

# Module 0.5 Spur gear

S/Steel 303  
S/Steel 316



- Quality grade 7e DIN 58405 (AGMA Q10)
- Material :
  - Stainless steel 303
  - Stainless steel 316
- Teeth profile conform to DIN 867
- Tooth thickness conforms to DIN 58405
- Efficiency approx 98%

## Options

- Alternative bores (H7)
- Keyway conforming to DIN 6885 (J59)
- Tapped hole
- Hole for dowel pin

## Info.

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



Quality grade 7e

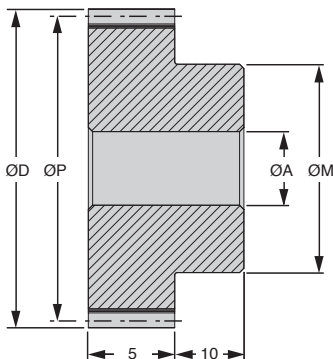
## DISCOUNTS

| 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 |         |
|-------------|-------------|-------|-------|----------|------|------|---------------|-------------|-----------------|------------|-------------------|---------|
| S/steel303  | S/steel 316 | Teeth | Pitch | External | Bore | Boss | (mm)          | S/steel 303 | S/steel316 (kg) | S/steel303 | S/steel 316       |         |
| PSG0.5-20S  | PSG0.5-20SL | 20    | 10,0  | 11,0     | 4    | 8    | 0,076 - 0,037 | 0,21        | 0,17            | 0,006      | 40,78 €           | 46,83 € |
| PSG0.5-21S  | PSG0.5-21SL | 21    | 10,5  | 11,5     | 4    | 8    | 0,077 - 0,036 | 0,22        | 0,17            | 0,006      | 41,20 €           | 47,29 € |
| PSG0.5-22S  | PSG0.5-22SL | 22    | 11,0  | 12,0     | 4    | 8    | 0,077 - 0,036 | 0,23        | 0,18            | 0,006      | 41,73 €           | 47,94 € |
| PSG0.5-23S  | PSG0.5-23SL | 23    | 11,5  | 12,5     | 4    | 8    | 0,077 - 0,036 | 0,25        | 0,19            | 0,007      | 42,25 €           | 48,47 € |
| PSG0.5-24S  | PSG0.5-24SL | 24    | 12,0  | 13,0     | 5    | 10   | 0,077 - 0,036 | 0,26        | 0,20            | 0,008      | 42,71 €           | 49,03 € |
| PSG0.5-25S  | PSG0.5-25SL | 25    | 12,5  | 13,5     | 5    | 10   | 0,087 - 0,042 | 0,27        | 0,21            | 0,009      | 43,16 €           | 49,60 € |
| PSG0.5-26S  | PSG0.5-26SL | 26    | 13,0  | 14,0     | 5    | 10   | 0,087 - 0,042 | 0,33        | 0,25            | 0,009      | 43,79 €           | 50,31 € |
| PSG0.5-27S  | PSG0.5-27SL | 27    | 13,5  | 14,5     | 5    | 10   | 0,087 - 0,042 | 0,34        | 0,26            | 0,010      | 44,26 €           | 50,80 € |
| PSG0.5-28S  | PSG0.5-28SL | 28    | 14,0  | 15,0     | 5    | 10   | 0,087 - 0,042 | 0,35        | 0,27            | 0,010      | 44,70 €           | 51,34 € |
| PSG0.5-29S  | PSG0.5-29SL | 29    | 14,5  | 15,5     | 6    | 13   | 0,087 - 0,042 | 0,36        | 0,28            | 0,014      | 44,97 €           | 51,67 € |
| PSG0.5-30S  | PSG0.5-30SL | 30    | 15,0  | 16,0     | 6    | 13   | 0,087 - 0,042 | 0,41        | 0,32            | 0,014      | 45,16 €           | 51,86 € |
| PSG0.5-32S  | PSG0.5-32SL | 32    | 16,0  | 17,0     | 6    | 13   | 0,087 - 0,042 | 0,44        | 0,34            | 0,015      | 46,26 €           | 53,11 € |
| PSG0.5-35S  | PSG0.5-35SL | 35    | 17,5  | 18,5     | 6    | 13   | 0,087 - 0,042 | 0,48        | 0,38            | 0,017      | 47,79 €           | 54,90 € |
| PSG0.5-38S  | PSG0.5-38SL | 38    | 19,0  | 20,0     | 6    | 17   | 0,089 - 0,041 | 0,52        | 0,41            | 0,026      | 49,25 €           | 56,56 € |
| PSG0.5-40S  | PSG0.5-40SL | 40    | 20,0  | 21,0     | 6    | 17   | 0,089 - 0,041 | 0,71        | 0,55            | 0,027      | 50,36 €           | 57,83 € |
| PSG0.5-42S  | PSG0.5-42SL | 42    | 21,0  | 22,0     | 6    | 17   | 0,089 - 0,041 | 0,74        | 0,58            | 0,028      | 51,23 €           | 58,85 € |
| PSG0.5-45S  | PSG0.5-45SL | 45    | 22,5  | 23,5     | 6    | 17   | 0,089 - 0,041 | 0,79        | 0,62            | 0,031      | 52,83 €           | 60,67 € |
| PSG0.5-48S  | PSG0.5-48SL | 48    | 24,0  | 25,0     | 6    | 17   | 0,089 - 0,041 | 0,85        | 0,66            | 0,033      | 54,90 €           | 63,00 € |
| PSG0.5-50S  | PSG0.5-50SL | 50    | 25,0  | 26,0     | 6    | 17   | 0,089 - 0,041 | 1,05        | 0,81            | 0,034      | 55,46 €           | 63,70 € |
| PSG0.5-52S  | PSG0.5-52SL | 52    | 26,0  | 27,0     | 6    | 17   | 0,097 - 0,046 | 1,09        | 0,85            | 0,036      | 56,30 €           | 64,67 € |
| PSG0.5-55S  | PSG0.5-55SL | 55    | 27,5  | 28,5     | 6    | 17   | 0,097 - 0,046 | 1,15        | 0,90            | 0,038      | 57,44 €           | 65,98 € |
| PSG0.5-58S  | PSG0.5-58SL | 58    | 29,0  | 30,0     | 6    | 17   | 0,097 - 0,046 | 1,21        | 0,94            | 0,041      | 58,65 €           | 67,30 € |
| PSG0.5-60S  | PSG0.5-60SL | 60    | 30,0  | 31,0     | 6    | 17   | 0,097 - 0,046 | 1,49        | 1,16            | 0,043      | 59,27 €           | 68,04 € |

Dimensions in mm

# Module 0.5



## 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 |             |          |
|-------------|--------------|-------|-------|----------|------|------|---------------|-------------|-----------------|-------------------|-------------|----------|
| S/steel303  | S/steel 316  | Teeth | Pitch | External | Bore | Boss | (mm)          | S/steel 303 | S/steel316 (kg) | S/steel303        | S/steel 316 |          |
| PSG0.5-62S  | PSG0.5-62SL  | 62    | 31,0  | 32,0     | 8    | 20   | 0,098 - 0,044 | 1,54        | 1,20            | 0,049             | 59,98 €     | 68,89 €  |
| PSG0.5-65S  | PSG0.5-65SL  | 65    | 32,5  | 33,5     | 8    | 20   | 0,098 - 0,044 | 1,62        | 1,26            | 0,052             | 61,30 €     | 70,38 €  |
| PSG0.5-68S  | PSG0.5-68SL  | 68    | 34,0  | 35,0     | 8    | 20   | 0,098 - 0,044 | 1,69        | 1,32            | 0,055             | 61,69 €     | 70,83 €  |
| PSG0.5-70S  | PSG0.5-70SL  | 70    | 35,0  | 36,0     | 8    | 20   | 0,098 - 0,044 | 1,74        | 1,36            | 0,057             | 62,34 €     | 71,63 €  |
| PSG0.5-72S  | PSG0.5-72SL  | 72    | 36,0  | 37,0     | 8    | 20   | 0,098 - 0,044 | 1,79        | 1,39            | 0,060             | 62,95 €     | 72,30 €  |
| PSG0.5-75S  | PSG0.5-75SL  | 75    | 37,5  | 38,5     | 8    | 20   | 0,098 - 0,044 | 1,87        | 1,45            | 0,063             | 63,43 €     | 72,86 €  |
| PSG0.5-78S  | PSG0.5-78SL  | 78    | 39,0  | 40,0     | 8    | 20   | 0,098 - 0,044 | 1,94        | 1,51            | 0,067             | 64,36 €     | 73,94 €  |
| PSG0.5-80S  | PSG0.5-80SL  | 80    | 40,0  | 41,0     | 8    | 25   | 0,098 - 0,044 | 2,55        | 1,98            | 0,083             | 64,86 €     | 74,47 €  |
| PSG0.5-82S  | PSG0.5-82SL  | 82    | 41,0  | 42,0     | 8    | 25   | 0,098 - 0,044 | 2,61        | 2,03            | 0,086             | 65,54 €     | 75,30 €  |
| PSG0.5-85S  | PSG0.5-85SL  | 85    | 42,5  | 43,5     | 8    | 25   | 0,098 - 0,044 | 2,71        | 2,11            | 0,090             | 66,24 €     | 76,03 €  |
| PSG0.5-90S  | PSG0.5-90SL  | 90    | 45,0  | 46,0     | 8    | 25   | 0,098 - 0,044 | 2,87        | 2,23            | 0,097             | 67,30 €     | 77,30 €  |
| PSG0.5-100S | PSG0.5-100SL | 100   | 50,0  | 51,0     | 10   | 30   | 0,098 - 0,044 | 3,84        | 2,99            | 0,125             | 68,31 €     | 78,46 €  |
| PSG0.5-120S | PSG0.5-120SL | 120   | 60,0  | 61,0     | 10   | 35   | 0,111 - 0,049 | 4,61        | 3,59            | 0,180             | 82,78 €     | 95,04 €  |
| PSG0.5-130S | PSG0.5-130SL | 130   | 65,0  | 66,0     | 10   | 35   | 0,111 - 0,049 | 5,00        | 3,89            | 0,200             | 94,95 €     | 109,04 € |
| PSG0.5-140S | PSG0.5-140SL | 140   | 70,0  | 71,0     | 10   | 35   | 0,111 - 0,049 | 5,38        | 4,19            | 0,221             | 98,93 €     | 113,56 € |
| PSG0.5-150S | PSG0.5-150SL | 150   | 75,0  | 76,0     | 10   | 40   | 0,111 - 0,049 | 7,79        | 6,06            | 0,267             | 107,70 €    | 123,68 € |
| PSG0.5-200S | PSG0.5-200SL | 200   | 100,0 | 101,0    | 14   | 50   | 0,113 - 0,047 | 11,61       | 9,03            | 0,452             | 132,75 €    | 152,46 € |
| PSG0.5-250S | PSG0.5-250SL | 250   | 125,0 | 126,0    | 16   | 60   | 0,136 - 0,062 | 14,51       | 11,29           | 0,692             | 159,23 €    | 182,87 € |

Dimensions in mm

## Our other products



RT70

Self-centering locking Assembly,  
Medium/high torque



CHAL3

Piano hinge,  
Aluminium



WTM

Tightening washer -  
DIN6340, Steel



RIMple

Locking castor, with  
mounting plate



AT5courroie

AT type timing belt,  
AT5 Steel cored  
polyurethane



CHAEss

Decorative hinge,  
Stainless steel



G1

Steel spur gear, Steel  
20NCD2



PTA50ssEB

Articulated foot with  
sheet metal base  
Ø50, 4 000N



PCS75K

Chain sprocket with  
hardened teeth,  
19.05mm (DIN12B-1)



SUA4

Single chain supplied  
by the metre, Steel



RFK58B

Hypoid gearbox -  
Stainless steel, up to  
500 Nm



BLHB60

Right angled gearbox,  
bored shafts, up to 70  
Nm

## Complementary products



PSG05S

Spur gear - precision  
range, Stainless steel  
316



PSG05

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