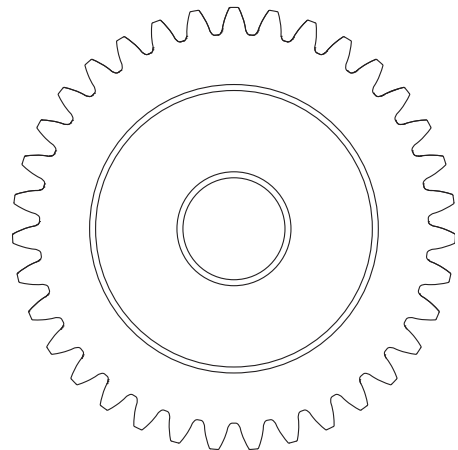
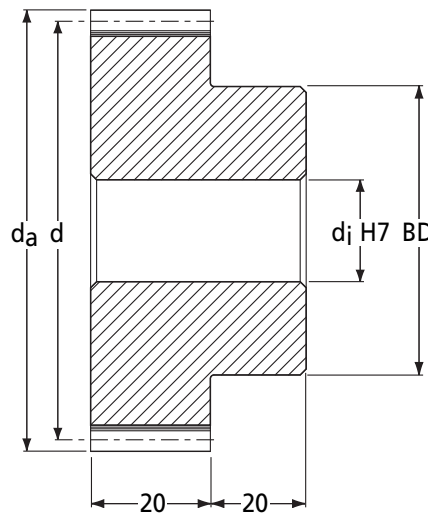


**PSG-DL**  
**PSG-PK**  
**2.0m<sub>n</sub>**

# PRECISION GEARS

## 2.0 Module Plastic Spur Gear α 20° PA

Quality Grade 8e25 DIN 3961/3967 (AGMA Q9)



DIN 3967 Tooth Thickness tol.

Part Number	No. of Teeth <i>z</i>	Ref. Dia. <i>d</i>	Tip Dia. <i>d<sub>a</sub></i>	Bore H7 <i>d<sub>j</sub></i>	Max. Bore H7 <i>d<sub>j</sub></i>	Hub Dia. <i>BD</i>	Backlash (mm)		I Inertia <i>I</i> (kgm <sup>2</sup> Delrin)	Mass <i>M</i> (kg Delrin)
							<i>j<sub>t,e</sub></i> (max)	<i>j<sub>t,i</sub></i> (min)		
PSG2.0-18DL	18	36	40	10	16	30	0.129 - 0.051	7.01 x 10 <sup>-6</sup>	0.044	
PSG2.0-19DL	19	38	42	10	16	30	0.129 - 0.051	8.14 x 10 <sup>-6</sup>	0.047	
PSG2.0-20DL	20	40	44	10	16	30	0.129 - 0.051	9.45 x 10 <sup>-6</sup>	0.051	
PSG2.0-21DL	21	42	46	12	20	35	0.129 - 0.051	1.28 x 10 <sup>-5</sup>	0.059	
PSG2.0-22DL	22	44	48	12	20	35	0.129 - 0.051	1.46 x 10 <sup>-5</sup>	0.063	
PSG2.0-23DL	23	46	50	12	20	35	0.129 - 0.051	1.66 x 10 <sup>-5</sup>	0.067	
PSG2.0-24DL	24	48	52	12	20	35	0.129 - 0.051	1.89 x 10 <sup>-5</sup>	0.071	
PSG2.0-25DL	25	50	54	12	20	35	0.129 - 0.051	2.15 x 10 <sup>-5</sup>	0.075	
PSG2.0-26DL	26	52	56	12	20	35	0.171 - 0.069	2.44 x 10 <sup>-5</sup>	0.080	
PSG2.0-27DL	27	54	58	12	20	35	0.171 - 0.069	2.77 x 10 <sup>-5</sup>	0.085	
PSG2.0-28DL	28	56	60	12	20	35	0.171 - 0.069	3.13 x 10 <sup>-5</sup>	0.089	
PSG2.0-29DL	29	58	62	14	25	45	0.171 - 0.069	4.25 x 10 <sup>-5</sup>	0.110	
PSG2.0-30DL	30	60	64	14	25	45	0.171 - 0.069	4.70 x 10 <sup>-5</sup>	0.115	
PSG2.0-32DL	32	64	68	14	25	45	0.171 - 0.069	5.75 x 10 <sup>-5</sup>	0.126	
PSG2.0-35DL	35	70	74	14	25	45	0.171 - 0.069	7.74 x 10 <sup>-5</sup>	0.144	
PSG2.0-38DL	38	76	80	14	25	45	0.171 - 0.069	1.03 x 10 <sup>-4</sup>	0.163	
PSG2.0-40DL	40	80	84	16	30	55	0.171 - 0.069	1.38 x 10 <sup>-4</sup>	0.196	
PSG2.0-42DL	42	84	88	16	30	55	0.173 - 0.067	1.62 x 10 <sup>-4</sup>	0.211	
PSG2.0-45DL	45	90	94	16	30	55	0.173 - 0.067	2.05 x 10 <sup>-4</sup>	0.234	
PSG2.0-48DL	48	96	100	16	30	55	0.173 - 0.067	2.58 x 10 <sup>-4</sup>	0.258	
PSG2.0-50DL	50	100	104	20	40	65	0.173 - 0.067	3.23 x 10 <sup>-4</sup>	0.296	
PSG2.0-52DL	52	104	108	20	40	65	0.173 - 0.067	3.70 x 10 <sup>-4</sup>	0.314	
PSG2.0-55DL	55	110	114	20	40	65	0.173 - 0.067	4.51 x 10 <sup>-4</sup>	0.342	
PSG2.0-58DL	58	116	120	20	40	65	0.173 - 0.067	5.46 x 10 <sup>-4</sup>	0.372	
PSG2.0-60DL	60	120	124	20	40	65	0.173 - 0.067	6.18 x 10 <sup>-4</sup>	0.393	
PSG2.0-62DL	62	124	128	20	40	65	0.175 - 0.065	6.98 x 10 <sup>-4</sup>	0.414	
PSG2.0-65DL	65	130	134	20	40	65	0.227 - 0.097	8.33 x 10 <sup>-4</sup>	0.448	
PSG2.0-68DL	68	136	140	20	40	65	0.227 - 0.097	9.88 x 10 <sup>-4</sup>	0.483	
PSG2.0-70DL	70	140	144	20	40	65	0.227 - 0.097	1.10 x 10 <sup>-3</sup>	0.507	
PSG2.0-72DL	72	144	148	20	40	65	0.227 - 0.097	1.23 x 10 <sup>-3</sup>	0.532	

# PRECISION GEARS

**PSG-DL**  
**PSG-PK**  
**2.0m<sub>n</sub>**

## 2.0 Module Plastic Spur Gear α 20° PA

Quality Grade 8e25 DIN 3961/3967 (AGMA Q9)

Standard Part **PSG** **2.0** **50** **DL**

Modified Part **PSG** **2.0** **50** **PK** **25** **K** **T**

PSG - Precision Spur Gear  
Quality Grade 8e25 DIN 3961/3967  
Other Quality Grades available.  
See page 291

m<sub>n</sub> Module - Cut with DIN 867 1.25/0.20/1.0  
Ref. Tooth Profile Topping WD = 2.25 x m<sub>n</sub>

Number of Teeth z

DL = Delrin POM (White)  
PK = PEEK GF30® (Light Brown)

T = 1 x Tapped hole 2T = 2 x Tapped holes.  
P = 1 x Pin Hole PT = 1 x Pin Hole thru.  
All threads metric as standard,  
refer to page 308 for sizes and prices.

K- Keyway supplied to  
DIN 6885 - Js9 tolerance.  
For prices see page 308

To specify different bore enter size required  
Example: 25 = 25mm H7 etc  
For prices see page 308

η Efficiency approx. 98%

**Discounts: 6+ -5% 19+ -10%**

Part Number	Delrin POM		Part Number	PEEK GF30®	
	T <sub>2</sub> Nm n <sub>2</sub> 100min <sup>-1</sup>	Price Each 1 - 5		T <sub>2</sub> Nm n <sub>2</sub> 100min <sup>-1</sup>	Price Each 1 - 5
PSG2.0-18DL	3.20	£18.27	PSG2.0-18PK	3.62	£92.49
PSG2.0-19DL	3.60	£18.67	PSG2.0-19PK	4.07	£94.60
PSG2.0-20DL	4.03	£19.06	PSG2.0-20PK	4.56	£96.54
PSG2.0-21DL	4.48	£19.57	PSG2.0-21PK	5.07	£99.11
PSG2.0-22DL	4.97	£19.87	PSG2.0-22PK	5.62	£100.64
PSG2.0-23DL	5.48	£20.29	PSG2.0-23PK	6.21	£102.76
PSG2.0-24DL	6.03	£20.73	PSG2.0-24PK	6.82	£105.02
PSG2.0-25DL	6.60	£21.90	PSG2.0-25PK	7.47	£110.87
PSG2.0-26DL	7.21	£22.60	PSG2.0-26PK	8.16	£114.44
PSG2.0-27DL	7.85	£23.40	PSG2.0-27PK	8.88	£118.50
PSG2.0-28DL	8.51	£23.90	PSG2.0-28PK	9.63	£121.06
PSG2.0-29DL	9.21	£24.50	PSG2.0-29PK	10.42	£124.08
PSG2.0-30DL	9.95	£25.05	PSG2.0-30PK	11.25	£126.83
PSG2.0-32DL	11.51	£27.20	PSG2.0-32PK	13.02	£137.75
PSG2.0-35DL	14.10	£30.03	PSG2.0-35PK	15.96	£152.04
PSG2.0-38DL	17.01	£32.97	PSG2.0-38PK	19.25	£166.91
PSG2.0-40DL	19.13	£34.35	PSG2.0-40PK	21.64	£173.94
PSG2.0-42DL	21.14	£35.40	PSG2.0-42PK	24.20	£179.25
PSG2.0-45DL	22.99	£36.94	PSG2.0-45PK	28.36	£187.06
PSG2.0-48DL	24.87	£39.78	PSG2.0-48PK	32.90	£201.44
PSG2.0-50DL	26.15	£42.59	PSG2.0-50PK	35.66	£215.68
PSG2.0-52DL	27.39	£44.17	PSG2.0-52PK	37.35	£223.66
PSG2.0-55DL	29.27	£49.88	PSG2.0-55PK	39.91	£252.55
PSG2.0-58DL	31.17	£52.89	PSG2.0-58PK	42.50	£267.83
PSG2.0-60DL	32.45	£54.24	PSG2.0-60PK	44.26	£274.64
PSG2.0-62DL	33.68	£55.57	PSG2.0-62PK	45.92	£281.35
PSG2.0-65DL	35.52	£57.54	PSG2.0-65PK	48.44	£288.54
PSG2.0-68DL	37.38	£59.27	PSG2.0-68PK	50.97	£301.99
PSG2.0-70DL	38.62	£61.05	PSG2.0-70PK	52.67	£303.21
PSG2.0-72DL	39.88	£62.88	PSG2.0-72PK	54.38	£310.73

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Product information updated 1st April 2011 and subject to change. Please contact Sales for the latest prices and availability.