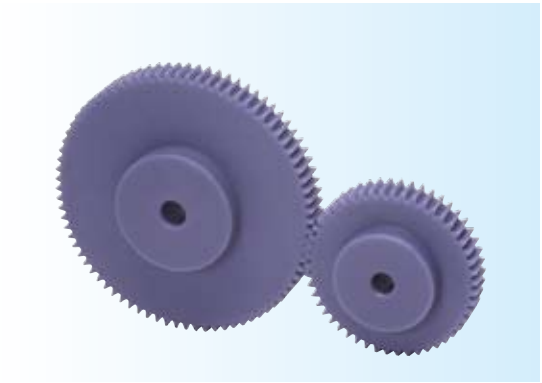
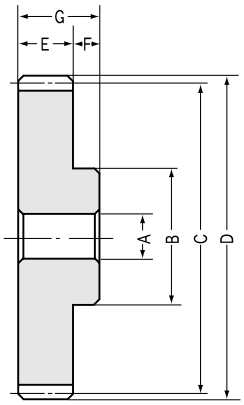
PS Plastic Spur Gears Module 1





S1 Shape

■ Module 1

Catalog No.	Module	No. of teeth	Bore NOTE 1	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Web thickness	Web O.D.
	m	z	A	B	C	D	E	F	G	H	I
PS1- 15	1	15	6	12	15	17	10	10	20	—	—
PS1- 16	1	16	6	12	16	18	10	10	20	—	—
PS1- 18	1	18	6	14	18	20	10	10	20	—	—
PS1- 20	1	20	6	16	20	22	10	10	20	—	—
PS1- 22	1	22	8	18	22	24	10	10	20	—	—
PS1- 24	1	24	8	20	24	26	10	10	20	—	—
PS1- 25	1	25	8	20	25	27	10	10	20	—	—
PS1- 26	1	26	8	20	26	28	10	10	20	—	—
PS1- 28	1	28	8	22	28	30	10	10	20	—	—
PS1- 30	1	30	8	25	30	32	10	10	20	—	—
PS1- 32	1	32	8	26	32	34	10	10	20	—	—
PS1- 35	1	35	8	26	35	37	10	10	20	—	—
PS1- 36	1	36	8	28	36	38	10	10	20	—	—
PS1- 40	1	40	10	35	40	42	10	10	20	—	—
PS1- 45	1	45	10	35	45	47	10	10	20	—	—
PS1- 48	1	48	10	35	48	50	10	10	20	—	—
PS1- 50	1	50	10	35	50	52	10	10	20	—	—
PS1- 55	1	55	10	35	55	57	10	10	20	—	—
PS1- 60	1	60	10	35	60	62	10	10	20	—	—
PS1- 65	1	65	10	35	65	67	10	10	20	—	—
PS1- 70	1	70	10	40	70	72	10	10	20	—	—
PS1- 75	1	75	10	40	75	77	10	10	20	—	—
PS1- 80	1	80	10	40	80	82	10	10	20	—	—
PS1- 85	1	85	10	40	85	87	10	10	20	—	—
PS1- 90	1	90	10	40	90	92	10	10	20	—	—
PS1- 95	1	95	10	40	95	97	10	10	20	—	—
PS1-100	1	100	10	40	100	102	10	10	20	—	—

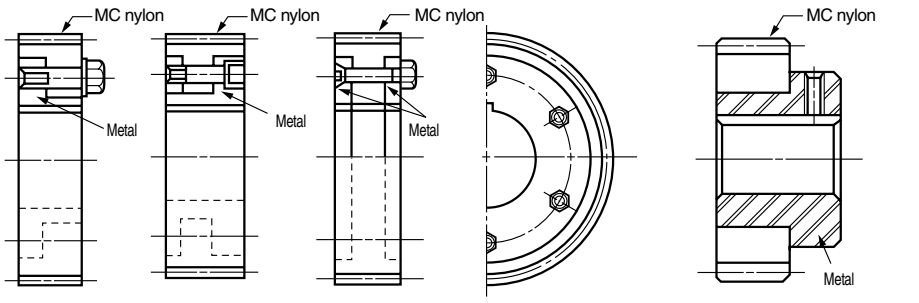
NOTE 1: The bore tolerance at the time of production is H8. Significant variations in temperature or humidity can cause dimensional changes plastic gears (MC Nylon). Please see page 32 for more details.

USEFUL HINT

A key, taper pin, roll or spiral pin, set screw or pressed bushing can be used to fasten a plastic gear to a shaft. For conditions shown below, there is a tendency for the gear to loosen. Therefore, a metal hub must be used to fix the gear:

1. When the ambient temperature is high.
2. When the gear diameter is large.
3. When the gear is subjected to reversing load which causes high impact on the key.

The diagrams on the right are three examples of methods for fastening plastic gears to metal hubs. If the shape of a gear is not suitable for bolt fastening, then the overmolding of plastic on a metal hub is recommended (shown in the far right diagram).



The overmolding of plastic on a metal hub

Specifications

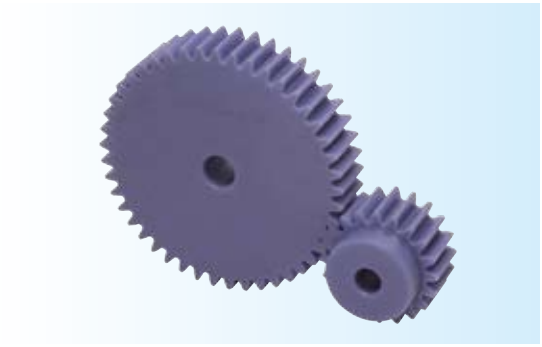
Precision grade	JIS N9 grade (JIS B1702-1: 1998) OLD JIS 5 grade (JIS B1702: 1976)	Tooth hardness	115～120HRR
Gear teeth	Standard full depth	Surface treatment	—
Pressure angle	20°	Tooth surface finish	Cut
Material	MC901	Datum reference surface for gear cutting	Bore
Heat treatment	—	Secondary Operations	Possible

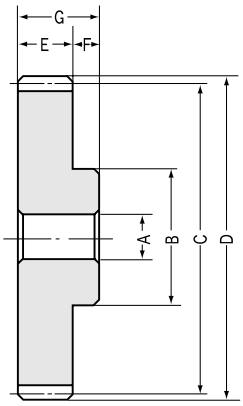
Shape	Allowable torque (N·m) NOTE 2 Bending strength	Allowable torque (kgf·m) Bending strength	Backlash (mm) NOTE 3	Weight (kgf)	Catalog No.
S1	0.4109	(0.0419)	0.1 ～ 0.24	0.003	**PS1- 15**
S1	0.454	(0.0463)	0.1 ～ 0.24	0.003	**PS1- 16**
S1	0.5296	(0.054)	0.1 ～ 0.24	0.004	**PS1- 18**
S1	0.6139	(0.0626)	0.1 ～ 0.24	0.006	**PS1- 20**
S1	0.6933	(0.0707)	0.12 ～ 0.26	0.006	**PS1- 22**
S1	0.7737	(0.0789)	0.12 ～ 0.26	0.007	**PS1- 24**
S1	0.8179	(0.0834)	0.12 ～ 0.26	0.007	**PS1- 25**
S1	0.862	(0.0879)	0.12 ～ 0.26	0.008	**PS1- 26**
S1	0.9424	(0.0961)	0.12 ～ 0.26	0.009	**PS1- 28**
S1	1.025	(0.1045)	0.12 ～ 0.26	0.011	**PS1- 30**
S1	1.113	(0.1135)	0.12 ～ 0.26	0.015	**PS1- 32**
S1	1.25	(0.1275)	0.12 ～ 0.26	0.016	**PS1- 35**
S1	1.298	(0.1324)	0.12 ～ 0.26	0.018	**PS1- 36**
S1	1.482	(0.1511)	0.12 ～ 0.26	0.023	**PS1- 40**
S1	1.714	(0.1748)	0.12 ～ 0.26	0.028	**PS1- 45**
S1	1.858	(0.1895)	0.12 ～ 0.26	0.03	**PS1- 48**
S1	1.956	(0.1995)	0.12 ～ 0.26	0.032	**PS1- 50**
S1	2.182	(0.2225)	0.14 ～ 0.28	0.037	**PS1- 55**
S1	2.412	(0.246)	0.14 ～ 0.28	0.042	**PS1- 60**
S1	2.64	(0.2692)	0.14 ～ 0.28	0.048	**PS1- 65**
S1	2.872	(0.2929)	0.14 ～ 0.28	0.057	**PS1- 70**
S1	3.109	(0.317)	0.14 ～ 0.28	0.064	**PS1- 75**
S1	3.335	(0.3401)	0.14 ～ 0.28	0.073	**PS1- 80**
S1	3.565	(0.3635)	0.14 ～ 0.28	0.078	**PS1- 85**
S1	3.797	(0.3872)	0.14 ～ 0.28	0.086	**PS1- 90**
S1	4.031	(0.4111)	0.14 ～ 0.28	0.095	**PS1- 95**
S1	4.269	(0.4353)	0.14 ～ 0.28	0.104	**PS1-100**

NOTE 2: The allowable torques shown in the table are calculated values using the Lewis formula.
Please see page 27 for more details.

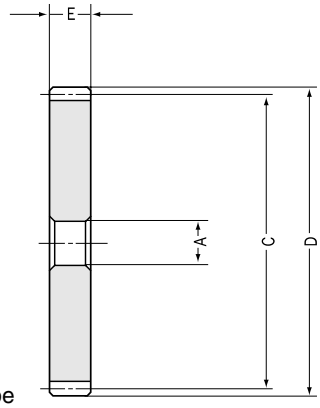
NOTE 3: The backlash values shown in the table are the theoretical values of a pair of identical gears in mesh.

PS·PSA Plastic Spur Gears Modules 1.5~2





S1 Shape



S5 Shape

■ Module 1.5

Catalog No.	Module	No. of teeth	Bore NOTE 1	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Web thickness	Web O.D.
	m	z	A	B	C	D	E	F	G(E)	H	I
PS1.5- 15	1.5	15	8	18	22.5	25.5	15	10	25	—	—
PS1.5- 16	1.5	16	8	20	24	27	15	10	25	—	—
PS1.5- 18	1.5	18	8	22	27	30	15	10	25	—	—
PS1.5- 20	1.5	20	8	24	30	33	15	10	25	—	—
PS1.5- 22	1.5	22	8	26	33	36	15	10	25	—	—
PS1.5- 24	1.5	24	8	28	36	39	15	10	25	—	—
PS1.5- 25	1.5	25	8	30	37.5	40.5	15	10	25	—	—
PS1.5- 26	1.5	26	8	32	39	42	15	10	25	—	—
PS1.5- 28	1.5	28	8	36	42	45	15	10	25	—	—
PS1.5- 30	1.5	30	8	38	45	48	15	10	25	—	—
PS1.5- 32	1.5	32	8	40	48	51	15	10	25	—	—
PS1.5- 35	1.5	35	8	42	52.5	55.5	15	10	25	—	—
PS1.5- 36	1.5	36	8	45	54	57	15	10	25	—	—
PS1.5- 40	1.5	40	10	45	60	63	15	10	25	—	—
PS1.5- 45	1.5	45	10	45	67.5	70.5	15	10	25	—	—
PS1.5- 48	1.5	48	10	45	72	75	15	10	25	—	—
PS1.5- 50	1.5	50	10	45	75	78	15	10	25	—	—
PS1.5- 55	1.5	55	10	45	82.5	85.5	15	10	25	—	—
PS1.5- 60	1.5	60	10	50	90	93	15	10	25	—	—
PS1.5- 65	1.5	65	12	50	97.5	100.5	15	10	25	—	—
PS1.5- 70	1.5	70	12	50	105	108	15	10	25	—	—
PS1.5- 75	1.5	75	12	50	112.5	115.5	15	10	25	—	—
PS1.5- 80	1.5	80	12	55	120	123	15	10	25	—	—
PS1.5- 85	1.5	85	12	55	127.5	130.5	15	10	25	—	—
PS1.5- 90	1.5	90	12	55	135	138	15	10	25	—	—
PS1.5- 95	1.5	95	12	60	142.5	145.5	15	10	25	—	—
PS1.5-100	1.5	100	12	60	150	153	15	10	25	—	—

■ Module 2

PS2-12	2	12	10	18	24	28	20	10	30	—	—
PS2-13	2	13	10	20	26	30	20	10	30	—	—
PS2-14	2	14	10	20	28	32	20	10	30	—	—
PS2-15	2	15	10	24	30	34	20	10	30	—	—
PS2-16	2	16	10	26	32	36	20	10	30	—	—
PS2-18	2	18	10	30	36	40	20	10	30	—	—
PS2-20	2	20	10	32	40	44	20	10	30	—	—
PS2-22	2	22	10	35	44	48	20	10	30	—	—
PS2-24	2	24	10	38	48	52	20	10	30	—	—
PS2-25	2	25	10	40	50	54	20	10	30	—	—
PS2-26	2	26	10	42	52	56	20	10	30	—	—
PS2-28	2	28	10	45	56	60	20	10	30	—	—
PS2-30	2	30	10	50	60	64	20	10	30	—	—
PSA2- 32	2	32	12	—	64	68	20	—	20	—	—
PSA2- 35	2	35	12	—	70	74	20	—	20	—	—
PSA2- 36	2	36	12	—	72	76	20	—	20	—	—
PSA2- 40	2	40	12	—	80	84	20	—	20	—	—
PSA2- 45	2	45	12	—	90	94	20	—	20	—	—
PSA2- 48	2	48	12	—	96	100	20	—	20	—	—
PSA2- 50	2	50	12	—	100	104	20	—	20	—	—
PSA2- 55	2	55	12	—	110	114	20	—	20	—	—
PSA2- 60	2	60	12	—	120	124	20	—	20	—	—
PSA2- 65	2	65	15	—	130	134	20	—	20	—	—
PSA2- 70	2	70	15	—	140	144	20	—	20	—	—
PSA2- 75	2	75	15	—	150	154	20	—	20	—	—
PSA2- 80	2	80	15	—	160	164	20	—	20	—	—
PSA2- 85	2	85	15	—	170	174	20	—	20	—	—
PSA2- 90	2	90	15	—	180	184	20	—	20	—	—
PSA2- 95	2	95	15	—	190	194	20	—	20	—	—
PSA2-100	2	100	15	—	200	204	20	—	20	—	—

NOTE 1: The bore tolerance at the time of production is H8. Significant variations in temperature or humidity can cause dimensional changes in plastic gears (MC Nylon) leading to distortions of bore, outside diameter etc. Please see page 32 for more details.

Specifications

Precision grade	JIS N9 grade (JIS B1702-1: 1998) OLD JIS 5 grade (JIS B1702: 1976)	Tooth hardness	115～120HRR
Gear teeth	Standard full depth	Surface treatment	—
Pressure angle	20°	Tooth surface finish	Cut
Material	MC901	Datum reference surface for gear cutting	Bore
Heat treatment	—	Secondary Operations	Possible

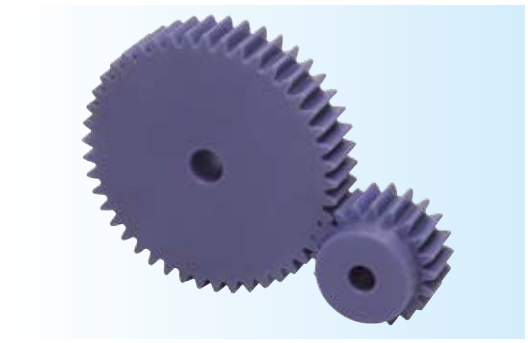
Shape	Allowable torque (N·m) NOTE 2 Bending strength	Allowable torque (kgf·m) Bending strength	Backlash (mm) NOTE 3	Weight (kgf)	Catalog No.
S1	1.386	(0.1413)	0.14 ～ 0.3	0.009	**PS1.5- 15**
S1	1.532	(0.1562)	0.14 ～ 0.3	0.01	**PS1.5- 16**
S1	1.788	(0.1823)	0.14 ～ 0.3	0.013	**PS1.5- 18**
S1	2.07	(0.2111)	0.14 ～ 0.3	0.018	**PS1.5- 20**
S1	2.341	(0.2387)	0.14 ～ 0.3	0.019	**PS1.5- 22**
S1	2.612	(0.2664)	0.14 ～ 0.3	0.028	**PS1.5- 24**
S1	2.76	(0.2814)	0.14 ～ 0.3	0.029	**PS1.5- 25**
S1	2.91	(0.2967)	0.14 ～ 0.3	0.03	**PS1.5- 26**
S1	3.181	(0.3244)	0.14 ～ 0.3	0.035	**PS1.5- 28**
S1	3.46	(0.3528)	0.14 ～ 0.3	0.045	**PS1.5- 30**
S1	3.758	(0.3832)	0.14 ～ 0.3	0.045	**PS1.5- 32**
S1	4.222	(0.4305)	0.16 ～ 0.32	0.05	**PS1.5- 35**
S1	4.382	(0.4468)	0.16 ～ 0.32	0.059	**PS1.5- 36**
S1	5.001	(0.51)	0.16 ～ 0.32	0.065	**PS1.5- 40**
S1	5.785	(0.5899)	0.16 ～ 0.32	0.078	**PS1.5- 45**
S1	6.272	(0.6396)	0.16 ～ 0.32	0.086	**PS1.5- 48**
S1	6.604	(0.6734)	0.16 ～ 0.32	0.092	**PS1.5- 50**
S1	7.364	(0.7509)	0.16 ～ 0.32	0.11	**PS1.5- 55**
S1	8.141	(0.8302)	0.16 ～ 0.32	0.13	**PS1.5- 60**
S1	8.91	(0.9086)	0.16 ～ 0.32	0.15	**PS1.5- 65**
S1	9.694	(0.9885)	0.18 ～ 0.36	0.17	**PS1.5- 70**
S1	10.49	(1.07)	0.18 ～ 0.36	0.19	**PS1.5- 75**
S1	11.26	(1.148)	0.18 ～ 0.36	0.22	**PS1.5- 80**
S1	12.03	(1.227)	0.18 ～ 0.36	0.25	**PS1.5- 85**
S1	12.82	(1.307)	0.18 ～ 0.36	0.27	**PS1.5- 90**
S1	13.6	(1.387)	0.18 ～ 0.36	0.3	**PS1.5- 95**
S1	14.41	(1.469)	0.18 ～ 0.36	0.34	**PS1.5-100**

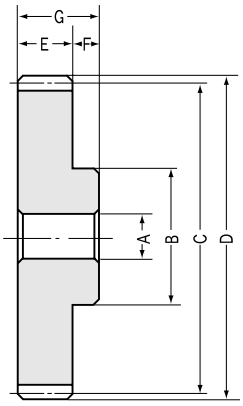
S1	2.247	(0.2291)	0.18 ～ 0.34	0.011	**PS2-12**
S1	2.589	(0.264)	0.18 ～ 0.34	0.013	**PS2-13**
S1	2.956	(0.3014)	0.18 ～ 0.34	0.015	**PS2-14**
S1	3.285	(0.335)	0.18 ～ 0.34	0.016	**PS2-15**
S1	3.63	(0.3702)	0.18 ～ 0.34	0.022	**PS2-16**
S1	4.238	(0.4322)	0.18 ～ 0.34	0.029	**PS2-18**
S1	4.908	(0.5005)	0.18 ～ 0.34	0.032	**PS2-20**
S1	5.548	(0.5657)	0.18 ～ 0.34	0.043	**PS2-22**
S1	6.193	(0.6315)	0.18 ～ 0.34	0.052	**PS2-24**
S1	6.541	(0.667)	0.18 ～ 0.34	0.059	**PS2-25**
S1	6.896	(0.7032)	0.2 ～ 0.36	0.062	**PS2-26**
S1	7.54	(0.7689)	0.2 ～ 0.36	0.074	**PS2-28**
S1	8.201	(0.8363)	0.2 ～ 0.36	0.087	**PS2-30**

S5	8.906	(0.9082)	0.2 ～ 0.36	0.072	**PSA2- 32**
S5	10	(1.02)	0.2 ～ 0.36	0.086	**PSA2- 35**
S5	10.39	(1.059)	0.2 ～ 0.36	0.089	**PSA2- 36**
S5	11.86	(1.209)	0.2 ～ 0.36	0.11	**PSA2- 40**
S5	13.71	(1.398)	0.2 ～ 0.36	0.15	**PSA2- 45**
S5	14.87	(1.516)	0.2 ～ 0.36	0.16	**PSA2- 48**
S5	15.65	(1.596)	0.2 ～ 0.36	0.18	**PSA2- 50**
S5	17.46	(1.78)	0.22 ～ 0.38	0.22	**PSA2- 55**
S5	19.3	(1.968)	0.22 ～ 0.38	0.28	**PSA2- 60**
S5	21.12	(2.154)	0.22 ～ 0.38	0.3	**PSA2- 65**
S5	22.98	(2.343)	0.22 ～ 0.38	0.35	**PSA2- 70**
S5	24.87	(2.536)	0.22 ～ 0.38	0.41	**PSA2- 75**
S5	26.68	(2.721)	0.22 ～ 0.38	0.46	**PSA2- 80**
S5	28.52	(2.908)	0.22 ～ 0.38	0.52	**PSA2- 85**
S5	30.38	(3.098)	0.22 ～ 0.38	0.59	**PSA2- 90**
S5	32.25	(3.289)	0.22 ～ 0.38	0.65	**PSA2- 95**
S5	34.15	(3.482)	0.22 ～ 0.38	0.72	**PSA2-100**

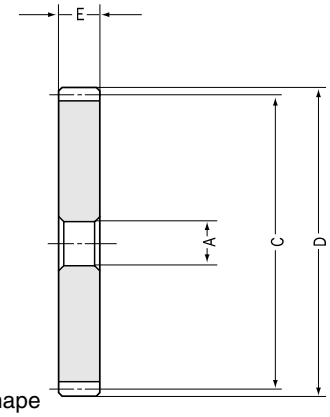
NOTE 2: The allowable torques shown in the table are calculated values using the Lewis formula. Please see page 27 for more details.
NOTE 3: The backlash values shown in the table are the theoretical values of a pair of identical gears in mesh.

PS·PSA Plastic Spur Gears Modules 2.5~3





S1 Shape



S5 Shape

■ Module 2.5

Catalog No.	Module	No. of teeth	Bore NOTE 1	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Web thickness	Web O.D.
	m	z	A	B	C	D	E	F	G(E)	H	I
PS2.5-12	2.5	12	10	23	30	35	25	12	37	—	—
PS2.5-13	2.5	13	10	25	32.5	37.5	25	12	37	—	—
PS2.5-14	2.5	14	10	25	35	40	25	12	37	—	—
PS2.5-15	2.5	15	12	30	37.5	42.5	25	12	37	—	—
PS2.5-16	2.5	16	12	32	40	45	25	12	37	—	—
PS2.5-18	2.5	18	12	38	45	50	25	12	37	—	—
PS2.5-20	2.5	20	12	40	50	55	25	12	37	—	—
PS2.5-22	2.5	22	12	44	55	60	25	12	37	—	—
PS2.5-24	2.5	24	12	48	60	65	25	12	37	—	—
PS2.5-25	2.5	25	12	50	62.5	67.5	25	12	37	—	—
PS2.5-26	2.5	26	12	55	65	70	25	12	37	—	—
PS2.5-28	2.5	28	12	60	70	75	25	12	37	—	—
PS2.5-30	2.5	30	12	65	75	80	25	12	37	—	—
PSA2.5-32	2.5	32	15	—	80	85	25	—	25	—	—
PSA2.5-35	2.5	35	15	—	87.5	92.5	25	—	25	—	—
PSA2.5-36	2.5	36	15	—	90	95	25	—	25	—	—
PSA2.5-40	2.5	40	15	—	100	105	25	—	25	—	—
PSA2.5-45	2.5	45	15	—	112.5	117.5	25	—	25	—	—
PSA2.5-48	2.5	48	15	—	120	125	25	—	25	—	—
PSA2.5-50	2.5	50	15	—	125	130	25	—	25	—	—
PSA2.5-55	2.5	55	15	—	137.5	142.5	25	—	25	—	—
PSA2.5-60	2.5	60	15	—	150	155	25	—	25	—	—

■ Module 3

PS3-12	3	12	12	28	36	42	30	15	45	—	—
PS3-13	3	13	12	30	39	45	30	15	45	—	—
PS3-14	3	14	12	32	42	48	30	15	45	—	—
PS3-15	3	15	14	36	45	51	30	15	45	—	—
PS3-16	3	16	14	38	48	54	30	15	45	—	—
PS3-18	3	18	14	40	54	60	30	15	45	—	—
PS3-20	3	20	14	50	60	66	30	15	45	—	—
PS3-22	3	22	14	54	66	72	30	15	45	—	—
PS3-24	3	24	14	58	72	78	30	15	45	—	—
PS3-25	3	25	14	60	75	81	30	15	45	—	—
PS3-26	3	26	14	65	78	84	30	15	45	—	—
PS3-28	3	28	14	70	84	90	30	15	45	—	—
PS3-30	3	30	14	75	90	96	30	15	45	—	—
PSA3-32	3	32	18	—	96	102	30	—	30	—	—
PSA3-35	3	35	18	—	105	111	30	—	30	—	—
PSA3-36	3	36	18	—	108	114	30	—	30	—	—
PSA3-40	3	40	18	—	120	126	30	—	30	—	—
PSA3-45	3	45	18	—	135	141	30	—	30	—	—
PSA3-48	3	48	18	—	144	150	30	—	30	—	—
PSA3-50	3	50	18	—	150	156	30	—	30	—	—
PSA3-55	3	55	18	—	165	171	30	—	30	—	—
PSA3-60	3	60	18	—	180	186	30	—	30	—	—

NOTE 1: The bore tolerance at the time of production is H8. Significant variations in temperature or humidity can cause dimensional changes in plastic gears (MC Nylon) leading to distortions of bore, outside diameter etc. Please see page 32 for more details.

Specifications

Precision grade	JIS N9 grade (JIS B1702-1: 1998) OLD JIS 5 grade (JIS B1702: 1976)	Tooth hardness	115～120HRR
Gear teeth	Standard full depth	Surface treatment	—
Pressure angle	20°	Tooth surface finish	Cut
Material	MC901	Datum reference surface for gear cutting	Bore
Heat treatment	—	Secondary Operations	Possible

Shape	Allowable torque (N·m) NOTE 2 Bending strength	Allowable torque (kgf·m) Bending strength	Backlash (mm) NOTE 3	Weight (kgf)	Catalog No.
S1	4.387	(0.4474)	0.2 ～ 0.36	0.026	**PS2.5-12**
S1	5.057	(0.5157)	0.2 ～ 0.36	0.027	**PS2.5-13**
S1	5.773	(0.5887)	0.2 ～ 0.36	0.031	**PS2.5-14**
S1	6.416	(0.6543)	0.2 ～ 0.36	0.034	**PS2.5-15**
S1	7.091	(0.7231)	0.2 ～ 0.36	0.037	**PS2.5-16**
S1	8.279	(0.8442)	0.2 ～ 0.36	0.074	**PS2.5-18**
S1	9.586	(0.9775)	0.2 ～ 0.36	0.065	**PS2.5-20**
S1	10.84	(1.105)	0.22～ 0.38	0.084	**PS2.5-22**
S1	12.09	(1.233)	0.22～ 0.38	0.096	**PS2.5-24**
S1	12.78	(1.303)	0.22～ 0.38	0.1	**PS2.5-25**
S1	13.47	(1.374)	0.22～ 0.38	0.12	**PS2.5-26**
S1	14.73	(1.502)	0.22～ 0.38	0.15	**PS2.5-28**
S1	16.01	(1.633)	0.22～ 0.38	0.18	**PS2.5-30**
S5	17.4	(1.774)	0.22～ 0.38	0.16	**PSA2.5-32**
S5	19.54	(1.993)	0.22～ 0.38	0.16	**PSA2.5-35**
S5	20.28	(2.068)	0.22～ 0.38	0.17	**PSA2.5-36**
S5	23.15	(2.361)	0.22～ 0.38	0.18	**PSA2.5-40**
S5	26.78	(2.731)	0.24～ 0.4	0.28	**PSA2.5-45**
S5	29.04	(2.961)	0.24～ 0.4	0.32	**PSA2.5-48**
S5	30.58	(3.118)	0.24～ 0.4	0.36	**PSA2.5-50**
S5	34.09	(3.476)	0.24～ 0.4	0.42	**PSA2.5-55**
S5	37.7	(3.844)	0.24～ 0.4	0.51	**PSA2.5-60**
S1	7.581	(0.7731)	0.28 ～ 0.44	0.04	**PS3-12**
S1	8.739	(0.8911)	0.28 ～ 0.44	0.048	**PS3-13**
S1	9.973	(1.017)	0.28 ～ 0.44	0.056	**PS3-14**
S1	11.09	(1.131)	0.28 ～ 0.44	0.059	**PS3-15**
S1	12.25	(1.249)	0.28 ～ 0.44	0.074	**PS3-16**
S1	14.31	(1.459)	0.3 ～ 0.46	0.1	**PS3-18**
S1	16.56	(1.689)	0.3 ～ 0.46	0.12	**PS3-20**
S1	18.72	(1.909)	0.3 ～ 0.46	0.15	**PS3-22**
S1	20.9	(2.131)	0.3 ～ 0.46	0.18	**PS3-24**
S1	22.07	(2.251)	0.3 ～ 0.46	0.19	**PS3-25**
S1	23.27	(2.373)	0.3 ～ 0.46	0.21	**PS3-26**
S1	25.45	(2.595)	0.3 ～ 0.46	0.25	**PS3-28**
S1	27.67	(2.822)	0.3 ～ 0.46	0.26	**PS3-30**
S5	30.06	(3.065)	0.3 ～ 0.46	0.23	**PSA3-32**
S5	33.77	(3.444)	0.32 ～ 0.48	0.29	**PSA3-35**
S5	35.05	(3.574)	0.32 ～ 0.48	0.31	**PSA3-36**
S5	40.01	(4.08)	0.32 ～ 0.48	0.38	**PSA3-40**
S5	46.28	(4.719)	0.32 ～ 0.48	0.49	**PSA3-45**
S5	50.18	(5.117)	0.32 ～ 0.48	0.55	**PSA3-48**
S5	52.83	(5.387)	0.32 ～ 0.48	0.53	**PSA3-50**
S5	58.91	(6.007)	0.32 ～ 0.48	0.73	**PSA3-55**
S5	65.14	(6.642)	0.32 ～ 0.48	0.88	**PSA3-60**

NOTE 2: The allowable torques shown in the table are calculated values using the Lewis formula.
Please see page 27 for more details.

NOTE 3: The backlash values shown in the table are the theoretical values of a pair of identical gears in mesh.