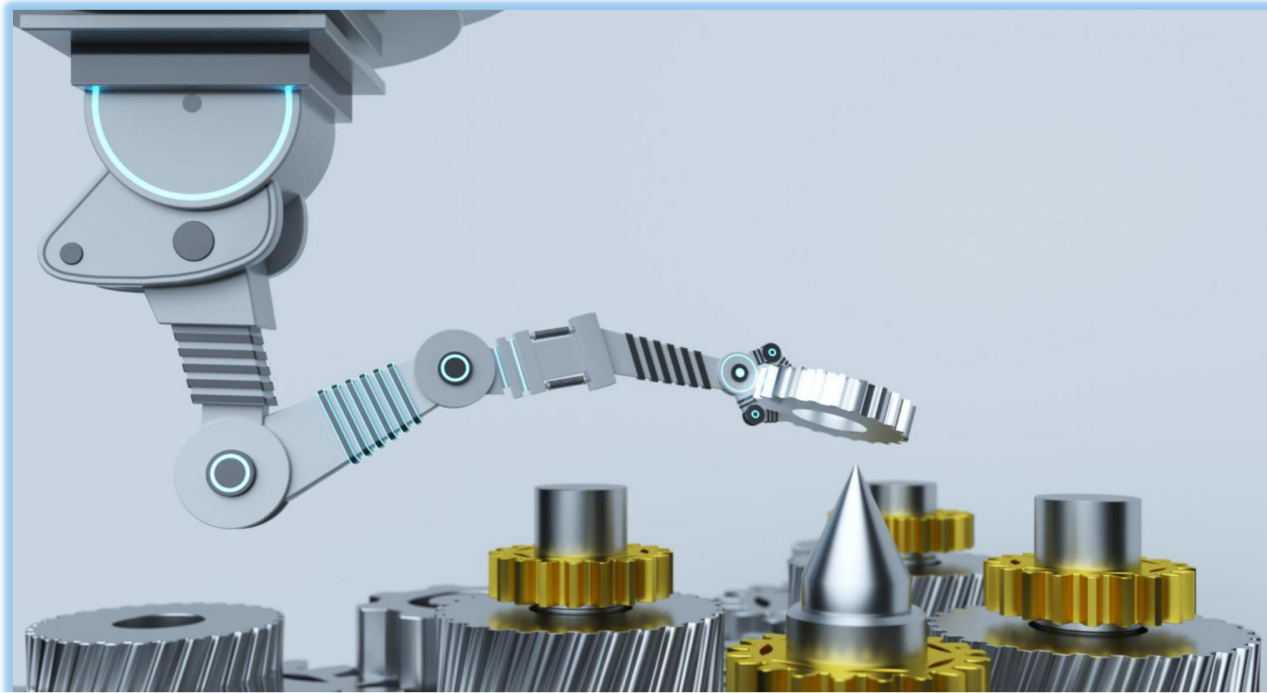


天津市昊荣盛业机电设备有限公司 **Tianjin Haorongshengye Electrical Equipment Co.,Ltd**



企业文化 Corporate culture

Tianjin HAORONGSHENGYE Electrical Equipment Co.,Ltd was founded in Tianjin in 2008 and is a professional manufacturer and exporter that is concerned with the design, development and production.

With detailed requirments, we can also develop your special designed product. Our product range includes all kinds of helical gear, spur gear, gear rack, bevel gear, worm gear, sprockets, chains, bearings.

Our company strives for perfection in every detail from product design, material selection to processing; our products are widely used in CNC machine tools, engraving machines, cutting machines, woodworking machinery, handling and conveying machinery, precision measuring instruments, industrial automation machinery, electronic semiconductor machinery, Robotic arms, packaging machinery, etc.

If you are interested in any of our products or would like to discuss a potential order, please feel free to contact us. We are looking forward to developing successful business relationships with new clients around the world in the future.

目录页

C A T A L O G

企业介绍

天津市昊荣盛业传动机械贸易有限公司成立于 2008 年，是一家集设计、开发、生产于一体的专业生产、出口企业。

我们还可以根据要求或图纸定制。我们的产品范围包括各种斜齿轮、直齿轮、齿条、锥齿轮、蜗轮、链轮、链条、轴承。

公司从产品设计、选材、到加工，每一个细节都精益求精；我们的产品广泛应用于数控机床，雕刻机，切割机，木工机械，搬运、输送机械，精密测量仪器，产业自动化机械，电子半导体机械，机械手臂、包装机械等。

我们期待着在未来与世界各地的新客户建立成功的业务关系。

网址 Website:

<http://www.tjhrs.com>

01

精密齿轮 Precision gear



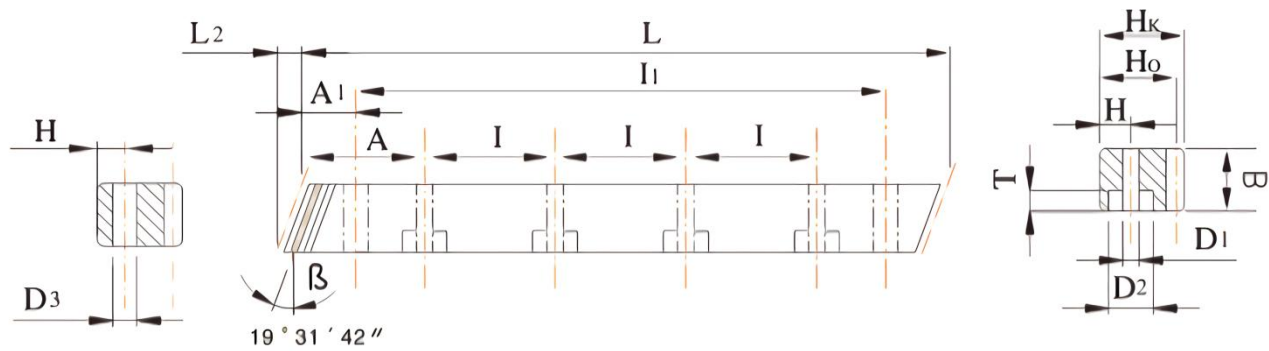
02

精密齿条 Precision gear rack



斜齿条，右旋 $19^{\circ}31'42''$ ，磨削齿面， 20° 压力角

Slant rack, $19^{\circ}31'42''$ right-hand, Grinding tooth surface, 20° pressure angle



型号 Code	模数 Module	齿距 Pt	L	L2	齿数 Z	B	Hk	Ho	A	I	孔数 Hole No.	H	D1	D2	T	A1	I1	D3	总齿距误差 Pitch Error 300mm	M(kg)
6OND2	2	6.666	500	8.5	75	24	24	22	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.022	2.1
OND2	2	6.666	1000	8.5	150	24	24	22	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.022	4.1
OND3	3	10.000	500	10.3	50	29	29	26	62.5	125	4	9	10	15	9	35.0	430.0	7.7	0.024	3
OND3	3	10.000	1000	10.3	100	29	29	26	62.5	125	8	9	10	15	9	35.0	930.0	7.7	0.024	5.9
OND4	4	13.333	506.67	13.8	38	39	39	35	62.5	125	4	12	10	15	9	33.3	433.0	7.7	0.024	5.7
OND4	4	13.333	1000	13.8	75	39	39	35	62.5	125	8	12	10	15	9	33.3	933.4	7.7	0.024	10.7
OND5	5	16.666	500	17.4	30	49	39	34	62.5	125	4	12	14	20	13	37.5	425.0	11.7	0.025	6.5
OND5	5	16.666	1000	17.4	60	49	39	34	62.5	125	8	12	14	20	13	37.5	925.0	11.7	0.025	13
OND6	6	20.000	500	20.9	25	59	49	43	62.5	125	4	16	18	26	17	37.5	425.0	15.7	0.026	10
OND6	6	20.000	1000	20.9	50	59	49	43	62.5	125	8	16	18	26	17	37.5	925.0	15.7	0.026	19.8
OND8	8	26.666	480	28.0	18	79	79	71	60.0	120	4	25	22	33	21	120.0	240.0	19.7	0.027	21.3
OND8	8	26.666	960	28.0	36	79	79	71	60.0	120	8	25	22	33	21	120.0	720.0	19.7	0.027	42.7
OND10	10	33.333	500	35.11	15	99	99	89	62.5	125	4	32	33	48	32	125.0	250.0	19.7	0.028	34
OND10	10	33.333	1000	35.11	30	99	99	89	62.5	125	8	32	33	48	32	125.0	750.0	19.7	0.028	68

精度等级: DIN6h25(JIS2 级)

材 料: C45

齿 形: 斜齿

齿面处理: 磨削

硬度处理: 45~50 度 HRC

四面磨削: 有

右 旋 角: $19^{\circ}31'42''$

压 力 角: 20° 度

Precision Grade:DIN6h25(JIS2Grade)

Material:C45

Type:Helical Rack

Treatment of Teeth:Ground

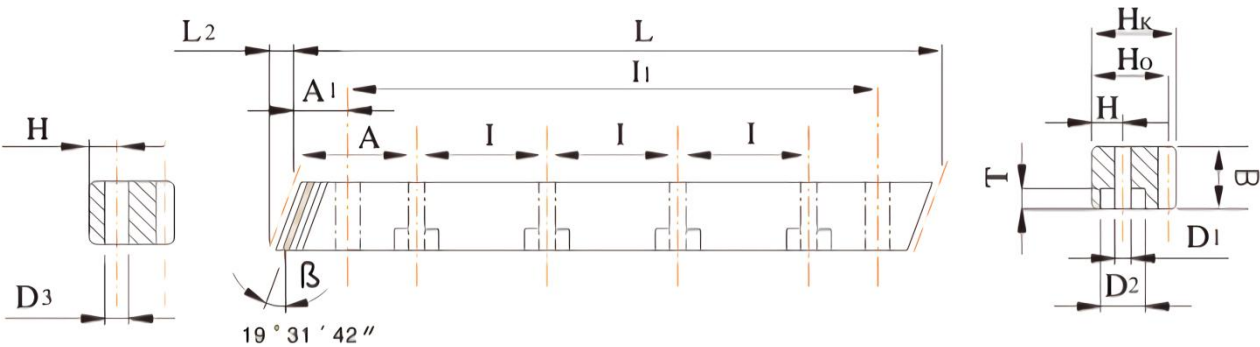
Hardness:45~50degree HRC

Sides Ground:Included.

Right Hand Angle: $19^{\circ}31'42''$

Pressure Angle:20 degree

斜齿条，右旋 19°31'42"，磨削齿面，20°压力角
Slant rack, 19°31'42" right-hand, Grinding tooth surface, 20° pressure angle



模数 Module	齿距 Pt	L	L2	齿数 Z	B	Hk	Ho	A	I	孔数 Hole No.	H	D1	D2	T	A1	I1	D3	总齿距误差 Pitch Error 300mm	M(kg)
1	3.333	505	5.32	159	15	15	14	62.5	125	4	6	5	8	5	31.7	441.6	5.7	0.037	0.8
1	3.333	999	5.32	318	15	15	14	62.5	125	8	6	5	8	5	31.7	935.6	5.7	0.037	1.6
1.5	5.000	500	6.7	100	19	19	17.5	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.040	1.6
1.5	5.000	1000	6.7	200	19	19	17.5	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.040	3.2
2	6.666	500	8.9	75	25	24	22	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.042	2.1
2	6.666	1000	8.9	150	25	24	22	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.042	4.1
3	10.000	500	10.6	50	30	29	26	62.5	125	4	9	10	15	9	35.0	430.0	7.7	0.044	3
3	10.000	1000	10.6	100	30	29	26	62.5	125	8	9	10	15	9	35.0	930.0	7.7	0.044	5.9
4	13.333	506.67	14.2	38	40	39	35	62.5	125	4	12	10	15	9	33.3	433.0	7.7	0.046	5.7
4	13.333	1000	14.2	75	40	39	35	62.5	125	8	12	10	15	9	33.3	933.4	7.7	0.046	10.7
5	16.666	500	17.4	30	50	39	34	62.5	125	4	12	14	20	13	37.5	425.0	11.7	0.047	6.5
5	16.666	1000	17.4	60	50	39	34	62.5	125	8	12	14	20	13	37.5	925.0	11.7	0.047	13
6	20.000	500	20.9	25	59	49	43	62.5	125	4	16	18	26	17	37.5	425.0	15.7	0.052	10
6	20.000	1000	20.9	50	59	49	43	62.5	125	8	16	18	26	17	37.5	925.0	15.7	0.052	19.8
8	26.666	480	28.0	18	79	79	71	60.0	120	4	25	22	33	21	120.0	240.0	19.7	0.057	21.3
8	26.666	960	28.0	36	79	79	71	60.0	120	8	25	22	33	21	120.0	720.0	19.7	0.057	42.5
10	33.333	500	35.11	30	99	99	89	62.5	125	4	32	33	48	32	125.0	250.0	19.7	0.060	34
10	33.333	1000	35.11	30	99	99	89	62.5	125	8	32	33	48	32	125.0	750.0	19.7	0.060	68

精度等级: DIN7e25(JIS3 级)

材 料: C45

齿 形: 斜齿

齿面处理: 磨削

硬度处理: 调质, 20~25 度 HRC

四面磨削: 有

右 旋 角: 19°31'42"

压 力 角: 20 度

Precision Grade:DIN7e25(JIS3Grade)

Material:C45

Type:Helical Rack

Treatment of Teeth:Ground

Hardness:Quenched,20~25degree HRC

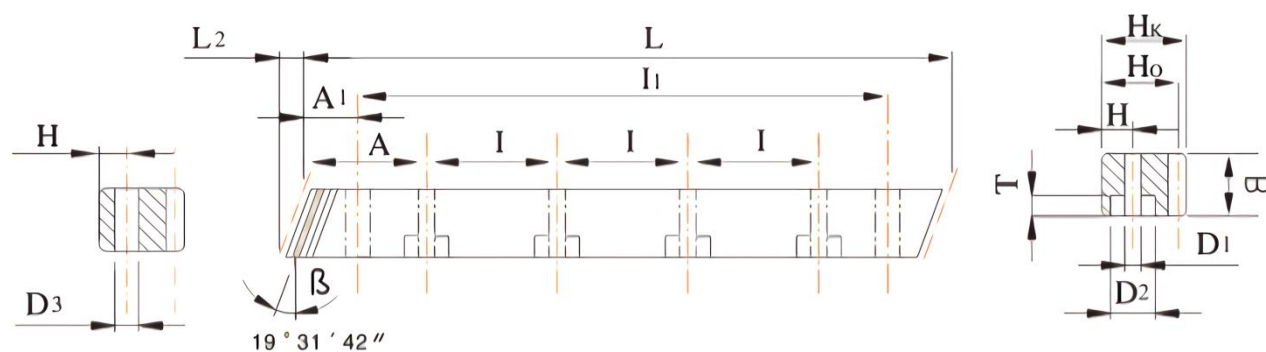
Sides Ground:Included.

Right Hand Angle:19°31'42"

Pressure Angle:20 degree

Racks for continuous linking module 2-10

Slant rack, $19^{\circ}31'42''$ right-hand, Grinding tooth surface, 20° pressure angle



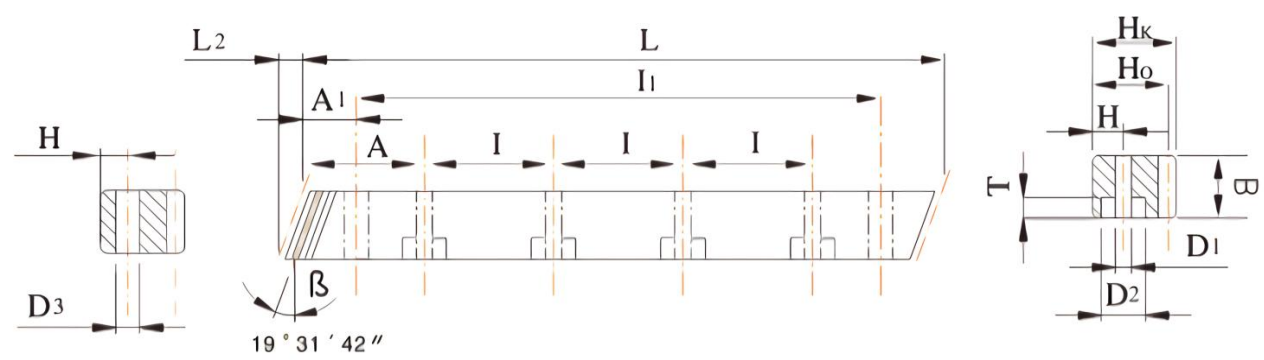
模数 Module	齿距 Pt	L	L2	齿数 Z	B	Hk	Ho	A	I	孔数 Hole No.	H	D1	D2	T	A1	I1	D3	总齿距误差 Pitch Error 300mm	M(kg)
1	3.333	505	5.32	159	15	15	14	62.5	125	4	6	5	8	5	31.7	441.6	5.7	0.039	0.8
1	3.333	999	5.32	318	15	15	14	62.5	125	8	6	5	8	5	31.7	935.6	5.7	0.039	1.6
1.5	5.000	500	6.7	100	19	19	17.5	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.042	1.6
1.5	5.000	1000	6.7	200	19	19	17.5	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.042	3.2
2	6.666	500	8.9	75	25	24	22	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.044	2.1
2	6.666	1000	8.9	150	25	24	22	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.044	4.1
3	10.000	500	10.6	50	30	29	26	62.5	125	4	9	10	15	9	35.0	430.0	7.7	0.046	3
3	10.000	1000	10.6	100	30	29	26	62.5	125	8	9	10	15	9	35.0	930.0	7.7	0.046	5.9
4	13.333	506.67	14.2	38	40	39	35	62.5	125	4	12	10	15	9	33.3	433.0	7.7	0.048	5.7
4	13.333	1000	14.2	75	40	39	35	62.5	125	8	12	10	15	9	33.3	933.4	7.7	0.048	10.7
5	16.666	500	17.4	30	50	39	34	62.5	125	4	12	14	20	13	37.5	425.0	11.7	0.050	6.5
5	16.666	1000	17.4	60	50	39	34	62.5	125	8	12	14	20	13	37.5	925.0	11.7	0.050	13
6	20.000	500	20.9	25	59	49	43	62.5	125	4	16	18	26	17	37.5	425.0	15.7	0.055	10
6	20.000	1000	20.9	50	59	49	43	62.5	125	8	16	18	26	17	37.5	925.0	15.7	0.055	19.8
8	26.666	480	28.0	18	79	79	71	60.0	120	4	25	22	33	21	120.0	240.0	19.7	0.060	21.3
8	26.666	960	28.0	36	79	79	71	60.0	120	8	25	22	33	21	120.0	720.0	19.7	0.060	42.5
10	33.333	500	35.11	30	99	99	89	62.5	125	4	32	33	48	32	125.0	250.0	19.7	0.065	34
10	33.333	1000	35.11	30	99	99	89	62.5	125	8	32	33	48	32	125.0	750.0	19.7	0.065	68

压力角: 20 度

Pressure Angle:20 degree

Tianjin Haorongshengye Electrical Equipment Co.,Ltd

斜齿条，右旋 19°31'42"，磨削齿面，20°压力角
Slant rack, 19°31'42" right-hand, Grinding tooth surface, 20° pressure angle



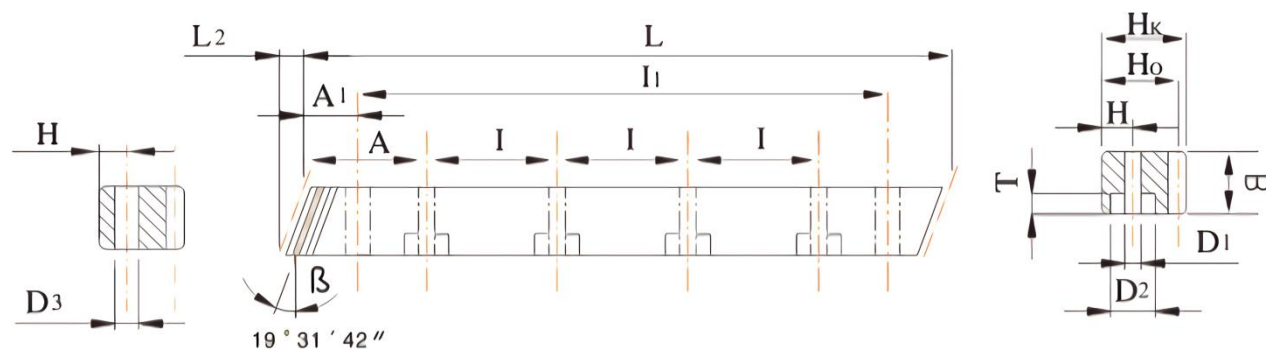
模数 Module	齿距 Pt	L	L2	齿数 Z	B	Hk	Ho	A	I	孔数 Hole No.	H	D1	D2	T	A1	I1	D3	总齿距误差 Pitch Error 300mm	M(kg)
1	3.333	505	5.32	159	15	15	14	62.5	125	4	6	5	8	5	31.7	441.6	5.7	0.057	0.8
1	3.333	999	5.32	318	15	15	14	62.5	125	8	6	5	8	5	31.7	935.6	5.7	0.057	1.6
1.5	5.000	500	6.7	100	19	19	17.5	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.059	1.6
1.5	5.000	1000	6.7	200	19	19	17.5	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.059	3.2
2	6.666	500	8.9	75	25	24	22	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.061	2.2
2	6.666	1000	8.9	150	25	24	22	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.061	4.4
3	10.000	500	10.6	50	30	29	26	62.5	125	4	9	10	15	9	35.0	430.0	7.7	0.065	3.1
3	10.000	1000	10.6	100	30	29	26	62.5	125	8	9	10	15	9	35.0	930.0	7.7	0.065	6.2
4	13.333	506.67	14.2	38	40	39	35	62.5	125	4	12	10	15	9	33.3	433.0	7.7	0.068	5.7
4	13.333	1000	14.2	75	40	39	35	62.5	125	8	12	10	15	9	33.3	933.4	7.7	0.068	11.1
5	16.666	500	17.4	30	50	39	34	62.5	125	4	12	14	20	13	37.5	425.0	11.7	0.070	6.5
5	16.666	1000	17.4	60	50	39	34	62.5	125	8	12	14	20	13	37.5	925.0	11.7	0.070	13.26
6	20.000	500	20.9	25	59	49	43	62.5	125	4	16	18	26	17	37.5	425.0	15.7	0.072	10.1
6	20.000	1000	20.9	50	59	49	43	62.5	125	8	16	18	26	17	37.5	925.0	15.7	0.072	20.12
8	26.666	480	28.0	18	79	79	71	60.0	120	4	25	22	33	21	120.0	240.0	19.7	0.075	22.3
8	26.666	960	28.0	36	79	79	71	60.0	120	8	25	22	33	21	120.0	720.0	19.7	0.075	44.85
10	33.333	500	35.11	30	99	99	89	62.5	125	4	32	33	48	32	125.0	250.0	19.7	0.077	34
10	33.333	1000	35.11	30	99	99	89	62.5	125	8	32	33	48	32	125.0	750.0	19.7	0.077	69.8

精度等级: DIN9e27(JIS5 级)
材 料: C45
齿 形: 斜齿
齿面处理: 精铣
硬度处理:40~45 度 HRC
四面磨削: 有
右 旋 角: 19°31'42"
压 力 角: 20 度

Precision Grade:DIN9e27(JIS5Grade)
Material:C45
Type:Helical Rack
Treatment of Teeth:Milled
Hardness:40~45degree HRC
Sides Ground:Included.
Right Hand Angle:19°31'42"
Pressure Angle:20 degree

Racks for continuous linking module 2-10

Slant rack, $19^{\circ}31'42''$ right-hand, Grinding tooth surface, 20° pressure angle



模数 Module	齿距 Pt	L	L2	齿数 Z	B	Hk	Ho	A	I	孔数 Hole No.	H	D1	D2	T	A1	I1	D3	总齿距误差 Pitch Error 300mm	M(kg)
1	3.333	505	5.32	159	15	15	14	62.5	125	4	6	5	8	5	31.7	441.6	5.7	0.072	0.8
1	3.333	999	5.32	318	15	15	14	62.5	125	8	6	5	8	5	31.7	935.6	5.7	0.072	1.6
1.5	5.000	500	6.7	100	19	19	17.5	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.079	1.6
1.5	5.000	1000	6.7	200	19	19	17.5	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.079	3.2
2	6.666	500	8.9	75	25	24	22	62.5	125	4	8	7	11	7	31.7	436.6	5.7	0.086	2.1
2	6.666	1000	8.9	150	25	24	22	62.5	125	8	8	7	11	7	31.7	936.6	5.7	0.086	4.1
3	10.000	500	10.6	50	30	29	26	62.5	125	4	9	10	15	9	35.0	430.0	7.7	0.091	3
3	10.000	1000	10.6	100	30	29	26	62.5	125	8	9	10	15	9	35.0	930.0	7.7	0.091	5.9
4	13.333	506.67	14.2	38	40	39	35	62.5	125	4	12	10	15	9	33.3	433.0	7.7	0.095	5.7
4	13.333	1000	14.2	75	40	39	35	62.5	125	8	12	10	15	9	33.3	933.4	7.7	0.095	10.7
5	16.666	500	17.4	30	50	39	34	62.5	125	4	12	14	20	13	37.5	425.0	11.7	0.098	6.5
5	16.666	1000	17.4	60	50	39	34	62.5	125	8	12	14	20	13	37.5	925.0	11.7	0.098	13
6	20.000	500	20.9	25	59	49	43	62.5	125	4	16	18	26	17	37.5	425.0	15.7	0.100	10
6	20.000	1000	20.9	50	59	49	43	62.5	125	8	16	18	26	17	37.5	925.0	15.7	0.100	19.8
8	26.666	480	28.0	18	79	79	71	60.0	120	4	25	22	33	21	120.0	240.0	19.7	0.105	21.3
8	26.666	960	28.0	36	79	79	71	60.0	120	8	25	22	33	21	120.0	720.0	19.7	0.105	42.5
10	33.333	500	35.11	30	99	99	89	62.5	125	4	32	33	48	32	125.0	250.0	19.7	0.110	34
10	33.333	1000	35.11	30	99	99	89	62.5	125	8	32	33	48	32	125.0	750.0	19.7	0.110	68

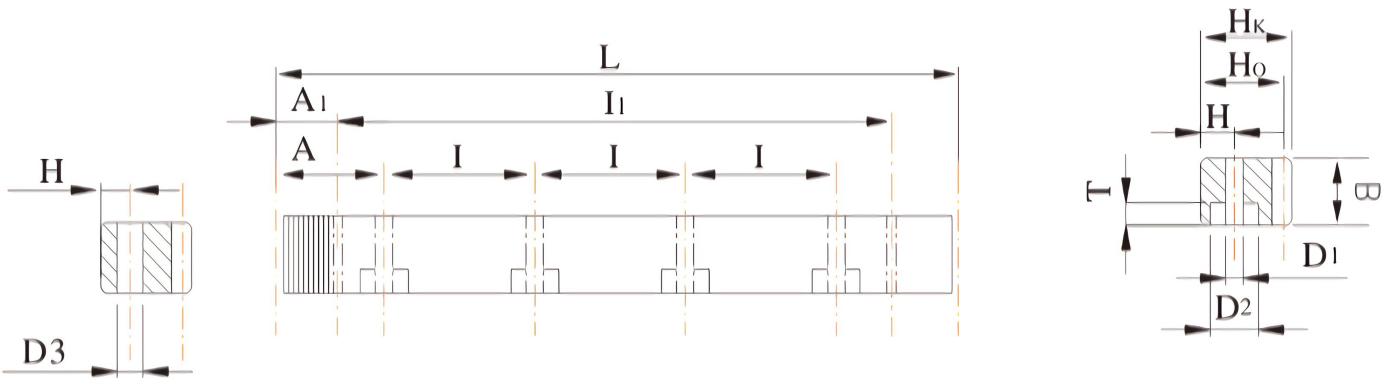
压力角: 20 度

Pressure Angle:20 degree

Tianjin Haorongshengye Electrical Equipment Co.,Ltd

直齿条，磨削齿面，20°压力角

Straight tooth system, Grinding tooth surface, 20° pressure angle.



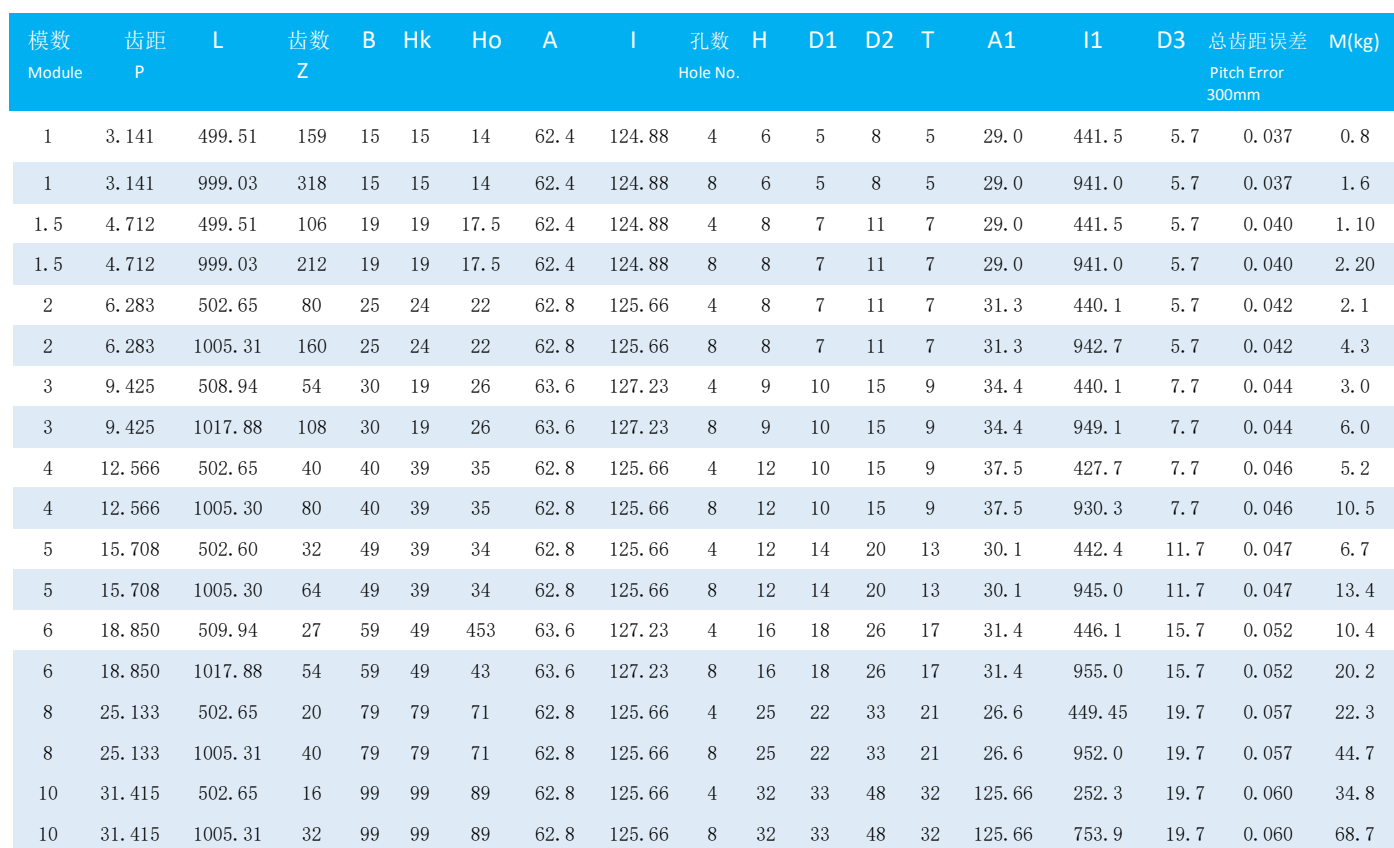
模数 Module	齿距 P	L	齿数 Z	B	Hk	Ho	A	I	孔数 Hole No.	H	D1	D2	T	A1	I1	D3	总齿距误差 Pitch Error 300mm	M(kg)
2	6.283	502.65	80	24	24	22	62.8	125.66	4	8	7	11	7	31.3	440.1	5.7	0.022	2.1
2	6.283	1005.30	160	24	24	22	62.8	125.66	8	8	7	11	7	31.3	942.7	5.7	0.022	4.2
3	9.425	508.90	54	29	29	26	63.6	127.23	4	9	10	15	9	34.4	440.1	7.7	0.024	3
3	9.425	1017.90	108	29	29	26	63.6	127.23	8	9	10	15	9	34.4	949.1	7.7	0.024	6
4	12.566	502.60	40	39	39	35	62.8	125.66	4	12	10	15	9	37.5	427.7	7.7	0.024	5.3
4	12.566	1005.30	80	39	39	35	62.8	125.66	8	12	10	15	9	37.5	930.3	7.7	0.024	10.6
5	15.708	502.60	32	49	39	34	62.8	125.66	4	12	14	20	13	30.1	442.4	11.7	0.025	6.7
5	15.708	1005.30	64	49	39	34	62.8	125.66	8	12	14	20	13	30.1	945.0	11.7	0.025	13.4
6	18.850	508.90	27	59	49	43	63.6	127.23	4	16	18	26	17	31.4	446.1	15.7	0.026	10.3
6	18.850	1017.80	54	59	49	43	63.6	127.23	8	16	18	26	17	31.4	955.1	15.7	0.026	20.5
8	25.133	502.65	20	79	79	71	62.8	125.66	4	25	22	33	21	26.6	449.45	19.7	0.027	22.1
8	25.133	1005.31	40	79	79	71	62.8	125.66	8	25	22	33	21	26.6	952.0	19.7	0.027	44.3
10	31.415	502.65	16	99	99	89	62.8	125.66	4	32	48	48	32	125.66	252.3	19.7	0.028	34.8
10	31.415	1005.31	32	99	99	89	62.8	125.66	8	32	48	48	32	125.66	753.9	19.7	0.028	69.5

精度等级: DIN6h25(JIS2 级)
材 料: C45
齿 形: 直齿
齿面处理: 磨削
硬度处理:40~45 度 HRC
四面磨削: 有
压 力 角: 20 度

Precision Grade:DIN6h25(JIS2Grade)
Material:C45
Type:Straight Rack
Treatment of Teeth:Milled
Hardness:40~45degree HRC
Sides Ground:Included.
Pressure Angle:20 degree

Racks for continuous linking module 2-10

Straight tooth system, Grinding tooth surface, 20° pressure angle.

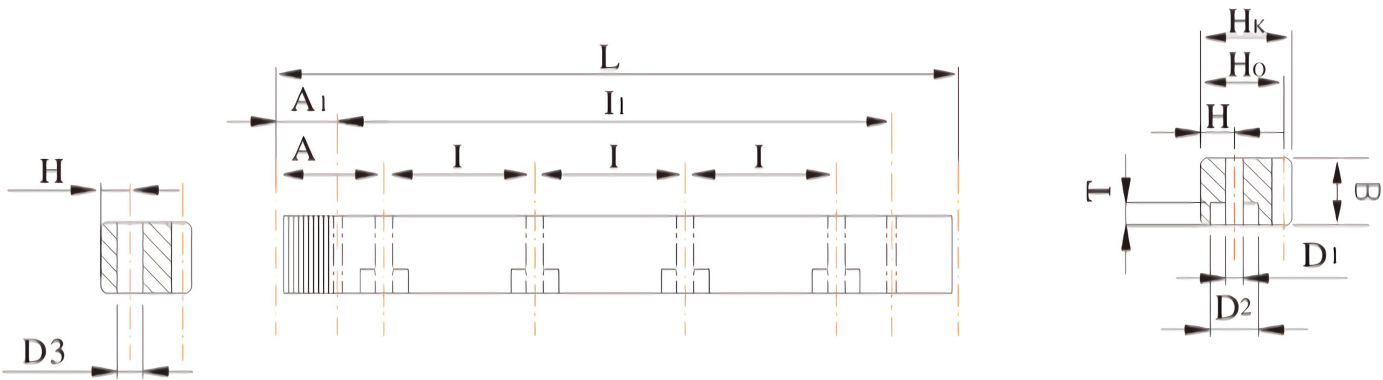


压力角: 20 度

Pressure Angle:20 degree

直齿条，磨削齿面，20°压力角

Straight tooth system, Grinding tooth surface, 20° pressure angle.



模数 Module	齿距 P	L	齿数 Z	B	Hk	Ho	A	I	孔数 Hole No.	H	D1	D2	T	A1	I1	D3	总齿距误差 Pitch Error 300mm	M(kg)
1	3.141	499.51	159	15	15	14	62.4	124.88	4	6	5	8	5	29.0	441.5	5.7	0.057	0.8
1	3.141	999.03	318	15	15	14	62.4	124.88	8	6	5	8	5	29.0	941.0	5.7	0.057	1.6
1.5	4.712	499.51	106	17	17	15.5	62.4	124.88	4	6	5	8	5	29.0	441.5	5.7	0.059	1.1
1.5	4.712	999.03	212	17	17	15.5	62.4	124.88	8	6	5	8	5	29.0	941.0	5.7	0.059	2.2
2	6.283	502.65	80	20	20	18	62.8	125.66	4	8	7	11	7	31.3	440.1	5.7	0.061	1.41
2	6.283	1005.31	160	20	20	18	62.8	125.66	8	8	7	11	7	31.3	942.7	5.7	0.061	2.81
2.5	7.854	502.65	64	25	25	22.5	62.8	125.66	4	8	7	11	7	31.3	440.1	5.7	0.063	2.21
2.5	7.854	1005.31	128	25	25	22.5	62.8	125.66	8	8	7	11	7	31.3	942.7	5.7	0.063	4.42
3	9.425	508.94	54	30	30	27	63.6	127.23	4	9	10	15	9	34.4	440.1	7.7	0.065	3.22
3	9.425	1017.88	108	30	30	27	63.6	127.23	8	9	10	15	9	34.4	949.1	7.7	0.065	6.44
4	12.566	502.65	40	40	40	36	62.8	125.66	4	12	10	15	9	37.5	427.7	7.7	0.068	5.65
4	12.566	1005.30	80	40	40	36	62.8	125.66	8	12	10	15	9	37.5	930.3	7.7	0.068	11.31
5	15.708	502.60	32	50	50	45	62.8	125.66	4	12	14	20	13	30.1	442.4	11.7	0.070	6.87
5	15.708	1005.3	64	50	50	45	62.8	125.66	8	12	14	20	13	30.1	945.0	11.7	0.070	13.74
6	18.850	508.94	27	60	60	54	63.6	127.23	4	16	18	26	17	31.4	446.1	15.7	0.072	10.49
6	18.850	1017.88	64	60	60	54	63.6	127.23	8	16	18	26	17	31.4	955.0	15.7	0.072	20.99
8	25.133	502.65	20	80	79.5	71.5	62.8	125.66	4	25	22	33	21	26.6	449.45	19.7	0.075	22.3
8	25.133	1005.31	40	80	79.5	71.5	62.8	125.66	8	25	22	33	21	26.6	952.0	19.7	0.075	44.6
10	31.415	502.65	16	100	100	90	62.8	125.66	4	32	33	48	32	125.66	252.3	19.7	0.077	35.5
10	31.415	1005.31	32	100	100	90	62.8	125.66	8	32	33	48	32	125.66	753.9	19.7	0.077	70.6

精度等级: DIN9e27(JIS5 级)

材 料: C45

齿 形: 直齿

齿面处理: 精铣

硬度处理:20~25 度 HRC

四面磨削: 有

压 力 角: 20 度

Precision Grade:DIN9e27(JIS5Grade)

Material:C45

Type:Straight Rack

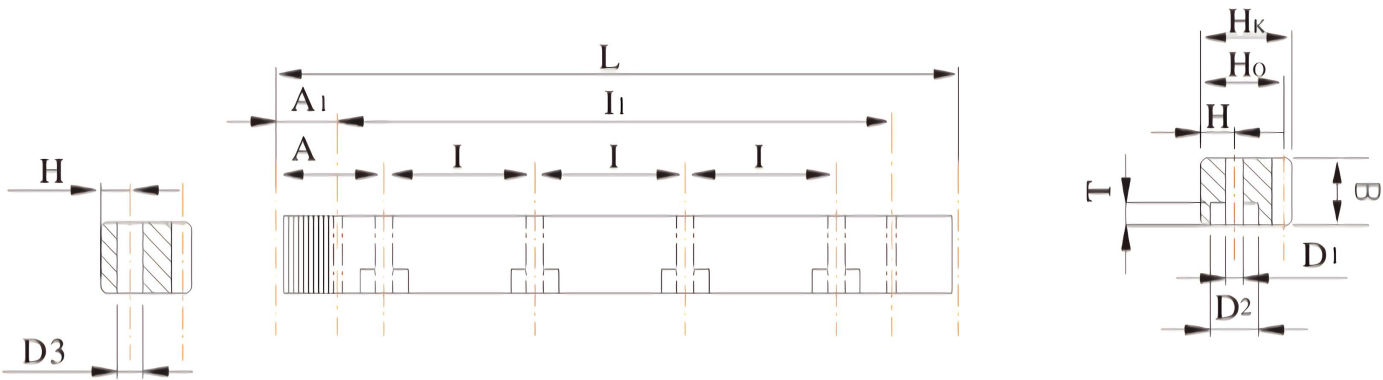
Treatment of Teeth:Milled

Hardness:20~25degree HRC

Sides Ground:Included.

Pressure Angle:20 degree

直齿条，磨削齿面，20°压力角
Straight tooth system, Grinding tooth surface, 20° pressure angle.



模数 Module	齿距 P	L	齿数 Z	B	Hk	Ho	A	I	孔数 Hole No.	H	D1	D2	T	A1	I1	D3	总齿距误差 Pitch Error 300mm	M(kg)
1	3.1.1	499.51	159	15	15	14	62.4	124.88	4	6	5	8	5	29.0	441.5	5.7	0.072	0.8
1	3.141	999.03	318	15	15	14	62.4	124.88	8	6	5	8	5	29.0	941.0	5.7	0.072	1.6
1.5	4.712	499.51	106	19	19	17.5	62.4	124.88	4	8	7	11	7	29.0	441.5	5.7	0.079	1.1
1.5	4.712	999.03	212	19	19	17.5	62.4	124.88	8	8	7	11	7	29.0	941.0	5.7	0.079	2.2
2	6.283	502.65	80	24	24	22	62.8	125.66	4	8	7	11	7	31.3	440.1	5.7	0.086	2.1
2	6.283	1005.31	160	24	24	22	62.8	125.66	8	8	7	11	7	31.3	942.7	5.7	0.086	4.3
3	9.425	508.94	54	29	29	26	63.6	127.23	4	9	10	15	9	34.4	440.1	7.7	0.091	3
3	9.425	1017.88	108	29	29	26	63.6	127.23	8	9	10	15	9	34.4	949.1	7.7	0.091	6
4	12.566	502.65	40	39	39	35	62.8	125.66	4	12	10	15	9	37.5	427.7	7.7	0.095	5.2
4	12.566	1005.30	80	39	39	35	62.8	125.66	8	12	10	15	9	37.5	930.3	7.7	0.095	10.5
5	15.708	502.61	32	49	39	34	62.8	125.66	4	12	14	20	13	30.1	442.4	11.7	0.098	6.7
5	15.708	1005.3	64	49	39	34	62.8	125.66	8	12	14	20	13	30.1	945.0	11.7	0.098	13.4
6	18.850	508.94	27	59	49	43	63.6	127.23	4	16	18	26	17	31.4	446.1	15.7	1.100	10.4
6	18.850	1017.88	54	59	49	43	63.6	127.23	8	16	18	26	17	31.4	955.0	15.7	0.100	20.2
8	25.133	502.65	20	79	79	71	62.8	125.66	4	25	22	33	21	26.6	449.45	19.7	0.105	22.3
8	25.133	1005.31	40	79	79	71	62.8	125.66	8	25	22	33	21	26.6	952.0	19.7	0.105	44.7
10	31.415	502.65	16	99	99	89	62.8	125.66	4	32	33	48	32	125.66	252.3	19.7	0.110	34.8
10	31.415	1005.31	32	99	99	89	62.8	125.66	8	32	33	48	32	125.66	753.9	19.7	0.110	68.7

精度等级: DIN10e27(JIS6 级)

材 料: C45

齿 形: 直齿

齿面处理: 精铣

硬度处理:HRC40~45

四面磨削: 无

压 力 角: 20 度

Precision Grade:DIN10e27(JIS6Grade)

Material:C45

Type:Straight Rack

Treatment of Teeth:Milled

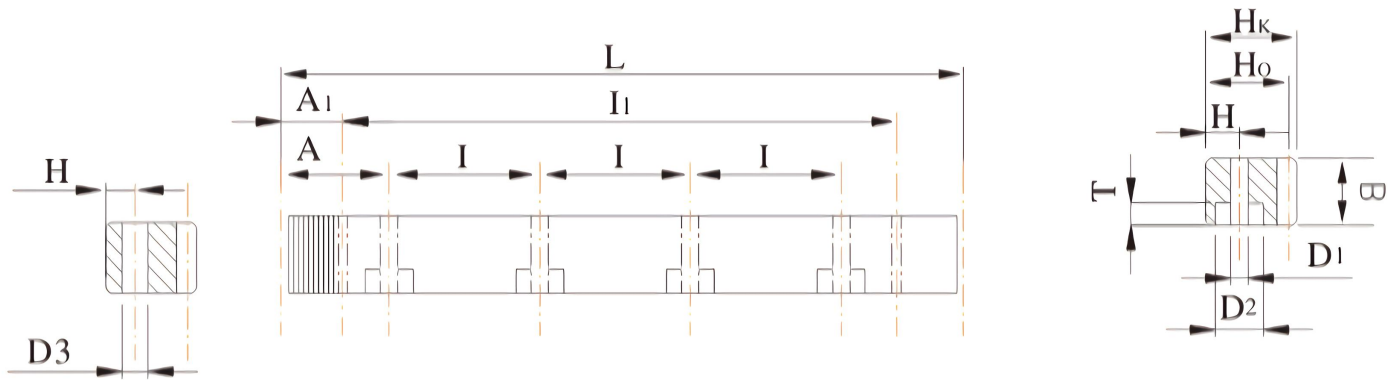
Hardness:40~45 degree HRC

Sides Ground:Not Included.

Pressure Angle:20 degree

直齿条，磨削齿面，20°压力角

Straight tooth system, Grinding tooth surface, 20° pressure angle.



模数 Module	齿距 P	L	齿数 Z	B	Hk	Ho	A	I	孔数 Hole No.	H	D1	D2	T	A1	I1	D3	总齿距误差 Pitch Error 300mm	M(kg)
1.591	5	500	100	20	20	18.41	62.5	125	4	8	7	11	7	35	430	5.7	0.022	1.2
1.591	5	1000	200	20	20	18.41	62.5	125	8	8	7	11	7	35	930	5.7	0.022	2.4
2.546	8	504	63	25	25	22.46	64.5	125	4	12	7	11	7	35	434	5.7	0.024	2.3
2.546	8	1008	126	25	25	22.46	64.5	125	8	12	7	11	7	35	938	5.7	0.024	4.6
3.183	10	500	50	30	30	26.81	62.5	125	4	12	10	15	9	35	430	7.7	0.024	3.2
3.183	10	1000	100	30	30	26.81	62.5	125	8	12	10	15	9	35	930	7.7	0.024	6.4
3.819	12	504	42	40	40	36.194	64.5	125	4	18	10	15	9	35	343	7.7	0.024	5.8
3.819	12	1008	84	40	40	36.19	64.5	125	8	18	10	15	9	35	938	7.7	0.024	11.4
5.092	16	496	31	50	50	44.91	64.5	125	4	22	14	20	13	35	426	11.1	0.025	8.2
5.092	16	1008	63	50	50	44.91	64.5	125	8	22	14	20	13	35	938	11.1	0.025	16.5
6.366	20	500	25	60	60	53.64	62.5	125	4	26	18	26	17	35	430	15.7	0.026	12
6.366	20	1000	50	60	60	53.64	62.5	125	8	26	18	26	17	35	930	15.7	0.026	25
7.957	25	500	20	80	80	72.05	62.5	125	4	36	22	33	21	120	260	19.7	0.027	23.0
7.957	25	1000	40	80	80	72.05	62.5	125	8	36	22	33	21	120	760	19.7	0.027	46.5

精度等级: DIN6h25(JIS2 级)

材 料: C45

齿 形: 直齿

齿面处理: 精铣

硬度处理:HRC45~50

四面磨削: 有

压 力 角: 20 度

Precision Grade:DIN6h25(JIS2Grade)

Material:C45

Type:Straight Rack

Treatment of Teeth:Milled

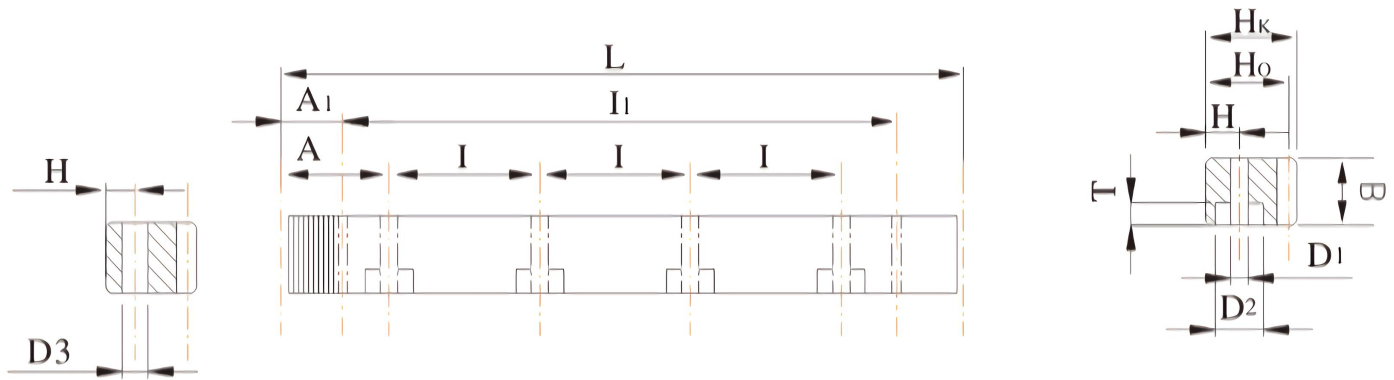
Hardness:45~50degree HRC

Sides Ground:Included.

Pressure Angle:20 degree

直齿条，磨削齿面，20°压力角

Straight tooth system, Grinding tooth surface, 20° pressure angle.



模数 Module	齿距 P	L	齿数 Z	B	Hk	Ho	A	I	孔数 Hole No.	H	D1	D2	T	A1	I1	D3	总齿距误差 Pitch Error 300mm	M(kg)
1.591	5	500	100	20	20	18.41	62.5	125	4	8	7	11	7	35	430	5.7	0.044	1.2
1.591	5	1000	200	20	20	18.41	62.5	125	8	8	7	11	7	35	930	5.7	0.044	2.4
2.546	8	504	63	25	25	22.46	64.5	125	4	12	7	11	7	35	434	5.7	0.048	2.3
2.546	8	1008	126	25	25	22.46	64.5	125	8	12	7	11	7	35	938	5.7	0.048	4.6
3.183	10	500	50	30	30	26.81	62.5	125	4	12	10	15	9	35	430	7.7	0.048	3.2
3.183	10	1000	100	30	30	26.81	62.5	125	8	12	10	15	9	35	930	7.7	0.048	6.4
3.819	12	504	42	40	40	36.194	64.5	125	4	18	10	15	9	35	343	7.7	0.048	5.8
3.819	12	1008	84	40	40	36.19	64.5	125	8	18	10	15	9	35	938	7.7	0.048	11.4
5.092	16	496	31	50	50	44.91	64.5	125	4	22	14	20	13	35	426	11.1	0.050	8.2
5.092	16	1008	63	50	50	44.91	64.5	125	8	22	14	20	13	35	938	11.1	0.050	16.5
6.366	20	500	25	60	60	53.64	62.5	125	4	26	18	26	17	35	430	15.7	0.052	12
6.366	20	1000	50	60	60	53.64	62.5	125	8	26	18	26	17	35	930	15.7	0.052	25
7.957	25	500	20	80	80	72.05	62.5	125	4	36	22	33	21	120	260	19.7	0.054	23.0
7.957	25	1000	40	80	80	72.05	62.5	125	8	36	22	33	21	120	760	19.7	0.054	46.5

精度等级: DIN7e25(JIS3 级)

材 料: C45

齿 形: 直齿

齿面处理: 精铣

硬度处理: 调质, 20~25 度 HRC

四面磨削: 有

压 力 角: 20 度

Precision Grade: DIN7e25(JIS3 Grade)

Material: C45

Type: Straight Rack

Treatment of Teeth: Milled

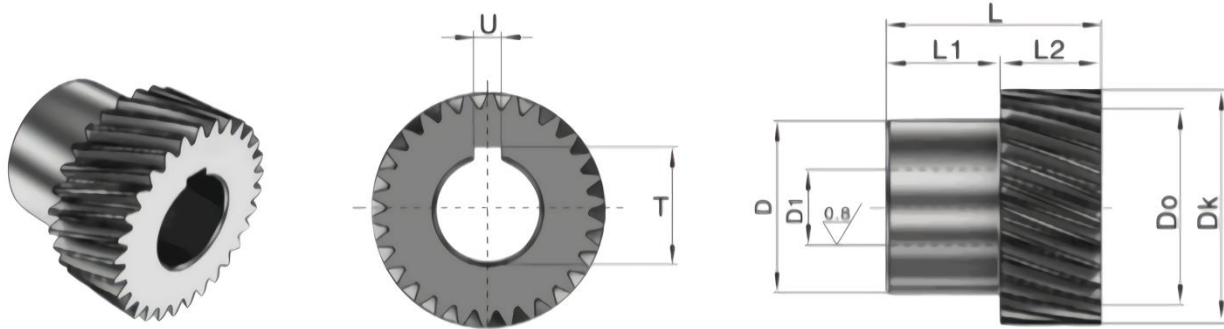
Hardness: Quenched, 20~25 degree HRC

Sides Ground: Included.

Pressure Angle: 20 degree

斜齿齿轮，右旋 19°31'42"，磨削齿轮，20°压力角

Helical gear, 19°31'42" right-hand, Grinding gear, 20° pressure angle



齿距 Pt	模数 Module	齿数 Z	D1	Dk	D0	D	L	L1	L2	T	U	侧隙 (mm)
3.333	1	20	12	23.22	21.22	20	20	5	15	13.8	4	0.08~0.16
3.333	1	25	12	28.53	26.53	20	20	5	15	13.8	4	0.08~0.16
3.333	1	30	15	33.83	31.83	30	20	5	15	16.8	4	0.08~0.16
3.333	1	35	15	39.14	37.14	35	20	5	15	17.3	5	0.08~0.16
5.000	1.5	21	16	36.42	33.423	30	46	26	20	18.3	5	0.08~0.16
5.000	1.5	30	22	50.75	47.747	36	48	28	20	24.8	6	0.08~0.16
5.000	1.5	39	22	65.07	62.071	36	48	28	20	24.8	6	0.10~0.18
6.666	2	21	22	48.56	44.563	36	56	28	28	24.8	6	0.10~0.20
6.666	2	30	22	67.66	63.662	36	56	28	28	24.8	6	0.12~0.22
6.666	2	30	32	67.66	63.662	55	65	37	28	35.3	10	0.12~0.22
6.666	2	39	32	86.76	82.761	55	65	37	28	35.3	10	0.12~0.22
8.333	2.5	20	22	58.05	53.052	36	56	28	28	24.8	6	0.10~0.20
8.333	2.5	25	22	71.31	66.315	36	56	28	28	24.8	6	0.12~0.22
8.333	2.5	25	32	71.31	66.315	55	65	37	28	35.3	10	0.12~0.22
10.000	3	20	22	69.66	63.662	36	56	28	28	24.8	6	0.12~0.22
10.000	3	20	32	69.66	63.662	55	65	37	28	35.3	10	0.12~0.22
10.000	3	25	22	85.58	79.578	36	56	28	28	24.8	6	0.12~0.22
10.000	3	25	32	85.58	79.578	55	65	37	28	35.3	10	0.12~0.22
13.333	4	18	32	84.39	76.394	55	75	35	40	35.3	10	0.14~0.24
13.333	4	21	32	97.13	89.127	55	75	35	40	35.3	10	0.14~0.24
13.333	4	21	35	97.13	89.127	55	75	35	40	38.3	10	0.14~0.24
13.333	4	24	32	109.86	101.859	55	75	35	40	35.3	10	0.14~0.24
13.333	4	24	35	109.86	101.859	55	75	35	40	38.3	10	0.14~0.24
16.666	5	18	45	105.49	95.483	68	85	35	50	48.8	14	0.14~0.24
16.666	5	24	45	137.32	127.324	68	85	35	50	48.8	14	0.16~0.26
16.666	6	20	55	139.32	127.324	80	100	40	60	59.3	16	0.16~0.26
16.666	6	25	75	171.16	159.155	110	120	60	60	79.9	20	0.16~0.26
26.666	8	18	75	168.79	152.789	110	140	60	80	79.9	20	0.18~0.28

精度等级: DIN6h25(JIS2 级)

材 料: 42Cr(SCM420)

齿 形: 斜齿

齿面处理: 磨削

硬度处理: 55~60 度 HRC

左旋角: 19°31'42"

压 力 角: 20 度

Precision Grade: DIN6h25(JIS2 Grade)

Material: C45

Type: Helical Rack

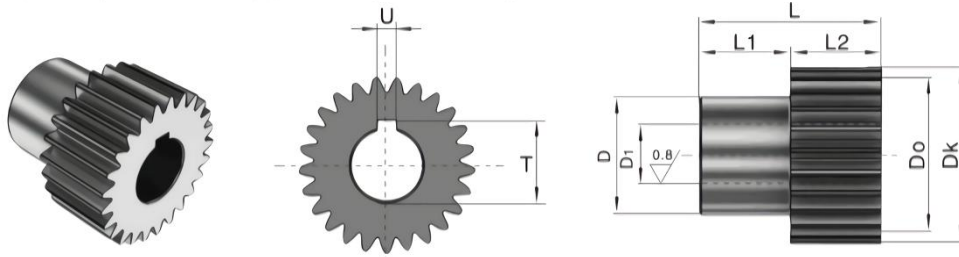
Treatment of Teeth: Ground

Hardness: 55~60 degree HRC

Left Hand Angle: 19°31'42"

Pressure Angle: 20 degree

直齿齿轮, 磨削齿轮, 20°压力角
Spur gear, Grinding gear, 20° pressure angle



齿距 Pt	模数 Module	齿数 Z	D1	Dk	D0	D	L	L1	L2	T	U	侧隙 (mm)
3.141	1	20	12	22	20	20	20	5	15	13.8	4	0.08~0.16
3.141	1	25	12	27	25	20	20	5	15	13.8	4	0.08~0.16
3.141	1	30	15	42	40	30	20	5	15	16.8	4	0.08~0.16
3.141	1	35	15	30	37	35	20	5	15	17.3	5	0.08~0.16
4.712	1.5	25	16	40.5	37.5	30	46	26	20	18.3	5	0.08~0.16
4.712	1.5	32	22	51	48	36	48	28	20	24.8	6	0.10~0.18
4.712	1.5	40	22	63	60	36	48	28	20	24.8	6	0.01~0.20
6.283	2	25	16	54	50	30	54	26	28	18.3	5	0.01~0.20
6.283	2	25	22	54	50	36	56	28	28	24.8	6	0.01~0.20
6.283	2	28	30	60	56	50	60	32	28	33.3	8	0.12~0.22
6.283	2	32	16	68	64	30	54	26	28	18.3	5	0.12~0.22
6.283	2	32	22	68	64	36	56	28	28	24.8	6	0.12~0.22
6.283	2	32	32	68	64	55	65	37	28	35.3	10	0.12~0.22
6.283	2	36	40	76	72	62	65	37	28	43.3	12	0.12~0.22
6.283	2	40	32	84	80	55	65	37	28	35.3	10	0.12~0.22
6.283	2	50	45	104	100	68	65	37	28	48.8	14	0.12~0.22
7.854	2.5	22	22	60	55	36	56	28	28	24.8	6	0.12~0.22
7.854	2.5	28	32	75	70	55	65	37	28	35.3	10	0.12~0.22
7.854	2.5	36	40	95	90	62	65	37	28	43.3	12	0.12~0.22
9.425	3	22	22	72	66	36	56	28	28	24.8	6	0.12~0.22
9.425	3	22	32	72	66	55	65	37	28	35.3	10	0.12~0.22
9.425	3	25	40	81	75	62	65	37	28	43.3	12	0.12~0.22
9.425	3	28	22	90	84	36	56	28	28	24.8	6	0.12~0.22
9.425	3	28	32	90	84	55	65	37	28	35.3	10	0.12~0.22
9.425	3	32	40	102	96	62	65	37	28	43.3	12	0.12~0.22
9.425	3	36	45	114	108	68	65	37	28	48.8	14	0.14~0.24
12.566	4	20	32	88	80	55	75	35	40	35.3	10	0.14~0.24
12.566	4	20	35	88	80	55	75	35	40	38.3	10	0.14~0.24
12.566	4	22	45	96	88	68	75	35	40	48.8	14	0.14~0.24
12.566	4	25	32	108	100	55	75	35	40	35.3	10	0.14~0.24
12.566	4	25	35	108	100	55	75	35	40	38.3	10	0.14~0.24
12.566	4	25	55	108	100	80	80	40	40	59.3	16	0.14~0.24
12.566	4	28	45	120	112	68	75	35	40	48.8	14	0.14~0.24
12.566	4	32	55	136	128	80	80	40	40	59.3	16	0.16~0.26
12.566	4	40	75	168	160	110	100	60	40	79.9	20	0.16~0.26
15.708	5	21	45	115	105	68	85	35	50	48.8	14	0.16~0.26
15.708	5	25	45	135	125	68	85	35	50	48.8	14	0.16~0.26
15.708	5	25	55	135	125	80	90	40	50	59.3	16	0.16~0.26
18.850	6	21	55	138	126	80	100	40	60	59.3	16	0.16~0.26
18.850	6	25	75	162	150	110	120	60	60	79.9	20	0.18~0.28

精度等级: DIN6h25(JIS2 级)

材 料: 42Cr(SCM420)

齿 形: 直齿

齿面处理: 磨削

硬度处理: 55~60 度 HRC

左旋角: 19°31'42"

压 力 角: 20 度

Precision Grade: DIN6h25(JIS2 Grade)

Material: 42Cr(SCM420)

Type: Straight Rack

Treatment of Teeth: Ground

Hardness: 55~60 degree HRC

Left Hand Angle: 19°31'42"

Pressure Angle: 20 degree

Company Name:

Tianjin Haorongshengye Electrical Equipment Co.,Ltd

Operational Address:

**No. 11-118, Area 1, Beifangcheng, Southwest side of
Crossing of Miyun Road and Huanghe Road,
Nankai District, Tianjin, China 300112**

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