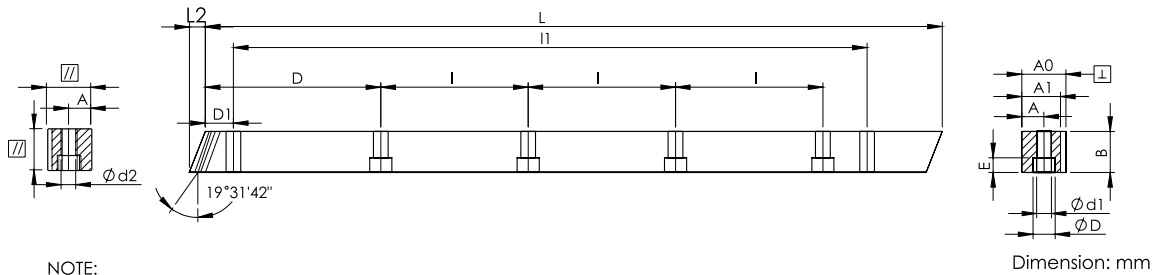




KCHRGH-DIN6



NOTE:
 1) ALL THE SURFACES IN THE LEFT AND RIGHT VIEW ARE TRUE.
 2) ALL SURFACES HAVE Ra 0.8 SURFACE FINISH.
 3) ALL THE SURFACES ARE GROUND.

Dimension: mm

Helical

DIN

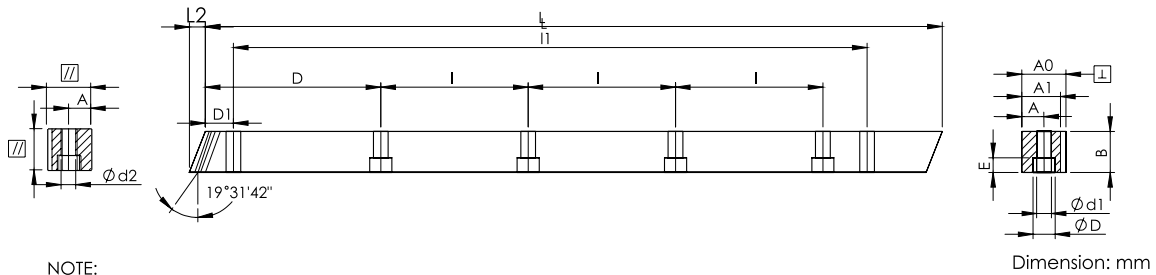
Series KCHRGH-DIN6 Helical Teeth Ground Racks
 Quality Grade DIN 6

Material S50C
 Right Hand Angle 19°31'42"
 Hardness: HRC 50~55°
 Ground on all sides after hardening.
 Total Pitch Error: $F_p / 1000 \leq 0.036 \text{ mm}$
 $F_p / 2000 \leq 0.047 \text{ mm} (\leq 0.024 / 1000 \text{ mm})$

Code	Module	L	L2	No. of Teeth	B	A0	A1	D	I	No. of Holes	A	ød1	øD	E	D1	I1	ød2	f	F _{ta} kN	KG
KCHRGH01505-DIN6	1.5	500.00	6.70	100	19	19	17.5	62.5	125	4	8	7	11	7	31.7	436.60	5.7	1.5	4.84	1.3
KCHRGH01510-DIN6	1.5	1000.00	6.70	200	19	19	17.5	62.5	125	8	8	7	11	7	31.7	936.60	5.7	1.5	4.84	2.6
KCHRGH02005-DIN6	2	500.00	8.50	75	24	24	22.0	62.5	125	4	8	7	11	7	31.7	436.60	5.7	2	8.15	2.1
KCHRGH02010-DIN6	2	1000.00	8.50	150	24	24	22.0	62.5	125	8	8	7	11	7	31.7	936.60	5.7	2	8.15	4.1
KCHRGH02020-DIN6	2	2000.00	8.50	300	24	24	22.0	62.5	125	16	8	7	11	7	31.7	1936.60	5.7	2	8.15	8.2
KCHRGH02505-DIN6	2.5	500.00	8.50	60	24	24	21.5	62.5	125	4	9	7	11	7	31.7	436.60	5.7	2	10.19	2.1
KCHRGH02510-DIN6	2.5	1000.00	8.50	120	24	24	21.5	62.5	125	8	9	7	11	7	31.7	936.60	5.7	2	10.19	4.1
KCHRGH02520-DIN6	2.5	2000.00	8.50	240	24	24	21.5	62.5	125	16	9	7	11	7	31.7	1936.60	5.7	2	10.19	8.2
KCHRGH03005-DIN6	3	500.00	10.30	50	29	29	26.0	62.5	125	4	9	10	15	9	35.0	430.00	7.7	2	14.77	3.0
KCHRGH03010-DIN6	3	1000.00	10.30	100	29	29	26.0	62.5	125	8	9	10	15	9	35.0	930.00	7.7	2	14.77	6.0
KCHRGH03020-DIN6	3	2000.00	10.30	200	29	29	26.0	62.5	125	16	9	10	15	9	35.0	1930.00	7.7	2	14.77	12.0
KCHRGH04005-DIN6	4	506.67	13.80	38	39	39	35.0	62.5	125	4	12	10	15	9	33.3	433.00	7.7	2	26.49	5.5
KCHRGH04010-DIN6	4	1000.00	13.80	75	39	39	35.0	62.5	125	8	12	10	15	9	33.3	933.40	7.7	2	26.49	10.8
KCHRGH04020-DIN6	4	2000.00	13.80	150	39	39	35.0	62.5	125	16	12	10	15	9	33.3	1933.40	7.7	2	26.49	21.6
KCHRGH05005-DIN6	5	500.00	17.40	30	49	39	34.0	62.5	125	4	12	14	20	13	37.5	425.00	11.7	3	41.60	6.8
KCHRGH05010-DIN6	5	1000.00	17.40	60	49	39	34.0	62.5	125	8	12	14	20	13	37.5	925.00	11.7	3	41.60	13.6
KCHRGH05020-DIN6	5	2000.00	17.40	120	49	39	34.0	62.5	125	16	12	14	20	13	37.5	1925.00	11.7	3	41.60	27.2
KCHRGH06005-DIN6	6	500.00	20.90	25	59	49	43.0	62.5	125	4	16	18	26	17	37.5	425.00	15.7	3	60.11	10.3
KCHRGH06010-DIN6	6	1000.00	20.90	50	59	49	43.0	62.5	125	8	16	18	26	17	37.5	925.00	15.7	3	60.11	20.5
KCHRGH06020-DIN6	6	2000.00	20.90	100	59	49	43.0	62.5	125	16	16	18	26	17	37.5	1925.00	15.7	3	60.11	41.1
KCHRGH08005-DIN6	8	480.00	28.00	18	79	79	71.0	60.0	120	4	25	22	33	21	120.0	240.00	19.7	4	107.31	21.3
KCHRGH08010-DIN6	8	960.00	28.00	36	79	79	71.0	60.0	120	8	25	22	33	21	120.0	720.00	19.7	4	107.31	42.6
KCHRGH08020-DIN6	8	1920.00	28.00	72	79	79	71.0	60.0	120	16	25	22	33	21	120.0	1680.00	19.7	4	107.31	85.1
KCHRGH10005-DIN6	10	500.00	35.11	15	99	99	89.0	62.5	125	4	32	33	48	32	125.0	250.00	19.7	5	168.10	34.8
KCHRGH10010-DIN6	10	1000.00	35.11	30	99	99	89.0	62.5	125	8	32	33	48	32	125.0	750.00	19.7	5	168.10	69.6



KAHRG-DIN6



NOTE:
 1) ALL THE SURFACES IN THE LEFT AND RIGHT VIEW ARE TRUE.
 2) ALL SURFACES HAVE Ra 0.8 SURFACE FINISH.
 3) ALL THE SURFACES ARE GROUND.

Dimension: mm

Series KAHRG-DIN6 Helical Teeth Ground Racks
 Quality Grade DIN 6

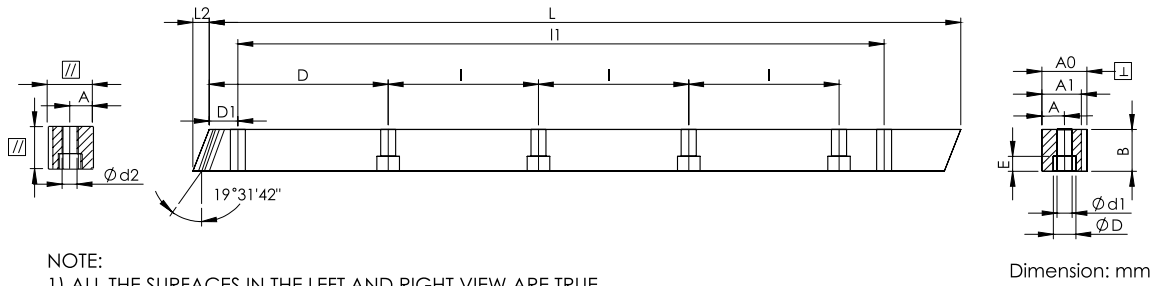
Material SCM440
 Right Hand Angle 19°31'42"
 Hardness: HRC 50~55°
 Ground on all sides.
 Total Pitch Error: $F_p / 1000 \leq 0.036$ mm
 $F_p / 2000 \leq 0.047$ mm ($\leq 0.024 / 1000$ mm)



Code	Module	L	L2	No. of Teeth	B	A0	A1	D	I	No. of Holes	A	ød1	øD	E	D1	I1	ød2	f	F _{ta} kN	KG
KAHRG01505-DIN6	1.5	500.00	6.70	100	19	19	17.5	62.5	125	4	8	7	11	7	31.7	436.60	5.7	1.5	0.94	1.3
KAHRG01510-DIN6	1.5	1000.00	6.70	200	19	19	17.5	62.5	125	8	8	7	11	7	31.7	936.60	5.7	1.5	0.94	2.6
KAHRG02005-DIN6	2	500.00	8.50	75	24	24	22.0	62.5	125	4	8	7	11	7	31.7	436.60	5.7	2	1.58	2.1
KAHRG02010-DIN6	2	1000.00	8.50	150	24	24	22.0	62.5	125	8	8	7	11	7	31.7	936.60	5.7	2	1.58	4.1
KAHRG02020-DIN6	2	2000.00	8.50	300	24	24	22.0	62.5	125	16	8	7	11	7	31.7	1936.60	5.7	2	1.58	8.2
KAHRG02505-DIN6	2.5	500.00	8.50	60	24	24	21.5	62.5	125	4	9	7	11	7	31.7	436.60	5.7	2	1.98	2.1
KAHRG02510-DIN6	2.5	1000.00	8.50	120	24	24	21.5	62.5	125	8	9	7	11	7	31.7	936.60	5.7	2	1.98	4.1
KAHRG02520-DIN6	2.5	2000.00	8.50	240	24	24	21.5	62.5	125	16	9	7	11	7	31.7	1936.60	5.7	2	1.98	8.2
KAHRG03005-DIN6	3	500.00	10.30	50	29	29	26.0	62.5	125	4	9	10	15	9	35.0	430.00	7.7	2	2.87	3.0
KAHRG03010-DIN6	3	1000.00	10.30	100	29	29	26.0	62.5	125	8	9	10	15	9	35.0	930.00	7.7	2	2.87	6.0
KAHRG03020-DIN6	3	2000.00	10.30	200	29	29	26.0	62.5	125	16	9	10	15	9	35.0	1930.00	7.7	2	2.87	12.0
KAHRG04005-DIN6	4	506.67	13.80	38	39	39	35.0	62.5	125	4	12	10	15	9	33.3	433.00	7.7	2	5.15	5.5
KAHRG04010-DIN6	4	1000.00	13.80	75	39	39	35.0	62.5	125	8	12	10	15	9	33.3	933.40	7.7	2	5.15	10.8
KAHRG04020-DIN6	4	2000.00	13.80	150	39	39	35.0	62.5	125	16	12	10	15	9	33.3	1933.40	7.7	2	5.15	21.6
KAHRG05005-DIN6	5	500.00	17.40	30	49	39	34.0	62.5	125	4	12	14	20	13	37.5	425.00	11.7	3	8.08	6.8
KAHRG05010-DIN6	5	1000.00	17.40	60	49	39	34.0	62.5	125	8	12	14	20	13	37.5	925.00	11.7	3	8.08	13.6
KAHRG05020-DIN6	5	2000.00	17.40	120	49	39	34.0	62.5	125	16	12	14	20	13	37.5	1925.00	11.7	3	8.08	27.2
KAHRG06005-DIN6	6	500.00	20.90	25	59	49	43.0	62.5	125	4	16	18	26	17	37.5	425.00	15.7	3	11.68	10.3
KAHRG06010-DIN6	6	1000.00	20.90	50	59	49	43.0	62.5	125	8	16	18	26	17	37.5	925.00	15.7	3	11.68	20.5
KAHRG06020-DIN6	6	2000.00	20.90	100	59	49	43.0	62.5	125	16	16	18	26	17	37.5	1925.00	15.7	3	11.68	41.1
KAHRG08005-DIN6	8	480.00	28.00	18	79	79	71.0	60.0	120	4	25	22	33	21	120.0	240.00	19.7	4	20.85	21.3
KAHRG08010-DIN6	8	960.00	28.00	36	79	79	71.0	60.0	120	8	25	22	33	21	120.0	720.00	19.7	4	20.85	42.6
KAHRG08020-DIN6	8	1920.00	28.00	72	79	79	71.0	60.0	120	16	25	22	33	21	120.0	1680.00	19.7	4	20.85	85.1



KCHRM-DIN8



- NOTE:
 1) ALL THE SURFACES IN THE LEFT AND RIGHT VIEW ARE TRUE.
 2) ALL SURFACES HAVE Ra 1.6 SURFACE FINISH.
 3) ALL THE SURFACES ARE MILLED.

Dimension: mm

Helical

DIN

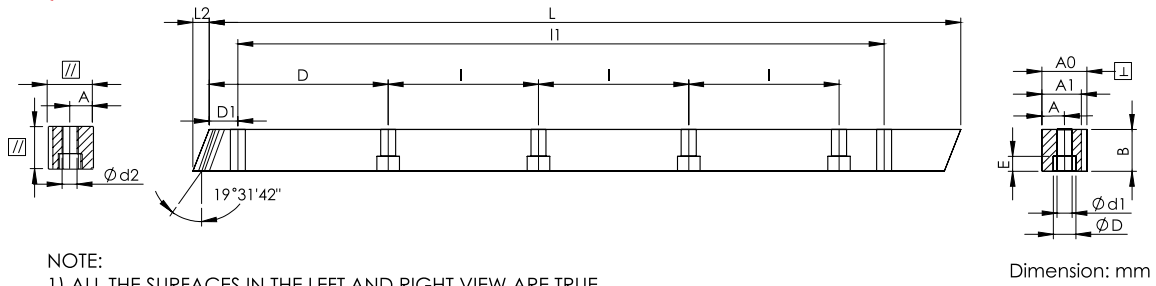
Series KCHRM-DIN8 Helical Milled Racks
 Quality Grade DIN 8

Material S50C
 Right Hand Angle 19°31'42"
 Hardness: HRC 50~55°
 Total Pitch Error: $F_p / 1000 \leq 0.060$ mm
 $F_p / 2000 \leq 0.080$ mm

Code	Module	L	L2	No. of Teeth	B	A0	A1	D	I	No. of Holes	A	ød1	øD	E	D1	I1	ød2	f	F _{ta} kN	KG
KCHRM01510-DIN8	1.5	1000	6.00	200	17	17	15.5	62.5	125	8	7	6	9.5	6	31.7	936.6	5.70	1.5	0.64	2.1
KCHRM02010-DIN8	2	1000	8.90	150	25	24	22	62.5	125	8	8	7	11	7	31.7	936.6	5.70	2	1.25	4.3
KCHRM03010-DIN8	3	1000	10.60	100	30	29	26	62.5	125	8	9	10	15	9	35.0	930.0	7.70	2	2.24	6.2
KCHRM04010-DIN8	4	1000	14.20	75	40	39	35	62.5	125	8	12	10	15	9	33.3	933.4	7.70	2	3.99	11.1
KCHRM05010-DIN8	5	1000	17.40	60	49	39	34	62.5	125	8	12	14	20	13	37.5	925.0	11.70	3	6.11	13.6
KCHRM06010-DIN8	6	1000	20.90	50	59	49	43	62.5	125	8	16	18	26	17	37.5	925.0	15.70	3	8.83	20.5
KCHRM08010-DIN8	8	960	28.00	36	79	79	71	60	120	8	25	22	33	21	120.0	720.0	19.70	4	15.76	42.6
KCHRM08020-DIN8	8	1920	28.00	72	79	79	71	60	120	16	25	22	33	21	120.0	1680.0	19.70	4	15.76	85.1
KCHRM10010-DIN8	10	1000	35.11	30	99	99	89	62.5	125	8	32	33	48	32	125.0	750.0	19.70	5	24.69	69.6



KCHRMQ-DIN8



- NOTE:
- 1) ALL THE SURFACES IN THE LEFT AND RIGHT VIEW ARE TRUE.
 - 2) ALL SURFACES HAVE Ra 1.6 SURFACE FINISH.
 - 3) ALL THE SURFACES ARE MILLED.

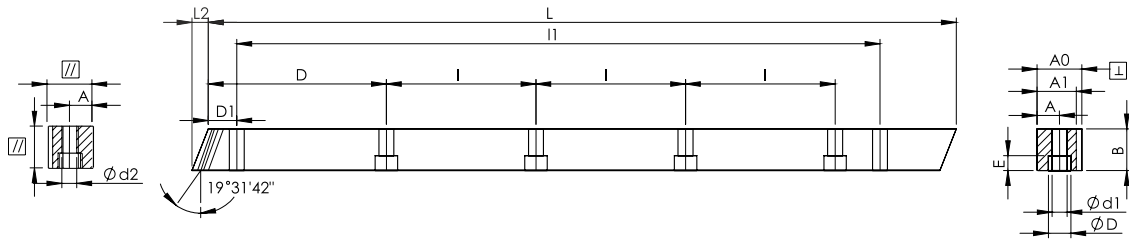
Series KCHRMQ-DIN8 Helical Milled Quenched and Tempered Racks
Quality Grade DIN 8

Material S50C
Right Hand Angle 19°31'42"
Hardness: HRC 50~55°
Total Pitch Error: $F_p / 1000 \leq 0.060$ mm
 $F_p / 2000 \leq 0.080$ mm

Code	Module	L	L2	No. of Teeth	B	A0	A1	D	I	No. of Holes	A	ød1	øD	E	D1	I1	ød2	f	F _{ta} kN	KG
KCHRMQ01510-DIN8	1.5	1000	6.00	200	17	17	15.5	62.5	125	8	7	6	9.5	7	31.7	936.6	5.7	1.5	0.88	2.1
KCHRMQ02010-DIN8	2	1000	8.90	150	25	24	22	62.5	125	8	8	7	11	7	31.7	936.6	5.7	2	1.73	4.3
KCHRMQ03010-DIN8	3	1000	10.60	100	30	29	26	62.5	125	8	9	10	15	9	35.0	930.0	7.7	2	3.11	6.2
KCHRMQ04010-DIN8	4	1000	14.20	75	40	39	35	62.5	125	8	12	10	15	9	33.3	933.4	7.7	2	5.52	11.1
KCHRMQ05010-DIN8	5	1000	17.40	60	49	39	34	62.5	125	8	12	14	20	13	37.5	925.0	11.7	3	8.46	13.6
KCHRMQ06010-DIN8	6	1000	20.90	50	59	49	43	62.5	125	8	16	18	26	17	37.5	925.0	15.7	3	12.22	20.5
KCHRMQ08010-DIN8	8	960	28.00	36	79	79	71	60	120	8	25	22	33	21	120.0	720.0	19.7	4	21.81	42.6
KCHRMQ08020-DIN8	8	1920	28.00	18	79	79	71	60	120	16	25	22	33	21	120.0	1680.0	19.7	4	21.81	85.1
KCHRMQ10010-DIN8	10	1000	35.11	30	99	99	89	62.5	125	8	32	33	48	32	125.0	750.0	19.7	5	34.17	69.6



KCHRMH-DIN10



- NOTE:
- 1) ALL THE SURFACES IN THE LEFT AND RIGHT VIEW ARE TRUE.
 - 2) ALL SURFACES HAVE Ra 2.4 SURFACE FINISH.
 - 3) ALL THE SURFACES ARE GROUND.

Dimension: mm

Series KCHRMH-DIN 10 Helical Hardened Racks
Quality Grade DIN 10

Material S50C
Right Hand Angle 19°31'42"
Hardness: HRC 50~55°
Surfaces: Sand-blasted.
Total Pitch Error: $F_p / 1000 \leq 0.15$ mm

Code	Module	L	L2	No. of Teeth	B	A0	A1	D	I	No. of Holes	A	ød1	øD	E	D1	I1	ød2	f	F _{ta} kN	KG
KCHRMH01510-DIN10	1.5	1000	6.00	200	17	17	15.5	62.5	125	8	7	6	9.5	7	31.7	936.6	5.7	3.18	2.1	
KCHRMH02010-DIN10	2	1000	8.50	150	24	24	22	62.5	125	8	8	7	11	7	31.7	936.6	5.7	5.98	4.1	
KCHRMH02020-DIN10	2	2000	8.50	300	24	24	22	62.5	125	16	8	7	11	7	31.7	1936.6	5.7	5.98	8.2	
KCHRMH03010-DIN10	3	1000	10.30	100	29	29	26	62.5	125	8	9	10	15	9	35.0	930.0	7.7	10.83	6.0	
KCHRMH03020-DIN10	3	2000	10.30	200	29	29	26	62.5	125	16	9	10	15	9	35.0	1930.0	7.7	10.83	12.0	
KCHRMH04010-DIN10	4	1000	13.80	75	39	39	35	62.5	125	8	12	10	15	9	33.3	933.4	7.7	19.42	10.8	
KCHRMH04020-DIN10	4	2000	13.80	150	39	39	35	62.5	125	16	12	10	15	9	33.3	1933.4	7.7	19.42	21.6	
KCHRMH05010-DIN10	5	1000	17.40	60	49	49	34	62.5	125	8	12	14	20	13	37.5	925.0	11.7	30.51	13.6	
KCHRMH05020-DIN10	5	2000	17.40	120	49	49	34	62.5	125	16	12	14	20	13	37.5	1925.0	11.7	30.51	27.2	
KCHRMH06010-DIN10	6	1000	20.90	50	59	59	43	62.5	125	8	16	18	26	17	37.5	925.0	15.7	44.08	20.5	
KCHRMH06020-DIN10	6	2000	20.90	100	59	59	43	62.5	125	16	16	18	26	17	37.5	1925.0	15.7	44.08	41.1	
KCHRMH08010-DIN10	8	960	28.00	36	79	79	71	60	120	8	25	22	33	21	120.0	720.0	19.7	78.69	42.6	
KCHRMH08020-DIN10	8	1920	28.00	72	79	79	71	60	120	16	25	22	33	21	120.0	1680.0	19.7	78.69	85.1	
KCHRMH10010-DIN10	10	1000	35.11	30	99	99	89	62.5	125	8	32	33	48	32	125.0	750.0	19.7	123.27	69.6	