	120	24	24	21.5	2				without holes							0.036	4.1	A11-2.51-100
2.5	Companion Rack for assembly																			A11-2.51-999
3.0	500	10.3	50	29	29	26	2	430	62.5	125	4	9	10	15	9	35	7.7	0.028	3.0	A11-030-050
3.0	500	10.3	50	29	29	26	2				without holes							0.028	3.0	A11-031-050
3.0	1000	10.3	100	29	29	26	2	930	62.5	125	8	9	10	15	9	35	7.7	0.037	5.9	A11-030-100
3.0	1000	10.3	100	29	29	26	2				without holes							0.037	5.9	A11-031-100
3.0	Companion Rack for assembly																			A11-031-999
4.0	506.67	13.8	38	39	39	35	3	433	62.5	125	4	12	10	15	9	33.3	7.7	0.030	5.4	A11-040-050
4.0	506.67	13.8	38	39	39	35	3				without holes							0.030	5.4	A11-041-050
4.0	1000	13.8	75	39	39	35	3	933.4	62.5	125	8	12	10	15	9	33.3	7.7	0.036	10.7	A11-040-100
4.0	1000	13.8	75	39	39	35	3				without holes							0.036	10.7	A11-041-100
4.0	Companion Rack for assembly																			A11-041-999
5.0	500	17.4	30	49	49	34	3	425	62.5	125	4	12	14	20	13	37.5	11.7	0.028	6.5	A11-050-050
5.0	500	17.4	30	49	49	34	3				without holes							0.028	6.5	A11-051-050
5.0	1000	17.4	60	49	49	34	3	925	62.5	125	8	12	14	20	13	37.5	11.7	0.034	13.1	A11-050-100
5.0	1000	17.4	60	49	49	34	3				without holes							0.034	13.1	A11-051-100
5.0	Companion Rack for assembly																			A11-051-999
6.0	500	20.9	25	59	59	43	3	425	62.5	125	4	16	18	26	17	37.5	15.7	0.031	10.0	A11-060-050
6.0	500	20.9	25	59	59	43	3				without holes							0.031	10.0	A11-061-050
6.0	1000	20.9	50	59	59	43	3	925	62.5	125	8	16	18	26	17	37.5	15.7	0.036	19.9	A11-060-100
6.0	1000	20.9	50	59	59	43	3				without holes							0.036	19.9	A11-061-100
6.0	Companion Rack for assembly																			A11-061-999
8.0	480	28	18	79	79	71	3	240	60.0	120	4	25	22	33	21	120.0	19.7	0.029	22.0	A11-080-050
8.0	480	28	18	79	79	71	3				without holes							0.029	22.0	A11-081-050
8.0	960	28	36	79	79	71	3	720	60.0	120	8	25	22	33	21	120.0	19.7	0.033	44.0	A11-080-100
8.0	960	28	36	79	79	71	3				without holes							0.033	44.0	A11-081-100
8.0	Companion Rack for assembly																			A11-081-999
10.0	1000	35.11	30	99	99	89	3	750	62.5	125	8	32	33	48	32	125	19.7	0.04	69	A11-100-100
10.0	1000	35.11	30	99	99	89	3				without holes							0.04	69	A11-101-100
10.0	Companion Rack for assembly																			A11-101-999

Material AISI 1045 (C45) with tensile strength = 650 N/mm² (95,000 PSI). Teeth induction hardened to 50-55 Rc; ground on all sides after hardening. (Alternate material modules 2-4 AISI 5115 (16MnCr5) hardened to 60 Rc). Only teeth are hardened allowing subsequent drilling and pinning of rack. Rack ends are machined for continuous mounting.

Fp is the max cumulative pitch error for the corresponding rack length.

Dimensions are in mm and are subject to change - consult factory.