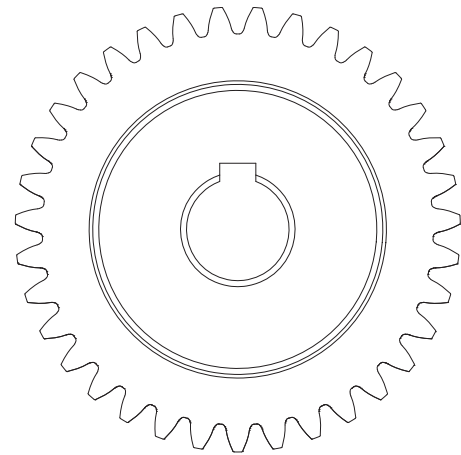
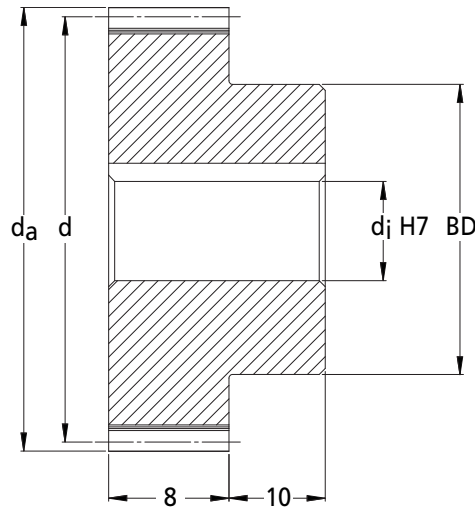


PSG-HC
PSG-HCK
0.8m_n

PRECISION GEARS

0.8 Module Skive Hobbed Spur Gear α 20° PA

Quality Grade 6e DIN 3961/58405 (AGMA Q11)



DIN 58405 Tooth Thickness tol.

Part Number	No. of Teeth z	Ref. Dia. d	Tip Dia. d _a	Bore H7 d _j	Max. Bore H7 d _j	Hub Dia. BD	Keyway	Backlash (mm)		I Inertia kgm ²	Mass kg
								j _{t,e} (max)	j _{t,i} (min)		
PSG0.8-18HC	18	14.4	16.0	5	6	11	-	0.066	0.030	3.79 x 10 ⁻⁷	0.015
PSG0.8-19HC	19	15.2	16.8	5	6	11	-	0.066	0.030	4.43 x 10 ⁻⁷	0.016
PSG0.8-20HC	20	16.0	17.6	5	6	11	-	0.066	0.030	5.18 x 10 ⁻⁷	0.017
PSG0.8-21HC	21	16.8	18.4	5	6	12	-	0.066	0.030	6.52 x 10 ⁻⁷	0.020
PSG0.8-22HC	22	17.6	19.2	5	6	12	-	0.066	0.030	7.53 x 10 ⁻⁷	0.021
PSG0.8-23HC	23	18.4	20.0	5	6	12	-	0.067	0.029	8.67 x 10 ⁻⁷	0.023
PSG0.8-24HCK	24	19.2	20.8	6	8	14	2	0.067	0.029	1.12 x 10 ⁻⁶	0.026
PSG0.8-25HCK	25	20.0	21.6	6	8	14	2	0.067	0.029	1.27 x 10 ⁻⁶	0.028
PSG0.8-26HCK	26	20.8	22.4	6	8	14	2	0.067	0.029	1.44 x 10 ⁻⁶	0.029
PSG0.8-27HCK	27	21.6	23.2	6	8	14	2	0.067	0.029	1.63 x 10 ⁻⁶	0.031
PSG0.8-28HCK	28	22.4	24.0	8	10	18	2	0.067	0.029	2.31 x 10 ⁻⁶	0.037
PSG0.8-29HCK	29	23.2	24.8	8	10	18	2	0.067	0.029	2.54 x 10 ⁻⁶	0.039
PSG0.8-30HCK	30	24.0	25.6	8	10	18	2	0.067	0.029	2.80 x 10 ⁻⁶	0.041
PSG0.8-32HCK	32	25.6	27.2	8	10	18	2	0.078	0.035	3.40 x 10 ⁻⁶	0.045
PSG0.8-35HCK	35	28.0	29.6	10	12	20	3	0.078	0.035	4.87 x 10 ⁻⁶	0.052
PSG0.8-38HCK	38	30.4	32.0	10	12	20	3	0.079	0.033	6.33 x 10 ⁻⁶	0.059
PSG0.8-40HCK	40	32.0	33.6	10	12	20	3	0.079	0.033	7.52 x 10 ⁻⁶	0.064
PSG0.8-42HCK	42	33.6	35.2	10	12	20	3	0.079	0.033	8.90 x 10 ⁻⁶	0.069
PSG0.8-45HCK	45	36.0	37.6	10	12	20	3	0.079	0.033	1.14 x 10 ⁻⁵	0.077
PSG0.8-48HCK	48	38.4	40.0	10	18	30	3	0.079	0.033	1.94 x 10 ⁻⁵	0.117
PSG0.8-50HCK	50	40.0	41.6	10	18	30	3	0.079	0.033	2.18 x 10 ⁻⁵	0.123
PSG0.8-52HCK	52	41.6	43.2	10	18	30	3	0.079	0.033	2.44 x 10 ⁻⁵	0.129
PSG0.8-55HCK	55	44.0	45.6	10	18	30	3	0.079	0.033	2.90 x 10 ⁻⁵	0.139
PSG0.8-58HCK	58	46.4	48.0	10	18	30	3	0.079	0.033	3.44 x 10 ⁻⁵	0.150
PSG0.8-60HCK	60	48.0	49.6	10	25	40	3	0.079	0.033	5.21 x 10 ⁻⁵	0.200
PSG0.8-62HCK	62	49.6	51.2	10	25	40	3	0.079	0.033	5.66 x 10 ⁻⁵	0.208
PSG0.8-65HCK	65	52.0	53.6	10	25	40	3	0.092	0.038	6.43 x 10 ⁻⁵	0.220
PSG0.8-68HCK	68	54.4	56.0	10	25	40	3	0.092	0.038	7.31 x 10 ⁻⁵	0.233
PSG0.8-70HCK	70	56.0	57.6	10	25	40	3	0.092	0.038	7.97 x 10 ⁻⁵	0.241
PSG0.8-72HCK	72	57.6	59.2	10	25	40	3	0.092	0.038	8.69 x 10 ⁻⁵	0.250
PSG0.8-75HCK	75	60.0	61.6	10	30	50	3	0.092	0.038	1.27 x 10 ⁻⁴	0.320
PSG0.8-78HCK	78	62.4	64.0	10	30	50	3	0.092	0.038	1.41 x 10 ⁻⁴	0.334
PSG0.8-80HCK	80	64.0	65.6	10	30	50	3	0.092	0.038	1.51 x 10 ⁻⁴	0.344
PSG0.8-82HCK	82	65.6	67.2	10	30	50	3	0.092	0.038	1.61 x 10 ⁻⁴	0.354
PSG0.8-85HCK	85	68.0	69.6	10	30	50	3	0.092	0.038	1.79 x 10 ⁻⁴	0.370
PSG0.8-90HCK	90	72.0	73.6	10	40	65	3	0.092	0.038	3.02 x 10 ⁻⁴	0.504
PSG0.8-95HCK	95	76.0	77.6	10	40	65	3	0.092	0.038	3.42 x 10 ⁻⁴	0.533
PSG0.8-100HCK	100	80.0	81.6	14	40	65	5	0.092	0.038	3.88 x 10 ⁻⁴	0.553
PSG0.8-110HCK	110	88.0	89.6	14	40	70	5	0.094	0.036	5.52 x 10 ⁻⁴	0.661
PSG0.8-120HCK	120	96.0	97.6	14	40	70	5	0.094	0.036	7.05 x 10 ⁻⁴	0.733

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

PRECISION GEARS

0.8 Module Skive Hobbed Spur Gear α 20° PA

Quality Grade 6e DIN 3961/58405 (AGMA Q11)

PSG-HC
PSG-HCK
0.8m_n

Standard Part **PSG** **0.8** **50** **HC**
Modified Part **PSG** **0.8** **50** **HCK** **12** **T**

PSG - Precision Spur Gear
Quality Grade 6e DIN 3961/58405
Other Quality Grades available.
See page 291

m_n Module - Cut with DIN 867 1.25/0.20/1.0
Ref. Tooth Profile Topping WD = 2.25 x m_n

Number of Teeth z

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.

To specify different bore enter size required
Example: 12 = 12mm H7 etc
For prices see page 308

Standard Material = 805M20 (58HRC)
Skive Hobbed

Standard bores less than 6mm supplied without keyway.

Quality Grades and Tolerances stated prior to heat treatment processes.

η Efficiency approx. 98%

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

Part Number	Hard Cut T ₂ Nm n ₂ 100min ⁻¹	Price Each 1 - 5
PSG0.8-18HC	3.46	£28.89
PSG0.8-19HC	3.65	£29.32
PSG0.8-20HC	4.53	£29.75
PSG0.8-21HC	4.76	£30.70
PSG0.8-22HC	4.98	£31.14
PSG0.8-23HC	5.21	£31.29
PSG0.8-24HCK	5.44	£31.45
PSG0.8-25HCK	5.66	£32.77
PSG0.8-26HCK	5.90	£33.93
PSG0.8-27HCK	6.13	£34.63
PSG0.8-28HCK	6.35	£35.41
PSG0.8-29HCK	6.58	£36.34
PSG0.8-30HCK	6.76	£36.94
PSG0.8-32HCK	7.21	£37.90
PSG0.8-35HCK	7.89	£39.18
PSG0.8-38HCK	8.57	£40.78
PSG0.8-40HCK	10.03	£42.28
PSG0.8-42HCK	10.53	£42.58
PSG0.8-45HCK	11.28	£43.20
PSG0.8-48HCK	12.04	£43.56
PSG0.8-50HCK	13.61	£48.09
PSG0.8-52HCK	14.15	£49.51
PSG0.8-55HCK	14.97	£51.57
PSG0.8-58HCK	15.78	£53.14
PSG0.8-60HCK	17.00	£54.36
PSG0.8-62HCK	17.57	£56.15
PSG0.8-65HCK	18.42	£60.17
PSG0.8-68HCK	19.27	£63.27
PSG0.8-70HCK	19.83	£64.58
PSG0.8-72HCK	20.40	£65.98
PSG0.8-75HCK	21.25	£70.39
PSG0.8-78HCK	22.10	£71.45
PSG0.8-80HCK	23.77	£72.90
PSG0.8-82HCK	24.36	£73.94
PSG0.8-85HCK	25.25	£75.52
PSG0.8-90HCK	26.74	£77.96
PSG0.8-95HCK	28.22	£86.31
PSG0.8-100HCK	30.39	£87.45
PSG0.8-110HCK	31.91	£109.47
PSG0.8-120HCK	33.43	£123.79

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