



RECKON DRIVES INTERNATIONAL S.A.S
3 rue JC Milleret, Immeuble Horizon,
42000 SAINT ETIENNE
France

www.reckondrives.com
contact@reckondrives.com



 **RECKON**[®]
Innovation needs performance

HIGH PRECISION
RACKS and PINIONS

 **RECKON**[®]
Innovation needs performance



SUMMARY

- Why choose a Reckon rack?	4
- Pitch errors.....	5
- DIN 10 C45 50 HRC helical teeth.....	6
- DIN 10 C45 50 HRC straight teeth.....	7
- DIN 9 C45 helical teeth	8
- DIN 9 C45 straight teeth	9
- DIN 8 42CrMo4 helical teeth	10
- DIN 8 42CrMo4 straight teeth	11
- DIN 6 C45 50 HRC helical teeth	12
- DIN 6 C45 50 HRC straight teeth	13
- Contact	14

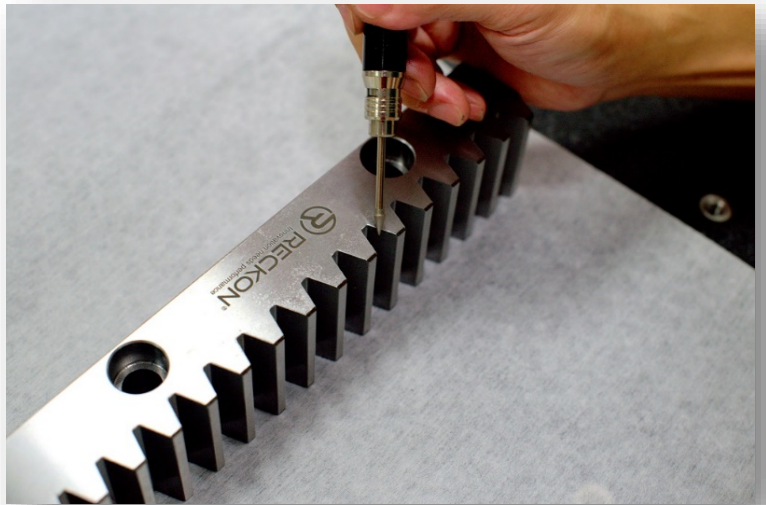
Why choose a Reckon rack?

Our mission is to offer the highest value for money on the market. Racks are no exception.

All our racks are interchangeable

When it comes to rack quality, choosing Reckon® ensures that the following aspects are seriously taken care of:

- Tothing precision is inspected on a CMM with last generation rack-inspection software and our racks are delivered to you with detailed inspection reports showing:
 - o Flatness
 - o Straightness
 - o individual and cumulative pitch errors
 - o the precision of the faces towards teeth and bottom
- Material quality, as Reckon® only selects stabilized material from the best suppliers, so you do not suffer from any low of precision due to residual stress release.
- Chamfering of every tooth is performed very carefully, in order to protect your assembly workers from potentially serious injuries (racks are heavy and they are very sharp before chamfering) and long sick-leaves.
- Heat treatment is carefully checked. We perform regular cut tests after induction hardening and verify the hardness of every batch of steel we get. Our hardness values are conservative so you don't have a bad surprise.
- Aesthetics are given a very close watch. We are aware that your equipment's visual quality depends on ours too.
- Packaging will respect all international legal requirements (compatible with wood packing restrictions in international shipping of ocean freight).
- All racks are packed individually and protected with anticorrosive oil.



Cumulative pitch errors on 300 mm

Module	DIN 5	DIN 6	DIN 8	DIN 9	DIN 10
1.5	14 μm	21 μm	42 μm	58 μm	85 μm
2	16 μm	22 μm	44 μm	61 μm	86 μm
3	17 μm	24 μm	46 μm	65 μm	91 μm
4	18 μm	25 μm	48 μm	68 μm	95 μm
5	19 μm	25 μm	50 μm	70 μm	98 μm
6	20 μm	26 μm	55 μm	72 μm	100 μm
8	20 μm	27 μm	60 μm	75 μm	105 μm



DIN 10 50-55 HRC STRAIGHT TEETH

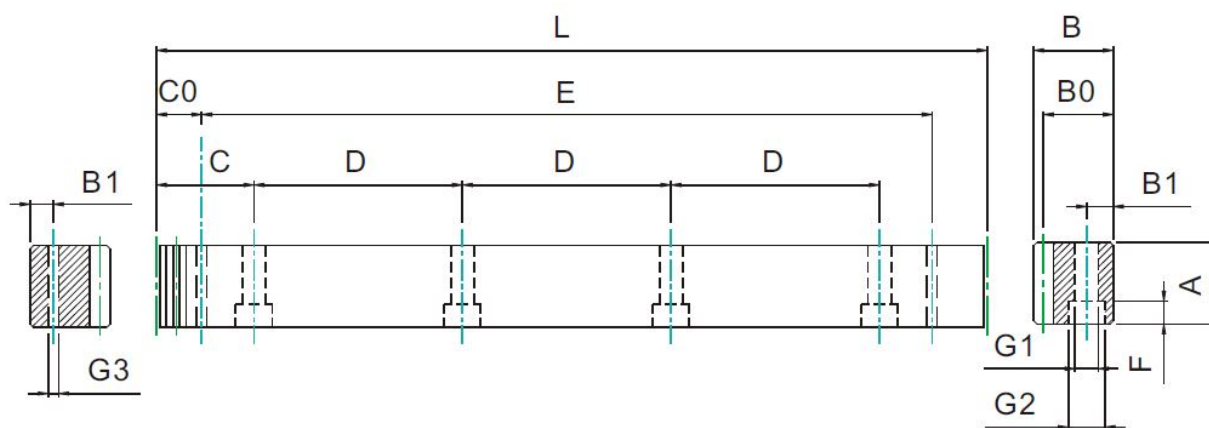
Teeth milled to DIN 10h27, pressure angle 20°

Mounting side and bottom milled (Ra=3.2)

Material: C45

Heat treatment: induction-hardening on teeth only (50-55 HRC)

Decorative black coating (thickness under 3µm)



REFERENCE	M ⁽¹⁾	L	Z ⁽²⁾	A	B	B0	C	D	H ⁽³⁾	B1	G1	G2	F	C0	E	G3	CPE ⁽⁴⁾
M1.5-S-IND-DIN10-500-H1	1.5	499.51	106	17	17	15.5	62.44	124.88	4	8	6	9.5	7	29.0	441.5	5.7	0.085
M1.5-S-IND-DIN10-1000-H1	1.5	999.03	212	17	17	15.5	62.44	124.88	8	8	6	9.5	7	29.0	941.0	5.7	0.085
M2-S-IND-DIN10-500-H1	2	502.64	80	24	24	22	62.83	125.66	4	8	7	11	7	31.3	440.1	5.7	0.086
M2-S-IND-DIN10-1000-H1	2	1005.28	160	24	24	22	62.83	125.66	8	8	7	11	7	31.3	942.7	5.7	0.086
M3-S-IND-DIN10-500-H1	3	508.95	54	29	29	26	63.62	127.23	4	9	10	15	9	34.4	440.1	7.7	0.091
M3-S-IND-DIN10-1000-H1	3	1017.9	108	29	29	26	63.62	127.23	8	9	10	15	9	34.4	949.9	7.7	0.091
M4-S-IND-DIN10-500-H1	4	502.64	40	39	39	35	62.83	125.66	4	12	10	15	9	37.5	427.7	7.7	0.095
M4-S-IND-DIN10-1000-H1	4	1005.28	80	39	39	35	62.83	125.66	8	12	10	15	9	37.5	930.3	7.7	0.095
M5-S-IND-DIN10-500-H1	5	502.65	32	49	39	34	62.83	125.66	4	12	14	20	13	30.1	442.4	11.7	0.098
M5-S-IND-DIN10-1000-H1	5	1005.31	64	49	39	34	62.83	125.66	8	12	14	20	13	30.1	945	11.7	0.098
M6-S-IND-DIN10-500-H1	6	508.95	27	59	49	43	63.62	127.23	4	16	18	26	17	31.4	446.1	15.7	0.100
M6-S-IND-DIN10-1000-H1	6	1017.9	54	59	49	43	63.62	127.23	8	16	18	26	17	31.4	955.0	15.7	0.100
M8-S-IND-DIN10-500-H1	8	502.64	20	79	79	71	62.83	125.66	4	25	22	33	21	26.6	449.5	19.7	0.105
M8-S-IND-DIN10-1000-H1	8	1005.28	40	79	79	71	62.83	125.66	8	25	22	33	21	26.6	952	19.7	0.105

Each model hereabove can be ordered without holes by simply replacing "H1" by "HO" at the end of the reference.

All dimensions are mm. Other sizes and modules available upon request. 2D/3D Drawings available upon request

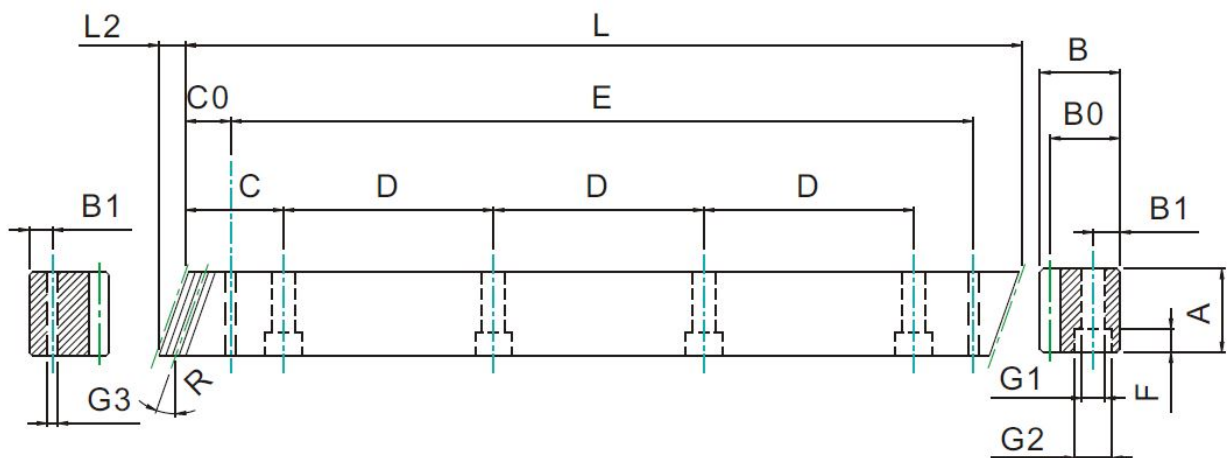
(1) : M = Module / (2) : Z = Number of teeth / (3) : H = Number of holes / (4) : CPE = Cumulative Pitch Error on 300mm



DIN 10 50-55 HRC HELICAL TEETH

Teeth milled to DIN 10h27, pressure angle 20°
 Right or left-hand, helix angle 19°31'42"
 Mounting side and bottom milled (Ra=3.2)
 Material: C45
 Heat treatment: induction-hardening on teeth only (50-55 HRC)
 Decorative black coating (thickness under 3µm)

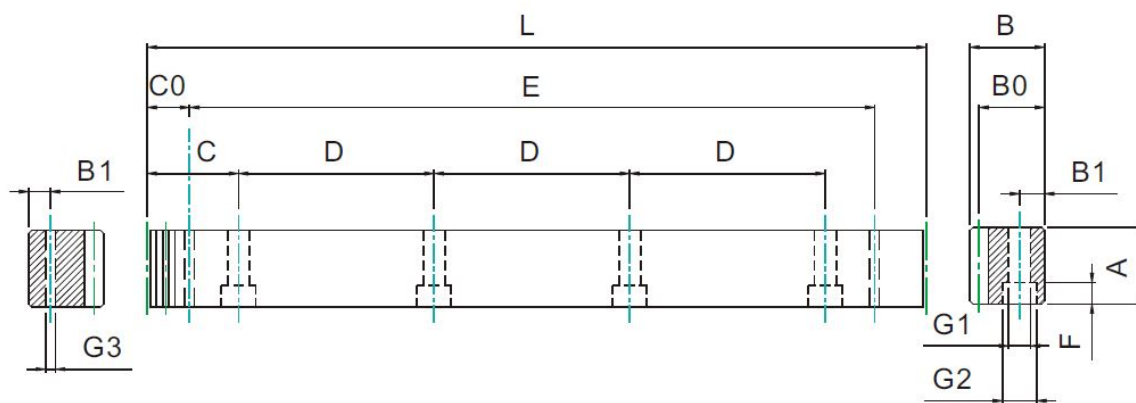
REFERENCE	M ⁽¹⁾	L	L2	Z ⁽²⁾	A	B	B0	C	D	H ⁽³⁾	B1	G1	G2	F	C0	E	G3	CPE ⁽⁴⁾
M1.5-H-IND-DIN10-500-HI	1.5	500.00	6	100	17	17	15.5	62.50	125	4	8	6	9.5	7	31.7	436.6	5.7	0.083
M1.5-H-IND-DIN10-1000-HI	1.5	1000.00	6	200	17	17	15.5	62.50	125	8	8	6	9.5	7	31.7	936.6	5.7	0.083
M2-H-IND-DIN10-500-HI	2	500.00	8.5	75	24	24	22	62.50	125	4	8	7	11	7	31.7	426.6	5.7	0.086
M2-H-IND-DIN10-1000-HI	2	1000.00	8.5	150	24	24	22	62.50	125	8	8	7	11	7	31.7	936.6	5.7	0.086
M3-H-IND-DIN10-500-HI	3	500.00	10.3	50	29	29	26	62.50	125	4	9	10	15	9	35.0	430.0	7.7	0.091
M3-H-IND-DIN10-1000-HI	3	1000.00	10.3	100	29	29	26	62.50	125	8	9	10	15	9	35.0	930.0	7.7	0.091
M4-H-IND-DIN10-500-HI	4	506.67	13.8	38	39	39	35	62.50	125	4	12	10	15	9	33.3	433.0	7.7	0.095
M4-H-IND-DIN10-1000-HI	4	1000.00	13.8	75	39	39	35	62.50	125	8	12	10	15	9	33.3	933.4	7.7	0.095
M5-H-IND-DIN10-500-HI	5	500.00	17.4	30	49	39	34	62.50	125	4	12	14	20	13	37.5	425.0	11.7	0.098
M5-H-IND-DIN10-1000-HI	5	1000.00	17.4	60	49	39	34	62.50	125	8	12	14	20	13	37.5	925.0	11.7	0.098
M6-H-IND-DIN10-500-HI	6	500.00	20.9	25	59	49	43	62.50	125	4	16	18	26	17	37.5	425.0	15.7	0.100
M6-H-IND-DIN10-1000-HI	6	1000	20.9	50	59	49	43	62.50	125	8	16	18	26	17	37.5	925.0	15.7	0.100
M8-H-IND-DIN10-500-HI	8	480.00	28.0	18	79	79	71	60.00	120	4	25	22	33	21	120.0	240.0	17.7	0.105
M8-H-IND-DIN10-1000-HI	8	960.00	28.0	36	79	79	71	60.00	120	8	25	22	33	21	120.0	720.0	17.7	0.105



Each model hereabove can be ordered without holes by simply replacing "HI" by "HO" at the end of the reference.
 All dimensions are mm. Other sizes and modules available upon request. 2D/3D Drawings available upon request
 (1) : M = Module / (2) : Z = Number of teeth / (3) : H = Number of holes / (4) : CPE = Cumulative Pitch Error on 300mm

DIN 9 C45 STRAIGHT TEETH

Teeth milled to DIN 9h25, pressure angle 20°
Sides and bottom milled (Ra=3.2)
Material: C45 (quenched)



REFERENCE	M ⁽¹⁾	L	Z ⁽²⁾	A	B	B0	C	D	H ⁽³⁾	B1	G1	G2	F	C0	E	G3	CPE ⁽⁴⁾
M1.5-S-C45-DIN9-500-H1	1.5	499.51	106	17	17	15.5	62.44	124.88	4	8	6	9.5	7	29.0	441.5	5.7	0.042
M1.5-S-C45-DIN9-1000-H1	1.5	999.03	212	17	17	15.5	62.44	124.88	8	8	6	9.5	7	29.0	941.0	5.7	0.042
M2-S-C45-DIN9-500-H1	2	502.64	80	24	24	22	62.83	125.66	4	8	7	11	7	31.3	440.1	5.7	0.044
M2-S-C45-DIN9-1000-H1	2	1005.28	160	24	24	22	62.83	125.66	8	8	7	11	7	31.3	942.7	5.7	0.044
M3-S-C45-DIN9-500-H1	3	508.95	54	29	29	26	63.62	127.23	4	9	10	15	9	34.4	440.1	7.7	0.046
M3-S-C45-DIN9-1000-H1	3	1017.9	108	29	29	26	63.62	127.23	8	9	10	15	9	34.4	949.9	7.7	0.046
M4-S-C45-DIN9-500-H1	4	502.64	40	39	39	35	62.83	125.66	4	12	10	15	9	37.5	427.7	7.7	0.048
M4-S-C45-DIN9-1000-H1	4	1005.28	80	39	39	35	62.83	125.66	8	12	10	15	9	37.5	930.3	7.7	0.048
M5-S-C45-DIN9-500-H1	5	502.65	32	49	39	34	62.83	125.66	4	12	14	20	13	30.1	442.4	11.7	0.050
M5-S-C45-DIN9-1000-H1	5	1005.31	64	49	39	34	62.83	125.66	8	12	14	20	13	30.1	945	11.7	0.050
M6-S-C45-DIN9-500-H1	6	508.95	27	59	49	43	63.62	127.23	4	16	18	26	17	31.4	446.1	15.7	0.055
M6-S-C45-DIN9-1000-H1	6	1017.9	54	59	49	43	63.62	127.23	8	16	18	26	17	31.4	955.0	15.7	0.055
M8-S-C45-IS9-500-H1	8	502.64	20	79	79	71	62.83	125.66	4	25	22	33	21	26.6	449.5	19.7	0.060
M8-S-C45-DIN9-1000-H1	8	1005.28	40	79	79	71	62.83	125.66	8	25	22	33	21	26.6	952	19.7	0.060

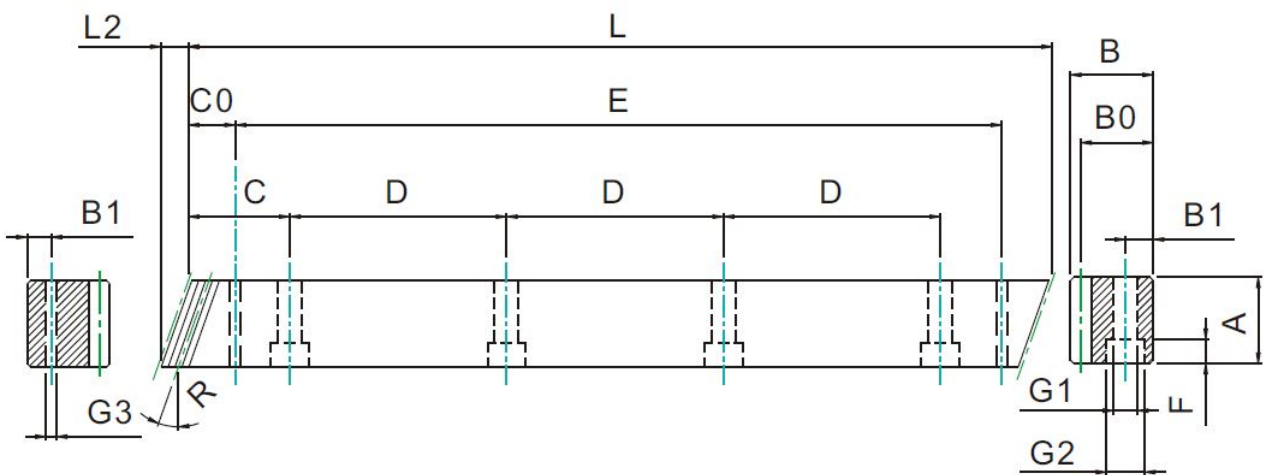
Each model hereabove can be ordered without holes by simply replacing "H1" by "H0" at the end of the reference.
All dimensions are mm. Other sizes and modules available upon request. 2D/3D Drawings available upon request
(1): M = Module / (2) : Z = Number of teeth / (3) : H = Number of holes / (4) : CPE = Cumulative Pitch Error on 300mm



DIN 9 C45 HELICAL TEETH

Teeth milled to DIN 9h25, pressure angle 20°
 Right or left-hand, helix angle 19°31'42"
 Sides and bottom milled (Ra=3.2)
 Material: C45 (quenched)

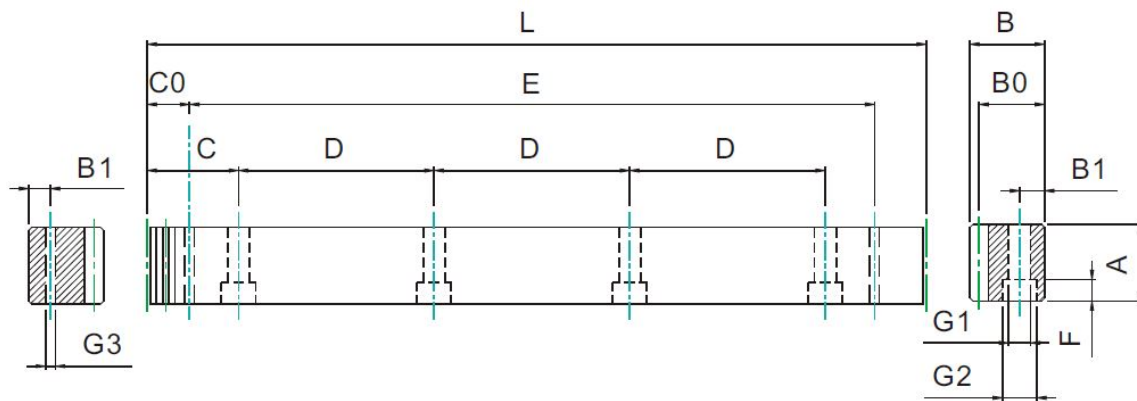
REFERENCE	M ⁽¹⁾	L	L2	Z ⁽²⁾	A	B	B0	C	D	H ⁽³⁾	B1	G1	G2	F	C0	E	G3	CPE ⁽⁴⁾
M1.5-H-C45-DIN9-500-H1	1.5	500.00	6	100	17	17	15.5	62.50	125	4	8	6	9.5	7	31.7	436.6	5.7	0.042
M1.5-H-C45-DIN9-1000-H1	1.5	1000.00	6	200	17	17	15.5	62.50	125	8	8	6	9.5	7	31.7	936.6	5.7	0.042
M2-H-C45-DIN9-500-H1	2	500.00	8.5	75	24	24	22	62.50	125	4	8	7	11	7	31.7	426.6	5.7	0.044
M2-H-C45-DIN9-1000-H1	2	1000.00	8.5	150	24	24	22	62.50	125	8	8	7	11	7	31.7	936.6	5.7	0.044
M3-H-C45-DIN9-500-H1	3	500.00	10.3	50	29	29	26	62.50	125	4	9	10	15	9	35.0	430.0	7.7	0.046
M3-H-C45-DIN9-1000-H1	3	1000.00	10.3	100	29	29	26	62.50	125	8	9	10	15	9	35.0	930.0	7.7	0.046
M4-H-C45-DIN9-500-H1	4	506.67	13.8	38	39	39	35	62.50	125	4	12	10	15	9	33.3	433.0	7.7	0.048
M4-H-C45-DIN9-1000-H1	4	1000.00	13.8	75	39	39	35	62.50	125	8	12	10	15	9	33.3	933.4	7.7	0.048
M5-H-C45-DIN9-500-H1	5	500.00	17.4	30	49	39	34	62.50	125	4	12	14	20	13	37.5	425.0	11.7	0.050
M5-H-C45-DIN9-1000-H1	5	1000.00	17.4	60	49	39	34	62.50	125	8	12	14	20	13	37.5	925.0	11.7	0.050
M6-H-C45-DIN9-500-H1	6	500.00	20.9	25	59	49	43	62.50	125	4	16	18	26	17	37.5	425.0	15.7	0.055
M6-H-C45-DIN9-1000-H1	6	1000	20.9	50	59	49	43	62.50	125	8	16	18	26	17	37.5	925.0	15.7	0.055
M8-H-C45-DIN9-500-H1	8	480.00	28.0	18	79	79	71	60.00	120	4	25	22	33	21	120.0	240.0	17.7	0.060
M8-H-C45-DIN9-1000-H1	8	960.00	28.0	36	79	79	71	60.00	120	8	25	22	33	21	120.0	720.0	17.7	0.060



Each model hereabove can be ordered without holes by simply replacing "H1" by "H0" at the end of the reference.
 All dimensions are mm. Other sizes and modules available upon request. 2D/3D Drawings available upon request
 (1) : M = Module / (2) : Z = Number of teeth / (3) : H = Number of holes / (4) : CPE = Cumulative Pitch Error on 300mm

DIN 8 42CrMo STRAIGHT TEETH

Teeth milled to DIN 8e27, pressure angle 20°
 Mounting side and bottom ground (Ra=0.8)
 Material: 42CrMo4
 Heat treatment: quench (15-20 HRC)



Reference	M ⁽¹⁾	L	Z ⁽²⁾	A	B	B0	C	D	H ⁽³⁾	B1	G1	G2	F	C0	E	G3	CPE ⁽⁴⁾
M1.5-S-PRE-DIN8-500-H1	1.5	499.51	106	17	17	15.5	62.44	124.88	4	8	6	9.5	7	29.0	441.5	5.7	0.042
M1.5-S-PRE-DIN8-1000-H1	1.5	999.03	212	17	17	15.5	62.44	124.88	8	8	6	9.5	7	29.0	941.0	5.7	0.042
M2-S-PRE-DIN8-500-H1	2	502.64	80	25	24	22	62.83	125.66	4	8	7	11	7	31.3	440.1	5.7	0.044
M2-S-PRE-DIN8-1000-H1	2	1005.28	160	25	24	22	62.83	125.66	8	8	7	11	7	31.3	942.7	5.7	0.044
M3-S-PRE-DIN8-500-H1	3	508.95	54	29	29	26	63.62	127.23	4	9	10	15	9	34.4	440.1	7.7	0.046
M3-S-PRE-DIN8-1000-H1	3	1017.9	108	29	29	26	63.62	127.23	8	9	10	15	9	34.4	949.9	7.7	0.046
M4-S-PRE-DIN8-500-H1	4	502.64	40	39	39	35	62.83	125.66	4	12	10	15	9	37.5	427.7	7.7	0.048
M4-S-PRE-DIN8-1000-H1	4	1005.28	80	40	39	35	62.83	125.66	8	12	10	15	9	37.5	930.3	7.7	0.048
M5-S-PRE-DIN8-500-H1	5	502.65	32	49	39	34	62.83	125.66	4	12	14	20	13	30.1	442.4	11.7	0.050
M5-S-PRE-DIN8-1000-H1	5	1005.31	64	49	39	34	62.83	125.66	8	12	14	20	13	30.1	945	11.7	0.050
M6-S-PRE-DIN8-500-H1	6	508.95	27	59	49	43	63.62	127.23	4	16	18	26	17	31.4	446.1	15.7	0.055
M6-S-PRE-DIN8-1000-H1	6	1017.9	54	59	49	43	63.62	127.23	8	16	18	26	17	31.4	955.0	15.7	0.055
M8-S-PRE-DIN8-500-H1	8	502.64	20	79	79	71	62.83	125.66	4	25	22	33	21	26.6	449.5	19.7	0.060
M8-S-PRE-DIN8-1000-H1	8	1005.28	40	79	79	71	62.83	125.66	8	25	22	33	21	26.6	952	19.7	0.060

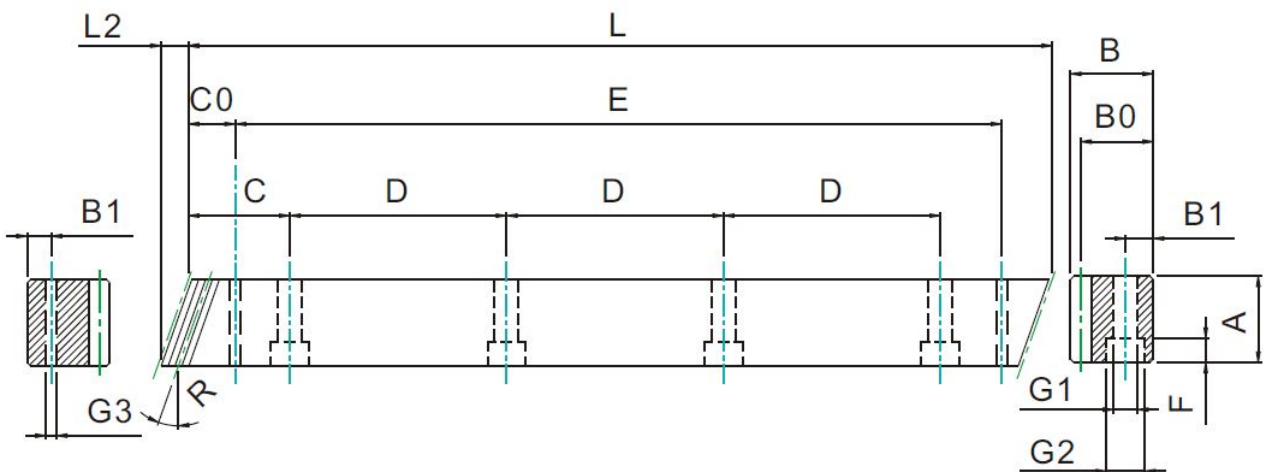
Each model hereabove can be ordered without holes by simply replacing "H1" by "H0" at the end of the reference.
 All dimensions are mm. Other sizes and modules available upon request. 2D/3D Drawings available upon request
 (1) : M = Module / (2) : Z = Number of teeth / (3) : H = Number of holes / (4) : CPE = Cumulative Pitch Error on 300mm



DIN 8 42CrMo HELICAL TEETH

Teeth milled to DIN 8e27, pressure angle 20°
 Right or left-hand, helix angle 19°31'42"
 Mounting side and bottom ground (Ra=0.8)
 Material: 42CrMo4
 Heat treatment: quench (15-20 HRC)

REFERENCE	M ⁽¹⁾	L	L2	Z ⁽²⁾	A	B	B0	C	D	H ⁽³⁾	B1	G1	G2	F	C0	E	G3	CPE ⁽⁴⁾
M1.5-H-PRE-DIN8-500-H1	1.5	500.00	6	100	17	17	15.5	62.50	125	4	8	6	9.5	7	31.7	436.6	5.7	0.042
M1.5-H- PRE-DIN8-1000-H1	1.5	1000.00	6	200	17	17	15.5	62.50	125	8	8	6	9.5	7	31.7	936.6	5.7	0.042
M2-H- PRE-DIN8-500-H1	2	500.00	8.5	75	24	24	22	62.50	125	4	8	7	11	7	31.7	426.6	5.7	0.044
M2-H- PRE-DIN8-1000-H1	2	1000.00	8.5	150	24	24	22	62.50	125	8	8	7	11	7	31.7	936.6	5.7	0.044
M3-H- PRE-DIN8-500-H1	3	500.00	10.3	50	29	29	26	62.50	125	4	9	10	15	9	35.0	430.0	7.7	0.046
M3-H- PRE-DIN8-1000-H1	3	1000.00	10.3	100	29	29	26	62.50	125	8	9	10	15	9	35.0	930.0	7.7	0.046
M4-H- PRE-DIN8-500-H1	4	506.67	13.8	38	39	39	35	62.50	125	4	12	10	15	9	33.3	433.0	7.7	0.048
M4-H- PRE-DIN8-1000-H1	4	1000.00	13.8	75	39	39	35	62.50	125	8	12	10	15	9	33.3	933.4	7.7	0.048
M5-H- PRE-DIN8-500-H1	5	500.00	17.4	30	49	39	34	62.50	125	4	12	14	20	13	37.5	425.0	11.7	0.050
M5-H- PRE-DIN8-1000-H1	5	1000.00	17.4	60	49	39	34	62.50	125	8	12	14	20	13	37.5	925.0	11.7	0.050
M6-H- PRE-DIN8-500-H1	6	500.00	20.9	25	59	49	43	62.50	125	4	16	18	26	17	37.5	425.0	15.7	0.055
M6-H- PRE-DIN8-1000-H1	6	1000	20.9	50	59	49	43	62.50	125	8	16	18	26	17	37.5	925.0	15.7	0.055
M8-H- PRE-DIN8-500-H1	8	480.00	28.0	18	79	79	71	60.00	120	4	25	22	33	21	120.0	240.0	17.7	0.060
M8-H- PRE-DIN8-1000-H1	8	960.00	28.0	36	79	79	71	60.00	120	8	25	22	33	21	120.0	720.0	17.7	0.060



Each model hereabove can be ordered without holes by simply replacing "H1" by "H0" at the end of the reference.
 All dimensions are mm. Other sizes and modules available upon request. 2D/3D Drawings available upon request
 (1): M = Module / (2) : Z = Number of teeth / (3) : H = Number of holes / (4) : CPE = Cumulative Pitch Error on 300mm

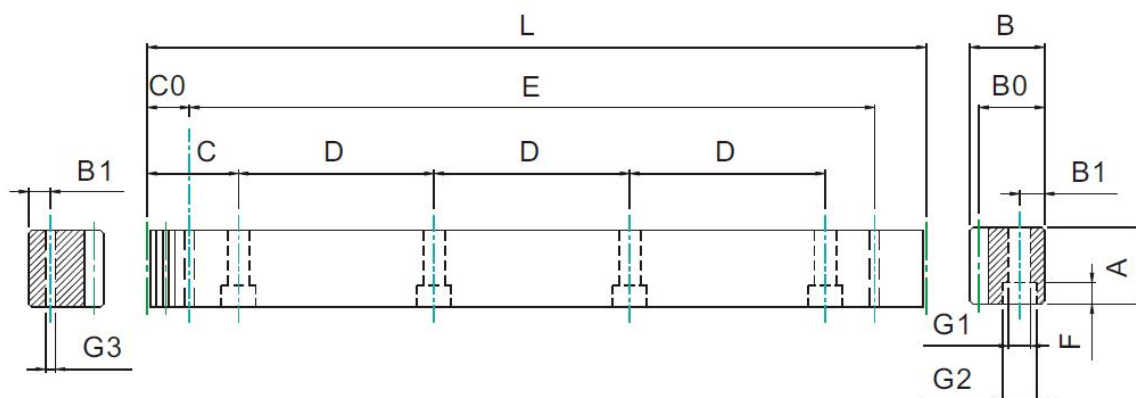
DIN 6 50-55 HRC STRAIGHT TEETH

Teeth ground to DIN 6e25, pressure angle 20°

Sides and bottom ground (Ra=0.8)

Material: C45

Heat treatment on teeth only: induction hardening (50-55 HRC)



Reference	M ⁽¹⁾	L	Z ⁽²⁾	A	B	B0	C	D	H ⁽³⁾	B1	G1	G2	F	C0	E	G3	CPE ⁽⁴⁾
M1.5-S-IND-DIN6-500-H1	1.5	499.51	106	17	17	15.5	62.44	124.88	4	8	6	9.5	7	29.0	441.5	5.7	0.021
M1.5-S-IND-DIN6-1000-H1	1.5	999.03	212	17	17	15.5	62.44	124.88	8	8	6	9.5	7	29.0	941.0	5.7	0.021
M2-S-IND-DIN6-500-H1	2	502.64	80	24	24	22	62.83	125.66	4	8	7	11	7	31.3	440.1	5.7	0.022
M2-S-IND-DIN6-1000-H1	2	1005.28	160	24	24	22	62.83	125.66	8	8	7	11	7	31.3	942.7	5.7	0.022
M3-S-IND-DIN6-500-H1	3	508.95	54	29	29	26	63.62	127.23	4	9	10	15	9	34.4	440.1	7.7	0.024
M3-S-IND-DIN6-1000-H1	3	1017.9	108	29	29	26	63.62	127.23	8	9	10	15	9	34.4	949.9	7.7	0.024
M4-S-IND-DIN6-500-H1	4	502.64	40	39	39	35	62.83	125.66	4	12	10	15	9	37.5	427.7	7.7	0.025
M4-S-IND-DIN6-1000-H1	4	1005.28	80	39	39	35	62.83	125.66	8	12	10	15	9	37.5	930.3	7.7	0.025
M5-S-IND-DIN6-500-H1	5	502.65	32	49	39	34	62.83	125.66	4	12	14	20	13	30.1	442.4	11.7	0.025
M5-S-IND-DIN6-1000-H1	5	1005.31	64	49	39	34	62.83	125.66	8	12	14	20	13	30.1	945	11.7	0.025
M6-S-IND-DIN6-500-H1	6	508.95	27	59	49	43	63.62	127.23	4	16	18	26	17	31.4	446.1	15.7	0.026
M6-S-IND-DIN6-1000-H1	6	1017.9	54	59	49	43	63.62	127.23	8	16	18	26	17	31.4	955.0	15.7	0.026
M8-S-IND-DIN6-500-H1	8	502.64	20	79	79	71	62.83	125.66	4	25	22	33	21	26.6	449.5	19.7	0.027
M8-S-IND-DIN6-1000-H1	8	1005.28	40	79	79	71	62.83	125.66	8	25	22	33	21	26.6	952	19.7	0.027

Each model hereabove can be ordered without holes by simply replacing "H1" by "H0" at the end of the reference.

All dimensions are mm. Other sizes and modules available upon request. 2D/3D Drawings available upon request

(1) : M = Module / (2) : Z = Number of teeth / (3) : H = Number of holes / (4) : CPE = Cumulative Pitch Error on 300mm



DIN 6 50-55 HRC HELICAL TEETH

Teeth ground to DIN 6e25, pressure angle 20°

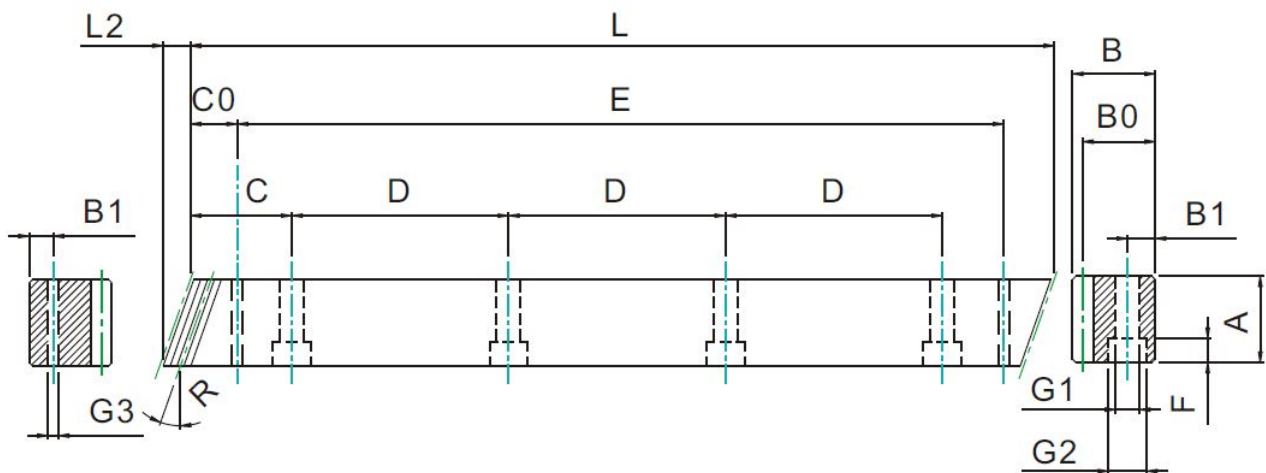
Right or left-hand helix, angle 19°31'42"

Sides and bottom ground (Ra=0.8)

Material: C45

Heat treatment on teeth only: induction hardening (50-55 HRC)

REFERENCE	M ⁽¹⁾	L	L2	Z ⁽²⁾	A	B	B0	C	D	H ⁽³⁾	B1	G1	G2	F	C0	E	G3	CPE ⁽⁴⁾
M1.5-H-IND-DIN6-500-H1	1.5	500.00	6	100	17	17	15.5	62.50	125	4	8	6	9.5	7	31.7	436.6	5.7	0.021
M1.5-H-IND-DIN6-1000-H1	1.5	1000.00	6	200	17	17	15.5	62.50	125	8	8	6	9.5	7	31.7	936.6	5.7	0.021
M2-H-IND-DIN6-500-H1	2	500.00	8.5	75	24	24	22	62.50	125	4	8	7	11	7	31.7	426.6	5.7	0.022
M2-H-IND-DIN6-1000-H1	2	1000.00	8.5	150	24	24	22	62.50	125	8	8	7	11	7	31.7	936.6	5.7	0.022
M3-H-IND-DIN6-500-H1	3	500.00	10.3	50	29	29	26	62.50	125	4	9	10	15	9	35.0	430.0	7.7	0.024
M3-H-IND-DIN6-1000-H1	3	1000.00	10.3	100	29	29	26	62.50	125	8	9	10	15	9	35.0	930.0	7.7	0.024
M4-H-IND-DIN6-500-H1	4	506.67	13.8	38	39	39	35	62.50	125	4	12	10	15	9	33.3	433.0	7.7	0.025
M4-H-IND-DIN6-1000-H1	4	1000.00	13.8	75	39	39	35	62.50	125	8	12	10	15	9	33.3	933.4	7.7	0.025
M5-H-IND-DIN6-500-H1	5	500.00	17.4	30	49	39	34	62.50	125	4	12	14	20	13	37.5	425.0	11.7	0.025
M5-H-IND-DIN6-1000-H1	5	1000.00	17.4	60	49	39	34	62.50	125	8	12	14	20	13	37.5	925.0	11.7	0.025
M6-H-IND-DIN6-500-H1	6	500.00	20.9	25	59	49	43	62.50	125	4	16	18	26	17	37.5	425.0	15.7	0.026
M6-H-IND-DIN6-1000-H1	6	1000	20.9	50	59	49	43	62.50	125	8	16	18	26	17	37.5	925.0	15.7	0.026
M8-H-IND-DIN6-500-H1	8	480.00	28.0	18	79	79	71	60.00	120	4	25	22	33	21	120.0	240.0	17.7	0.027
M8-H-IND-DIN6-1000-H1	8	960.00	28.0	36	79	79	71	60.00	120	8	25	22	33	21	120.0	720.0	17.7	0.027



Each model hereabove can be ordered without holes by simply replacing "H1" by "H0" at the end of the reference.
All dimensions are mm. Other sizes and modules available upon request. 2D/3D Drawings available upon request
(1) : M = Module / (2) : Z = Number of teeth / (3) : H = Number of holes / (4) : CPE = Cumulative Pitch Error on 300mm

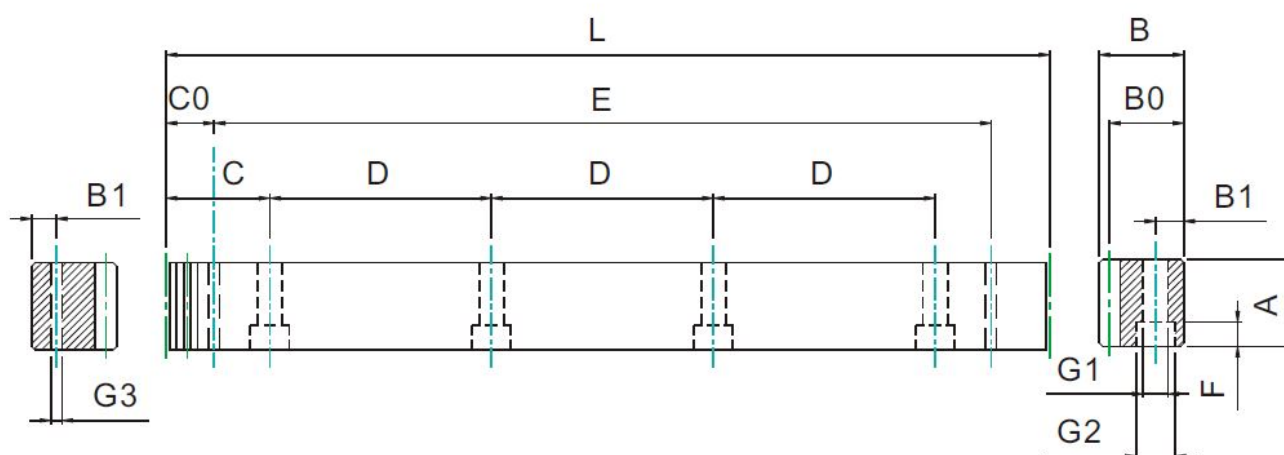
DIN 5 50-55 HRC STRAIGHT TEETH

Teeth ground to DIN 5e22, pressure angle 20°

Sides and bottom ground (Ra=0.8)

Material: C45

Heat treatment on teeth only: induction hardening (50-55 HRC)



Reference	M ⁽¹⁾	L	Z ⁽²⁾	A	B	B0	C	D	H ⁽³⁾	B1	G1	G2	F	C0	E	G3	CPE ⁽⁴⁾
M1.5-S-IND-DIN5-500-H1	1.5	499.51	106	17	17	15.5	62.44	124.88	4	8	6	9.5	7	29.0	441.5	5.7	0.014
M1.5-S-IND-DIN5-1000-H1	1.5	999.03	212	17	17	15.5	62.44	124.88	8	8	6	9.5	7	29.0	941.0	5.7	0.014
M2-S-IND-DIN5-500-H1	2	502.64	80	24	24	22	62.83	125.66	4	8	7	11	7	31.3	440.1	5.7	0.016
M2-S-IND-DIN5-1000-H1	2	1005.28	160	24	24	22	62.83	125.66	8	8	7	11	7	31.3	942.7	5.7	0.016
M3-S-IND-DIN5-500-H1	3	508.95	54	29	29	26	63.62	127.23	4	9	10	15	9	34.4	440.1	7.7	0.017
M3-S-IND-DIN5-1000-H1	3	1017.9	108	29	29	26	63.62	127.23	8	9	10	15	9	34.4	949.9	7.7	0.017
M4-S-IND-DIN5-500-H1	4	502.64	40	39	39	35	62.83	125.66	4	12	10	15	9	37.5	427.7	7.7	0.018
M4-S-IND-DIN5-1000-H1	4	1005.28	80	39	39	35	62.83	125.66	8	12	10	15	9	37.5	930.3	7.7	0.018
M5-S-IND-DIN5-500-H1	5	502.65	32	49	39	34	62.83	125.66	4	12	14	20	13	30.1	442.4	11.7	0.018
M5-S-IND-DIN5-1000-H1	5	1005.31	64	49	39	34	62.83	125.66	8	12	14	20	13	30.1	945	11.7	0.018
M6-S-IND-DIN5-500-H1	6	508.95	27	59	49	43	63.62	127.23	4	16	18	26	17	31.4	446.1	15.7	0.020
M6-S-IND-DIN5-1000-H1	6	1017.9	54	59	49	43	63.62	127.23	8	16	18	26	17	31.4	955.0	15.7	0.020
M8-S-IND-DIN5-500-H1	8	502.64	20	79	79	71	62.83	125.66	4	25	22	33	21	26.6	449.5	19.7	0.020
M8-S-IND-DIN5-1000-H1	8	1005.28	40	79	79	71	62.83	125.66	8	25	22	33	21	26.6	952	19.7	0.020

Each model hereabove can be ordered without holes by simply replacing "H1" by "H0" at the end of the reference.

All dimensions are mm. Other sizes and modules available upon request. 2D/3D Drawings available upon request

(1) : M = Module / (2) : Z = Number of teeth / (3) : H = Number of holes / (4) : CPE = Cumulative Pitch Error on 300mm



DIN 5 50-55 HRC HELICAL TEETH

Teeth ground to DIN 5e22, pressure angle 20°

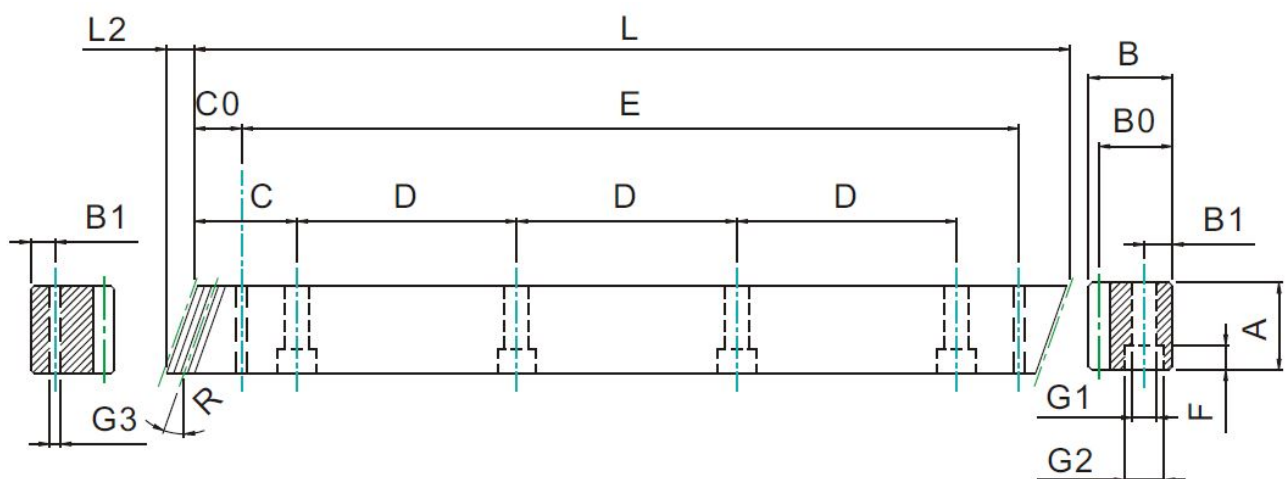
Right or left-hand helix, angle 19°31'42"

Sides and bottom ground (Ra=0.8)

Material: C45

Heat treatment on teeth only: induction hardening (50-55 HRC)

REFERENCE	M ⁽¹⁾	L	L2	Z ⁽²⁾	A	B	B0	C	D	H ⁽³⁾	B1	G1	G2	F	C0	E	G3	CPE ⁽⁴⁾
M1.5-H-IND-DIN5-500-H1	1.5	500.00	6	100	17	17	15.5	62.50	125	4	8	6	9.5	7	31.7	436.6	5.7	0.014
M1.5-H-IND-DIN5-1000-H1	1.5	1000.00	6	200	17	17	15.5	62.50	125	8	8	6	9.5	7	31.7	936.6	5.7	0.014
M2-H-IND-DIN5-500-H1	2	500.00	8.5	75	24	24	22	62.50	125	4	8	7	11	7	31.7	426.6	5.7	0.016
M2-H-IND-DIN5-1000-H1	2	1000.00	8.5	150	24	24	22	62.50	125	8	8	7	11	7	31.7	936.6	5.7	0.016
M3-H-IND-DIN5-500-H1	3	500.00	10.3	50	29	29	26	62.50	125	4	9	10	15	9	35.0	430.0	7.7	0.017
M3-H-IND-DIN5-1000-H1	3	1000.00	10.3	100	29	29	26	62.50	125	8	9	10	15	9	35.0	930.0	7.7	0.017
M4-H-IND-DIN5-500-H1	4	506.67	13.8	38	39	39	35	62.50	125	4	12	10	15	9	33.3	433.0	7.7	0.018
M4-H-IND-DIN5-1000-H1	4	1000.00	13.8	75	39	39	35	62.50	125	8	12	10	15	9	33.3	933.4	7.7	0.018
M5-H-IND-DIN5-500-H1	5	500.00	17.4	30	49	39	34	62.50	125	4	12	14	20	13	37.5	425.0	11.7	0.019
M5-H-IND-DIN5-1000-H1	5	1000.00	17.4	60	49	39	34	62.50	125	8	12	14	20	13	37.5	925.0	11.7	0.019
M6-H-IND-DIN5-500-H1	6	500.00	20.9	25	59	49	43	62.50	125	4	16	18	26	17	37.5	425.0	15.7	0.020
M6-H-IND-DIN5-1000-H1	6	1000	20.9	50	59	49	43	62.50	125	8	16	18	26	17	37.5	925.0	15.7	0.020
M8-H-IND-DIN5-500-H1	8	480.00	28.0	18	79	79	71	60.00	120	4	25	22	33	21	120.0	240.0	17.7	0.020
M8-H-IND-DIN5-1000-H1	8	960.00	28.0	36	79	79	71	60.00	120	8	25	22	33	21	120.0	720.0	17.7	0.020



Each model hereabove can be ordered without holes by simply replacing "H1" by "H0" at the end of the reference.
All dimensions are mm. Other sizes and modules available upon request. 2D/3D Drawings available upon request
(1) : M = Module / (2) : Z = Number of teeth / (3) : H = Number of holes / (4) : CPE = Cumulative Pitch Error on 300mm