

# MODULTEILUNG

## À PAS MODULE MODULAR PITCH

gehärtet und geschliffen trempée et rectifiée hardened and ground
Quality 6h23

Module (mm)  
1.5 2 2.5 3 4 5 6 8 10

### Gerade verzahnt, gehärtet geschliffen

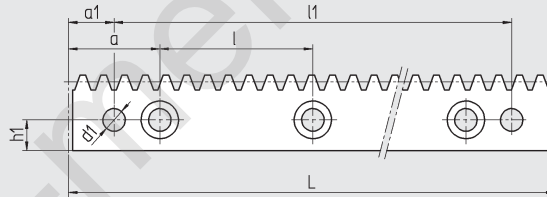
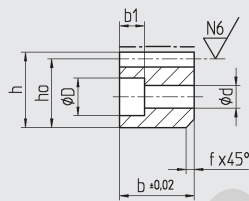
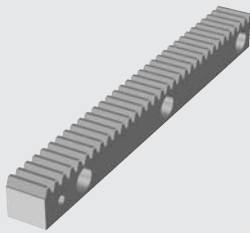
**Material:** C45E DIN 1.1191  
**Profil:** allseitig geschliffen  
**Zahnung:** Eingriffswinkel  $\alpha=20^\circ$   
gehärtet und geschliffen  
**Qualität:** 6h23 DIN 3962/63/67  
**f<sub>p</sub>** (mm): Modul  $\leq 3$  ; 0.006  
Modul  $> 3$  ; 0.008  
**P<sub>f</sub>** (mm): -0.05/-0.2  
**f<sub>p</sub>** (mm):  
Teilungs-Einzelabweichung  
Erreur individuelle de pas  
Adjacent pitch error

### Dentures droites, trempées et rectifiées

**Matière:** C45E DIN 1.1191  
**Profil:** rectifiée toutes les faces  
**Denture:** angle de pression  $\alpha=20^\circ$   
trempée et rectifiée  
**Qualité:** 6h23 DIN 3962/63/67  
**f<sub>p</sub>** (mm): Modul  $\leq 3$  ; 0.006  
Modul  $> 3$  ; 0.008  
**P<sub>f</sub>** (mm): -0.05/-0.2  
**f<sub>p</sub>** (mm):  
Teilungs-Gesamtabweichung  
Erreur totale de pas  
Cumulative pitch error

### Straight tooth, hardened and ground

**Material:** C45E DIN 1.1191  
**Profil:** all faces ground  
**Teeth:** pressure angle  $\alpha=20^\circ$   
hardened and ground  
**Quality:** 6h23 DIN 3962/63/67  
**f<sub>p</sub>** (mm): Modul  $\leq 3$  ; 0.006  
Modul  $> 3$  ; 0.008  
**P<sub>f</sub>** (mm): -0.05/-0.2  
**f<sub>p</sub>** (mm):  
Toleranz der teilungsgenauen Ablängung  
Tolérance de coupe par rapport au pas  
Tolerance of cut for continuous mounting



Part No.	p	Modul	L	z	b	h	h <sub>0</sub>	f <sup>+0.5</sup>	a	l	h <sub>1</sub>	d	D	b <sub>1</sub>	a <sub>1</sub>	l <sub>1</sub>	d <sub>1</sub>	F <sub>p</sub>	m(kg)
240012	4.712	1.5	499.51	106	19	19	17.50	2	62.44	124.88	8	7	11	7	29.0	441.5	5.7	0.029	1.3
240013	4.712	1.5	999.03	212	19	19	17.50	2	62.44	124.88	8	7	11	7	29.0	941.0	5.7	0.043	2.6
240022	6.283	2.0	502.65	80	24	24	22.00	2	62.83	125.66	8	7	11	7	31.3	440.1	5.7	0.025	2.1
240023	6.283	2.0	1005.31	160	24	24	22.00	2	62.83	125.66	8	7	11	7	31.3	942.7	5.7	0.036	4.2
240032	7.854	2.5	502.65	64	24	24	21.50	2	62.83	125.66	9	7	11	7	31.3	440.1	5.7	0.027	2.0
240033	7.854	2.5	1005.31	128	24	24	21.50	2	62.83	125.66	9	7	11	7	31.3	942.7	5.7	0.036	4.1
240042	9.425	3.0	508.94	54	29	29	26.00	2	63.62	127.23	9	10	15	9	34.4	440.1	7.7	0.029	3.0
240043	9.425	3.0	1017.88	108	29	29	26.00	2	63.62	127.23	9	10	15	9	34.4	949.1	7.7	0.037	6.0
240052	12.566	4.0	502.65	40	39	39	35.00	2	62.83	125.66	12	10	15	9	37.5	427.7	7.7	0.030	5.4
240053	12.566	4.0	1005.31	80	39	39	35.00	2	62.83	125.66	12	10	15	9	37.5	930.3	7.7	0.037	10.8
240062	15.708	5.0	502.65	32	49	39	34.00	3	62.83	125.66	12	14	20	13	30.2	442.3	11.7	0.028	6.6
240063	15.708	5.0	1005.31	64	49	39	34.00	3	62.83	125.66	12	14	20	13	30.2	944.9	11.7	0.034	13.1
240072	18.850	6.0	508.94	27	59	49	43.00	3	63.62	127.23	16	18	26	17	31.4	446.1	15.7	0.031	10.1
240073	18.850	6.0	1017.88	54	59	49	43.00	3	63.62	127.23	16	18	26	17	31.4	955.0	15.7	0.036	20.3
240082	25.133	8.0	502.65	20	79	79	71.00	3	62.83	125.66	25	22	33	21	26.7	449.3	19.7	0.029	22.1
240083	25.133	8.0	1005.31	40	79	79	71.00	3	62.83	125.66	25	22	33	21	26.7	952.0	19.7	0.033	44.3
240092	31.416	10.0	502.65	16	99	99	89.00	3	62.83	125.66	32	33	48	32	125.2	252.3	19.7	0.029	34.8
240093	31.416	10.0	1005.31	32	99	99	89.00	3	62.83	125.66	32	33	48	32	125.2	755.0	19.7	0.032	69.5

p (mm) Teilung, pas, pitch      z Zähnezahl / No de dents / Number of teeth      d<sub>1</sub>: vorgebohrt/préperçé/predrilled



Einbau / Montage / Assembly  
Seite / Page 03.40



Seite / Page 03.13



Seite / Page 07.04-07.15

# MODULTEILUNG

## À PAS MODULE MODULAR PITCH

gehärtet und ballig geschliffen  
trempee, rectifiée et bombée  
hardened, ground, crowned  
Quality  
6f24

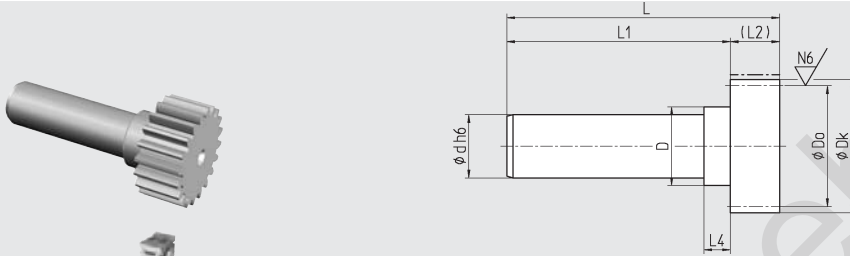
Module (mm)  
1 1.5 2 2.5 3 4 5 6 8 10

### Gerade verzahnt, gehärtet und geschliffen    Dentures droites, trempées et réctifiées    Straight tooth, hardened and ground

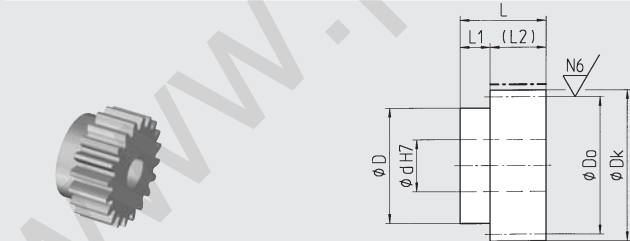
**Material:** 16MnCr5 DIN 1.7131  
Welle/Bohrung weich  
**Zahnung:** Eingriffswinkel  $\alpha=20^\circ$   
gerade verzahnt  
gehärtet und ballig geschliffen  
**Qualität:** 6f24 DIN 3962/63/67  
**f<sub>p</sub>** (mm): Modul  $\leq 3$  ; 0.006  
Modul  $> 3$  ; 0.008  
**f<sub>p</sub>** (mm): Teilungs-Einzelabweichung

**Matière:** 16MnCr5 DIN 1.7131  
arbre/alésage non trempé  
**Denture:** angle de pression  $\alpha=20^\circ$   
denture droite  
trempee, rectifiée et bombée  
**Qualité:** 6f24 DIN 3962/63/67  
**f<sub>p</sub>** (mm): Modul  $\leq 3$  ; 0.006  
Modul  $> 3$  ; 0.008  
**f<sub>p</sub>** (mm): Erreur individuelle de pas

**Material:** 16MnCr5 DIN 1.7131  
shaft/bore soft  
**Teeth:** pressure angle  $\alpha=20^\circ$   
straight teeth  
hardened, ground, crowned  
6f24 DIN 3962/63/67  
**f<sub>p</sub>** (mm): Modul  $\leq 3$  ; 0.006  
Modul  $> 3$  ; 0.008  
**f<sub>p</sub>** (mm): Adjacent pitch error



Part No.		p	Modul	z	d	D <sub>k</sub>	D <sub>0</sub>	D	L	L <sub>1</sub>	L <sub>2</sub>	L <sub>4</sub>	J	m[kg]
201 020	AE 030	3.142	1.0	20	12	22.0	20.0	16	70	55	15	2.5	3	0.09
201 025	AE 030	3.142	1.0	25	12	27.0	25.0	16	70	60.5	9.5	2.5	4	0.09
201 116	AE 030	4.712	1.5	16	12	27.9	24.9	16	90	70	20	4.5	7	0.14
201 120	AE 045	4.712	1.5	20	20	33.0	30.0	26	110	90	20	4.5	24	0.34
201 216	AE 045	6.283	2.0	16	20	37.2	33.2	26	110	90	20	8.0	31	0.37
201 220	AE 060	6.283	2.0	20	25	44.0	40.0	32	140	120	20	8.0	79	0.68
201 320	AE 060	7.854	2.5	20	25	55.0	50.0	32	145	120	25	8.0	160	0.86
201 416	AE 060	9.425	3.0	16	25	55.8	49.8	32	150	120	30	8.0	181	0.93
201 420	AE 090	9.425	3.0	20	40	66.0	60.0	50	190	160	30	12.5	647	2.30
201 520	AE 090	12.566	4.0	20	40	88.0	80.0	50	200	160	40	18.0	1619	3.24
201 620	AE 120	15.708	5.0	20	60	110.0	100.0	85	310	260	50	35.0	7461	9.57
201 720	AE 120	18.850	6.0	20	60	132.0	120.0	85	320	260	60	35.0	13159	11.80
201 820	AE 120	25.133	8.0	20	60	176.0	160.0	85	340	260	80	35.0	43780	19.06
201 821	AE 180	25.133	8.0	20	90	176.0	160.0	105	385	305	80	35.0	56971	28.31
201 916	AE 180	31.416	10.0	16	90	186.0	166.0	105	410	310	100	40.0	67473	31.78



Part No.		p	Modul	z	d	D <sub>k</sub>	D <sub>0</sub>	D	L	L <sub>1</sub>	L <sub>2</sub>	J	m(kg)
254 012		4.712	1.5	20	10	33.0	30.0	25.0	28.0	8.0	20	15	0.12
254 022		6.283	2.0	20	15	44.0	40.0	34.5	30.0	10.0	20	50	0.23
254 032		7.854	2.5	20	15	55.0	50.0	40.0	37.0	12.0	25	142	0.45
254 042		9.425	3.0	20	15	66.0	60.0	40.0	44.0	14.0	30	323	0.74
254 052		12.566	4.0	20	30	88.0	80.0	65.0	59.0	19.0	40	1447	1.62
254 062		15.708	5.0	20	40	110.0	100.0	85.0	70.0	20.0	50	4293	2.88
254 072		18.850	6.0	20	50	132.0	120.0	104.0	100.0	40.0	60	12772	6.46
254 082		25.133	8.0	20	50	176.0	160.0	120.0	130.0	50.0	80	47465	15.0
254 092		31.416	10.0	20	50	220.0	200.0	150.0	150.0	50.0	100	141188	29.10

p (mm) Teilung, pas, pitch    z Zähnezahl / No de dents / Number of teeth    J (10<sup>-6</sup> kg m<sup>2</sup>)Inertia