

Module 0.5

Spur gear

Pre-treated or case hardened steel



- **Quality grade 7e DIN 58405 (AGMA Q10)**

- **Material :**

Pre-treated steel 35NCD6, 28HRC

Case hardened steel 20NCD2 58HRC

- Teeth profile conform to DIN 867

- Tooth thickness conforms to DIN 58405

- Efficiency approx 98%



Quality grade 7e

Options

- Alternative bores (H7)

- Keyway conforming to DIN6885 (J59)

- Tapped hole

- Hole for dowel pin

Info.

- Torque figures are for 100 rpm and are given as a guide only

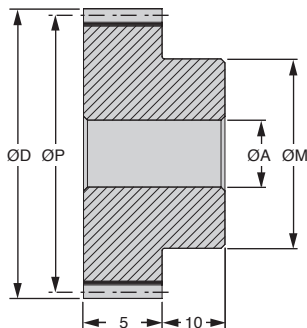
- Grade and tolerances measured before heat treatment.

DISCOUNTS

Qty	1+	6+	19+	50+
Disc.	List	-5%	-10%	On request

Part number		Z	ØP	ØD	ØA	ØM	Backlash	Torque (Nm)		Weight	Price each 1 to 5	
Standard	hardened	Teeth	Pitch	External	Bore	Boss	(mm)	Standard	hardened	Standard	hardened	
PSG0.5-20	PSG0.5-20H	20	10,0	11,0	4	8	0,076 - 0,037	0,36	1,11	0,006	30,19	€ 49,85
PSG0.5-21	PSG0.5-21H	21	10,5	11,5	4	8	0,077 - 0,036	0,37	1,16	0,006	30,50	€ 50,36
PSG0.5-22	PSG0.5-22H	22	11,0	12,0	4	8	0,077 - 0,036	0,39	1,22	0,006	30,89	€ 51,02
PSG0.5-23	PSG0.5-23H	23	11,5	12,5	4	8	0,077 - 0,036	0,41	1,27	0,006	31,25	€ 51,65
PSG0.5-24	PSG0.5-24H	24	12,0	13,0	5	10	0,077 - 0,036	0,43	1,33	0,008	31,62	€ 52,23
PSG0.5-25	PSG0.5-25H	25	12,5	13,5	5	10	0,087 - 0,042	0,44	1,38	0,009	31,92	€ 52,76
PSG0.5-26	PSG0.5-26H	26	13,0	14,0	5	10	0,087 - 0,042	0,54	1,44	0,009	32,41	€ 53,53
PSG0.5-27	PSG0.5-27H	27	13,5	14,5	5	10	0,087 - 0,042	0,57	1,50	0,009	32,75	€ 54,09
PSG0.5-28	PSG0.5-28H	28	14,0	15,0	5	10	0,087 - 0,042	0,59	1,55	0,010	33,10	€ 54,68
PSG0.5-29	PSG0.5-29H	29	14,5	15,5	6	13	0,087 - 0,042	0,61	1,61	0,013	33,31	€ 54,99
PSG0.5-30	PSG0.5-30H	30	15,0	16,0	6	13	0,087 - 0,042	0,69	1,65	0,014	33,40	€ 55,20
PSG0.5-32	PSG0.5-32H	32	16,0	17,0	6	13	0,087 - 0,042	0,74	1,76	0,015	34,24	€ 56,52
PSG0.5-35	PSG0.5-35H	35	17,5	18,5	6	13	0,087 - 0,042	0,81	1,93	0,016	35,38	€ 58,43
PSG0.5-38	PSG0.5-38H	38	19,0	20,0	6	17	0,089 - 0,041	0,87	2,09	0,026	36,45	€ 60,23
PSG0.5-40	PSG0.5-40H	40	20,0	21,0	6	17	0,089 - 0,041	1,18	2,45	0,027	37,28	€ 61,54
PSG0.5-42	PSG0.5-42H	42	21,0	22,0	6	17	0,089 - 0,041	1,24	2,57	0,028	37,94	€ 62,64
PSG0.5-45	PSG0.5-45H	45	22,5	23,5	6	17	0,089 - 0,041	1,32	2,75	0,030	39,10	€ 64,57
PSG0.5-48	PSG0.5-48H	48	24,0	25,0	6	17	0,089 - 0,041	1,41	2,94	0,032	40,68	€ 67,08
PSG0.5-50	PSG0.5-50H	50	25,0	26,0	6	17	0,089 - 0,041	1,74	3,32	0,034	41,11	€ 67,79
PSG0.5-52	PSG0.5-52H	52	26,0	27,0	6	17	0,097 - 0,046	1,81	3,45	0,035	41,73	€ 68,79
PSG0.5-55	PSG0.5-55H	55	27,5	28,5	6	17	0,097 - 0,046	1,92	3,65	0,038	42,53	€ 70,27
PSG0.5-58	PSG0.5-58H	58	29,0	30,0	6	17	0,097 - 0,046	2,02	3,85	0,040	43,40	€ 71,69
PSG0.5-60	PSG0.5-60H	60	30,0	31,0	6	17	0,097 - 0,046	2,49	4,15	0,042	43,90	€ 72,43

Dimensions in mm



DISCOUNTS

Qty	1+	6+	19+	50+
Disc.	List	-5%	-10%	On request

Part number	Z	OP	OD	OA	OM	Backlash	Torque (Nm)	Weight	Price each	1 to 5		
Standard hardened	Teeth	Pitch	External	Bore	Boss	(mm)	Standard	hardened	Standard	hardened		
PSG0.5-62	PSG0.5-62H	62	31,0	32,0	8	20	0,098 - 0,044	2,57	4,29	0,048	44,42 €	73,32 €
PSG0.5-65	PSG0.5-65H	65	32,5	33,5	8	20	0,098 - 0,044	2,70	4,50	0,051	45,38 €	74,94 €
PSG0.5-68	PSG0.5-68H	68	34,0	35,0	8	20	0,098 - 0,044	2,82	4,70	0,054	45,70 €	75,43 €
PSG0.5-70	PSG0.5-70H	70	35,0	36,0	8	20	0,098 - 0,044	2,91	4,84	0,056	46,18 €	76,26 €
PSG0.5-72	PSG0.5-72H	72	36,0	37,0	8	20	0,098 - 0,044	2,99	4,98	0,058	46,65 €	76,97 €
PSG0.5-75	PSG0.5-75H	75	37,5	38,5	8	20	0,098 - 0,044	3,11	5,19	0,062	51,37 €	77,56 €
PSG0.5-78	PSG0.5-78H	78	39,0	40,0	8	20	0,098 - 0,044	3,24	5,40	0,065	47,70 €	78,70 €
PSG0.5-80	PSG0.5-80H	80	40,0	41,0	8	25	0,098 - 0,044	3,71	5,80	0,082	48,01 €	70,27 €
PSG0.5-82	PSG0.5-82H	82	41,0	42,0	8	25	0,098 - 0,044	3,81	5,95	0,084	48,55 €	80,12 €
PSG0.5-85	PSG0.5-85H	85	42,5	43,5	8	25	0,098 - 0,044	3,95	6,16	0,088	49,03 €	80,94 €
PSG0.5-90	PSG0.5-90H	90	45,0	46,0	8	25	0,098 - 0,044	4,18	6,53	0,095	49,85 €	82,29 €
PSG0.5-100	PSG0.5-100H	100	50,0	51,0	10	30	0,098 - 0,044	4,75	7,42	0,123	50,62 €	83,50 €
PSG0.5-120	PSG0.5-120H	120	60,0	61,0	10	35	0,111 - 0,049	5,70	8,90	0,177	61,33 €	101,18 €
PSG0.5-130	PSG0.5-130H	130	65,0	66,0	10	35	0,111 - 0,049	6,17	9,65	0,196	70,32 €	116,07 €
PSG0.5-140	PSG0.5-140H	140	70,0	71,0	10	35	0,111 - 0,049	6,65	10,39	0,217	73,30 €	120,91 €
PSG0.5-150	PSG0.5-150H	150	75,0	76,0	10	40	0,111 - 0,049	7,28	11,37	0,262	79,77 €	131,63 €
PSG0.5-200	PSG0.5-200H	200	100,0	101,0	14	50	0,113 - 0,047	9,80	15,32	0,444	98,33 €	162,26 €
PSG0.5-250	PSG0.5-250H	250	125,0	126,0	16	60	0,136 - 0,062	12,25	19,15	0,679	117,96 €	194,67 €

Dimensions in mm

Our other products



R205

Die spring ISO10243,
Heavy



UGPL

Actuator guide kit,
Long bearing



T39_T49

Extension spring in
metre length stainless
steel, by the metre



AXTR

Axle for tensioner
pulley, Shaft



PM4

Worm and wheel set,
Hardened steel



CHM50

Worm and wheel gear
reducer, up to 107
Nm



MSP19

Masterplate®
glueable insert
Ø19/Ø20, Cylindrical
with nut



PRFSRAD

Dual lock for
aluminium profile,
Quick fitting, self
locking door du...



RMSA

Adjustable shock-
absorber, Adjustable



PRF_P

Anchor foot for 45x45
profile, Anchor foot



VELM6

Screw-on base for
hook-and-loop strip,



SSBRA

Stainless steel bevel
gear, 1:1

Complementary products



PSG05

Spur gear - precision
range, Pre-hardened
Steel 35NCD6



PSG05S

Spur gear - precision
range, Stainless steel
303