

# Multi-edge for Slotting / Shouldering, Multi-purpose (High feed finishing)

для заказа - kyocera@kyocera-tools.ru

No. of Flutes: 4,5,6

## 4PGS, 5PGS, 6PGS



Workpiece Materials ★ 1st choice

★  
**P**  
~30HRC

★  
**P**  
30~40HRC

**H**  
~55HRC

**K**  
Cast Iron

**TiAlN**

Land

h6  
Shank Dia.

50°

## 4PGSS, 5PGSS

(Short)

Shouldering

(Unit : mm)

Description	Std.	Outside Dia.	Mill Dia. tolerance	Length of cut	Shank diameter	Overall length	No. of Flutes
		φDc		ℓ	φDs	L	Z
4PGSS030-045-06	<input type="checkbox"/>	3	-0.014 -0.028	4.5	6	57	4
4PGSS040-060-06	<input type="checkbox"/>	4	-0.020 -0.038	6	6	57	4
4PGSS050-075-06	<input type="checkbox"/>	5	-0.020 -0.038	7.5	6	76	4
4PGSS060-090-06	<input type="checkbox"/>	6	-0.020 -0.038	9	6	76	4
4PGSS080-120-08	<input type="checkbox"/>	8	-0.025 -0.047	12	8	100	4
4PGSS100-150-10	<input type="checkbox"/>	10	-0.025 -0.047	15	10	100	4
4PGSS120-180-12	<input type="checkbox"/>	12	-0.032 -0.059	18	12	125	4
4PGSS160-240-16	<input type="checkbox"/>	16	-0.032 -0.059	24	16	125	4
4PGSS200-300-20	<input type="checkbox"/>	20	-0.040 -0.073	30	20	150	4
5PGSS250-380-25	<input type="checkbox"/>	25	-0.040 -0.073	38	25	150	5

## 4PGSM, 5PGSM, 6PGSM

(Medium)

Shouldering

(Unit : mm)

Description	Std.	Outside Dia.	Mill Dia. tolerance	Length of cut	Shank diameter	Overall length	No. of Flutes
		φDc		ℓ	φDs	L	Z
4PGSM060-150-06	<input type="checkbox"/>	6	-0.020 -0.038	15	6	76	4
4PGSM080-200-08	<input type="checkbox"/>	8	-0.025 -0.047	20	8	100	4
5PGSM100-250-10	<input type="checkbox"/>	10	-0.025 -0.047	25	10	100	5
6PGSM120-300-12	<input type="checkbox"/>	12	-0.032 -0.059	30	12	125	6
6PGSM160-400-16	<input type="checkbox"/>	16	-0.032 -0.059	40	16	125	6
6PGSM200-500-20	<input type="checkbox"/>	20	-0.040 -0.073	50	20	150	6
6PGSM250-630-25	<input type="checkbox"/>	25	-0.040 -0.073	63	25	150	6

## 4PGSL, 5PGSL, 6PGSL

(Long)

Shouldering

(Unit : mm)

Description	Std.	Outside Dia.	Mill Dia. tolerance	Length of cut	Shank diameter	Overall length	No. of Flutes
		φDc		ℓ	φDs	L	Z
4PGSL060-210-06	<input type="checkbox"/>	6	-0.020 -0.038	21	6	76	4
4PGSL080-280-08	<input type="checkbox"/>	8	-0.025 -0.047	28	8	100	4
5PGSL100-350-10	<input type="checkbox"/>	10	-0.025 -0.047	35	10	100	5
6PGSL120-420-12	<input type="checkbox"/>	12	-0.032 -0.059	42	12	125	6
6PGSL160-560-16	<input type="checkbox"/>	16	-0.032 -0.059	56	16	125	6
6PGSL200-700-20	<input type="checkbox"/>	20	-0.040 -0.073	70	20	150	6
6PGSL250-880-25	<input type="checkbox"/>	25	-0.040 -0.073	88	25	150	6

- Web thickness ratio is 60% between the cutting edge and 1Dc and 80% for the rest. Good chip evacuation and high rigidity with chamfered edge.

Recommended Cutting Conditions ● L38-L39

: Check Availability



Solid End Mill