



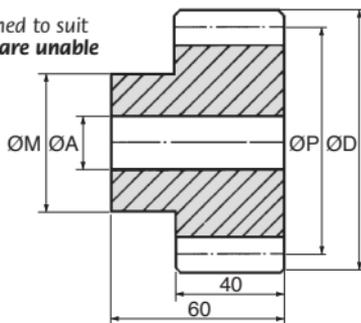
C45 steel

Module  
**4,0**

- **Economy range of gears**
- Pressure angle 20°
- Material:  
C45 steel UNI7845

## Info

- Pilot bore information is given as a guide only and may vary between batches
- Gear should be finished to suit the application, **we are unable to offer this service**



Supplied pre-bored



**Economy range**

## DISCOUNTS

Qty	1+	4+	10+
Disc.	List	-5%	On request

Part number	Z Teeth	ØP PCD	ØD External	ØM Boss	ØA Pilot bore	Stock*	Price each 1 to 3
G4-12/ECO	12	48	56	35	14	✓	11,24 €
G4-13/ECO	13	52	60	40	14	✓	13,06 €
G4-14/ECO	14	56	64	45	14	-	14,82 €
G4-15/ECO	15	60	68	45	14	✓	16,76 €
G4-16/ECO	16	64	72	50	15	-	19,26 €
G4-17/ECO	17	68	76	50	15	✓	21,55 €
G4-18/ECO	18	72	80	50	15	✓	23,14 €
G4-19/ECO	19	76	84	60	15	-	23,52 €
G4-20/ECO	20	80	88	60	15	✓	25,21 €
G4-21/ECO	21	84	92	70	20	✓	26,34 €
G4-22/ECO	22	88	96	70	20	-	28,77 €
G4-23/ECO	23	92	100	75	20	-	32,06 €
G4-24/ECO	24	96	104	75	20	✓	33,94 €
G4-25/ECO	25	100	108	75	20	✓	35,91 €
G4-26/ECO	26	104	112	75	20	-	38,20 €
G4-27/ECO	27	108	116	75	20	-	42,11 €
G4-28/ECO	28	112	120	75	20	✓	44,46 €
G4-29/ECO	29	116	124	75	20	-	46,00 €
G4-30/ECO	30	120	128	75	20	✓	48,91 €
G4-31/ECO	31	124	132	80	20	-	49,84 €
G4-32/ECO	32	128	136	80	20	-	51,65 €
G4-33/ECO	33	132	140	80	20	-	53,99 €
G4-34/ECO	34	136	144	80	20	-	56,48 €
G4-35/ECO	35	140	148	80	20	-	59,43 €
G4-36/ECO	36	144	152	80	20	-	73,40 €

\*Depending on availability - Dimensions in mm

# Steel spur gear



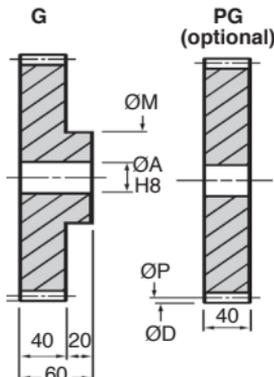
## Module 4.0

## Steel 20NCD2



- Precision class 9
- Pressure angle 20°
- Linear speed 300m/min

Torque and power indication			
For 50 teeth at 1000 rpm			
	20NCD2	20NCD2 Z10CNF18.09 hardened	brass
Nm	200	953	100
kW	20.88	99.96	10.44



### DISCOUNTS

Qty	1+	4+	20+
Disc. List	-5%		On request

Part number	Z teeth	PCD ØP	External ØD	Boss ØM	Bore ØA	Weight (kg)		Price each 1 to 5	
						G	PG	G	PG
G4-9	9	40,00	48,00	30	20	0,349	0,288	69,23 €	
G4-10	10	44,00	52,00	34	20	0,460	0,369	67,24 €	
G4-11	11	48,00	56,00	38	25	0,502	0,404	69,23 €	
G4-12	12	48,00	56,00	38	25	0,502	0,404	68,73 €	
G4-13	13	52,00	60,00	38	25	0,598	0,500	74,72 €	
G4-14	14	56,00	64,00	40	25	0,721	0,604	77,79 €	
G4-15	15	60,00	68,00	40	25	0,832	0,715	88,34 €	
G4-16	16	64,00	72,00	50	25	1,060	0,834	100,84 €	
G4-17	17	68,00	76,00	50	25	1,187	0,961	106,28 €	
G4-18	18	72,00	80,00	50	25	1,321	1,096	108,08 €	
G4-19	19	76,00	84,00	50	25	1,464	1,238	115,82 €	
G4-20	20	80,00	88,00	50	25	1,614	1,388	117,46 €	
G4-21	21	84,00	92,00	50	25	1,771	1,546	125,74 €	
G4-22	22	88,00	96,00	50	25	1,937	1,711	132,35 €	
G4-23	23	92,00	100,00	50	25	2,110	1,884	130,59 €	
G4-24	24	96,00	104,00	50	25	2,291	2,065	133,63 €	
G4-25	25	100,00	108,00	80	30	2,849	2,188	138,48 €	
G4-26	26	104,00	112,00	80	30	3,045	2,384	149,05 €	
G4-27	27	108,00	116,00	80	30	3,249	2,588	155,56 €	
G4-28	28	112,00	120,00	80	30	3,460	2,799	156,91 €	
G4-29	29	116,00	124,00	80	30	3,680	3,018	167,14 €	
G4-30	30	120,00	128,00	80	30	3,907	3,245	168,21 €	

On request

Dimensions in mm

## DISCOUNTS

Qty	1+	4+	20+
Disc. List	-5%	On request	

Part number	Z teeth	PCD ØP	External ØD	Boss ØM	Bore ØA	Weight (kg)		Price each 1 to 5		
						G	PG	G	PG	
G4-31	31	124,00	132,00	80	30	4,141	3,480	184,65 €		
G4-32	32	128,00	136,00	80	30	4,383	3,722	195,53 €		
G4-33	33	132,00	140,00	80	30	4,633	3,972	216,95 €		
G4-34	34	136,00	144,00	80	30	4,891	4,230	223,70 €		
G4-35	35	140,00	148,00	80	30	5,157	4,495	238,82 €		
G4-36	36	144,00	152,00	80	30	5,430	4,769	256,96 €		
G4-37	37	148,00	156,00	80	30	5,710	5,049	272,37 €		
G4-38	38	152,00	160,00	80	30	5,999	5,338	276,54 €		
G4-39	39	156,00	164,00	80	30	6,295	5,634	292,00 €		
G4-40	40	160,00	168,00	80	30	6,599	5,938	301,72 €		
G4-41	41	164,00	172,00	80	30	6,911	6,249	313,19 €		
G4-42	42	168,00	176,00	80	30	7,230	6,569	341,68 €		
G4-43	43	172,00	180,00	80	30	7,557	6,896	347,34 €		
G4-44	44	176,00	184,00	80	30	7,891	7,230	353,26 €		
G4-45	45	180,00	188,00	80	30	8,234	7,573	347,48 €		
G4-46	46	184,00	192,00	80	30	8,584	7,923	363,23 €		
G4-47	47	188,00	196,00	80	30	8,941	8,280	367,32 €		
G4-48	48	192,00	200,00	80	30	9,307	8,646	371,48 €		
G4-49	49	196,00	204,00	80	30	9,680	9,019	442,29 €		
G4-50	50	200,00	208,00	80	30	10,061	9,400	442,29 €		
G4-51	51	204,00	212,00	120	30	11,411	9,788	442,29 €		
G4-52	52	208,00	216,00	120	30	11,807	10,184	442,29 €		
G4-53	53	212,00	220,00	120	30	12,211	10,588	442,29 €		
G4-54	54	216,00	224,00	120	30	12,622	11,000	442,29 €		
G4-55	55	220,00	228,00	120	30	13,042	11,419	520,85 €		
G4-56	56	224,00	232,00	120	30	13,469	11,846	520,85 €		
G4-57	57	228,00	236,00	120	30	13,903	12,281	520,85 €		
G4-58	58	232,00	240,00	120	30	14,346	12,723	519,07 €		
G4-59	59	236,00	244,00	120	30	14,796	13,173	540,39 €		
G4-60	60	240,00	248,00	120	30	15,253	13,631	536,17 €		
G4-61	61	244,00	252,00	120	30	15,719	14,096	671,07 €		
G4-62	62	248,00	256,00	120	30	16,192	14,569	677,28 €		
G4-63	63	252,00	260,00	120	30	16,673	15,050	689,55 €		
G4-64	64	256,00	264,00	120	30	17,161	15,538	703,94 €		
G4-65	65	260,00	268,00	150	38	18,435	15,904	733,66 €		
G4-66	66	264,00	272,00	150	38	18,939	16,408	758,66 €		
G4-67	67	268,00	276,00	150	38	19,450	16,919	785,55 €		
G4-68	68	272,00	280,00	150	38	19,970	17,439	808,80 €		
G4-69	69	276,00	284,00	150	38	20,497	17,966	830,16 €		
G4-70	70	280,00	288,00	150	38	21,031	18,500	847,49 €		
G4-71	71	284,00	292,00	150	38	21,573	19,043	984,73 €		
G4-72	72	288,00	296,00	150	38	22,124	19,593	984,73 €		
↓ <b>Gears available up to this size</b>										
G4-145	145	580,00	588,00	Dimensions: contact us						

Dimensions in mm

On request

## Module 4.0

Steel 35NCD6



- Higher torque
- Precision class 9
- Pressure angle 20°
- Linear speed 300m/min

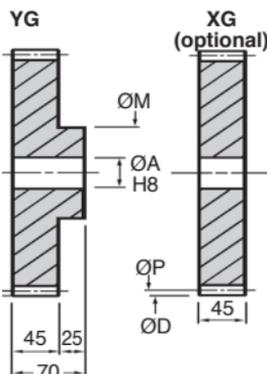
### Options

- Material :  
20NCD2 case-hardened

#### Torque and power indication

For 50 teeth at 1000 rpm

	35NCD6	35NCD6 hardened	20NCD2	20NCD2 hardened
Nm	420	665	510	1256
kW	44	69	52.96	131



### DISCOUNTS

Qty	1+	4+	20+
Disc. List	-5%	On request	

Part number	Teeth Z	PCD ØP	External ØD	Boss ØM	Bore ØA	Weight (kg)		Price each 1 to 5	
						YG	XG	YG	XG
YG4-9	9	40,00	48,00	48	20	0,61	0,32	92,54 €	
YG4-10	10	44,00	52,00	52	20	0,76	0,42	89,56 €	
YG4-11	11	48,00	56,00	56	25	0,83	0,45	92,54 €	
YG4-12	12	48,00	56,00	56	25	0,83	0,45	89,68 €	
YG4-13	13	52,00	60,00	60	25	1,01	0,56	99,75 €	
YG4-14	14	56,00	64,00	60	25	1,13	0,68	103,58 €	
YG4-15	15	60,00	68,00	60	25	1,25	0,80	117,41 €	
YG4-16	16	64,00	72,00	60	25	1,39	0,94	134,47 €	
YG4-17	17	68,00	76,00	60	25	1,53	1,08	141,76 €	
YG4-18	18	72,00	80,00	60	25	1,68	1,23	144,25 €	
YG4-19	19	76,00	84,00	60	25	1,84	1,39	154,51 €	
YG4-20	20	80,00	88,00	60	25	2,01	1,56	155,03 €	
YG4-21	21	84,00	92,00	60	25	2,19	1,74	167,85 €	
YG4-22	22	88,00	96,00	75	25	2,68	1,93	176,72 €	
YG4-23	23	92,00	100,00	75	25	2,87	2,12	174,47 €	
YG4-24	24	96,00	104,00	75	25	3,07	2,32	216,85 €	
YG4-25	25	100,00	108,00	75	30	3,17	2,46	216,85 €	
YG4-26	26	104,00	112,00	75	30	3,39	2,68	216,85 €	
YG4-27	27	108,00	116,00	75	30	3,62	2,91	272,74 €	
YG4-28	28	112,00	120,00	75	30	3,86	3,15	272,74 €	
YG4-29	29	116,00	124,00	100	30	4,76	3,40	272,74 €	
YG4-30	30	120,00	128,00	100	30	5,02	3,65	272,74 €	

On request

Dimensions in mm

## DISCOUNTS

Qty	1+	4+	20+
Disc. List	-5%		On request

Part number	Teeth Z	PCD ØP	External ØD	Boss ØM	Bore ØA	Weight (kg)		Price each 1 to 5	
						YG	XG	YG	XG
YG4-31	31	124,00	132,00	100	30	5,28	3,92	318,73 €	
YG4-32	32	128,00	136,00	100	30	5,55	4,19	318,73 €	
YG4-33	33	132,00	140,00	100	30	5,84	4,47	318,73 €	
YG4-34	34	136,00	144,00	100	30	6,13	4,76	415,68 €	
YG4-35	35	140,00	148,00	100	30	6,42	5,06	415,68 €	
YG4-36	36	144,00	152,00	100	30	6,73	5,36	415,68 €	
YG4-37	37	148,00	156,00	100	30	7,05	5,68	451,80 €	
YG4-38	38	152,00	160,00	100	30	7,37	6,01	451,80 €	
YG4-39	39	156,00	164,00	100	30	7,71	6,34	451,80 €	
YG4-40	40	160,00	168,00	100	30	8,05	6,68	525,79 €	
YG4-41	41	164,00	172,00	100	30	8,40	7,03	525,79 €	
YG4-42	42	168,00	176,00	127	30	9,68	7,39	525,79 €	
YG4-43	43	172,00	180,00	127	30	10,05	7,76	525,79 €	
YG4-44	44	176,00	184,00	127	30	10,42	8,13	657,29 €	
YG4-45	45	180,00	188,00	127	30	10,81	8,52	657,29 €	
YG4-46	46	184,00	192,00	127	30	11,20	8,91	657,29 €	
YG4-47	47	188,00	196,00	127	30	11,60	9,32	657,29 €	
YG4-48	48	192,00	200,00	127	30	12,01	9,73	657,29 €	
YG4-49	49	196,00	204,00	127	30	12,43	10,15	862,74 €	
YG4-50	50	200,00	208,00	127	30	12,86	10,57	862,74 €	
YG4-51	51	204,00	212,00	127	30	13,30	11,01	862,74 €	
YG4-52	52	208,00	216,00	127	30	13,75	11,46	862,74 €	
YG4-53	53	212,00	220,00	127	30	14,20	11,91	862,74 €	On request
YG4-54	54	216,00	224,00	127	30	14,66	12,37	862,74 €	
YG4-55	55	220,00	228,00	127	30	15,13	12,85	1 018,88 €	
YG4-56	56	224,00	232,00	127	30	15,61	13,33	1 018,88 €	
YG4-57	57	228,00	236,00	127	30	16,10	13,82	1 018,88 €	
YG4-58	58	232,00	240,00	127	30	16,60	14,31	1 018,88 €	
YG4-59	59	236,00	244,00	127	30	17,11	14,82	1 018,88 €	
YG4-60	60	240,00	248,00	127	30	17,62	15,33	1 018,88 €	
YG4-61	61	244,00	252,00	127	30	18,15	15,86	1 117,53 €	
YG4-62	62	248,00	256,00	127	30	18,68	16,39	1 117,53 €	
YG4-63	63	252,00	260,00	127	30	19,22	16,93	1 117,53 €	
YG4-64	64	256,00	264,00	127	38	19,54	17,33	1 281,92 €	
YG4-65	65	260,00	268,00	150	38	21,06	17,89	1 281,92 €	
YG4-66	66	264,00	272,00	150	38	21,62	18,46	1 396,95 €	
YG4-67	67	268,00	276,00	150	38	22,20	19,03	1 396,95 €	
YG4-68	68	272,00	280,00	150	38	22,78	19,62	1 396,95 €	
YG4-69	69	276,00	284,00	150	38	23,37	20,21	1 495,53 €	
YG4-70	70	280,00	288,00	150	38	23,98	20,81	1 495,53 €	
YG4-71	71	284,00	292,00	150	38	24,59	21,42	1 699,40 €	
YG4-72	72	288,00	296,00	150	38	25,21	22,04	1 699,40 €	

On request



**Gears available up to this size**

**G4-145 145 580,00 588,00 Dimensions: contact us**

Dimensions in mm

# Plastic spur gear



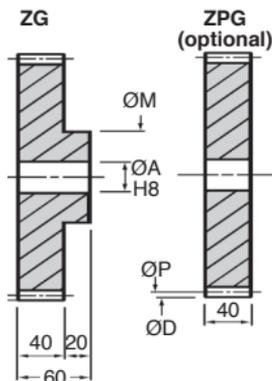
## Module 4.0

Machined Delrin



- Machined parts
- Precision class 9
- Pressure angle 20°
- Working temp. -50°C to +80°C

Torque indication	
For 50 teeth at 1000 rpm	
	<b>Delrin</b>
Nm	<b>55</b>



### DISCOUNTS

Qty	1+	4+	20+
Disc.	List -5%	On request	

Part number	Teeth Z	PCD ØP	External ØD	Boss ØM	Bore ØA	Price each 1 to 5 ZG	Price each 1 to 5 ZPG
ZG4-9	9	40,00	48,00	30	20	44,92 €	
ZG4-10	10	44,00	52,00	34	20	44,92 €	
ZG4-11	11	48,00	56,00	38	25	44,92 €	
ZG4-12	12	48,00	56,00	38	25	44,92 €	
ZG4-13	13	52,00	60,00	38	25	48,60 €	
ZG4-14	14	56,00	64,00	40	25	52,00 €	
ZG4-15	15	60,00	68,00	40	25	59,13 €	
ZG4-16	16	64,00	72,00	50	25	65,59 €	
ZG4-17	17	68,00	76,00	50	25	69,19 €	
ZG4-18	18	72,00	80,00	50	25	72,51 €	
ZG4-19	19	76,00	84,00	50	25	75,37 €	
ZG4-20	20	80,00	88,00	50	25	77,72 €	
ZG4-21	21	84,00	92,00	50	25	81,84 €	
ZG4-22	22	88,00	96,00	50	25	86,18 €	
ZG4-23	23	92,00	100,00	50	25	88,84 €	
ZG4-24	24	96,00	104,00	50	25	104,96 €	
ZG4-25	25	100,00	108,00	80	30	104,96 €	
ZG4-26	26	104,00	112,00	80	30	104,96 €	
ZG4-27	27	108,00	116,00	80	30	129,24 €	
ZG4-28	28	112,00	120,00	80	30	129,24 €	
ZG4-29	29	116,00	124,00	80	30	130,97 €	
ZG4-30	30	120,00	128,00	80	30	129,24 €	

On request

Dimensions in mm

## DISCOUNTS

Qty	1+	4+	20+
Disc.	List -5%	On request	

Part number	Teeth Z	PCD ØP	External ØD	Boss ØM	Bore ØA	Price each 1 to 5 ZG	1 to 5 ZPG
ZG4-31	31	124,00	132,00	80	30	153,45 €	On request
ZG4-32	32	128,00	136,00	80	30	241,26 €	
ZG4-33	33	132,00	140,00	80	30	258,48 €	
ZG4-34	34	136,00	144,00	80	30	276,21 €	
ZG4-35	35	140,00	148,00	80	30	299,57 €	
ZG4-36	36	144,00	152,00	80	30	317,14 €	
ZG4-37	37	148,00	156,00	80	30	336,35 €	
ZG4-38	38	152,00	160,00	80	30	341,44 €	
ZG4-39	39	156,00	164,00	80	30	360,60 €	
ZG4-40	40	160,00	168,00	80	30	372,53 €	
ZG4-41	41	164,00	172,00	80	30	386,66 €	
ZG4-42	42	168,00	176,00	80	30	421,77 €	
ZG4-43	43	172,00	180,00	80	30	428,99 €	
ZG4-44	44	176,00	184,00	80	30	436,27 €	
ZG4-45	45	180,00	188,00	80	30	443,32 €	
ZG4-46	46	184,00	192,00	80	30	448,44 €	
ZG4-47	47	188,00	196,00	80	30	453,58 €	
ZG4-48	48	192,00	200,00	80	30	On request	
ZG4-49	49	196,00	204,00	80	30	On request	
ZG4-50	50	200,00	208,00	80	30	On request	
ZG4-51	51	204,00	212,00	120	30	On request	
ZG4-52	52	208,00	216,00	120	30	On request	
ZG4-53	53	212,00	220,00	120	30	On request	
ZG4-54	54	216,00	224,00	120	30	On request	
ZG4-55	55	220,00	228,00	120	30	On request	
ZG4-56	56	224,00	232,00	120	30	On request	
ZG4-57	57	228,00	236,00	120	30	On request	
ZG4-58	58	232,00	240,00	120	30	On request	
ZG4-59	59	236,00	244,00	120	30	On request	
ZG4-60	60	240,00	248,00	120	30	On request	
ZG4-61	61	244,00	252,00	120	30	On request	
ZG4-62	62	248,00	256,00	120	30	On request	
ZG4-63	63	252,00	260,00	120	30	On request	
ZG4-64	64	256,00	264,00	120	30	On request	
ZG4-65	65	260,00	268,00	150	38	On request	
ZG4-66	66	264,00	272,00	150	38	On request	
ZG4-67	67	268,00	276,00	150	38	On request	
ZG4-68	68	272,00	280,00	150	38	On request	
ZG4-69	69	276,00	284,00	150	38	On request	
ZG4-70	70	280,00	288,00	150	38	On request	
ZG4-71	71	284,00	292,00	150	38	On request	
ZG4-72	72	288,00	296,00	150	38	On request	
<p style="text-align: center;">↓ <b>Gears available up to this size</b></p>							
<b>ZG4-100</b>	<b>100</b>	<b>400,00</b>	<b>400,00</b>	<b>Dimensions: contact us</b>			

Dimensions in mm