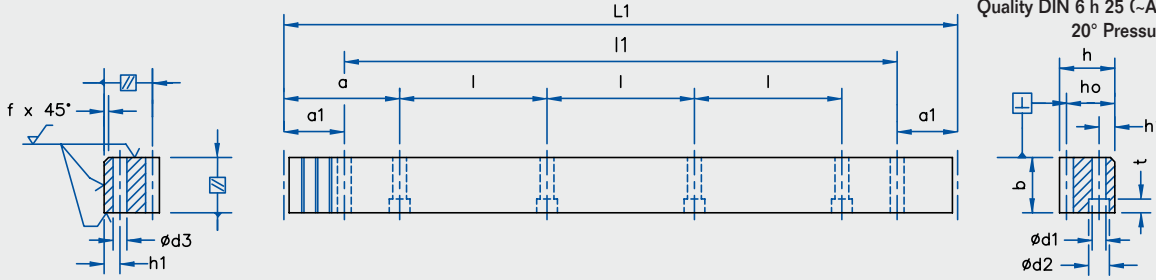


MODULAR RACK & PINION SYSTEM

RACKS WITH STRAIGHT (SPUR) TEETH

SERIES A10

Case Hardened & Ground Teeth
Quality DIN 6 h 25 (-AGMA12)
20° Pressure Angle



Module	L1	l1	teeth	b	h	ho	f	a	l	No. holes	h1	d1	d2	t	a1	d3	Fp	mass kg.	Part No.
1.5	499.51	441.5	106	19	19	17.5	2	62.44	124.88	4	8	7	11	7	29	5.7	0.029	1.3	A10-1.50-050
1.5	499.51	441.5	106	19	19	17.5	2			without holes							0.029	1.3	A10-1.51-050
1.5	999.03	941	212	19	19	17.5	2	62.44	124.88	8	8	7	11	7	29	5.7	0.043	2.6	A10-1.50-100
1.5	999.03	941	212	19	19	17.5	2			without holes							0.043	2.6	A10-1.51-100
1.5	Companion Rack for assembly																		A10-1.51-999
2.0	502.7	440.1	80	24	24	22	2	62.83	125.66	4	8	7	11	7	31.3	5.7	0.025	2.1	A10-020-050
2.0	502.7	440.1	80	24	24	22	2			without holes							0.025	2.1	A10-021-050
2.0	1005.3	942.7	160	24	24	22	2	62.83	125.66	8	8	7	11	7	31.3	5.7	0.036	4.2	A10-020-100
2.0	1005.3	942.7	160	24	24	22	2			without holes							0.036	4.2	A10-021-100
2.0	Companion Rack for assembly																		A10-021-999
2.5	502.65	440.1	64	24	24	21.5	2	62.83	125.66	4	9	7	11	7	31.3	5.7	0.027	2.0	A10-2.50-050
2.5	502.65	440.1	64	24	24	21.5	2			without holes							0.027	2.0	A10-2.51-050
2.5	1005.31	942.7	128	24	24	21.5	2	62.83	125.66	8	9	7	11	7	31.3	5.7	0.036	4.1	A10-2.50-100
2.5	1005.31	942.7	128	24	24	21.5	2			without holes							0.036	4.1	A10-2.51-100
2.5	Companion Rack for assembly																		A10-2.51-999
3.0	508.9	440.1	54	29	29	26	2	63.62	127.23	4	9	10	15	9	34.4	7.7	0.029	3	A10-030-050
3.0	508.9	440.1	54	29	29	26	2			without holes							0.029	3	A10-031-050
3.0	1017.9	949.1	108	29	29	26	2	63.62	127.23	8	9	10	15	9	34.4	7.7	0.037	6	A10-030-100
3.0	1017.9	949.1	108	29	29	26	2			without holes							0.037	6	A10-031-100
3.0	Companion Rack for assembly																		A10-031-999
4.0	502.7	427.7	40	39	39	35	3	62.83	125.66	4	12	10	15	9	37.5	7.7	0.030	5.4	A10-040-050
4.0	502.7	427.7	40	39	39	35	3			without holes							0.030	5.4	A10-041-050
4.0	1005.3	930.3	80	39	39	35	3	62.83	125.66	8	12	10	15	9	37.5	7.7	0.037	10.8	A10-040-100
4.0	1005.3	930.3	80	39	39	35	3			without holes							0.037	10.8	A10-041-100
4.0	Companion Rack for assembly																		A10-041-999
5.0	502.6	442.3	32	49	39	34	3	62.83	125.66	4	12	14	20	13	30.2	11.7	0.028	6.6	A10-050-050
5.0	502.6	442.3	32	49	39	34	3			without holes							0.028	6.6	A10-051-050
5.0	1005.3	944.9	64	49	39	34	3	62.83	125.66	8	12	14	20	13	30.2	11.7	0.034	13.1	A10-050-100
5.0	1005.3	944.9	64	49	39	34	3			without holes							0.034	13.1	A10-051-100
5.0	Companion Rack for assembly																		A10-051-999
6.0	508.9	446.1	27	59	49	43	3	63.62	127.23	4	16	18	26	17	31.4	15.7	0.031	10.1	A10-060-050
6.0	508.9	446.1	27	59	49	43	3			without holes							0.031	10.1	A10-061-050
6.0	1017.8	955	54	59	49	43	3	63.62	127.23	8	16	18	26	17	31.4	15.7	0.036	20.3	A10-060-100
6.0	1017.8	955	54	59	49	43	3			without holes							0.036	20.3	A10-061-100
6.0	Companion Rack for assembly																		A10-061-999
8.0	502.65	449.3	20	79	79	71.0	3	62.83	125.66	4	25	22	33	21	26.7	19.7	0.029	22.1	A10-080-050
8.0	502.65	449.3	20	79	79	71.0	3			without holes							0.029	22.1	A10-081-050
8.0	1005.3	952	40	79	79	71.0	3	62.83	125.66	8	25	22	33	21	26.7	19.7	0.033	44.3	A10-080-100
8.0	1005.3	952	40	79	79	71.0	3			without holes							0.033	44.3	A10-081-100
8.0	Companion Rack for assembly																		A10-081-999
10.0	1005.3	755	32	99	99	89	3	62.83	125.66	8	32	33	48	32	125.2	19.7	0.04	69	A10-100-100
10.0	1005.3	755	32	99	99	89	3			without holes							0.04	69	A10-101-100
10.0	Companion Rack for assembly																		A10-101-999

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.