

> Spur Gears, Precision

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
Fairloc®		0.5								1-27
		0.5								1-28
		0.5								1-37
Fairloc®		0.5	Hub					Gear		1-98
		0.5	Hub					Gear		1-99
		0.5								1-104
Fairloc®		0.8								1-42
		0.8								1-43
		0.8								1-47
Fairloc®		0.8	Hub					Gear		1-106
		0.8	Hub					Gear		1-107
		0.8								1-110
Fairloc®		1								1-50
		1								1-51
		1								1-57
		1								1-59
Fairloc®		1	Hub					Gear		1-111
		1	Hub					Gear		1-112
		1	Core				Gear			1-113
		1								1-120
		1.25								1-65
		1.25								1-67
		1.5								1-70
		1.5								1-73
		1.5	Core				Gear			1-122
		2								1-79
		2								1-82
		2	Core				Gear			1-125
		2.5								1-86
		2.5								1-89
		3								1-92
		3								1-95

> Spur Gears, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.4								1-26
		0.4			Insert			Gear		1-96
		0.4								1-97
		0.5								1-33
		0.5								1-35
		0.5								1-36
		0.5			Insert			Gear		1-100
		0.5								1-101
		0.7								1-105
		0.75								1-40
		0.75								1-41
		0.8								1-45
		0.8			Insert			Gear		1-108
		0.8								1-109
		1								1-53
		1								1-62
		1			Insert			Gear		1-114
		1								1-116
		1								1-119
		1.25								1-121
		1.5								1-68
		1.5								1-72
		1.5								1-74
		1.5								1-123
		1.5								1-124

➤ **Spur Gears, Commercial (Continued)**

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		2								1-76
		2								1-80
		2								1-126
		2								1-127
		2								1-128
		2.5								1-83
		2.5								1-87
		2.5								1-129
		2.5								1-130
		3								1-90
		3								1-93
		3								1-131
		3								1-132
		3								1-133

➤ **Spur Gears, Ground, Precision**

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.5								1-7
		0.8								1-9
		1								1-11
		1.5								1-13
		2								1-14
		2.5								1-15
		3								1-16
		CP2								1-17
		CP5								1-17

➤ **Anti-Backlash Gears, Precision**

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.5								1-134
		0.5								1-135
		0.8								1-134
		0.8								1-135
		1								1-134
		1								1-135

➤ **Spur Gear Stock, Commercial**

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.4								1-23
		0.5								1-23
		0.8								1-24
		1								1-24

➤ **Pinions, Commercial**

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.15								1-18
		0.2								1-18
		0.25								1-18
		0.25								1-19
		0.3								1-18
		0.4								1-18
		0.4								1-19
		0.4								1-20
		0.5								1-18
		0.5								1-19
		0.5								1-21
		0.6								1-19

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> Pinions, Commercial (Continued)

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.75								1-18
		0.8								1-18
		0.8								1-22
		0.8								1-147
		1								1-19
		1								1-147
		1.5								1-147
		2								1-147

> Pinion Shafts, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
										1-20
										1-21
										1-22

> Pinion Wire, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.4								1-25
		0.5								1-25
		0.8								1-25

> Racks, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.3								1-139
		0.4								1-140
		0.5								1-139
		0.5								1-140
		0.5								1-143
		0.7								1-143
		0.75								1-139
		0.8								1-139
		0.8								1-141
		1								1-139
		1								1-141
		1								1-143
		1.25								1-143
		1.5								1-142
		1.5								1-143
		2								1-142
		2								1-143
		2.5								1-142
		2.5								1-143
		3								1-142
		3								1-143

> Racks, Flexirack, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.8								1-146
		1								1-146
		1.5								1-146
		2								1-146

> Racks, Flexirack Guide Rails, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.8								1-147
		1								1-147
		1.5								1-147
		2								1-147

> Racks, Ground & Joining Gauge, Precision

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.5								1-138
		0.8								1-138
		1								1-138
		1.5								1-138
		CP2								1-144
		CP5								1-144

> Racks, Round, Precision

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.5								1-143
		0.75								1-143
		0.8								1-143
		1								1-143

> Internal Gears, Precision

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.5								1-137
		0.8								1-137
		1								1-137

> Internal Gears, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		1								1-136

> Helical Gears, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		1								1-136
		1.5								1-136
		2								1-136

> Miter Gears, Spiral, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		1								1-149
		1.25								1-150
		1.5								1-150
		2								1-150
		2.25								1-150

> Miter Gears, Spiral, Ground, Precision

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		2								1-148
		2.5								1-148
		3								1-148
		3.5								1-148
		4								1-148
		5								1-148

> Miter Gears, Straight, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.5								1-149
		0.5								1-153
		0.6								1-152
		0.8								1-149
		0.8								1-153
		1								1-149
		1								1-152
		1								1-153
		1							Die Cast Zinc	1-154
		1.5								1-151
		1.5								1-152
		1.5								1-153
		1.5							Die Cast Zinc	1-154
		2								1-151
		2								1-153
		2							Die Cast Zinc	1-154
		2.5								1-151
		2.5								1-153
		2.5							Die Cast Zinc	1-154
		2.75								1-151
		3								1-151
		3								1-153
		3							Die Cast Zinc	1-154
		3.5								1-153
		3.5							Die Cast Zinc	1-154

> Bevel Gears, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.5								1-156
		0.5								1-158
		0.8								1-156
		0.8								1-158
		1								1-156
		1								1-158
		1.5								1-157
		1.5								1-158
		2								1-157
		2								1-158
		2.5								1-157
		2.5								1-158
		3								1-157
		3								1-158

> Bevel Gears, Spiral, Ground, Precision

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		2								1-155
		2.5								1-155
		3								1-155
		4								1-155

> Worms, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.5								1-160
		0.8								1-161
		0.8								1-162
		1								1-163
		1								1-164
		1							Die Cast Zinc	1-166
		1								1-169
		1.5								1-167
		1.5								1-168
		1.5								1-169
		2							Die Cast Zinc	1-166
		2								1-169
		2								1-170
		2.5								1-169
		2.5								1-172
		3								1-174

> Worm Gears, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
		0.5							Aluminum Bronze	1-160
		0.8							Aluminum Bronze	1-161
		0.8								1-162
		1							Aluminum Bronze	1-163
		1			Insert			Gear		1-164
		1							Aluminum Bronze	1-165
		1								1-166
		1								1-169
		1.5			Insert			Gear	Cast Iron	1-167
		1.5							Aluminum Bronze	1-168
		1.5								1-169
		2								1-166
		2								1-169
		2							Cast Iron	1-176
		2							Aluminum Bronze	1-171
		2.5								1-169
		2.5							Aluminum Bronze	1-173
		3							Aluminum Bronze	1-175
		3							Cast Iron	1-176

> Gear & Dial Hubs, Precision

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
Fairloc®										1-177
										1-178

> Gear Blanks, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
					Insert			Gear		1-179
										1-180

> Splines & Splined Bushings, Commercial

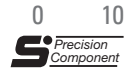
Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
										1-182
										1-183

> Ratchets & Pawls, Commercial

Hub	Hubless	Module	S. Steel	Steel	Brass	Aluminum	Nylon	Acetal	Other	Page No.
										1-184

ISO CLASS 5
8 mm FACE
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM



> MATERIAL:

AISI 4135 Steel, Tooth Surface
Induction Hardened To HRC 50...55

> SPECIFICATION:

Δ Shaft Tolerance: 6 mm 0/-0.012
10 mm 0/-0.015



Fig. 1



Fig. 2



Fig. 3

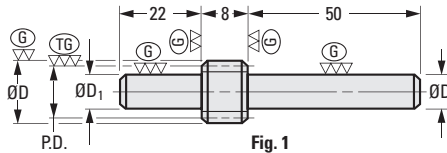


Fig. 1

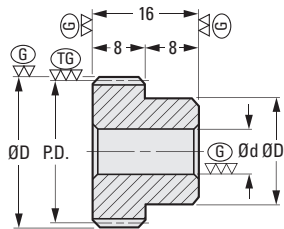


Fig. 2

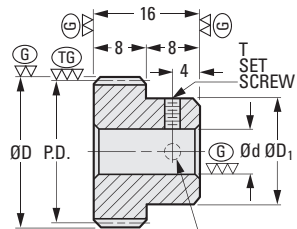


Fig. 3

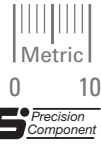
METRIC COMPONENT

Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tol.	D ₁ Hub Dia.	T Set Screw
S15S05M020P0800G	1	20	10	11	—	—	6 (h7) Δ	—
S15S05M024P0800G	1	24	12	13	—	—	10 (h7) Δ	—
S15S05M025P0800G	1	25	12.5	13.5	—	—	10 (h7) Δ	—
S10S05M030P0806G	2	30	15	16	6	+0.012/0	12	—
S10S05M030T0806G	3	30	15	16	6	+0.012/0	12	M3
S10S05M032P0806G	2	32	16	17	6	+0.012/0	12	—
S10S05M036P0808G	2	36	18	19	8	+0.015/0	16	—
S10S05M040P0808G	2	40	20	21	8	+0.015/0	16	—
S10S05M040T0808G	3	40	20	21	8	+0.015/0	16	M4
S10S05M045P0808G	2	45	22.5	23.5	8	+0.015/0	16	—
S10S05M048P0808G	2	48	24	25	8	+0.015/0	20	—
S10S05M050P0808G	2	50	25	26	8	+0.015/0	20	—
S10S05M050P0810G	2	50	25	26	10	+0.015/0	20	—
S10S05M050T0810G	3	50	25	26	10	+0.015/0	20	M4
S10S05M054P0808G	2	54	27	28	8	+0.015/0	20	—
S10S05M056P0808G	2	56	28	29	8	+0.015/0	20	—
S10S05M060P0808G	2	60	30	31	8	+0.015/0	22	—
S10S05M060P0810G	2	60	30	31	10	+0.015/0	22	—
S10S05M060T0810G	3	60	30	31	10	+0.015/0	22	M4

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8 mm FACE
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> MATERIAL:

AISI 4135 Steel, Tooth Surface
Induction Hardened To HRC 50...55



Fig. 1



Fig. 2

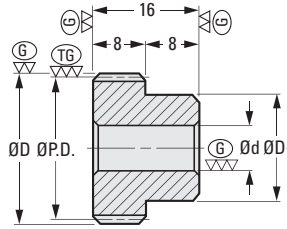


Fig. 1

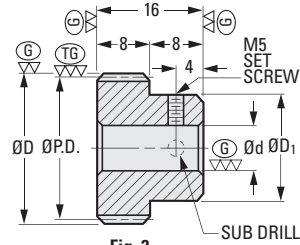


Fig. 2

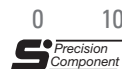
METRIC COMPONENT

Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tol.	D ₁ Hub Dia.
S10S05M064P0808G	1	64	32	33	8	+0.015/0	22
S10S05M070P0808G	1	70	35	36	8	+0.015/0	22
S10S05M072P0808G	1	72	36	37	8	+0.015/0	25
S10S05M075P0808G	1	75	37.5	38.5	8	+0.015/0	25
S10S05M080P0808G	1	80	40	41	8	+0.015/0	25
S10S05M080P0812G	1	80	40	41	12	+0.018/0	25
S10S05M080T0812G	2	80	40	41	12	+0.018/0	25
S10S05M090P0810G	1	90	45	46	10	+0.015/0	30
S10S05M096P0810G	1	96	48	49	10	+0.015/0	30
S10S05M100P0810G	1	100	50	51	10	+0.015/0	30
S10S05M100P0812G	1	100	50	51	12	+0.018/0	30
S10S05M100T0812G	2	100	50	51	12	+0.018/0	30
S10S05M108P0810G	1	108	54	55	10	+0.015/0	35
S10S05M112P0810G	1	112	56	57	10	+0.015/0	35
S10S05M120P0810G	1	120	60	61	10	+0.015/0	35

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➤ MATERIAL:

AISI 4135 Steel, Tooth Surface
Induction Hardened To HRC 50...55

➤ SPECIFICATION:

Δ Shaft Tolerance: 6 mm 0/-0.012
8 & 10 mm 0/-0.015



Fig. 1



Fig. 2



Fig. 3

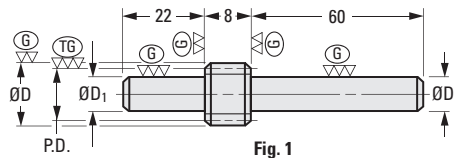


Fig. 1

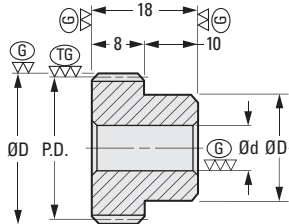


Fig. 2

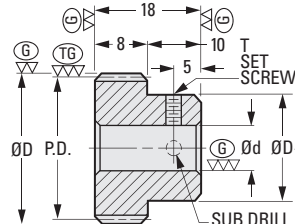


Fig. 3

METRIC COMPONENT

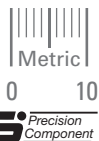
Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tol.	D ₁ Hub Dia.	T Set Screw	Sub Drill Dia.
S15S08M015P0800G	1	15	12	13.6	—	—	6 (h7) Δ	—	—
S15S08M016P0800G	1	16	12.8	14.4	—	—	6 (h7) Δ	—	—
S15S08M018P0800G	1	18	14.4	16	—	—	8 (h7) Δ	—	—
S15S08M020P0800G	1	20	16	17.6	—	—	10 (h7) Δ	—	—
S15S08M024P0800G	1	24	19.2	20.8	—	—	10 (h7) Δ	—	—
S15S08M025P0800G	1	25	20	21.6	—	—	10 (h7) Δ	—	—
S10S08M030P0810G	2	30	24	25.6	10	+0.015/0	20	—	—
S10S08M030T0810G	3	30	24	25.6	10	+0.015/0	20	M4	3.3
S10S08M032P0810G	2	32	25.6	27.2	10	+0.015/0	20	—	—
S10S08M036P0810G	2	36	28.8	30.4	10	+0.015/0	20	—	—
S10S08M040P0810G	2	40	32	33.6	10	+0.015/0	25	—	—
S10S08M040T0812G	3	40	32	33.6	12	+0.018/0	25	M5	4.2
S10S08M048P0810G	2	48	38.4	40	10	+0.015/0	25	—	—
S10S08M050P0810G	2	50	40	41.6	10	+0.015/0	25	—	—
S10S08M050T0812G	3	50	40	41.6	12	+0.018/0	25	M5	4.2
S10S08M054P0810G	2	54	43.2	44.8	10	+0.015/0	25	—	—
S10S08M056P0810G	2	56	44.8	46.4	10	+0.015/0	25	—	—

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ISO CLASS 5
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MATERIAL:

AISI 4135 Steel, Tooth Surface
Induction Hardened To HRC 50...55



Fig. 1



Fig. 2

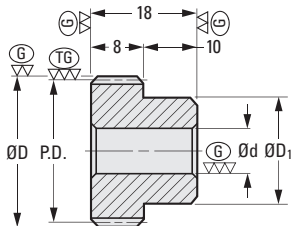


Fig. 1

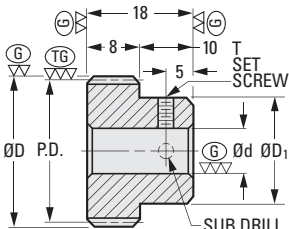


Fig. 2

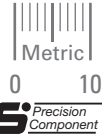
METRIC COMPONENT

Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tol.	D ₁ Hub Dia.	T Set Screw	Sub Drill Dia.
S10S08M060P0810G	1	60	48	49.6	10	+0.015/0	25	—	—
S10S08M060T0812G	2	60	48	49.6	12	+0.018/0	25	M5	4.2
S10S08M064P0812G	1	64	51.2	52.8	12	+0.018/0	30	—	—
S10S08M070P0812G	1	70	56	57.6	12	+0.018/0	30	—	—
S10S08M072P0812G	1	72	57.6	59.2	12	+0.018/0	30	—	—
S10S08M075P0812G	1	75	60	61.6	12	+0.018/0	30	—	—
S10S08M080P0812G	1	80	64	65.6	12	+0.018/0	30	—	—
S10S08M080T0815G	2	80	64	65.6	15	+0.018/0	30	M6	5
S10S08M090P0812G	1	90	72	73.6	12	+0.018/0	35	—	—
S10S08M096P0812G	1	96	76.8	78.4	12	+0.018/0	35	—	—
S10S08M100P0812G	1	100	80	81.6	12	+0.018/0	35	—	—
S10S08M100T0820G	2	100	80	81.6	20	+0.021/0	35	M6	5
S10S08M108P0812G	1	108	86.4	88	12	+0.018/0	40	—	—
S10S08M112P0812G	1	112	89.6	91.2	12	+0.018/0	40	—	—
S10S08M120P0812G	1	120	96	97.6	12	+0.018/0	40	—	—
S10S08M120T0820G	2	120	96	97.6	20	+0.021/0	40	M6	5

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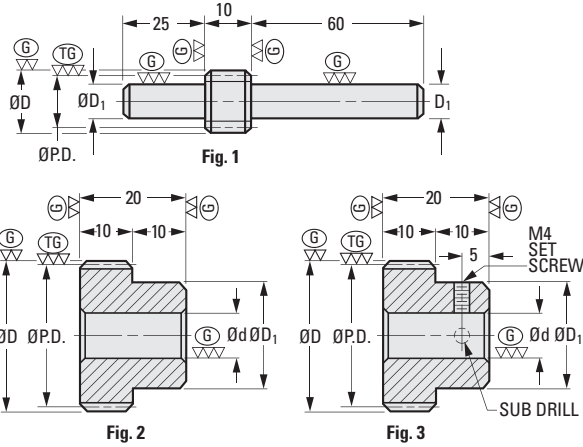
ISO CLASS 5
10 mm FACE
20° PRESSURE ANGLE

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> MATERIAL:
AISI 4135 Steel, Tooth Surface
Induction Hardened To HRC 50...55

> SPECIFICATION:
Δ Shaft Tolerance: 8 & 10 mm 0/-0.015



METRIC COMPONENT

Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	D ₁ Hub Dia.
S15S10M014P1000G	1	14	14	16	-	-	8 (h7) Δ
S15S10M015P1000G	1	15	15	17	-	-	10 (h7) Δ
S15S10M016P1000G	1	16	16	18	-	-	10 (h7) Δ
S15S10M018P1000G	1	18	18	20	-	-	10 (h7) Δ
S10S10M018P1008G	2	18	18	20	8	+0.015/0	15
S10S10M020P1008G	2	20	20	22	8	+0.015/0	16
S10S10M020T1008G	3	20	20	22	8	+0.015/0	16
S10S10M020T1010G	3	20	20	22	10	+0.015/0	16
S10S10M024P1008G	2	24	24	26	8	+0.015/0	20
S10S10M025P1008G	2	25	25	27	8	+0.015/0	20
S10S10M028P1008G	2	28	28	30	8	+0.015/0	20
S10S10M030P1010G	2	30	30	32	10	+0.015/0	26
S10S10M030T1010G	3	30	30	32	10	+0.015/0	26
S10S10M030T1012G	3	30	30	32	12	+0.018/0	26
S10S10M032P1010G	2	32	32	34	10	+0.015/0	26
S10S10M035P1010G	2	35	35	37	10	+0.015/0	26
S10S10M036P1010G	2	36	36	38	10	+0.015/0	26
S10S10M040P1010G	2	40	40	42	10	+0.015/0	26
S10S10M040P1012G	2	40	40	42	12	+0.018/0	26

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ISO CLASS 5
10 mm FACE
20° PRESSURE ANGLE

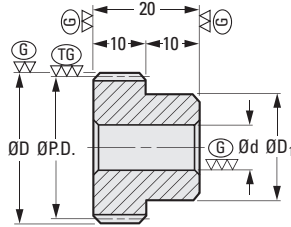


0 10

S Precision Component

> MATERIAL:

AISI 4135 Steel, Tooth Surface
Induction Hardened To HRC 50...55



METRIC COMPONENT

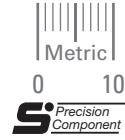
Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	D1 Hub Dia.
S10S10M045P1012G	45	45	47	12	+0.018/0	35
S10S10M048P1012G	48	48	50	12	+0.018/0	35
S10S10M050P1012G	50	50	52	12	+0.018/0	35
S10S10M050P1016G	50	50	52	16	+0.018/0	35
S10S10M054P1012G	54	54	56	12	+0.018/0	35
S10S10M056P1012G	56	56	58	12	+0.018/0	35
S10S10M060P1012G	60	60	62	12	+0.018/0	40
S10S10M060P1018G	60	60	62	18	+0.018/0	40
S10S10M064P1012G	64	64	66	12	+0.018/0	40
S10S10M070P1012G	70	70	72	12	+0.018/0	40
S10S10M072P1012G	72	72	74	12	+0.018/0	45
S10S10M075P1012G	75	75	77	12	+0.018/0	45
S10S10M080P1015G	80	80	82	15	+0.018/0	45
S10S10M080P1020G	80	80	82	20	+0.021/0	45
S10S10M090P1015G	90	90	92	15	+0.018/0	50
S10S10M096P1015G	96	96	98	15	+0.018/0	50
S10S10M100P1015G	100	100	102	15	+0.018/0	50
S10S10M100P1020G	100	100	102	20	+0.021/0	50
S10S10M108P1015G	108	108	110	15	+0.018/0	50
S10S10M112P1015G	112	112	114	15	+0.018/0	50
S10S10M120P1015G	120	120	122	15	+0.018/0	50

Continued from the previous page



ISO CLASS 5
15 mm FACE
20° PRESSURE ANGLE

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► **MATERIAL:**
AISI 4135 Steel, Tooth Surface
Induction Hardened To HRC 50...55



Fig. 1



Fig. 2

► **SPECIFICATION:**
Δ Shaft Tolerance: 12 mm 0/-0.018

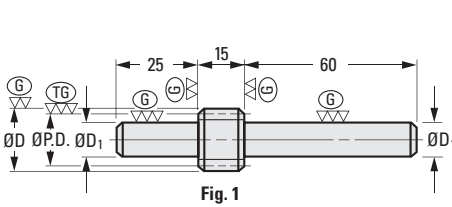


Fig. 1

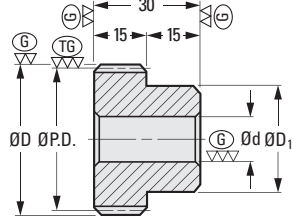


Fig. 2

METRIC COMPONENT

Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	D1 Hub Dia.
S15S15M014P1500G	1	14	21	24	-	-	12 (h7) Δ
S15S15M015P1500G	1	15	22.5	25.5	-	-	12 (h7) Δ
S15S15M016P1500G	1	16	24	27	-	-	12 (h7) Δ
S15S15M018P1500G	1	18	27	30	-	-	12 (h7) Δ
S10S15M015P1510G	2	15	22.5	25.5	10	+0.015/0	18
S10S15M016P1510G	2	16	24	27	10	+0.015/0	18
S10S15M018P1512G	2	18	27	30	12	+0.018/0	22
S10S15M020P1512G	2	20	30	33	12	+0.018/0	22
S10S15M024P1515G	2	24	36	39	15	+0.018/0	30
S10S15M025P1515G	2	25	37.5	40.5	15	+0.018/0	30
S10S15M028P1515G	2	28	42	45	15	+0.018/0	30
S10S15M030P1515G	2	30	45	48	15	+0.018/0	35
S10S15M032P1515G	2	32	48	51	15	+0.018/0	35
S10S15M036P1515G	2	36	54	57	15	+0.018/0	40
S10S15M040P1515G	2	40	60	63	15	+0.018/0	40
S10S15M045P1520G	2	45	67.5	70.5	20	+0.021/0	50
S10S15M048P1520G	2	48	72	75	20	+0.021/0	50
S10S15M050P1520G	2	50	75	78	20	+0.021/0	50
S10S15M056P1520G	2	56	84	87	20	+0.021/0	50
S10S15M060P1520G	2	60	90	93	20	+0.021/0	60
S10S15M064P1520G	2	64	96	99	20	+0.021/0	60
S10S15M070P1520G	2	70	105	108	20	+0.021/0	60
S10S15M072P1520G	2	72	108	111	20	+0.021/0	60
S10S15M075P1520G	2	75	112.5	115.5	20	+0.021/0	60
S10S15M080P1520G	2	80	120	123	20	+0.021/0	60
S10S15M090P1525G	2	90	135	138	25	+0.021/0	70
S10S15M100P1525G	2	100	150	153	25	+0.021/0	70
S10S15M112P1525G	2	112	168	171	25	+0.021/0	70
S10S15M120P1525G	2	120	180	183	25	+0.021/0	70

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ISO CLASS 5
20 mm FACE
20° PRESSURE ANGLE

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MATERIAL:

AISI 4135 Steel, Tooth Surface
Induction Hardened To HRC 50...55



Fig. 1



Fig. 2

SPECIFICATION:

Δ Shaft Tolerance: 12 & 15 mm 0/-0.018

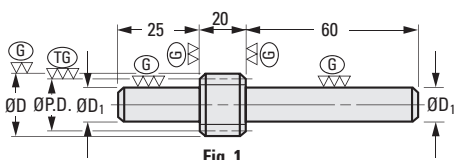


Fig. 1

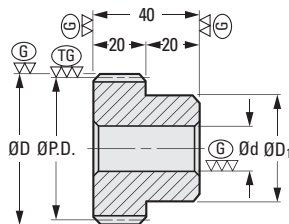


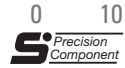
Fig. 2

METRIC COMPONENT

Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	D ₁ Hub Dia.
S15S20M014P2000G	1	14	28	32	-	-	12 (h7) Δ
S15S20M015P2000G	1	15	30	34	-	-	12 (h7) Δ
S15S20M016P2000G	1	16	32	36	-	-	15 (h7) Δ
S15S20M018P2000G	1	18	36	40	-	-	15 (h7) Δ
S10S20M014P2012G	2	14	28	32	12	+0.018/0	22
S10S20M015P2012G	2	15	30	34	12	+0.018/0	22
S10S20M016P2012G	2	16	32	36	12	+0.018/0	25
S10S20M018P2015G	2	18	36	40	15	+0.018/0	30
S10S20M020P2015G	2	20	40	44	15	+0.018/0	30
S10S20M024P2015G	2	24	48	52	15	+0.018/0	40
S10S20M025P2015G	2	25	50	54	15	+0.018/0	40
S10S20M028P2015G	2	28	56	60	15	+0.018/0	40
S10S20M030P2015G	2	30	60	64	15	+0.018/0	40
S10S20M032P2020G	2	32	64	68	20	+0.021/0	50
S10S20M036P2020G	2	36	72	76	20	+0.021/0	50
S10S20M040P2020G	2	40	80	84	20	+0.021/0	60
S10S20M045P2020G	2	45	90	94	20	+0.021/0	60
S10S20M048P2020G	2	48	96	100	20	+0.021/0	60
S10S20M050P2020G	2	50	100	104	20	+0.021/0	60
S10S20M056P2020G	2	56	112	116	20	+0.021/0	60
S10S20M060P2025G	2	60	120	124	25	+0.021/0	70
S10S20M064P2025G	2	64	128	132	25	+0.021/0	70
S10S20M070P2025G	2	70	140	144	25	+0.021/0	70
S10S20M072P2025G	2	72	144	148	25	+0.021/0	80
S10S20M075P2025G	2	75	150	154	25	+0.021/0	80
S10S20M080P2025G	2	80	160	164	25	+0.021/0	80
S10S20M090P2025G	2	90	180	184	25	+0.021/0	80
S10S20M100P2025G	2	100	200	204	30	+0.021/0	80

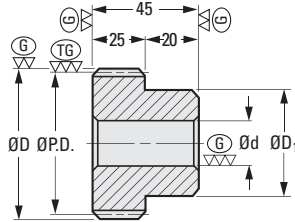
ISO CLASS 5
25 mm FACE
20° PRESSURE ANGLE

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> MATERIAL:

AISI 4135 Steel, Tooth Surface
Induction Hardened To HRC 50...55



METRIC COMPONENT

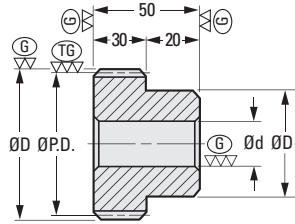
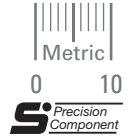
Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	D1 Hub Dia.
S10S25M014P2515G	14	35	40	15	+0.018/0	28
S10S25M015P2515G	15	37.5	42.5	15	+0.018/0	28
S10S25M016P2515G	16	40	45	15	+0.018/0	28
S10S25M018P2520G	18	45	50	20	+0.021/0	38
S10S25M020P2520G	20	50	55	20	+0.021/0	38
S10S25M024P2520G	24	60	65	20	+0.021/0	50
S10S25M025P2520G	25	62.5	67.5	20	+0.021/0	50
S10S25M028P2520G	28	70	75	20	+0.021/0	60
S10S25M030P2520G	30	75	80	20	+0.021/0	60
S10S25M032P2520G	32	80	85	20	+0.021/0	60
S10S25M036P2525G	36	90	95	25	+0.021/0	70
S10S25M040P2525G	40	100	105	25	+0.021/0	70
S10S25M045P2525G	45	112.5	117.5	25	+0.021/0	70
S10S25M048P2525G	48	120	125	25	+0.021/0	70
S10S25M050P2530G	50	125	130	30	+0.021/0	80
S10S25M056P2530G	56	140	145	30	+0.021/0	80
S10S25M060P2530G	60	150	155	30	+0.021/0	80
S10S25M064P2530G	64	160	165	30	+0.021/0	80
S10S25M072P2530G	72	180	185	30	+0.021/0	90
S10S25M075P2530G	75	187.5	192.5	30	+0.021/0	90
S10S25M080P2530G	80	200	205	30	+0.021/0	90

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ISO CLASS 5
30 mm FACE
20° PRESSURE ANGLE

MATERIAL:

AISI 4135 Steel, Tooth Surface
Induction Hardened To HRC 50...55

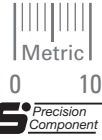


METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	D1 Hub Dia.
S10S30M014P3015G	14	42	48	15	+0.018/0	34
S10S30M015P3015G	15	45	51	15	+0.018/0	36
S10S30M016P3015G	16	48	54	15	+0.018/0	36
S10S30M018P3020G	18	54	60	20	+0.021/0	45
S10S30M020P3020G	20	60	66	20	+0.021/0	45
S10S30M024P3020G	24	72	78	20	+0.021/0	50
S10S30M025P3020G	25	75	81	20	+0.021/0	50
S10S30M028P3025G	28	84	90	25	+0.021/0	60
S10S30M030P3025G	30	90	96	25	+0.021/0	60
S10S30M032P3025G	32	96	102	25	+0.021/0	60
S10S30M036P3030G	36	108	114	30	+0.021/0	70
S10S30M040P3030G	40	120	126	30	+0.021/0	70
S10S30M045P3030G	45	135	141	30	+0.021/0	80
S10S30M048P3030G	48	144	150	30	+0.021/0	80
S10S30M050P3030G	50	150	156	30	+0.021/0	80
S10S30M056P3035G	56	168	174	35	+0.025/0	90
S10S30M060P3035G	60	180	186	35	+0.025/0	90
S10S30M064P3040G	64	192	198	40	+0.025/0	90
S10S30M072P3040G	72	216	222	40	+0.025/0	100
S10S30M075P3040G	75	225	231	40	+0.025/0	100
S10S30M080P3040G	80	240	246	40	+0.025/0	100

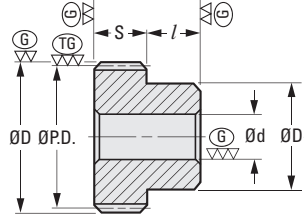
ISO CLASS 5
8 & 15 mm FACE
20° PRESSURE ANGLE

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➤ MATERIAL:

AISI 4135 Steel, Tooth Surface
Induction Hardened To HRC 50...55



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width	D1 Hub Dia.	l Hub Proj.	Rack Travel Per Rotation
Circular Pitch 2 (Mod. 0.636)									
S10CCPM20P20050G	20	12.73	14.01	5	+0.012/0	8	10	7	40
S10CCPM20P25060G	25	15.92	17.19	6	+0.012/0	8	12	7	50
S10CCPM20P30060G	30	91.1	20.37	6	+0.012/0	8	15	7	60
Circular Pitch 5 (Mod. 1.591)									
S10CCPM50P20100G	20	31.83	35.01	10	+0.015/0	15	25	10	100
S10CCPM50P25100G	25	39.79	42.97	10	+0.015/0	15	30	10	125
S10CCPM50P30100G	30	47.75	50.93	10	+0.015/0	15	40	10	150

NOTE: See index for ground circular pitch racks.

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MODULE 0.15, 0.2, 0.25, 0.3, 0.4, 0.5, 0.75 & 0.8
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

> MATERIAL:
Brass

> SPECIFICATION:
Δ Pinions are suitable for use with speed reducers.

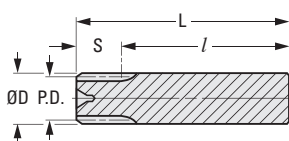


Fig. 1

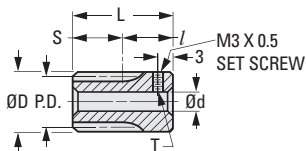


Fig. 2

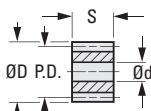


Fig. 3

METRIC COMPONENT

Catalog Number	Mod.	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore	d Tolerance	S Face Width	L	l
Δ A 1B 8MYSH1012	0.15	3	12	1.905	2.205	1	+0.012/+0.004	2.5	—	—
Δ A 1B 8MYSH1013	0.15	3	13	2.055	2.355	1	+0.012/+0.004	2.5	—	—
Δ A 1B 8MYS01515	0.15	3	15	2.295	2.595	1.5	-0.01/-0.03	1.7	—	—
Δ A 1B 8MYSH1015	0.15	3	15	2.31	2.61	1.5	+0.012/+0.004	3.2	—	—
Δ A 1B 8MYS02010	0.2	3	10	2.24	2.64	1.2	-0.02/-0.04	2	—	—
Δ A 1B 8MYS01512	0.2	3	12	2.452	2.852	1.5	-0.01/-0.0	1.7	—	—
Δ A 1B 8MYS02014	0.2	3	14	2.9	3.3	2	-0.01/-0.03	2.8	—	—
Δ A 1B 8MYS02020	0.2	3	20	4.1	4.5	2	-0.01/-0.03	2.8	—	—
Δ A 1B 8MYSH2015	0.25	3	15	3.75	4.25	2	-0.01/-0.03	2.8	—	—
Δ A 1B 8MYS03010	0.3	3	10	3.15	3.75	2	-0.02/-0.04	2	—	—
Δ A 1B 8MYS04014A	0.4	3	14	5.84	6.64	3	-0.014/-0.03	4.5	—	—
Δ A 1B 8MYS04014B	0.4	3	14	5.84	6.64	4	-0.014/-0.03	4.5	—	—
Δ A 1B 8MYK05010	0.5	1	10	5	6	—	—	10	55	45
Δ A 1B 8MYS05010	0.5	3	10	5.24	6.24	2	-0.02/-0.04	4	—	—
Δ A 1B 8MYS05012	0.5	3	12	6.2	7.2	4	-0.02/-0.04	4	—	—
A 1B 8MYK05012	0.5	1	12	6	7	—	—	10	55	45
A 1B 8MYS05012A	0.5	3	12	6.2	7.2	3	-0.02/-0.04	4	—	—
A 1B 8MYK05015	0.5	2	15	7.5	8.5*	3	+0.014/0	8	18	10
A 1B 8MYK05016	0.5	2	16	8	9	3	+0.014/0	8	18	10
A 1B 8MYK05018	0.5	2	18	9	10	3	+0.014/0	8	18	10
A 1B 8MYKH7010	0.75	1	10	7.5	9	—	—	8	55	47
A 1B 8MYKH7012	0.75	1	12	9	10.5	—	—	8	55	47
A 1B 8MYKH7015	0.75	2	15	11.25	12.75	5	+0.018/0	8	20	12
A 1B 8MYK08014	0.8	2	14	11.2	12.8	4	+0.018/0	7	20	13
A 1B 8MYK08015	0.8	2	15	12	13.6	4	+0.018/0	7	20	13

* Hub end is 9 mm O.D.

MODULE 0.25, 0.4, 0.5, 0.6, 1
20° PRESSURE ANGLE

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> MATERIAL:
Steel

> SPECIFICATION:

** Shaft Tolerance: 6 mm 0/-0.018
8 mm 0/-0.022

Δ To obtain additional tooth strength, these pinions are produced by shifting the tooth profile which results in a long addendum. The center distance between these pinions has to be increased. Therefore, please consult our Engineering Department.

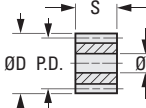


Fig. 1

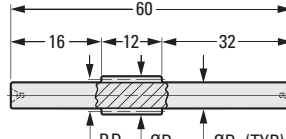


Fig. 2

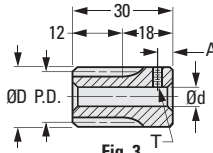


Fig. 3

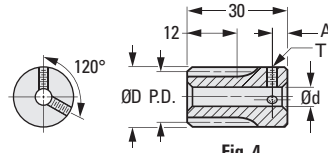


Fig. 4

The projections shown are per ISO convention.

METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore	d Tolerance	S Face Width	D ^{**} Shaft Dia. h8	A	T Set Screw
Module 0.25 Fig. 1									
A 1C 8MYSH2013	13	3.25	3.75	2	-0.01/-0.03	2.5	—	—	—
A 1C 8MYSH2013A	13	3.25	3.75	1.5	-0.01/-0.03	4	—	—	—
A 1C 8MYSH2016	16	3.9	4.4	2	-0.01/-0.03	2.5	—	—	—
A 1C 8MYSH2016A	16	3.9	4.4	1.5	-0.01/-0.03	4	—	—	—
A 1C 8MYSH2019	19	4.75	5.25	2	-0.01/-0.03	2.5	—	—	—
A 1C 8MYSH2019A	19	4.75	5.25	1.5	-0.01/-0.03	4	—	—	—
Module 0.4 Fig. 1									
A 1C 8MYS04012	12	4.88	5.68	3	-0.014/-0.03	4	—	—	—
A 1C 8MYS04014A	14	5.84	6.64	3	-0.014/-0.03	4.5	—	—	—
A 1C 8MYS04014B	14	5.84	6.64	4	-0.014/-0.03	4.5	—	—	—
Module 0.5 Fig. 1									
A 1C 8MYS05012	12	6.2	7.2	4	-0.02/-0.04	4	—	—	—
Module 0.6 Fig. 1									
*A 1C 8MYS06012	12	7.2	8.4	4	-0.015/-0.035	4	—	—	—
*A 1C 8MYS06012B	12	7.2	8.4	2	-0.010/-0.025	4	—	—	—
*A 1C 8MYS06018	18	10.7	11.9	4	-0.015/-0.035	4	—	—	—
*A 1C 8MYS06018A	18	10.7	11.9	3	-0.015/-0.035	4	—	—	—
*A 1C 8MYS06018B	18	10.7	11.9	2	-0.010/-0.025	4	—	—	—
Module 1 Fig. 2									
Δ A 1C 8MYK10008	8	8	10.64	—	—	—	6	—	—
Δ A 1C 8MYK10010	10	10	12.66	—	—	—	8	—	—
Module 1 Fig. 3									
**A 1C 8MYK10012	12	12	14	6	+0.018/0	—	—	5	M4
**A 1C 8MYK10014	14	14	16	6	+0.018/0	—	—	5	M5
**A 1C 8MYK10016	16	16	18	8	+0.022/0	—	—	5	M5
Module 1 Fig. 4									
A 1C 8MYK10012S	12	12	14	6	+0.018/0	—	—	5	M4
A 1C 8MYK10014S	14	14	16	6	+0.018/0	—	—	5	M5
A 1C 8MYK10015S	15	15	17	6	+0.018/0	—	—	5	M5
A 1C 8MYK10016S	16	16	18	8	+0.022/0	—	—	5	M5
A 1C 8MYK10018S	18	18	20	8	+0.022/0	—	—	4	M4

* To be discontinued when present stock is depleted.

** To be discontinued when present stock is depleted.

A new style with two set screws will be offered in its place - see Fig. 4.

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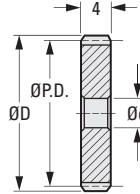
PINIONS – MODULE 0.4

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HUBLESS
4 mm FACE WIDTH
20° PRESSURE ANGLE



> MATERIAL:
Brass



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore +0.025 0
A 1B 1MY04008	8	3.2	4	1.5
A 1B 1MY04010	10	4	4.8	2
A 1B 1MY04012	12	4.8	5.6	3
A 1B 1MY04014	14	5.6	6.4	3
A 1B 1MY04016	16	6.4	7.2	3
A 1B 1MY04018	18	7.2	8	3
A 1B 1MY04024	24	9.6	10.4	3

PINION SHAFTS

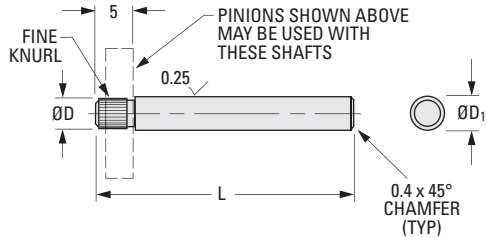
UNDERSIZED DIAMETER

> MATERIAL:
303 Stainless Steel



> STRAIGHTNESS:
0.0003 mm/mm

Discounts available for large quantity orders.



METRIC COMPONENT

Catalog Number	D Dia. +0.025 0	D ₁ Dia. -0.004 -0.012	L Length ± 0.25
A 7X 1MP0550A	1.5	5	50
A 7X 1MP0550B	2	5	50
A 7X 1MP0675	3	6	75

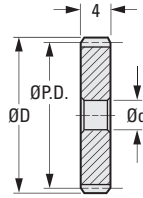
PINIONS – MODULE 0.5

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HUBLESS
4 mm FACE WIDTH
20° PRESSURE ANGLE



> **MATERIAL:**
Brass



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore +0.025 0
A 1B 1MY05006	6	3	4	1.5
A 1B 1MY05008	8	4	5	2
A 1B 1MY05010	10	5	6	2
A 1B 1MY05012	12	6	7	3
A 1B 1MY05014	14	7	8	3
A 1B 1MY05016	16	8	9	3
A 1B 1MY05018	18	9	10	3

PINION SHAFTS

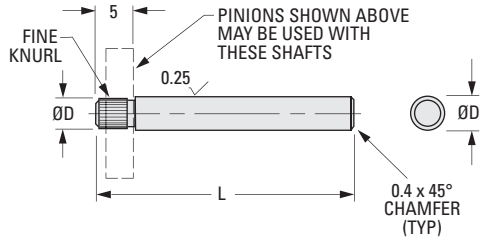
UNDERSIZED DIAMETER

> **MATERIAL:**
303 Stainless Steel



> **STRAIGHTNESS:**
0.0003 mm/mm

Discounts available for large quantity orders.



METRIC COMPONENT

Catalog Number	D Dia. +0.025 0	D ₁ Dia. -0.004 -0.012	L Length ± 0.25
A 7X 1MP0550A	1.5	5	50
A 7X 1MP0550B	2	5	50
A 7X 1MP0675	3	6	75

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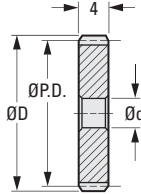
PINIONS – MODULE 0.8

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HUBLESS
4 mm FACE WIDTH
20° PRESSURE ANGLE



> MATERIAL:
Brass



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore +0.025 0
A 1B 1MY08006	6	4.8	6.4	2
A 1B 1MY08008	8	6.4	8	3
A 1B 1MY08010	10	8	9.6	3
A 1B 1MY08012	12	9.6	11.2	3
A 1B 1MY08014	14	11.2	12.8	3
A 1B 1MY08016	16	12.8	14.4	3
A 1B 1MY08018	18	14.4	16	3

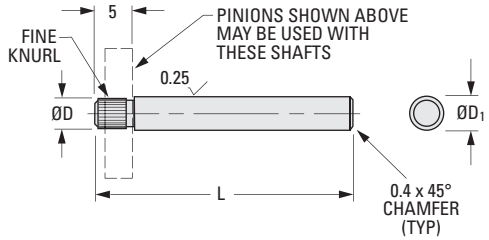
PINION SHAFTS

UNDERSIZED DIAMETER

> MATERIAL:
303 Stainless Steel



> STRAIGHTNESS:
0.0003 mm/mm



Discounts available for large quantity orders.

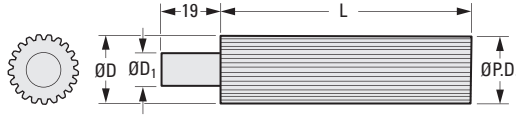
METRIC COMPONENT

Catalog Number	D Dia. +0.025 0	D ₁ Dia. -0.004 -0.012	L Length ± 0.25
A 7X 1MP0550B	2	5	50
A 7X 1MP0675	3	6	75

20° PRESSURE ANGLE

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> MATERIAL:
Steel



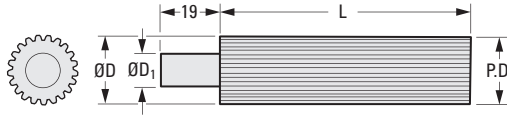
METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	D ₁ Shank Dia.	L Minimum Usable Length
Module 0.4					
A 1C29MY04025	25	10	10.8	6	80
A 1C29MY04030	30	12	12.8	6	80
A 1C29MY04032	32	12.8	13.6	6	80
A 1C29MY04035	35	14	14.8	6	80
A 1C29MY04036	36	14.4	15.2	6	80
A 1C29MY04045	45	18	18.8	6	80
A 1C29MY04048	48	19.2	20	6	80
A 1C29MY04050	50	20	20.8	6	80
A 1C29MY04060	60	24	24.8	12	80
A 1C29MY04064	64	25.6	26.4	12	150
A 1C29MY04065	65	26	26.8	12	150
A 1C29MY04070	70	28	28.8	12	150
A 1C29MY04072	72	28.8	29.6	12	150
A 1C29MY04075	75	30	30.8	12	150
A 1C29MY04080	80	32	32.8	12	150
A 1C29MY04085	85	34	34.8	12	150
A 1C29MY04090	90	36	36.8	12	150
A 1C29MY04095	95	38	38.8	12	200
A 1C29MY04096	96	38.4	39.2	12	200
A 1C29MY04100	100	40	40.8	12	200
A 1C29MY04108	108	43.2	44	12	200
A 1C29MY04120	120	48	48.8	12	200
Module 0.5					
A 1C29MY05016	16	8	9	6	80
A 1C29MY05018	18	9	10	6	80
A 1C29MY05024	24	12	13	6	80
A 1C29MY05028	28	14	15	6	80
A 1C29MY05030	30	15	16	6	80
A 1C29MY05032	32	16	17	6	80
A 1C29MY05036	36	18	19	6	80
A 1C29MY05040	40	20	21	6	80
A 1C29MY05048	48	24	25	12	80
A 1C29MY05050	50	25	26	12	150
A 1C29MY05055	55	27.5	28.5	12	150
A 1C29MY05056	56	28	29	12	150
A 1C29MY05060	60	30	31	12	150
A 1C29MY05065	65	32.5	33.5	12	150
A 1C29MY05070	70	35	36	12	150
A 1C29MY05072	72	36	37	12	150
A 1C29MY05075	75	37.5	38.5	12	200
A 1C29MY05080	80	40	41	12	200
A 1C29MY05090	90	45	46	12	200
A 1C29MY05096	96	48	49	12	200
A 1C29MY05100	100	50	51	12	200
A 1C29MY05110	110	55	56	16	200
A 1C29MY05120	120	60	61	16	200

20° PRESSURE ANGLE

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> MATERIAL:
Steel



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	D ₁ Shank Dia.	L Minimum Usable Length
Module 0.8					
* A 1C29MY08012	12	9.6	11.2	6	80
* A 1C29MY08014	14	11.2	12.8	6	80
* A 1C29MY08016	16	12.8	14.4	6	80
* A 1C29MY08018	18	14.4	16	6	80
* A 1C29MY08024	24	19.2	20.8	6	80
* A 1C29MY08030	30	24	25.6	12	80
A 1C29MY08032	32	25.6	27.2	12	150
A 1C29MY08036	36	28.8	30.4	12	150
A 1C29MY08040	40	32	33.6	12	150
A 1C29MY08045	45	36	37.6	12	150
A 1C29MY08050	50	40	41.6	12	150
A 1C29MY08060	60	48	49.6	12	200
A 1C29MY08064	64	51.2	52.8	12	200
A 1C29MY08075	75	60	61.6	16	200
A 1C29MY08080	80	64	65.6	16	200
A 1C29MY08090	90	72	73.6	16	200
Module 1					
A 1C29MY10014	14	14	16	6	80
A 1C29MY10016	16	16	18	6	80
A 1C29MY10020	20	20	22	6	80
A 1C29MY10024	24	24	26	12	80
A 1C29MY10028	28	28	30	12	150
A 1C29MY10030	30	30	32	12	150
A 1C29MY10032	32	32	34	12	150
A 1C29MY10036	36	36	38	12	150
A 1C29MY10040	40	40	42	12	200
A 1C29MY10045	45	45	47	12	200
A 1C29MY10048	48	48	50	12	200
A 1C29MY10050	50	50	52	12	200
A 1C29MY10060	60	60	62	16	200
A 1C29MY10064	64	64	66	16	200
A 1C29MY10072	72	72	74	16	200

* Minimum usable length: 75 mm to 80 mm



20° PRESSURE ANGLE

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> MATERIAL:

Brass

> SPECIFICATIONS:

Sold in 1 and 2 meter lengths.

Notes: 1. All pinion wire has unfinished ends.

2. The overall length tolerance on cut pinion wire is ± 13 mm.

Other lengths available on request - call Engineering.



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METRIC COMPONENT				
Catalog Number		No. of Teeth	P.D.	O.D.
Available Lengths				
1 Meter	2 Meters			
Module 0.4				
A 1B 9MY041012	A 1B 9MY042012	12	4.8	5.6
A 1B 9MY041014	A 1B 9MY042014	14	5.6	6.4
A 1B 9MY041016	A 1B 9MY042016	16	6.4	7.2
A 1B 9MY041018	A 1B 9MY042018	18	7.2	8
A 1B 9MY041024	A 1B 9MY042024	24	9.6	10.4
Module 0.5				
A 1B 9MY051008	A 1B 9MY052008	8	4	5
A 1B 9MY051009	A 1B 9MY052009	9	4.5	5.5
A 1B 9MY051010	A 1B 9MY052010	10	5	6
*A 1B 9MY051011	*A 1B 9MY052011	11	5.5	6.5
A 1B 9MY051012	A 1B 9MY052012	12	6	7
A 1B 9MY051014	A 1B 9MY052014	14	7	8
A 1B 9MY051016	A 1B 9MY052016	16	8	9
A 1B 9MY051018	A 1B 9MY052018	18	9	10
A 1B 9MY051024	A 1B 9MY052024	24	12	13
A 1B 9MY051028	A 1B 9MY052028	28	14	15
A 1B 9MY051030	A 1B 9MY052030	30	15	16
Module 0.8				
A 1B 9MY081006	A 1B 9MY082006	6	4.8	6.4
A 1B 9MY081008	A 1B 9MY082008	8	6.4	8
A 1B 9MY081010	A 1B 9MY082010	10	8	9.6
A 1B 9MY081016	A 1B 9MY082016	16	12.8	14.4
A 1B 9MY081018	A 1B 9MY082018	18	14.4	16

* To be discontinued when present stock is depleted.

ISO CLASS 8
5 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

> MATERIAL:
Brass, Steel or Stainless Steel

METRIC COMPONENT CATALOG NUMBER

A 1 **2MY04**

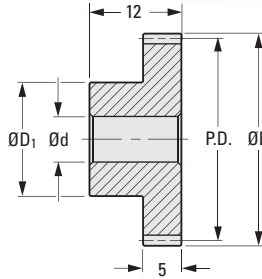
MATERIAL CODE

Brass ASTM 8A **B**

Steel SAE 1109 **C**

Stainless Steel AISI 416 **Y**
Prehardened to HRC 25

No. of Teeth Code



No. of Teeth Code	No. of Teeth	P.D.	D Dia.	d Bore Dia. H8	d Tolerance	D ₁ Hub Dia.
012	12*	4.8	5.6	3	+0.014/0	4.5
015	15*	6	6.8	3	+0.014/0	5.5
016	16	6.4	7.2	3	+0.014/0	5.5
020	20	8	8.8	3	+0.014/0	6
024	24	9.6	10.4	4	+0.018/0	8
025	25	10	10.8	4	+0.018/0	8
030	30	12	12.8	4	+0.018/0	8
032	32	12.8	13.6	4	+0.018/0	8
035	35	14	14.8	4	+0.018/0	10
036	36	14.4	15.2	4	+0.018/0	10
040	40	16	16.8	4	+0.018/0	10
045	45	18	18.8	4	+0.018/0	10
048	48	19.2	20	4	+0.018/0	10
050	50	20	20.8	4	+0.018/0	10
055	55	22	22.8	4	+0.018/0	10
060	60	24	24.8	6	+0.018/0	15
064	64	25.6	26.4	6	+0.018/0	15
065	65	26	26.8	6	+0.018/0	15
070	70	28	28.8	6	+0.018/0	15
072	72	28.8	29.6	6	+0.018/0	15
075	75	30	30.8	6	+0.018/0	15
080	80	32	32.8	6	+0.018/0	15
084	84	33.6	34.4	6	+0.018/0	15
085	85	34	34.8	6	+0.018/0	15
090	90	36	36.8	6	+0.018/0	15
095	95	38	38.8	6	+0.018/0	15
096	96	38.4	39.2	6	+0.018/0	15
100	100	40	40.8	6	+0.018/0	15
108	108	43.2	44	6	+0.018/0	15
120	120	48	48.8	6	+0.018/0	15

* Hob cuts into hub. Hub diameter never exceeds gear O.D.

ISO CLASS 7
5 & 7 mm FACE
20° PRESSURE ANGLE

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➤ **MATERIAL:**
303 Stainless Steel

➤ **SPECIFICATIONS:**
Socket Head Cap Screw Supplied.
Gears larger than 90 teeth have two-piece construction.
Fairloc® hubs require controlled shaft tolerances. Suggested tolerance according to g6, h6 or h7.

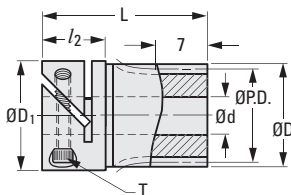


Fig. 1

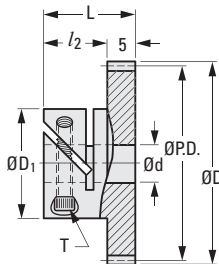


Fig. 2

METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	L	D ₁ Dia.	l ₂	T	Hub Clear. Rad.
Fig. 1										
S1VS05M016F0704	16	8	9	4	+0.012/0	22	14	8	M2.5	8.3
S1VS05M018F0704	18	9	10	4	+0.012/0	22	14	8	M2.5	8.3
S1VS05M020F0704	20	10	11	4	+0.012/0	22	14	8	M2.5	8.3
S1VS05M024F0705	24	12	13	5	+0.012/0	22	14	8	M2.5	8.3
S1VS05M025F0705	25	12.5	13.5	5	+0.012/0	22	14	8	M2.5	8.3
S1VS05M028F0705	28	14	15	5	+0.012/0	22	14	8	M2.5	8.3
S1VS05M030F0705	30	15	16	5	+0.012/0	22	14	8	M2.5	8.3
Fig. 2										
S1VS05M032F0506	32	16	17	6	+0.012/0	15	17	10	M3	11.3
S1VS05M036F0506	36	18	19	6	+0.012/0	15	17	10	M3	11.3
S1VS05M040F0506	40	20	21	6	+0.012/0	15	17	10	M3	11.3
S1VS05M045F0506	45	22.5	23.5	6	+0.012/0	15	17	10	M3	11.3
S1VS05M048F0506	48	24	25	6	+0.012/0	15	17	10	M3	11.3
S1VS05M050F0506	50	25	26	6	+0.012/0	15	17	10	M3	11.3
S1VS05M054F0506	54	27	28	6	+0.012/0	15	17	10	M3	11.3
S1VS05M056F0506	56	28	29	6	+0.012/0	15	17	10	M3	11.3
S1VS05M060F0508	60	30	31	8	+0.015/0	15	17	10	M3	11.3
S1VS05M064F0508	64	32	33	8	+0.015/0	15	17	10	M3	11.3
S1VS05M070F0508	70	35	36	8	+0.015/0	15	17	10	M3	11.3
S1VS05M072F0508	72	36	37	8	+0.015/0	15	17	10	M3	11.3
S1VS05M075F0508	75	37.5	38.5	8	+0.015/0	15	17	10	M3	11.3
S1VS05M080F0510	80	40	41	10	+0.015/0	19	24	14	M4	14
S1VS05M090F0510	90	45	46	10	+0.015/0	19	24	14	M4	14
S1VS05M096F0510	96	48	49	10	+0.015/0	19	24	14	M4	14
S1VS05M100F0510	100	50	51	10	+0.015/0	19	24	14	M4	14
S1VS05M112F0510	112	56	57	10	+0.015/0	19	24	14	M4	14
S1VS05M120F0510	120	60	61	10	+0.015/0	19	24	14	M4	14

ISO CLASS 7
 3 mm FACE
 3 mm BORE
 20° PRESSURE ANGLE

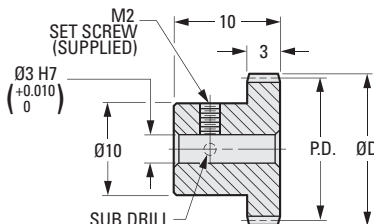
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➤ MATERIAL:

303 Stainless Steel or
 2024 Aluminum Anodized-
 T4 or T351 Aluminum Alloy,
 anodized before cutting.

Available on special order:
 Number of teeth not listed, different
 bore size and /or material, passivation
 for stainless steel.



METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.
303 Stainless Steel	2024 Aluminum Anodized			
S10T05M020S0303	S10T05M020A0303	20*	10	11
S10T05M021S0303	S10T05M021A0303	21*	10.5	11.5
S10T05M022S0303	S10T05M022A0303	22	11	12
S10T05M024S0303	S10T05M024A0303	24	12	13
S10T05M025S0303	S10T05M025A0303	25	12.5	13.5
S10T05M026S0303	S10T05M026A0303	26	13	14
S10T05M028S0303	S10T05M028A0303	28	14	15
S10T05M030S0303	S10T05M030A0303	30	15	16
S10T05M032S0303	S10T05M032A0303	32	16	17
S10T05M034S0303	S10T05M034A0303	34	17	18
S10T05M036S0303	S10T05M036A0303	36	18	19
S10T05M040S0303	S10T05M040A0303	40	20	21
S10T05M042S0303	S10T05M042A0303	42	21	22
S10T05M046S0303	S10T05M046A0303	46	23	24
S10T05M048S0303	S10T05M048A0303	48	24	25
S10T05M050S0303	S10T05M050A0303	50	25	26
S10T05M055S0303	S10T05M055A0303	55	27.5	28.5
S10T05M056S0303	S10T05M056A0303	56	28	29
S10T05M060S0303	S10T05M060A0303	60	30	31
S10T05M064S0303	S10T05M064A0303	64	32	33
S10T05M065S0303	S10T05M065A0303	65	32.5	33.5
S10T05M070S0303	S10T05M070A0303	70	35	36
S10T05M072S0303	S10T05M072A0303	72	36	37
S10T05M075S0303	S10T05M075A0303	75	37.5	38.5
S10T05M080S0303	S10T05M080A0303	80	40	41
S10T05M084S0303	S10T05M084A0303	84	42	43
S10T05M090S0303	S10T05M090A0303	90	45	46
S10T05M096S0303	S10T05M096A0303	96	48	49
S10T05M100S0303	S10T05M100A0303	100	50	51
S10T05M105S0303	S10T05M105A0303	105	52.5	53.5

* Hob cuts into hub. Hub diameter never exceeds gear O.D.

ISO CLASS 7
 3 mm FACE
 5 mm BORE
 20° PRESSURE ANGLE

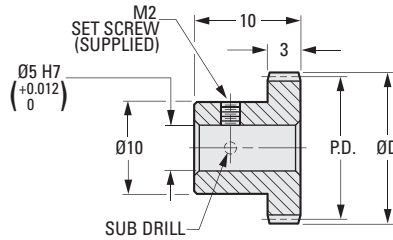
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> MATERIAL:

303 Stainless Steel or
 2024 Aluminum Anodized-
 T4 or T351 Aluminum Alloy,
 anodized before cutting.

Available on special order:
 Number of teeth not listed, different
 bore size and /or material, passivation
 for stainless steel.



METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.
303 Stainless Steel	2024 Aluminum Anodized			
S10T05M020S0305	S10T05M020A0305	20*	10	11
S10T05M021S0305	S10T05M021A0305	21*	10.5	11.5
S10T05M022S0305	S10T05M022A0305	22	11	12
S10T05M024S0305	S10T05M024A0305	24	12	13
S10T05M025S0305	S10T05M025A0305	25	12.5	13.5
S10T05M028S0305	S10T05M028A0305	28	14	15
S10T05M030S0305	S10T05M030A0305	30	15	16
S10T05M032S0305	S10T05M032A0305	32	16	17
S10T05M034S0305	S10T05M034A0305	34	17	18
S10T05M036S0305	S10T05M036A0305	36	18	19
S10T05M040S0305	S10T05M040A0305	40	20	21
S10T05M042S0305	S10T05M042A0305	42	21	22
S10T05M046S0305	S10T05M046A0305	46	23	24
S10T05M048S0305	S10T05M048A0305	48	24	25
S10T05M050S0305	S10T05M050A0305	50	25	26
S10T05M060S0305	S10T05M060A0305	60	30	31
S10T05M064S0305	S10T05M064A0305	64	32	33
S10T05M070S0305	S10T05M070A0305	70	35	36
S10T05M072S0305	S10T05M072A0305	72	36	37
S10T05M080S0305	S10T05M080A0305	80	40	41
S10T05M084S0305	S10T05M084A0305	84	42	43
S10T05M090S0305	S10T05M090A0305	90	45	46
S10T05M096S0305	S10T05M096A0305	96	48	49
S10T05M105S0305	S10T05M105A0305	105	52.5	53.5
S10T05M120S0305	S10T05M120A0305	120	60	61
S10T05M132S0305	S10T05M132A0305	132	66	67
S10T05M144S0305	S10T05M144A0305	144	72	73
S10T05M156S0305	S10T05M156A0305	156	78	79
S10T05M168S0305	S10T05M168A0305	168	84	85
S10T05M192S0305	S10T05M192A0305	192	96	97

* Hob cuts into hub. Hub diameter never exceeds gear O.D.

ISO CLASS 7
 3 mm FACE
 8 mm BORE
 20° PRESSURE ANGLE

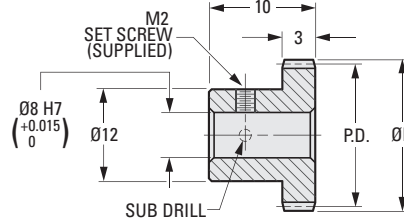
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➤ MATERIAL:

303 Stainless Steel or
 2024 Aluminum Anodized-
 T4 or T351 Aluminum Alloy,
 anodized before cutting.

Available on special order:
 Number of teeth not listed, different
 bore size and /or material, passivation
 for stainless steel.



METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.
303 Stainless Steel	2024 Aluminum Anodized			
S10T05M024S0308	S10T05M024A0308	24*	12	13
S10T05M025S0308	S10T05M025A0308	25*	12.5	13.5
S10T05M028S0308	S10T05M028A0308	28	14	15
S10T05M030S0308	S10T05M030A0308	30	15	16
S10T05M032S0308	S10T05M032A0308	32	16	17
S10T05M036S0308	S10T05M036A0308	36	18	19
S10T05M040S0308	S10T05M040A0308	40	20	21
S10T05M042S0308	S10T05M042A0308	42	21	22
S10T05M048S0308	S10T05M048A0308	48	24	25
S10T05M050S0308	S10T05M050A0308	50	25	26
S10T05M054S0308	S10T05M054A0308	54	27	28
S10T05M056S0308	S10T05M056A0308	56	28	29
S10T05M060S0308	S10T05M060A0308	60	30	31
S10T05M064S0308	S10T05M064A0308	64	32	33
S10T05M070S0308	S10T05M070A0308	70	35	36
S10T05M072S0308	S10T05M072A0308	72	36	37
S10T05M075S0308	S10T05M075A0308	75	37.5	38.5
S10T05M080S0308	S10T05M080A0308	80	40	41
S10T05M090S0308	S10T05M090A0308	90	45	46
S10T05M096S0308	S10T05M096A0308	96	48	49
S10T05M100S0308	S10T05M100A0308	100	50	51
S10T05M105S0308	S10T05M105A0308	105	52.5	53.5
S10T05M120S0308	S10T05M120A0308	120	60	61
S10T05M132S0308	S10T05M132A0308	132	66	67
S10T05M140S0308	S10T05M140A0308	140	70	71
S10T05M150S0308	S10T05M150A0308	150	75	76
S10T05M160S0308	S10T05M160A0308	160	80	81
S10T05M168S0308	S10T05M168A0308	168	84	85
S10T05M180S0308	S10T05M180A0308	180	90	91
S10T05M192S0308	S10T05M192A0308	192	96	97

* Hob cuts into hub. Hub diameter never exceeds gear O.D.

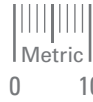
ISO CLASS 7

5 mm FACE

5 mm BORE

20° PRESSURE ANGLE

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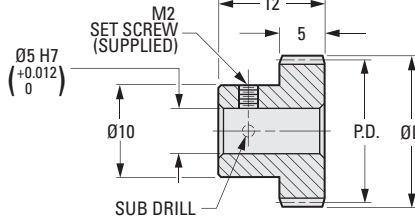


> MATERIAL:

303 Stainless Steel or
2024 Aluminum Anodized-
T4 or T351 Aluminum Alloy,
anodized before cutting.

Available on special order:

Number of teeth not listed, different
bore size and/or material, passivation
for stainless steel.



METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.
303 Stainless Steel	2024 Aluminum Anodized			
S10T05M020S0505	S10T05M020A0505	20*	10	11
S10T05M021S0505	S10T05M021A0505	21	10.5	11.5
S10T05M022S0505	S10T05M022A0505	22	11	12
S10T05M024S0505	S10T05M024A0505	24	12	13
S10T05M025S0505	S10T05M025A0505	25	12.5	13.5
S10T05M026S0505	S10T05M026A0505	26	13	14
S10T05M028S0505	S10T05M028A0505	28	14	15
S10T05M030S0505	S10T05M030A0505	30	15	16
S10T05M032S0505	S10T05M032A0505	32	16	17
S10T05M036S0505	S10T05M036A0505	36	18	19
S10T05M040S0505	S10T05M040A0505	40	20	21
S10T05M044S0505	S10T05M044A0505	44	22	23
S10T05M048S0505	S10T05M048A0505	48	24	25
S10T05M050S0505	S10T05M050A0505	50	25	26
S10T05M055S0505	S10T05M055A0505	55	27.5	28.5
S10T05M060S0505	S10T05M060A0505	60	30	31
S10T05M064S0505	S10T05M064A0505	64	32	33
S10T05M065S0505	S10T05M065A0505	65	32.5	33.5
S10T05M072S0505	S10T05M072A0505	72	36	37
S10T05M084S0505	S10T05M084A0505	84	42	43
S10T05M085S0505	S10T05M085A0505	85	42.5	43.5
S10T05M090S0505	S10T05M090A0505	90	45	46
S10T05M096S0505	S10T05M096A0505	96	48	49
S10T05M100S0505	S10T05M100A0505	100	50	51
S10T05M108S0505	S10T05M108A0505	108	54	55
S10T05M120S0505	S10T05M120A0505	120	60	61
S10T05M144S0505	S10T05M144A0505	144	72	73
S10T05M156S0505	S10T05M156A0505	156	78	79
S10T05M180S0505	S10T05M180A0505	180	90	91
S10T05M192S0505	S10T05M192A0505	192	96	97

*Hob cuts into hub. Hub diameter never exceeds gear O.D.



ISO CLASS 7
5 mm FACE
8 mm BORE
20° PRESSURE ANGLE

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S Precision Component

> MATERIAL:

303 Stainless Steel or
2024 Aluminum Anodized
T4 or T351 Aluminum Alloy,
anodized before cutting.



Available on special order:
Number of teeth not listed,
different bore size and/or material,
passivation for Stainless Steel.

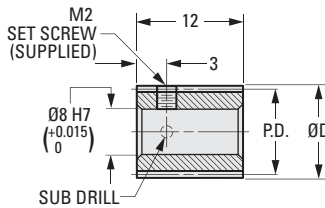


Fig. 1

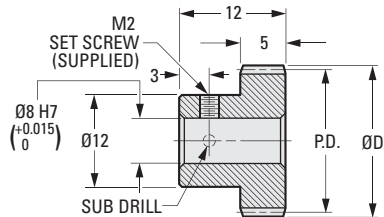


Fig. 2

METRIC COMPONENT		No. of Teeth	P.D.	D Dia.
Catalog Number				
303 Stainless Steel	2024 Aluminum Anodized			
Fig. 1				
S10T05M020S0508	S10T05M020A0508	20	10	11
S10T05M021S0508	S10T05M021A0508	21	10.5	11.5
S10T05M022S0508	S10T05M022A0508	22	11	12
Fig. 2				
S10T05M024S0508	S10T05M024A0508	24	12	13
S10T05M025S0508	S10T05M025A0508	25	12.5	13.5
S10T05M026S0508	S10T05M026A0508	26	13	14
S10T05M028S0508	S10T05M028A0508	28	14	15
S10T05M030S0508	S10T05M030A0508	30	15	16
S10T05M032S0508	S10T05M032A0508	32	16	17
S10T05M036S0508	S10T05M036A0508	36	18	19
S10T05M042S0508	S10T05M042A0508	42	21	22
S10T05M048S0508	S10T05M048A0508	48	24	25
S10T05M050S0508	S10T05M050A0508	50	25	26
S10T05M055S0508	S10T05M055A0508	55	27.5	28.5
S10T05M060S0508	S10T05M060A0508	60	30	31
S10T05M064S0508	S10T05M064A0508	64	32	33
S10T05M070S0508	S10T05M070A0508	70	35	36
S10T05M072S0508	S10T05M072A0508	72	36	37
S10T05M075S0508	S10T05M075A0508	75	37.5	38.5
S10T05M080S0508	S10T05M080A0508	80	40	41
S10T05M084S0508	S10T05M084A0508	84	42	43
S10T05M090S0508	S10T05M090A0508	90	45	46
S10T05M096S0508	S10T05M096A0508	96	48	49
S10T05M100S0508	S10T05M100A0508	100	50	51
S10T05M108S0508	S10T05M108A0508	108	54	55
S10T05M110S0508	S10T05M110A0508	110	55	56
S10T05M120S0508	S10T05M120A0508	120	60	61
S10T05M128S0508	S10T05M128A0508	128	64	65
S10T05M168S0508	S10T05M168A0508	168	84	85
S10T05M198S0508	S10T05M198A0508	198	99	100

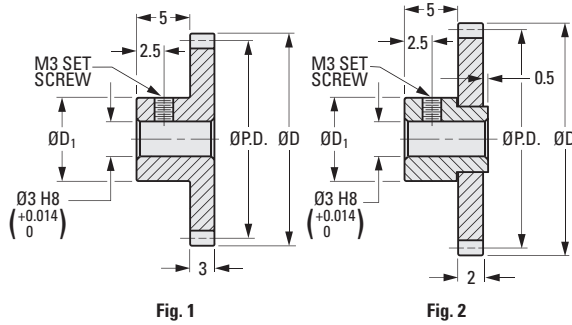
ISO CLASS 8
2 & 3 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

> **MATERIAL:**
Brass



METRIC COMPONENT

Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	D ₁ Hub Dia.
A 1B 2MYK05020H	1	20	10	11	8.5
A 1B 2MYK05024H	1	24	12	13	10
A 1B 2MYK05025	1	25	12.5	13.5	10
A 1B 2MYK05026	1	26	13	14	10
A 1B 2MYK05028	1	28	14	15	10
A 1B 2MYK05030H	1	30	15	16	10
A 1B 2MYK05032	1	32	16	17	10
A 1B 2MYK05035	1	35	17.5	18.5	10
A 1B 2MYK05036	1	36	18	19	10
A 1B 2MYK05040	2	40	20	21	10
A 1B 2MYK05042	2	42	21	22	10
A 1B 2MYK05045	2	45	22.5	23.5	10
A 1B 2MYK05048	2	48	24	25	10
A 1B 2MYK05050	2	50	25	26	10
A 1B 2MYK05055	2	55	27.5	28.5	10
A 1B 2MYK05056	2	56	28	29	10
A 1B 2MYK05058	2	58	29	30	10

NOTE: See also "Pinions - Module 0.15 to 0.8"

Continued on the next page

ISO CLASS 8
2 mm FACE WIDTH
20° PRESSURE ANGLE

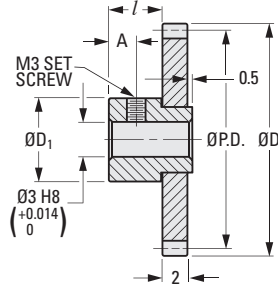
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QUALITY CLASS



➤ **MATERIAL:**
Brass



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	D ₁ Hub Dia.	/ Hub Proj.	A
A 1B 2MYK05060	60	30	31	10	5	2.5
A 1B 2MYK05062	62	31	32	10	5	2.5
A 1B 2MYK05064	64	32	33	10	5	2.5
A 1B 2MYK05065	65	32.5	33.5	10	5	2.5
A 1B 2MYK05066	66	33	34	10	5	2.5
A 1B 2MYK05068	68	34	35	10	5	2.5
A 1B 2MYK05070	70	35	36	10	5	2.5
A 1B 2MYK05072	72	36	37	10	5	2.5
A 1B 2MYK05075	75	37.5	38.5	10	5	2.5
A 1B 2MYK05080	80	40	41	10	5	2.5
A 1B 2MYK05084	84	42	43	10	5	2.5
A 1B 2MYK05085	85	42.5	43.5	10	5	2.5
A 1B 2MYK05090	90	45	46	10	5	2.5
A 1B 2MYK05095	95	47.5	48.5	10	5	2.5
A 1B 2MYK05100	100	50	51	15	7	3.5
A 1B 2MYK05105	105	52.5	53.5	15	7	3.5
A 1B 2MYK05110	110	55	56	15	7	3.5

NOTE: See also "Pinions - Module 0.15 to 0.8"

Continued from the previous page

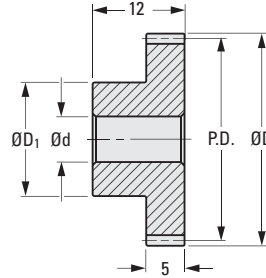
ISO CLASS 8
5 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

> MATERIAL:
Brass, Steel or Stainless Steel



METRIC COMPONENT CATALOG NUMBER

A 1 **2MY05**

MATERIAL CODE

Brass F.M. 360 **B**

Carbon Steel **C**

Stainless Steel AISI 416 **Y**
Prehardened to HRC 25

No. of Teeth Code

No. of Teeth Code	No. of Teeth	P.D.	D Dia.	d Bore H8	d Tolerance	D ₁ Hub Dia.
012	12	6	7	3	+0.014/0	5
015	15	7.5	8.5	3	+0.014/0	6
016	16	8	9	3	+0.014/0	6
020	20	10	11	4	+0.018/0	8
024	24	12	13	4	+0.018/0	8
025	25	12.5	13.5	4	+0.018/0	8
028	28	14	15	4	+0.018/0	8
030	30	15	16	4	+0.018/0	10
032	32	16	17	4	+0.018/0	10
035	35	17.5	18.5	4	+0.018/0	10
036	36	18	19	4	+0.018/0	10
040	40	20	21	4	+0.018/0	10
048	48	24	25	6	+0.018/0	15
050	50	25	26	6	+0.018/0	15
055	55	27.5	28.5	6	+0.018/0	15
060	60	30	31	6	+0.018/0	15
064	64	32	33	6	+0.018/0	15
065	65	32.5	33.5	6	+0.018/0	15
072	72	36	37	6	+0.018/0	15
075	75	37.5	38.5	6	+0.018/0	15
080	80	40	41	6	+0.018/0	15
090	90	45	46	6	+0.018/0	15
096	96	48	49	6	+0.018/0	15
100	100	50	51	6	+0.018/0	15
120	120	60	61	6	+0.018/0	15

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ISO CLASS 8
8 & 10 mm FACE WIDTHS
20° PRESSURE ANGLE

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> MATERIAL:
Carbon Steel or 300 Series Stainless Steel

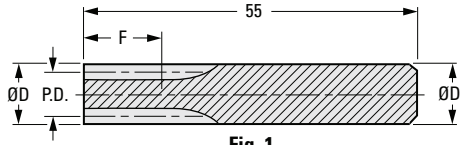
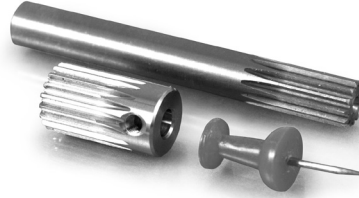


Fig. 1

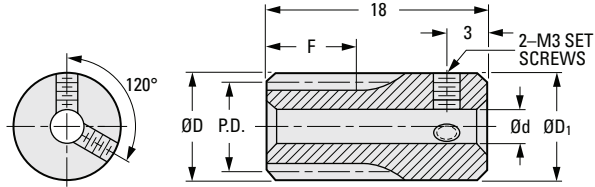


Fig. 2

METRIC COMPONENT

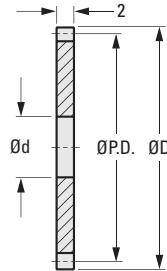
Catalog Number	No. of Teeth	Fig. No.	P.D.	D Dia.	d Bore H8	D ₁ Hub Dia.	F Face Width
Carbon Steel							
A 1C 2MYK050010	10	1	5	6	—	6	10
A 1C 2MYK050012	12		6	7	—	7	
A 1C 2MYK050014	14	2	7	8	3	8	8
A 1C 2MYK050015	15		7.5	8.5		8.5	
A 1C 2MYK050016	16		8	9	9		
A 1C 2MYK050018	18		9	10	10		
A 1C 2MYK050020	20	10	11	4	11		
Stainless Steel							
A 1X 2MYK050010	10	1	5	6	—	6	10
A 1X 2MYK050012	12		6	7	—	7	
A 1X 2MYK050014	14	2	7	8	4	8	8
A 1X 2MYK050015	15		7.5	8.5		8.5	
A 1X 2MYK050016	16		8	9	9		
A 1X 2MYK050018	18		9	10	10		
A 1X 2MYK050020	20	10	11	11			



2 mm FACE
20° PRESSURE ANGLE

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> MATERIAL:
Brass



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H8	d Tolerance
A 1B 1MYK05040	40	20	21	8	+0.022/0
A 1B 1MYK05042	42	21	22	8	+0.022/0
A 1B 1MYK05045	45	22.5	23.5	8	+0.022/0
A 1B 1MYK05048	48	24	25	8	+0.022/0
A 1B 1MYK05050	50	25	26	8	+0.022/0
A 1B 1MYK05055	55	27.5	28.5	8	+0.022/0
A 1B 1MYK05056	56	28	29	8	+0.022/0
A 1B 1MYK05058	58	29	30	8	+0.022/0
A 1B 1MYK05060	60	30	31	8	+0.022/0
A 1B 1MYK05062	62	31	32	8	+0.022/0
A 1B 1MYK05064	64	32	33	8	+0.022/0
A 1B 1MYK05065	65	32.5	33.5	8	+0.022/0
A 1B 1MYK05068	68	34	35	8	+0.022/0
A 1B 1MYK05070	70	35	36	8	+0.022/0
A 1B 1MYK05072	72	36	37	8	+0.022/0
A 1B 1MYK05075	75	37.5	38.5	8	+0.022/0
A 1B 1MYK05080	80	40	41	8	+0.022/0
A 1B 1MYK05084	84	42	43	8	+0.022/0
A 1B 1MYK05085	85	42.5	43.5	8	+0.022/0
A 1B 1MYK05090	90	45	46	8	+0.022/0
A 1B 1MYK05095	95	47.5	48.5	8	+0.022/0
A 1B 1MYK05100	100	50	51	12	+0.027/0
A 1B 1MYK05105	105	52.5	53.5	12	+0.027/0
A 1B 1MYK05110	110	55	56	12	+0.027/0

NOTE: See also "Pinions - Module 0.5"

ISO CLASS 7
 3 mm FACE
 10 mm BORE
 20° PRESSURE ANGLE

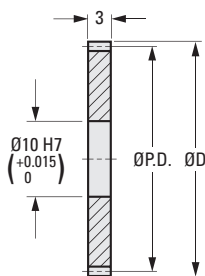
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› MATERIAL:

303 Stainless Steel or
 2024 Aluminum Anodized-
 T4 or T351 Aluminum Alloy,
 anodized before cutting.

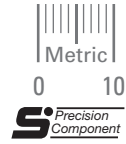
Available as special order:
 Number of teeth not listed, different
 bore size and /or material,
 passivation for stainless steel.



METRIC COMPONENT		No. of Teeth	P.D.	D Dia.
Catalog Number				
303 Stainless Steel	2024 Aluminum Anodized			
S12N05M030S0310	S12N05M030A0310	30	15	16
S12N05M032S0310	S12N05M032A0310	32	16	17
S12N05M036S0310	S12N05M036A0310	36	18	19
S12N05M040S0310	S12N05M040A0310	40	20	21
S12N05M042S0310	S12N05M042A0310	42	21	22
S12N05M045S0310	S12N05M045A0310	45	22.5	23.5
S12N05M048S0310	S12N05M048A0310	48	24	25
S12N05M050S0310	S12N05M050A0310	50	25	26
S12N05M056S0310	S12N05M056A0310	56	28	29
S12N05M060S0310	S12N05M060A0310	60	30	31
S12N05M064S0310	S12N05M064A0310	64	32	33
S12N05M070S0310	S12N05M070A0310	70	35	36
S12N05M072S0310	S12N05M072A0310	72	36	37
S12N05M080S0310	S12N05M080A0310	80	40	41
S12N05M084S0310	S12N05M084A0310	84	42	43
S12N05M090S0310	S12N05M090A0310	90	45	46
S12N05M096S0310	S12N05M096A0310	96	48	49
S12N05M100S0310	S12N05M100A0310	100	50	51
S12N05M108S0310	S12N05M108A0310	108	54	55
S12N05M110S0310	S12N05M110A0310	110	55	56
S12N05M120S0310	S12N05M120A0310	120	60	61
S12N05M130S0310	S12N05M130A0310	130	65	66
S12N05M132S0310	S12N05M132A0310	132	66	67
S12N05M138S0310	S12N05M138A0310	138	69	70
S12N05M140S0310	S12N05M140A0310	140	70	71
S12N05M150S0310	S12N05M150A0310	150	75	76
S12N05M160S0310	S12N05M160A0310	160	80	81
S12N05M180S0310	S12N05M180A0310	180	90	91
S12N05M186S0310	S12N05M186A0310	186	93	94
S12N05M192S0310	S12N05M192A0310	192	96	97

ISO CLASS 7
3.2 mm FACE
10 mm BORE
20° PRESSURE ANGLE

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> MATERIAL:

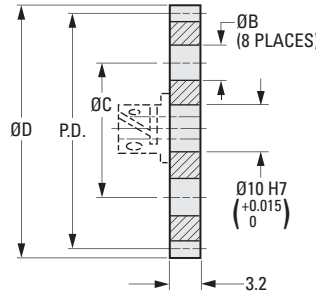
303 Stainless Steel or
2024 Aluminum Anodized-
T4 or T351 Aluminum Alloy,
Anodized before cutting.

> SPECIFICATIONS:

All gears over 54 mm diameter supplied
with lightening holes.
See index for hubs. Assembled upon
request at nominal charge.



Available on special order:
14-1/2° P.A., teeth not listed, different
bore size and/or material,
passivation for stainless steel.



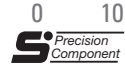
METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.	B Dia.	C Dia.
303 Stainless Steel	2024 Aluminum Anodized					
S12S05M030N0310	S12A05M030N0310	30	15	16	—	—
S12S05M032N0310	S12A05M032N0310	32	16	17	—	—
S12S05M048N0310	S12A05M048N0310	48	24	25	—	—
S12S05M054N0310	S12A05M054N0310	54	27	28	—	—
S12S05M060N0310	S12A05M060N0310	60	30	31	—	—
S12S05M065N0310	S12A05M065N0310	65	32.5	33.5	—	—
S12S05M070N0310	S12A05M070N0310	70	35	36	—	—
S12S05M080N0310	S12A05M080N0310	80	40	41	—	—
S12S05M096N0310	S12A05M096N0310	96	48	49	—	—
S12S05M100N0310	S12A05M100N0310	100	50	51	—	—
S12S05M105N0310	S12A05M105N0310	105	52.5	53.5	—	—
S12S05M120N0310	S12A05M120N0310	120	60	61	9.5	34.9
S12S05M130N0310	S12A05M130N0310	130	65	66	9.5	34.9
S12S05M150N0310	S12A05M150N0310	150	75	76	9.5	44.5
S12S05M180N0310	S12A05M180N0310	180	90	91	12.7	50.8
S12S05M192N0310	S12A05M192N0310	192	96	97	12.7	57.2
S12S05M198N0310	S12A05M198N0310	198	99	100	12.7	57.2



ISO CLASS 7
5 mm FACE
10 mm BORE
20° PRESSURE ANGLE

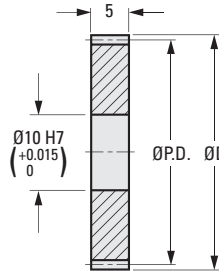
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► MATERIAL:

303 Stainless Steel or
2024 Aluminum Anodized-
T4 or T351 Aluminum Alloy,
anodized before cutting.

Available as special order:
Number of teeth not listed, different
bore size and /or material,
passivation for stainless steel.



METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.
303 Stainless Steel	2024 Aluminum Anodized			
S12N05M030S0510	S12N05M030A0510	30	15	16
S12N05M032S0510	S12N05M032A0510	32	16	17
S12N05M036S0510	S12N05M036A0510	36	18	19
S12N05M040S0510	S12N05M040A0510	40	20	21
S12N05M042S0510	S12N05M042A0510	42	21	22
S12N05M045S0510	S12N05M045A0510	45	22.5	23.5
S12N05M048S0510	S12N05M048A0510	48	24	25
S12N05M050S0510	S12N05M050A0510	50	25	26
S12N05M056S0510	S12N05M056A0510	56	28	29
S12N05M060S0510	S12N05M060A0510	60	30	31
S12N05M064S0510	S12N05M064A0510	64	32	33
S12N05M070S0510	S12N05M070A0510	70	35	36
S12N05M072S0510	S12N05M072A0510	72	36	37
S12N05M080S0510	S12N05M080A0510	80	40	41
S12N05M084S0510	S12N05M084A0510	84	42	43
S12N05M090S0510	S12N05M090A0510	90	45	46
S12N05M096S0510	S12N05M096A0510	96	48	49
S12N05M100S0510	S12N05M100A0510	100	50	51
S12N05M108S0510	S12N05M108A0510	108	54	55
S12N05M110S0510	S12N05M110A0510	110	55	56
S12N05M120S0510	S12N05M120A0510	120	60	61
S12N05M130S0510	S12N05M130A0510	130	65	66
S12N05M132S0510	S12N05M132A0510	132	66	67
S12N05M138S0510	S12N05M138A0510	138	69	70
S12N05M140S0510	S12N05M140A0510	140	70	71
S12N05M150S0510	S12N05M150A0510	150	75	76
S12N05M160S0510	S12N05M160A0510	160	80	81
S12N05M180S0510	S12N05M180A0510	180	90	91
S12N05M186S0510	S12N05M186A0510	186	93	94
S12N05M192S0510	S12N05M192A0510	192	96	97

ISO CLASS 8
3 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

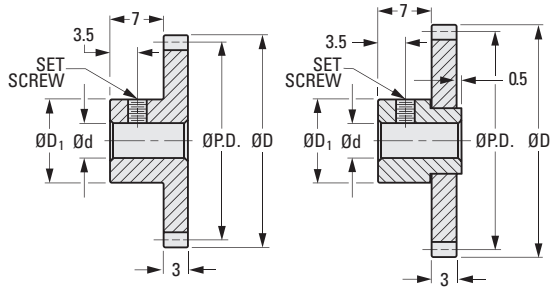


Fig. 1

Fig. 2

METRIC COMPONENT

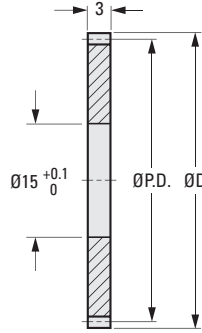
Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore H8 (+0.018 0)	D ₁ Hub Dia.	Set Screw
A 1B 2MYKH7016	1	16	12	13.5	5	10	M3
A 1B 2MYKH7018	1	18	13.5	15	5	11	M3
A 1B 2MYKH7020	1	20	15	16.5	6	12	M4
A 1B 2MYKH7024	1	24	18	19.5	6	14	M4
A 1B 2MYKH7025	1	25	18.8	20.3	6	14	M4
A 1B 2MYKH7026	1	26	19.5	21	6	14	M4
A 1B 2MYKH7028	1	28	21	22.5	6	14	M4
A 1B 2MYKH7030	1	30	22.5	24	6	15	M4
A 1B 2MYKH7032	1	32	24	25.5	6	15	M4
A 1B 2MYKH7035	1	35	26.3	27.8	6	18	M4
A 1B 2MYKH7036	1	36	27	28.5	6	18	M4
A 1B 2MYKH7040	1	40	30	31.5	6	20	M4
A 1B 2MYKH7042	1	42	31.5	33	6	20	M4
A 1B 2MYKH7045	1	45	33.8	35.3	6	20	M4
A 1B 2MYKH7048	1	48	36	37.5	6	20	M4
A 1B 2MYKH7050	2	50	37.5	39	6	20	M4
A 1B 2MYKH7056	2	56	42	43.5	6	20	M4
A 1B 2MYKH7060	2	60	45	46.5	6	20	M4
A 1B 2MYKH7064	2	64	48	49.5	6	20	M4
A 1B 2MYKH7065	2	65	48.8	50.3	6	20	M4
A 1B 2MYKH7066	2	66	49.5	51	6	20	M4
A 1B 2MYKH7070	2	70	52.5	54	6	20	M4
A 1B 2MYKH7072	2	72	54	55.5	6	20	M4
A 1B 2MYKH7075	2	75	56.3	57.8	6	20	M4
A 1B 2MYKH7080	2	80	60	61.5	6	20	M4
A 1B 2MYKH7090	2	90	67.5	69	6	20	M4
A 1B 2MYKH7100	2	100	75	76.5	6	20	M4
A 1B 2MYKH7120	2	120	90	91.5	6	20	M4

NOTE: See also "Pinions - Module 0.15 to 0.8"

3 mm FACE
20° PRESSURE ANGLE

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► MATERIAL:
Brass



METRIC COMPONENT

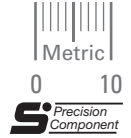
Catalog Number	No. of Teeth	P.D.	D Dia.
A 1B 1MYKH7050	50	37.5	39
A 1B 1MYKH7056	56	42	43.5
A 1B 1MYKH7060	60	45	46.5
A 1B 1MYKH7064	64	48	49.5
A 1B 1MYKH7065	65	48.8	50.3
A 1B 1MYKH7066	66	49.5	51
A 1B 1MYKH7070	70	52.5	54
A 1B 1MYKH7072	72	54	55.5
A 1B 1MYKH7075	75	56.3	57.8
A 1B 1MYKH7080	80	60	61.5
A 1B 1MYKH7090	90	67.5	69
A 1B 1MYKH7100	100	75	76.5
A 1B 1MYKH7120	120	90	91.5

NOTE: See also "Pinions - Module 0.75"

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ISO CLASS 7
5 & 7 mm FACE
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM



➤ **MATERIAL:**
303 Stainless Steel

➤ **SPECIFICATIONS:**
Socket Head Cap Screw Supplied.
Gears larger than 60 teeth have two-piece construction.
Fairloc® hubs require controlled shaft tolerances. Suggested tolerance according to g6, h6 or h7.

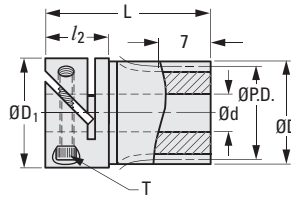


Fig. 1

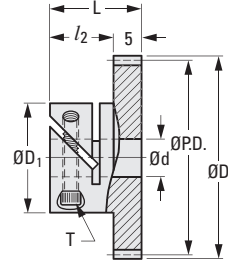


Fig. 2

METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	L	D ₁ Dia.	l ₂	T	Hub Clear. Rad.
Fig. 1										
S1VS08M014F0704	14	11.2	12.8	4	+0.012/0	22	14	8	M2.5	8.3
S1VS08M015F0704	15	12	13.6	4	+0.012/0	22	14	8	M2.5	8.3
S1VS08M016F0704	16	12.8	14.4	4	+0.012/0	22	14	8	M2.5	8.3
S1VS08M018F0704	18	14.4	16	4	+0.012/0	22	14	8	M2.5	8.3
Fig. 2										
S1VS08M020F0504	20	16	17.6	4	+0.012/0	13	14	8	M2.5	8.3
S1VS08M022F0504	22	17.6	19.2	4	+0.012/0	13	14	8	M2.5	8.3
S1VS08M024F0505	24	19.2	20.8	5	+0.012/0	13	14	8	M2.5	8.3
S1VS08M025F0505	25	20	21.6	5	+0.012/0	13	14	8	M2.5	8.3
S1VS08M028F0505	28	22.4	24	5	+0.012/0	13	14	8	M2.5	8.3
S1VS08M030F0505	30	24	25.6	5	+0.012/0	13	14	8	M2.5	8.3
S1VS08M032F0505	32	25.6	27.2	5	+0.012/0	13	14	8	M2.5	8.3
S1VS08M036F0506	36	28.8	30.4	6	+0.012/0	15	17	10	M3	11.3
S1VS08M040F0506	40	32	33.6	6	+0.012/0	15	17	10	M3	11.3
S1VS08M045F0506	45	36	37.6	6	+0.012/0	15	17	10	M3	11.3
S1VS08M048F0506	48	38.4	40	6	+0.012/0	15	17	10	M3	11.3
S1VS08M050F0506	50	40	41.6	6	+0.012/0	15	17	10	M3	11.3
S1VS08M054F0506	54	43.2	44.8	6	+0.012/0	15	17	10	M3	11.3
S1VS08M056F0506	56	44.8	46.4	6	+0.012/0	15	17	10	M3	11.3
S1VS08M060F0508	60	48	49.6	8	+0.015/0	15	17	10	M3	11.3
S1VS08M064F0508	64	51.2	52.8	8	+0.015/0	15	17	10	M3	11.3
S1VS08M072F0508	72	57.6	59.2	8	+0.015/0	15	17	10	M3	11.3
S1VS08M080F0510	80	64	65.6	10	+0.015/0	19	24	14	M4	14
S1VS08M090F0510	90	72	73.6	10	+0.015/0	19	24	14	M4	14
S1VS08M100F0510	100	80	81.6	10	+0.015/0	19	24	14	M4	14

ISO CLASS 7
5 mm FACE
5 mm BORE
20° PRESSURE ANGLE

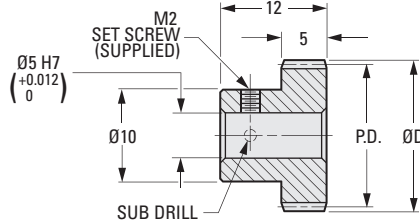
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MATERIAL:

303 Stainless Steel or
2024 Aluminum Anodized-
T4 or T351 Aluminum Alloy,
anodized before cutting.

Available on special order:
Number of teeth not listed, different
bore size and /or material, passivation
for stainless steel.



METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.
303 Stainless Steel	2024 Aluminum Anodized			
S10T08M012S0505	S10T08M012A0505	12*	9.6	11.2
S10T08M015S0505	S10T08M015A0505	15	12	13.6
S10T08M016S0505	S10T08M016A0505	16	12.8	14.4
S10T08M017S0505	S10T08M017A0505	17	13.6	15.2
S10T08M018S0505	S10T08M018A0505	18	14.4	16
S10T08M020S0505	S10T08M020A0505	20	16	17.6
S10T08M022S0505	S10T08M022A0505	22	17.6	19.2
S10T08M024S0505	S10T08M024A0505	24	19.2	20.8
S10T08M026S0505	S10T08M026A0505	26	20.8	22.4
S10T08M028S0505	S10T08M028A0505	28	22.4	24
S10T08M030S0505	S10T08M030A0505	30	24	25.6
S10T08M032S0505	S10T08M032A0505	32	25.6	27.2
S10T08M036S0505	S10T08M036A0505	36	28.8	30.4
S10T08M040S0505	S10T08M040A0505	40	32	33.6
S10T08M048S0505	S10T08M048A0505	48	38.4	40
S10T08M052S0505	S10T08M052A0505	52	41.6	43.2
S10T08M056S0505	S10T08M056A0505	56	44.8	46.4
S10T08M060S0505	S10T08M060A0505	60	48	49.6
S10T08M064S0505	S10T08M064A0505	64	51.2	52.8
S10T08M068S0505	S10T08M068A0505	68	54.4	56
S10T08M072S0505	S10T08M072A0505	72	57.6	59.2
S10T08M080S0505	S10T08M080A0505	80	64	65.6
S10T08M084S0505	S10T08M084A0505	84	67.2	68.8
S10T08M092S0505	S10T08M092A0505	92	73.6	75.2
S10T08M096S0505	S10T08M096A0505	96	76.8	78.4
S10T08M100S0505	S10T08M100A0505	100	80	81.6
S10T08M108S0505	S10T08M108A0505	108	86.4	88
S10T08M112S0505	S10T08M112A0505	112	89.6	91.2
S10T08M116S0505	S10T08M116A0505	116	92.8	94.4
S10T08M120S0505	S10T08M120A0505	120	96	97.6

* Hob cuts into hub. Hub diameter never exceeds gear O.D.

ISO CLASS 7
 5 mm FACE
 8 mm BORE
 20° PRESSURE ANGLE

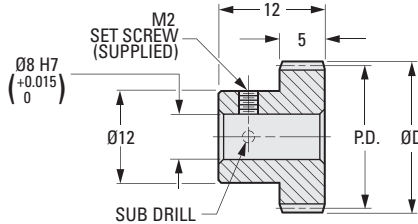
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> MATERIAL:

303 Stainless Steel or
 2024 Aluminum Anodized-
 T4 or T351 Aluminum Alloy,
 anodized before cutting.

Available on special order:
 Number of teeth not listed, different
 bore size and /or material, passivation
 for stainless steel.



METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.
303 Stainless Steel	2024 Aluminum Anodized			
S10T08M014S0508	S10T08M014A0508	14*	11.2	12.8
S10T08M015S0508	S10T08M015A0508	15*	12	13.6
S10T08M016S0508	S10T08M016A0508	16	12.8	14.4
S10T08M018S0508	S10T08M018A0508	18	14.4	16
S10T08M020S0508	S10T08M020A0508	20	16	17.6
S10T08M024S0508	S10T08M024A0508	24	19.2	20.8
S10T08M026S0508	S10T08M026A0508	26	20.8	22.4
S10T08M028S0508	S10T08M028A0508	28	22.4	24
S10T08M030S0508	S10T08M030A0508	30	24	25.6
S10T08M032S0508	S10T08M032A0508	32	25.6	27.2
S10T08M036S0508	S10T08M036A0508	36	28.8	30.4
S10T08M040S0508	S10T08M040A0508	40	32	33.6
S10T08M048S0508	S10T08M048A0508	48	38.4	40
S10T08M052S0508	S10T08M052A0508	52	41.6	43.2
S10T08M056S0508	S10T08M056A0508	56	44.8	46.4
S10T08M060S0508	S10T08M060A0508	60	48	49.6
S10T08M064S0508	S10T08M064A0508	64	51.2	52.8
S10T08M065S0508	S10T08M065A0508	65	52	53.6
S10T08M072S0508	S10T08M072A0508	72	57.6	59.2
S10T08M075S0508	S10T08M075A0508	75	60	61.6
S10T08M080S0508	S10T08M080A0508	80	64	65.6
S10T08M085S0508	S10T08M085A0508	85	68	69.6
S10T08M088S0508	S10T08M088A0508	88	70.4	72
S10T08M092S0508	S10T08M092A0508	92	73.6	75.2
S10T08M096S0508	S10T08M096A0508	96	76.8	78.4
S10T08M100S0508	S10T08M100A0508	100	80	81.6
S10T08M108S0508	S10T08M108A0508	108	86.4	88
S10T08M112S0508	S10T08M112A0508	112	89.6	91.2
S10T08M120S0508	S10T08M120A0508	120	96	97.6
S10T08M128S0508	S10T08M128A0508	128	102.4	104

* Hob cuts into hub. Hub diameter never exceeds gear O.D.

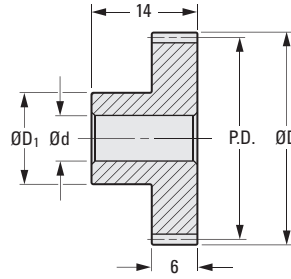
ISO CLASS 8
6 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

> MATERIAL:
Brass, Steel or Stainless Steel



METRIC COMPONENT CATALOG NUMBER

A 1 **2MY08**

MATERIAL CODE

Brass F.M. 360 **B**

Carbon Steel **C**

Stainless Steel AISI 416 **Y**
Prehardened to HRC 25

No. of Teeth Code

No. of Teeth Code	No. of Teeth	P.D.	D Dia.	d Bore Dia. H8	d Tolerance	D ₁ Hub Dia.
010	10*	8	9.6	4	+0.018/0	9.6
015	15	12	13.6	4	+0.018/0	10
016	16	12.8	14.4	4	+0.018/0	10
020	20	16	17.6	6	+0.018/0	12
024	24	19.2	20.8	6	+0.018/0	12
025	25	20	21.6	6	+0.018/0	12
030	30	24	25.6	6	+0.018/0	12
032	32	25.6	27.2	6	+0.018/0	12
035	35	28	29.6	8	+0.022/0	19
040	40	32	33.6	8	+0.022/0	19
045	45	36	37.6	8	+0.022/0	19
050	50	40	41.6	8	+0.022/0	19
055	55	44	45.6	8	+0.022/0	19
060	60	48	49.6	10	+0.022/0	22
064	64	51.2	52.8	10	+0.022/0	22
065	65	52	53.6	10	+0.022/0	22
070	70	56	57.6	10	+0.022/0	22
075	75	60	61.6	10	+0.022/0	22
080	80	64	65.6	10	+0.022/0	22
090	90	72	73.6	10	+0.022/0	22
095	95	76	77.6	10	+0.022/0	22
096	96	76.8	78.4	10	+0.022/0	22
100	100	80	81.6	10	+0.022/0	26
120	120	96	97.6	10	+0.022/0	26

* Hob cuts into hub. Hub diameter never exceeds gear O.D.

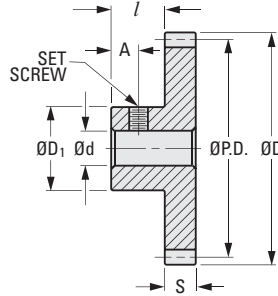


ISO CLASS 8
5 & 7 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS



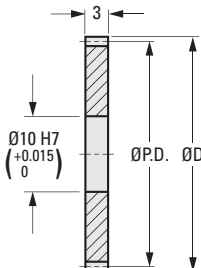
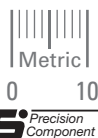
METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H8	d Tol.	S Face Width	D ₁ Hub Dia.	I Hub Proj.	A	Set Screw
A 1B 2MYK08016	16	12.8	14.4	4	+0.018/0	7	10	7	3	M3
A 1B 2MYK08018	18	14.4	16	4	+0.018/0	7	10	7	3	M3
A 1B 2MYK08020	20	16	17.6	4	+0.018/0	7	10	7	3	M3
A 1B 2MYK08024	24	19.2	20.8	5	+0.018/0	7	12.5	7	3	M3
A 1B 2MYK08025	25	20	21.6	5	+0.018/0	7	12.5	7	3	M3
A 1B 2MYK08028	28	22.4	24	5	+0.018/0	7	12.5	7	3	M3
A 1B 2MYK08030	30	24	25.6	5	+0.018/0	7	12.5	7	3	M3
A 1B 2MYK08032	32	25.6	27.2	5	+0.018/0	5	12.5	9	3	M3
A 1B 2MYK08036	36	28.8	30.4	6	+0.022/0	5	14	9	4	M4
A 1B 2MYK08040	40	32	33.6	6	+0.022/0	5	14	9	4	M4
A 1B 2MYK08045	45	36	37.6	6	+0.022/0	5	14	9	4	M4
A 1B 2MYK08048	48	38.4	40	6	+0.022/0	5	14	9	4	M4
A 1B 2MYK08050	50	40	41.6	6	+0.022/0	5	14	9	4	M4
A 1B 2MYK08056	56	44.8	46.4	6	+0.022/0	5	14	9	4	M4
A 1B 2MYK08060	60	48	49.6	6	+0.022/0	5	14	9	4	M4
A 1B 2MYK08064	64	51.2	52.8	6	+0.022/0	5	16	9	4	M4
A 1B 2MYK08070	70	56	57.6	8	+0.022/0	5	16	9	4	M4
A 1B 2MYK08072	72	57.6	59.2	8	+0.022/0	5	16	9	4	M4
A 1B 2MYK08080	80	64	65.6	8	+0.022/0	5	16	9	4	M4
A 1B 2MYK08090	90	72	73.6	8	+0.022/0	5	20	9	4	M4
A 1B 2MYK08100	100	80	81.6	8	+0.022/0	5	24	9	4	M4
A 1B 2MYK08108	108	86.4	88	8	+0.022/0	5	30	9	4	M4
A 1B 2MYK08112	112	89.6	91.2	8	+0.022/0	5	30	9	4	M4
A 1B 2MYK08120	120	96	97.6	8	+0.022/0	5	30	9	4	M4

NOTE: See also "Pinions - Module 0.15 to 0.8"

ISO CLASS 7
3 mm FACE
10 mm BORE
20° PRESSURE ANGLE

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> MATERIAL:

303 Stainless Steel or
2024 Aluminum Anodized-
T4 or T351 Aluminum Alloy,
anodized before cutting.

Available as special order:
Number of teeth not listed,
different bore size and /or material,
passivation for stainless steel.

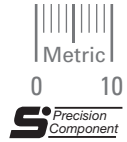
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METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.
303 Stainless Steel	2024 Aluminum Anodized			
S12N08M020S0310	S12N08M020A0310	20	16	17.6
S12N08M024S0310	S12N08M024A0310	24	19.2	20.8
S12N08M025S0310	S12N08M025A0310	25	20	21.6
S12N08M028S0310	S12N08M028A0310	28	22.4	24
S12N08M032S0310	S12N08M032A0310	32	25.6	27.2
S12N08M036S0310	S12N08M036A0310	36	28.8	30.4
S12N08M040S0310	S12N08M040A0310	40	32	33.6
S12N08M048S0310	S12N08M048A0310	48	38.4	40
S12N08M050S0310	S12N08M050A0310	50	40	41.6
S12N08M054S0310	S12N08M054A0310	54	43.2	44.8
S12N08M056S0310	S12N08M056A0310	56	44.8	46.4
S12N08M060S0310	S12N08M060A0310	60	48	49.6
S12N08M064S0310	S12N08M064A0310	64	51.2	52.8
S12N08M065S0310	S12N08M065A0310	65	52	53.6
S12N08M070S0310	S12N08M070A0310	70	56	57.6
S12N08M072S0310	S12N08M072A0310	72	57.6	59.2
S12N08M075S0310	S12N08M075A0310	75	60	61.6
S12N08M080S0310	S12N08M080A0310	80	64	65.6
S12N08M084S0310	S12N08M084A0310	84	67.2	68.8
S12N08M085S0310	S12N08M085A0310	85	68	69.6
S12N08M090S0310	S12N08M090A0310	90	72	73.6
S12N08M096S0310	S12N08M096A0310	96	76.8	78.4
S12N08M100S0310	S12N08M100A0310	100	80	81.6
S12N08M108S0310	S12N08M108A0310	108	86.4	88
S12N08M110S0310	S12N08M110A0310	110	88	89.6
S12N08M115S0310	S12N08M115A0310	115	92	93.6
S12N08M120S0310	S12N08M120A0310	120	96	97.6
S12N08M126S0310	S12N08M126A0310	126	100.8	102.4
S12N08M128S0310	S12N08M128A0310	128	102.4	104
S12N08M132S0310	S12N08M132A0310	132	105.6	107.2

ISO CLASS 7
 3.2 mm FACE
 10 mm BORE
 20° PRESSURE ANGLE

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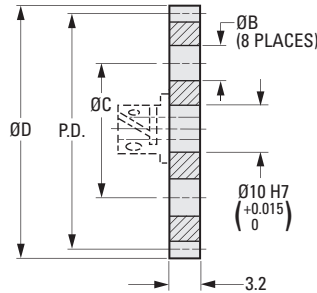
➤ **MATERIAL:**

303 Stainless Steel or
 2024 Aluminum Anodized-
 T4 or T351 Aluminum Alloy,
 anodized before cutting.

➤ **SPECIFICATIONS:**

All gears over 54 mm diameter supplied
 with lightening holes.
 See index for hubs. Assembled upon
 request at nominal charge.

Available on special order:
 14-1/2° P.A., teeth not listed, different
 bore size and/or material,
 passivation for Stainless Steel.



METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.	B Dia.	C Dia.
303 Stainless Steel	2024 Aluminum Anodized					
S12S08M020N0310	S12A08M020N0310	20	16	17.6	—	—
S12S08M024N0310	S12A08M024N0310	24	19.2	20.8	—	—
S12S08M028N0310	S12A08M028N0310	28	22.4	24	—	—
S12S08M032N0310	S12A08M032N0310	32	25.6	27.2	—	—
S12S08M042N0310	S12A08M042N0310	42	33.6	35.2	—	—
S12S08M048N0310	S12A08M048N0310	48	38.4	40	—	—
S12S08M056N0310	S12A08M056N0310	56	44.8	46.4	—	—
S12S08M064N0310	S12A08M064N0310	64	51.2	52.8	—	—
S12S08M066N0310	S12A08M066N0310	66	52.8	54.4	9.5	34.9
S12S08M070N0310	S12A08M070N0310	70	56	57.6	9.5	34.9
S12S08M072N0310	S12A08M072N0310	72	57.6	59.2	9.5	34.9
S12S08M080N0310	S12A08M080N0310	80	64	65.6	9.5	34.9
S12S08M096N0310	S12A08M096N0310	96	76.8	78.4	9.5	44.5
S12S08M120N0310	S12A08M120N0310	120	96	97.6	12.7	57.2
S12S08M128N0310	S12A08M128N0310	128	102.4	104	12.7	57.2



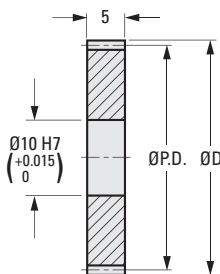
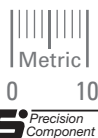
ISO CLASS 7
5 mm FACE
10 mm BORE
20° PRESSURE ANGLE

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› MATERIAL:

303 Stainless Steel or
2024 Aluminum Anodized-
T4 or T351 Aluminum Alloy,
anodized before cutting.

Available as special order:
Number of teeth not listed, different
bore size and /or material,
passivation for stainless steel.

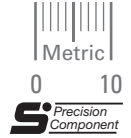


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METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.
303 Stainless Steel	2024 Aluminum Anodized			
S12N08M020S0510	S12N08M020A0510	20	16	17.6
S12N08M024S0510	S12N08M024A0510	24	19.2	20.8
S12N08M025S0510	S12N08M025A0510	25	20	21.6
S12N08M028S0510	S12N08M028A0510	28	22.4	24
S12N08M032S0510	S12N08M032A0510	32	25.6	27.2
S12N08M036S0510	S12N08M036A0510	36	28.8	30.4
S12N08M040S0510	S12N08M040A0510	40	32	33.6
S12N08M048S0510	S12N08M048A0510	48	38.4	40
S12N08M050S0510	S12N08M050A0510	50	40	41.6
S12N08M054S0510	S12N08M054A0510	54	43.2	44.8
S12N08M056S0510	S12N08M056A0510	56	44.8	46.4
S12N08M060S0510	S12N08M060A0510	60	48	49.6
S12N08M064S0510	S12N08M064A0510	64	51.2	52.8
S12N08M065S0510	S12N08M065A0510	65	52	53.6
S12N08M070S0510	S12N08M070A0510	70	56	57.6
S12N08M072S0510	S12N08M072A0510	72	57.6	59.2
S12N08M075S0510	S12N08M075A0510	75	60	61.6
S12N08M080S0510	S12N08M080A0510	80	64	65.6
S12N08M084S0510	S12N08M084A0510	84	67.2	68.8
S12N08M085S0510	S12N08M085A0510	85	68	69.6
S12N08M090S0510	S12N08M090A0510	90	72	73.6
S12N08M096S0510	S12N08M096A0510	96	76.8	78.4
S12N08M100S0510	S12N08M100A0510	100	80	81.6
S12N08M108S0510	S12N08M108A0510	108	86.4	88
S12N08M110S0510	S12N08M110A0510	110	88	89.6
S12N08M115S0510	S12N08M115A0510	115	92	93.6
S12N08M120S0510	S12N08M120A0510	120	96	97.6
S12N08M126S0510	S12N08M126A0510	126	100.8	102.4
S12N08M128S0510	S12N08M128A0510	128	102.4	104
S12N08M132S0510	S12N08M132A0510	132	105.6	107.2

ISO CLASS 7
6 & 8 mm FACE
20° PRESSURE ANGLE



➤ **MATERIAL:**
303 Stainless Steel

➤ **SPECIFICATIONS:**
Socket Head Cap Screw Supplied.
Gears larger than 45 teeth have two-piece construction.
Fairloc® hubs require controlled shaft tolerances. Suggested tolerance according to g6, h6 or h7.

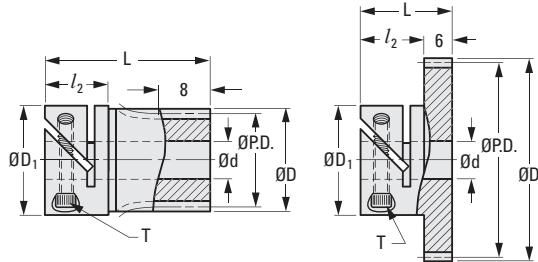


Fig. 1

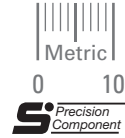
Fig. 2

METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	L	D ₁ Dia.	l ₂	T	Hub Clear. Rad.
Fig. 1										
S1VS10M014F0806	14	14	16	6	+0.012/0	25	17	10	M3	11.3
S1VS10M015F0806	15	15	17	6	+0.012/0	25	17	10	M3	11.3
S1VS10M016F0806	16	16	18	6	+0.012/0	25	17	10	M3	11.3
S1VS10M018F0806	18	18	20	6	+0.012/0	25	17	10	M3	11.3
Fig. 2										
S1VS10M020F0606	20	20	22	6	+0.012/0	16	17	10	M3	11.3
S1VS10M024F0606	24	24	26	6	+0.012/0	16	17	10	M3	11.3
S1VS10M025F0606	25	25	27	6	+0.012/0	16	17	10	M3	11.3
S1VS10M028F0606	28	28	30	6	+0.012/0	16	17	10	M3	11.3
S1VS10M030F0608	30	30	32	8	+0.015/0	16	17	10	M3	11.3
S1VS10M032F0608	32	32	34	8	+0.015/0	16	17	10	M3	11.3
S1VS10M035F0608	35	35	37	8	+0.015/0	16	17	10	M3	11.3
S1VS10M036F0608	36	36	38	8	+0.015/0	16	17	10	M3	11.3
S1VS10M040F0608	40	40	42	8	+0.015/0	16	17	10	M3	11.3
S1VS10M045F0608	45	45	47	8	+0.015/0	16	17	10	M3	11.3
S1VS10M048F0608	48	48	50	8	+0.015/0	16	17	10	M3	11.3
S1VS10M050F0610	50	50	52	10	+0.015/0	20	24	14	M4	14
S1VS10M056F0610	56	56	58	10	+0.015/0	20	24	14	M4	14
S1VS10M060F0610	60	60	62	10	+0.015/0	20	24	14	M4	14
S1VS10M064F0610	64	64	66	10	+0.015/0	20	24	14	M4	14
S1VS10M070F0610	70	70	72	10	+0.015/0	20	24	14	M4	14
S1VS10M072F0610	72	72	74	10	+0.015/0	20	24	14	M4	14
S1VS10M080F0610	80	80	82	10	+0.015/0	20	24	14	M4	14
S1VS10M090F0610	90	90	92	10	+0.015/0	20	24	14	M4	14
S1VS10M100F0610	100	100	102	10	+0.015/0	20	24	14	M4	14

ISO CLASS 7
 5 mm FACE
 5 mm BORE
 20° PRESSURE ANGLE

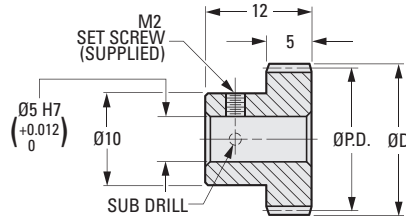
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> MATERIAL:

303 Stainless Steel or
 2024 Aluminum Anodized-
 T4 or T351 Aluminum Alloy,
 anodized before cutting.

Available as special order:
 Number of teeth not listed, different
 bore size and /or material,
 passivation for stainless steel.

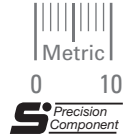


METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.
303 Stainless Steel	2024 Aluminum Anodized			
S10T10M015S0505	S10T10M015A0505	15	15	17
S10T10M016S0505	S10T10M016A0505	16	16	18
S10T10M018S0505	S10T10M018A0505	18	18	20
S10T10M020S0505	S10T10M020A0505	20	20	22
S10T10M022S0505	S10T10M022A0505	22	22	24
S10T10M024S0505	S10T10M024A0505	24	24	26
S10T10M030S0505	S10T10M030A0505	30	30	32
S10T10M036S0505	S10T10M036A0505	36	36	38
S10T10M042S0505	S10T10M042A0505	42	42	44
S10T10M048S0505	S10T10M048A0505	48	48	50
S10T10M054S0505	S10T10M054A0505	54	54	56
S10T10M060S0505	S10T10M060A0505	60	60	62
S10T10M072S0505	S10T10M072A0505	72	72	74
S10T10M084S0505	S10T10M084A0505	84	84	86
S10T10M096S0505	S10T10M096A0505	96	96	98

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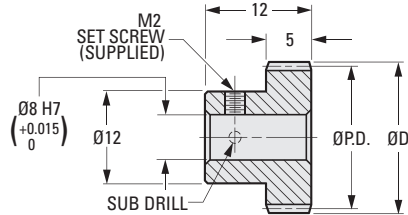
ISO CLASS 7
5 mm FACE
8 mm BORE
20° PRESSURE ANGLE



MATERIAL:

303 Stainless Steel or
2024 Aluminum Anodized-
T4 or T351 Aluminum Alloy,
anodized before cutting.

Available as special order:
Number of teeth not listed, different
bore size and /or material,
passivation for stainless steel.



Catalog Number		No. of Teeth	P.D.	D Dia.
303 Stainless Steel	2024 Aluminum Anodized			
S10T10M012S0508	S10T10M012A0508	12	12	14
S10T10M015S0508	S10T10M015A0508	15	15	17
S10T10M016S0508	S10T10M016A0508	16	16	18
S10T10M018S0508	S10T10M018A0508	18	18	20
S10T10M020S0508	S10T10M020A0508	20	20	22
S10T10M021S0508	S10T10M021A0508	21	21	23
S10T10M022S0508	S10T10M022A0508	22	22	24
S10T10M024S0508	S10T10M024A0508	24	24	26
S10T10M027S0508	S10T10M027A0508	27	27	29
S10T10M030S0508	S10T10M030A0508	30	30	32
S10T10M033S0508	S10T10M033A0508	33	33	35
S10T10M036S0508	S10T10M036A0508	36	36	38
S10T10M042S0508	S10T10M042A0508	42	42	44
S10T10M045S0508	S10T10M045A0508	45	45	47
S10T10M048S0508	S10T10M048A0508	48	48	50
S10T10M051S0508	S10T10M051A0508	51	51	53
S10T10M054S0508	S10T10M054A0508	54	54	56
S10T10M057S0508	S10T10M057A0508	57	57	59
S10T10M060S0508	S10T10M060A0508	60	60	62
S10T10M063S0508	S10T10M063A0508	63	63	65
S10T10M066S0508	S10T10M066A0508	66	66	68
S10T10M069S0508	S10T10M069A0508	69	69	71
S10T10M072S0508	S10T10M072A0508	72	72	74
S10T10M075S0508	S10T10M075A0508	75	75	77
S10T10M078S0508	S10T10M078A0508	78	78	80
S10T10M081S0508	S10T10M081A0508	81	81	83
S10T10M084S0508	S10T10M084A0508	84	84	86
S10T10M087S0508	S10T10M087A0508	87	87	89
S10T10M090S0508	S10T10M090A0508	90	90	92
S10T10M096S0508	S10T10M096A0508	96	96	98

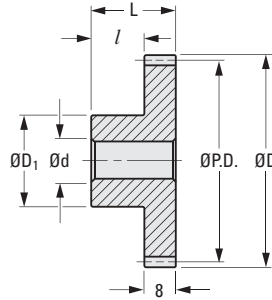
ISO CLASS 8
8 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

> MATERIAL:
Brass, Steel or Stainless Steel



METRIC COMPONENT CATALOG NUMBER

A 1 2MY10

MATERIAL CODE

Brass ASTM 8A **B**

Steel SAE 1109 **C**

Stainless Steel AISI 416 **Y**
Prehardened to HRC 25

No. of Teeth Code

No. of Teeth Code	No. of Teeth	P.D.	D Dia.	d Bore H8	d Tolerance	L Length	D ₁ Hub Dia.	l Hub Proj.
015	15	15	17	8	+0.022/0	22	12	14
020	20	20	22	8	+0.022/0	22	16	14
025	25	25	27	8	+0.022/0	22	21	14
030	30	30	32	10	+0.022/0	22	25	14
035	35	35	37	10	+0.022/0	22	25	14
040	40	40	42	10	+0.022/0	22	25	14
045	45	45	47	10	+0.022/0	22	25	14
050	50	50	52	10	+0.022/0	22	25	14
055	55	55	57	10	+0.022/0	22	25	14
060	60	60	62	10	+0.022/0	22	25	14
063	63	63	65	10	+0.022/0	22	25	14
065	65	65	67	10	+0.022/0	22	25	14
070	70	70	72	10	+0.022/0	22	25	14
075	75	75	77	10	+0.022/0	22	25	14
080	80	80	82	10	+0.022/0	22	25	14
085	85	85	87	10	+0.022/0	22	25	14
090	90	90	92	12	+0.027/0	24	32	16
095	95	95	97	12	+0.027/0	24	32	16
100	100	100	102	12	+0.027/0	24	32	16
120	120	120	122	12	+0.027/0	24	32	16

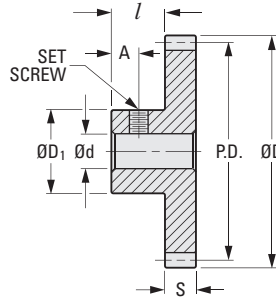
ISO CLASS 8
6 & 8 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

> **MATERIAL:**
Steel



METRIC COMPONENT

Catalog Number *	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tol.	S Face Width	D ₁ Hub Dia.	l Hub Proj.	A	Set Screw
A 1C 2MYK10018	18	18	20	6	+0.012/0	8	14	8	4	M4
A 1C 2MYK10020H	20	20	22	6	+0.012/0	8	16	8	4	M4
A 1C 2MYK10020A	20	20	22	8	+0.015/0	8	16	8	4	M4
A 1C 2MYK10024	24	24	26	8	+0.015/0	8	16	8	4	M4
A 1C 2MYK10028	28	28	30	8	+0.015/0	8	16	8	4	M4
A 1C 2MYK10030	30	30	32	8	+0.015/0	8	16	8	4	M4
A 1C 2MYK10040	40	40	42	10	+0.015/0	6	20	10	5	M5
A 1C 2MYK10048	48	48	50	10	+0.015/0	6	20	10	5	M5
A 1C 2MYK10050	50	50	52	10	+0.015/0	6	20	10	5	M5
A 1C 2MYK10064	64	64	66	10	+0.015/0	6	20	10	5	M5
A 1C 2MYK10072	72	72	74	10	+0.015/0	6	20	10	5	M5
A 1C 2MYK10080H	80	80	82	10	+0.015/0	6	20	10	5	M5

* To be discontinued when present stock is depleted.
A new style with two set screws will be offered in its place - see following page.

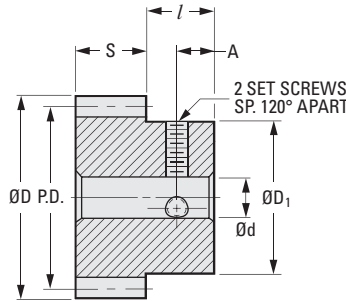
ISO CLASS 8
6 & 8 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

➤ **MATERIAL:**
Steel



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tol.	S Face Width	D ₁ Hub Dia.	I Hub Proj.	A	Set Screw
A 1C 2MYK10018S	18	18	20	6	+0.012/0	8	14	8	4	M4
A 1C 2MYK10020HS	20	20	22	6	+0.012/0	8	16	8	4	M4
A 1C 2MYK10020AS	20	20	22	8	+0.015/0	8	16	8	4	M4
A 1C 2MYK10024S	24	24	26	8	+0.015/0	8	16	8	4	M4
A 1C 2MYK10025S	25	25	27	8	+0.015/0	8	16	8	4	M4
A 1C 2MYK10028S	28	28	30	8	+0.015/0	8	20	8	4	M4
A 1C 2MYK10030S	30	30	32	8	+0.015/0	8	24	8	4	M4
A 1C 2MYK10032HS	32	32	34	8	+0.015/0	6	24	10	4	M4
A 1C 2MYK10035HS	35	35	37	8	+0.015/0	6	24	10	4	M4
A 1C 2MYK10036HS	36	36	38	8	+0.015/0	6	24	10	4	M4
A 1C 2MYK10040S	40	40	42	10	+0.015/0	6	24	10	5	M5
A 1C 2MYK10045S	45	45	47	10	+0.015/0	6	24	10	5	M5
A 1C 2MYK10048S	48	48	50	10	+0.015/0	6	24	10	5	M5
A 1C 2MYK10050S	50	50	52	10	+0.015/0	6	24	10	5	M5
A 1C 2MYK10056S	56	56	58	10	+0.015/0	6	24	10	5	M5
A 1C 2MYK10060HS	60	60	62	10	+0.015/0	6	30	10	5	M5
A 1C 2MYK10064S	64	64	66	10	+0.015/0	6	30	10	5	M5
A 1C 2MYK10072S	72	72	74	10	+0.015/0	6	30	10	5	M5
A 1C 2MYK10080HS	80	80	82	10	+0.015/0	6	30	10	5	M5
A 1C 2MYK10100HS	100	100	102	10	+0.015/0	6	30	10	5	M5
A 1C 2MYK10120HS	120	120	122	10	+0.015/0	6	30	10	5	M5

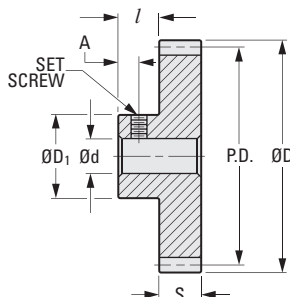
ISO CLASS 8
10 & 12 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

➤ MATERIAL:
Steel



METRIC COMPONENT

Catalog Number *	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tol.	S Face Width	D ₁ Hub Dia.	l Hub Proj.	A	Set Screw
A 1C 2MYKW10018	18	18	20	8	+0.015/0	10	15	10	5	M5
A 1C 2MYKX10020	20	20	22	8	+0.015/0	12	16	8	4	M4
A 1C 2MYKW10020	20	20	22	8	+0.015/0	10	16	10	5	M5
A 1C 2MYKX10024	24	24	26	8	+0.015/0	12	16	8	4	M4
A 1C 2MYKW10024	24	24	26	8	+0.015/0	10	20	10	5	M5
A 1C 2MYKX10025	25	25	27	8	+0.015/0	12	16	8	4	M4
A 1C 2MYKW10025	25	25	27	8	+0.015/0	10	20	10	5	M5
A 1C 2MYKX10028H	28	28	30	10	+0.015/0	12	20	8	4	M4
A 1C 2MYKW10028H	28	28	30	10	+0.015/0	10	24	10	5	M5
A 1C 2MYKX10030H	30	30	32	10	+0.015/0	12	20	8	4	M5
A 1C 2MYKW10030	30	30	32	10	+0.015/0	10	25	10	5	M5
A 1C 2MYKX10035H	35	35	37	10	+0.015/0	10	20	10	5	M5
A 1C 2MYKW10036H	36	36	38	10	+0.015/0	10	20	10	5	M5
A 1C 2MYKX10040H	40	40	42	10	+0.015/0	10	20	10	5	M5
A 1C 2MYKW10048H	48	48	50	10	+0.015/0	10	20	10	5	M5
A 1C 2MYKX10050H	50	50	52	10	+0.015/0	10	20	10	5	M5
A 1C 2MYKW10064	64	64	66	10	+0.015/0	10	20	10	5	M5
A 1C 2MYKX10072	72	72	74	10	+0.015/0	10	20	10	5	M5
A 1C 2MYKW10080H	80	80	82	10	+0.015/0	10	20	10	5	M5
A 1C 2MYKW10120H	120	120	122	12	+0.018/0	10	24	10	5	M5

NOTE: See also "Pinions - Module 1"

* To be discontinued when present stock is depleted.

A new style with two set screws will be offered in its place - see following page.

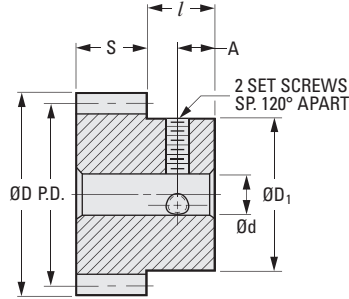
ISO CLASS 8
10 & 12 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

➤ **MATERIAL:**
Steel



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tol.	S Face Width	D ₁ Hub Dia.	l Hub Proj.	A	Set Screw
A 1C 2MYKW10018S	18	18	20	8	+0.015/0	10	15	10	5	M5
A 1C 2MYKX10020S	20	20	22	8	+0.015/0	12	16	8	4	M4
A 1C 2MYKW10020S	20	20	22	8	+0.015/0	10	16	10	5	M5
A 1C 2MYKX10024S	24	24	26	8	+0.015/0	12	20	8	4	M4
A 1C 2MYKW10024S	24	24	26	8	+0.015/0	10	20	10	5	M5
A 1C 2MYKX10025S	25	25	27	8	+0.015/0	12	20	8	4	M4
A 1C 2MYKW10025S	25	25	27	8	+0.015/0	10	20	10	5	M5
A 1C 2MYKX10028S	28	28	30	10	+0.015/0	12	24	8	4	M5
A 1C 2MYKW10028S	28	28	30	10	+0.015/0	10	24	10	5	M5
A 1C 2MYKX10030S	30	30	32	10	+0.015/0	12	24	8	4	M5
A 1C 2MYKW10030S	30	30	32	10	+0.015/0	10	25	10	5	M5
A 1C 2MYKW10032S	32	32	34	10	+0.015/0	10	24	10	5	M5
A 1C 2MYKW10035S	35	35	37	10	+0.015/0	10	30	10	5	M5
A 1C 2MYKW10036S	36	36	38	10	+0.015/0	10	30	10	5	M5
A 1C 2MYKW10040S	40	40	42	10	+0.015/0	10	30	10	5	M5
A 1C 2MYKW10045S	45	45	47	10	+0.015/0	10	30	10	5	M5
A 1C 2MYKW10048S	48	48	50	10	+0.015/0	10	30	10	5	M5
A 1C 2MYKW10050S	50	50	52	10	+0.015/0	10	30	10	5	M5
A 1C 2MYKW10056S	56	56	58	10	+0.015/0	10	30	10	5	M5
A 1C 2MYKW10060S	60	60	62	10	+0.015/0	10	30	10	5	M5
A 1C 2MYKW10064S	64	64	66	10	+0.015/0	10	30	10	5	M5
A 1C 2MYKW10072S	72	72	74	10	+0.015/0	10	30	10	5	M5
A 1C 2MYKW10080S	80	80	82	10	+0.015/0	10	32	10	5	M5
A 1C 2MYKW10100S	100	100	102	12	+0.018/0	10	36	10	5	M5
A 1C 2MYKW10120S	120	120	122	12	+0.018/0	10	36	10	5	M5

NOTE: See also "Pinions - Module 1"

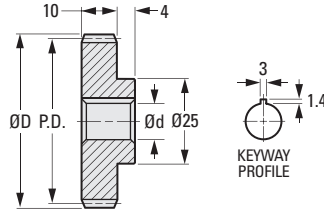
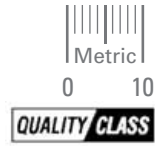


ISO CLASS 8
 10 mm FACE WIDTH
 20° PRESSURE ANGLE

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> **MATERIAL:**
 Steel

> **SPECIFICATIONS:**
 With Keyway



METRIC COMPONENT

Catalog Number *	No. of Teeth	P.D.	D Dia.	d Bore H7 (+0.018 0)
A 1C22MYKW10050	50	50	52	14

* To be discontinued when present stock is depleted.

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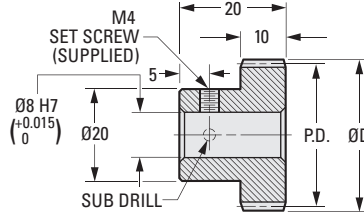
ISO CLASS 7
 10 mm FACE
 8 mm BORE
 20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM



> MATERIAL:
 303 Stainless Steel

Available on special order:
 Number of teeth not listed,
 different bore size and/or material,
 passivation for Stainless Steel.



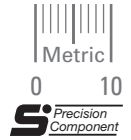
METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.
*S10T10M015S1008	15	15	17
*S10T10M016S1008	16	16	18
*S10T10M018S1008	18	18	20
S10T10M020S1008	20	20	22
S10T10M022S1008	22	22	24
S10T10M024S1008	24	24	26
S10T10M025S1008	25	25	27
S10T10M028S1008	28	28	30
S10T10M030S1008	30	30	32
S10T10M032S1008	32	32	34
S10T10M035S1008	35	35	37
S10T10M036S1008	36	36	38

* Hob cuts into hub. Hub diameter never exceeds gear O.D.

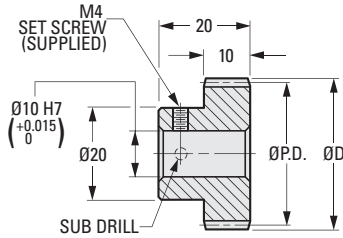


ISO CLASS 7
 10 mm FACE
 10 mm BORE
 20° PRESSURE ANGLE



MATERIAL:
 303 Stainless Steel

Available as special order:
 Number of teeth not listed, different
 bore size and/or material,
 passivation for stainless steel.



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.
S10T10M036S1010	36	36	38
S10T10M040S1010	40	40	42
S10T10M042S1010	42	42	44
S10T10M045S1010	45	45	47
S10T10M048S1010	48	48	50
S10T10M050S1010	50	50	52
S10T10M055S1010	55	55	57
S10T10M056S1010	56	56	58
S10T10M060S1010	60	60	62
S10T10M064S1010	64	64	66
S10T10M070S1010	70	70	72
S10T10M075S1010	75	75	77
S10T10M080S1010	80	80	82
S10T10M090S1010	90	90	92
S10T10M096S1010	96	96	98

ISO CLASS 7
3 mm FACE
10 mm BORE
20° PRESSURE ANGLE

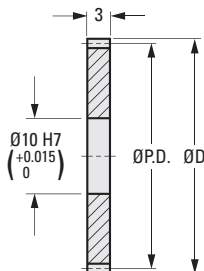
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> MATERIAL:

303 Stainless Steel or
2024 Aluminum Anodized-
T4 or T351 Aluminum Alloy,
anodized before cutting.

Available as special order:
Number of teeth not listed,
different bore size and/or material,
passivation for stainless steel.

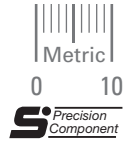


METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.
303 Stainless Steel	2024 Aluminum Anodized			
S12N10M018S0310	S12N10M018A0310	18	18	20
S12N10M020S0310	S12N10M020A0310	20	20	22
S12N10M022S0310	S12N10M022A0310	22	22	24
S12N10M024S0310	S12N10M024A0310	24	24	26
S12N10M025S0310	S12N10M025A0310	25	25	27
S12N10M027S0310	S12N10M027A0310	27	27	29
S12N10M028S0310	S12N10M028A0310	28	28	30
S12N10M030S0310	S12N10M030A0310	30	30	32
S12N10M032S0310	S12N10M032A0310	32	32	34
S12N10M035S0310	S12N10M035A0310	35	35	37
S12N10M036S0310	S12N10M036A0310	36	36	38
S12N10M040S0310	S12N10M040A0310	40	40	42
S12N10M042S0310	S12N10M042A0310	42	42	44
S12N10M045S0310	S12N10M045A0310	45	45	47
S12N10M048S0310	S12N10M048A0310	48	48	50
S12N10M050S0310	S12N10M050A0310	50	50	52
S12N10M054S0310	S12N10M054A0310	54	54	56
S12N10M056S0310	S12N10M056A0310	56	56	58
S12N10M060S0310	S12N10M060A0310	60	60	62
S12N10M064S0310	S12N10M064A0310	64	64	66
S12N10M065S0310	S12N10M065A0310	65	65	67
S12N10M070S0310	S12N10M070A0310	70	70	72
S12N10M072S0310	S12N10M072A0310	72	72	74
S12N10M075S0310	S12N10M075A0310	75	75	77
S12N10M080S0310	S12N10M080A0310	80	80	82
S12N10M084S0310	S12N10M084A0310	84	84	86
S12N10M085S0310	S12N10M085A0310	85	85	87
S12N10M090S0310	S12N10M090A0310	90	90	92
S12N10M096S0310	S12N10M096A0310	96	96	98
S12N10M100S0310	S12N10M100A0310	100	100	102

ISO CLASS 7
 3.2 mm FACE
 10 mm BORE
 20° PRESSURE ANGLE

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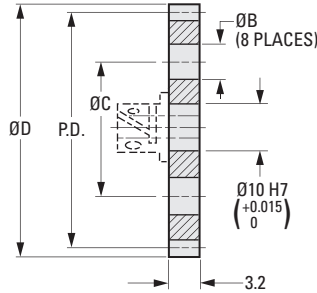
➤ **MATERIAL:**

303 Stainless Steel or
 2024 Aluminum Anodized-
 T4 or T351 Aluminum Alloy,
 anodized before cutting.

➤ **SPECIFICATIONS:**

All gears over 54 mm diameter supplied
 with lightening holes.
 See index for hubs. Assembled upon
 request at nominal charge.

Available on special order:
 14-1/2° P.A., teeth not listed, different
 bore size and/or material,
 passivation for Stainless Steel.



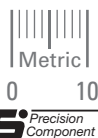
METRIC COMPONENT

Catalog Number		No. of Teeth	P.D.	D Dia.	B Dia.	C Dia.
303 Stainless Steel	2024 Aluminum Anodized					
S12S10M015N0310	S12A10M015N0310	15	15	17	—	—
S12S10M016N0310	S12A10M016N0310	16	16	18	—	—
S12S10M020N0310	S12A10M020N0310	20	20	22	—	—
S12S10M021N0310	S12A10M021N0310	21	21	23	—	—
S12S10M024N0310	S12A10M024N0310	24	24	26	—	—
S12S10M025N0310	S12A10M025N0310	25	25	27	—	—
S12S10M026N0310	S12A10M026N0310	26	26	28	—	—
S12S10M028N0310	S12A10M028N0310	28	28	30	—	—
S12S10M030N0310	S12A10M030N0310	30	30	32	—	—
S12S10M032N0310	S12A10M032N0310	32	32	34	—	—
S12S10M040N0310	S12A10M040N0310	40	40	42	—	—
S12S10M042N0310	S12A10M042N0310	42	42	44	—	—
S12S10M045N0310	S12A10M045N0310	45	45	47	—	—
S12S10M046N0310	S12A10M046N0310	46	46	48	—	—
S12S10M048N0310	S12A10M048N0310	48	48	50	—	—
S12S10M050N0310	S12A10M050N0310	50	50	52	—	—
S12S10M052N0310	S12A10M052N0310	52	52	54	—	—
S12S10M056N0310	S12A10M056N0310	56	56	58	9.5	34.9
S12S10M060N0310	S12A10M060N0310	60	60	62	9.5	34.9
S12S10M064N0310	S12A10M064N0310	64	64	66	9.5	34.9
S12S10M070N0310	S12A10M070N0310	70	70	72	9.5	44.5
S12S10M072N0310	S12A10M072N0310	72	72	74	9.5	44.5
S12S10M099N0310	S12A10M099N0310	99	99	101	12.7	57.2



ISO CLASS 7
5 mm FACE
10 mm BORE
20° PRESSURE ANGLE

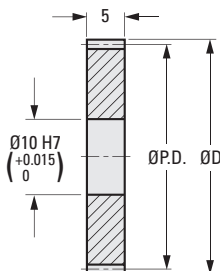
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> MATERIAL:

303 Stainless Steel or
2024 Aluminum Anodized-
T4 or T351 Aluminum Alloy,
anodized before cutting.

Available as special order:
Number of teeth not listed,
different bore size and/or material,
passivation for stainless steel.



METRIC COMPONENT

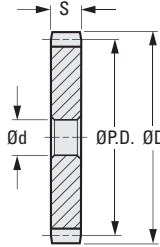
Catalog Number		No. of Teeth	P.D.	D Dia.
303 Stainless Steel	2024 Aluminum Anodized			
S12N10M018S0510	S12N10M018A0510	18	18	20
S12N10M020S0510	S12N10M020A0510	20	20	22
S12N10M022S0510	S12N10M022A0510	22	22	24
S12N10M024S0510	S12N10M024A0510	24	24	26
S12N10M025S0510	S12N10M025A0510	25	25	27
S12N10M027S0510	S12N10M027A0510	27	27	29
S12N10M028S0510	S12N10M028A0510	28	28	30
S12N10M030S0510	S12N10M030A0510	30	30	32
S12N10M032S0510	S12N10M032A0510	32	32	34
S12N10M035S0510	S12N10M035A0510	35	35	37
S12N10M036S0510	S12N10M036A0510	36	36	38
S12N10M040S0510	S12N10M040A0510	40	40	42
S12N10M042S0510	S12N10M042A0510	42	42	44
S12N10M045S0510	S12N10M045A0510	45	45	47
S12N10M048S0510	S12N10M048A0510	48	48	50
S12N10M050S0510	S12N10M050A0510	50	50	52
S12N10M054S0510	S12N10M054A0510	54	54	56
S12N10M056S0510	S12N10M056A0510	56	56	58
S12N10M060S0510	S12N10M060A0510	60	60	62
S12N10M064S0510	S12N10M064A0510	64	64	66
S12N10M065S0510	S12N10M065A0510	65	65	67
S12N10M070S0510	S12N10M070A0510	70	70	72
S12N10M072S0510	S12N10M072A0510	72	72	74
S12N10M075S0510	S12N10M075A0510	75	75	77
S12N10M080S0510	S12N10M080A0510	80	80	82
S12N10M084S0510	S12N10M084A0510	84	84	86
S12N10M085S0510	S12N10M085A0510	85	85	87
S12N10M090S0510	S12N10M090A0510	90	90	92
S12N10M096S0510	S12N10M096A0510	96	96	98
S12N10M100S0510	S12N10M100A0510	100	100	102

ISO CLASS 8
6 & 8 mm FACE WIDTH
20° PRESSURE ANGLE



0 10

QUALITY CLASS



> MATERIAL:
Steel

METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width
A 1C 1MYK10014S	14	14	16	5	+0.012/0	8
A 1C 1MYK10014	14	14	16	6	+0.012/0	8
A 1C 1MYK10015S	15	15	17	5	+0.012/0	8
A 1C 1MYK10015	15	15	17	6	+0.012/0	8
A 1C 1MYK10016S	16	16	18	5	+0.012/0	8
A 1C 1MYK10016	16	16	18	6	+0.012/0	8
A 1C 1MYK10018S	18	18	20	5	+0.012/0	8
A 1C 1MYK10018	18	18	20	6	+0.012/0	8
A 1C 1MYK10020	20	20	22	6	+0.012/0	8
A 1C 1MYK10024S	24	24	26	6	+0.012/0	8
A 1C 1MYK10024	24	24	26	8	+0.015/0	8
A 1C 1MYK10025S	25	25	27	6	+0.012/0	8
A 1C 1MYK10025	25	25	27	8	+0.015/0	8
A 1C 1MYK10028S	28	28	30	6	+0.012/0	8
A 1C 1MYK10028	28	28	30	8	+0.015/0	8
A 1C 1MYK10030	30	30	32	8	+0.015/0	8
A 1C 1MYK10032	32	32	34	8	+0.015/0	6
A 1C 1MYK10035	35	35	37	8	+0.015/0	6
A 1C 1MYK10036	36	36	38	8	+0.015/0	6
A 1C 1MYK10040S	40	40	42	8	+0.015/0	6
A 1C 1MYK10045S	45	45	47	8	+0.015/0	6
A 1C 1MYK10048S	48	48	50	8	+0.015/0	6
A 1C 1MYK10050	50	50	52	10	+0.015/0	6
A 1C 1MYK10056	56	56	58	10	+0.015/0	6
A 1C 1MYK10060	60	60	62	10	+0.015/0	6
A 1C 1MYK10064	64	64	66	10	+0.015/0	6
A 1C 1MYK10072	72	72	74	10	+0.015/0	6
A 1C 1MYK10080	80	80	82	10	+0.015/0	6
A 1C 1MYK10100	100	100	102	10	+0.015/0	6
A 1C 1MYK10120	120	120	122	10	+0.015/0	6

ISO CLASS 8
6 & 10 mm FACE WIDTH
20° PRESSURE ANGLE

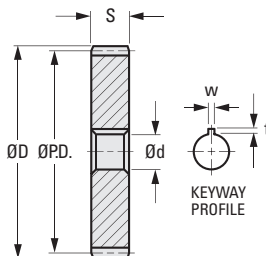
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QUALITY CLASS

> **MATERIAL:**
Steel

> **SPECIFICATIONS:**
With Keyway



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width	w	t
A 1C11MYK10040K	40	40	42	10	+0.015/0	6	3	1.4
A 1C11MYK10045K	45	45	47	10	+0.015/0	6	3	1.4
A 1C11MYK10048K	48	48	50	10	+0.015/0	6	3	1.4
Δ A 1C11MYK10050	50	50	52	12	+0.018/0	6	3	1.4
A 1C11MYK10050K	50	50	52	12	+0.018/0	6	4	1.8
Δ A 1C11MYK10060	60	60	62	12	+0.018/0	6	3	1.4
A 1C11MYK10060K	60	60	62	12	+0.018/0	6	4	1.8
Δ A 1C11MYK10100	100	100	102	14	+0.018/0	6	3	1.4
A 1C11MYK10120L	120	120	122	16	+0.018/0	6	5	2.3
A 1C11MYKW10030	30	30	32	10	+0.015/0	10	3	1.4
A 1C11MYKW10032K	32	32	34	10	+0.015/0	10	3	1.4
A 1C11MYKW10035K	35	35	37	10	+0.015/0	10	3	1.4
A 1C11MYKW10036K	36	36	38	10	+0.015/0	10	3	1.4
A 1C11MYKW10040	40	40	42	10	+0.015/0	10	3	1.4
A 1C11MYKW10045K	45	45	47	10	+0.015/0	10	3	1.4
A 1C11MYKW10050S	50	50	52	10	+0.015/0	10	3	1.4
Δ A 1C11MYKW10050	50	50	52	14	+0.018/0	10	3	1.4
A 1C11MYKW10060S	60	60	62	10	+0.015/0	10	3	1.4
A 1C11MYKW10080S	80	80	82	10	+0.015/0	10	3	1.4
Δ A 1C11MYKW10080K	80	80	82	16	+0.018/0	10	3	1.4
A 1C11MYKW10080L	80	80	82	16	+0.018/0	10	5	2.3
A 1C11MYKW10100S	100	100	102	10	+0.015/0	10	3	1.4
A 1C11MYKW10100L	100	100	102	16	+0.018/0	10	5	2.3
A 1C11MYKW10120S	120	120	122	10	+0.015/0	10	3	1.4
Δ A 1C11MYKW10120K	120	120	122	16	+0.018/0	10	4	1.8
A 1C11MYKW10120L	120	120	122	16	+0.018/0	10	5	2.3

Δ To be discontinued when present stock is depleted.

HUBLESS SPUR GEARS • MODULE 1

SDP/SI

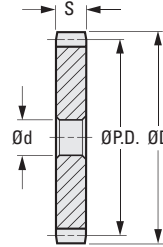
ISO CLASS 8
10 & 12 mm FACE WIDTH
20° PRESSURE ANGLE

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0 10

QUALITY CLASS



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width
A 1C 1MYKW10015	15	15	17	6	+0.012/0	12
A 1C 1MYKW10016	16	16	18	8	+0.015/0	12
A 1C 1MYKW10018	18	18	20	8	+0.015/0	12
A 1C 1MYKW10020	20	20	22	8	+0.015/0	12
A 1C 1MYKW10024	24	24	26	8	+0.015/0	12
A 1C 1MYKW10025	25	25	27	8	+0.015/0	12
A 1C 1MYKW10028B	28	28	30	8	+0.015/0	12
A 1C 1MYKW10030B	30	30	32	8	+0.015/0	12
A 1C 1MYKW10032S	32	32	34	8	+0.015/0	10
A 1C 1MYKW10035S	35	35	37	8	+0.015/0	10
A 1C 1MYKW10036S	36	36	38	8	+0.015/0	10
A 1C 1MYKW10040S	40	40	42	8	+0.015/0	10
A 1C 1MYKW10045S	45	45	47	8	+0.015/0	10
A 1C 1MYKW10048	48	48	50	10	+0.015/0	10
A 1C 1MYKW10056	56	56	58	10	+0.015/0	10
A 1C 1MYKW10064	64	64	66	10	+0.015/0	10
A 1C 1MYKW10072	72	72	74	10	+0.015/0	10



ISO CLASS 7
 10 mm FACE
 10 mm BORE
 20° PRESSURE ANGLE

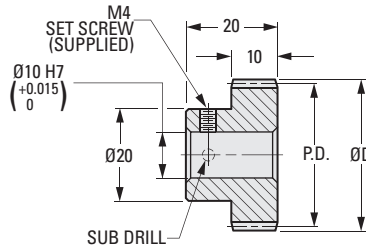
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> MATERIAL:

303 Stainless Steel

Available on special order:
 Number of teeth not listed, different
 bore size and/or material, passivation
 for stainless steel.

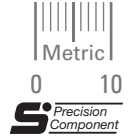


METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.
S10T12M014S1010	14*	17.5	20
S10T12M015S1010	15*	18.75	21.25
S10T12M016S1010	16*	20	22.5
S10T12M018S1010	18	22.5	25
S10T12M020S1010	20	25	27.5
S10T12M024S1010	24	30	32.5
S10T12M025S1010	25	31.25	33.75
S10T12M028S1010	28	35	37.5
S10T12M030S1010	30	37.5	40
S10T12M035S1010	35	43.75	46.25
S10T12M036S1010	36	45	47.5
S10T12M040S1010	40	50	52.5
S10T12M045S1010	45	56.25	58.75
S10T12M048S1010	48	60	62.5
S10T12M050S1010	50	62.5	65
S10T12M056S1010	56	70	72.5
S10T12M060S1010	60	75	77.5
S10T12M070S1010	70	87.5	90
S10T12M072S1010	72	90	92.5
S10T12M080S1010	80	100	102.5
S10T12M084S1010	84	105	107.5

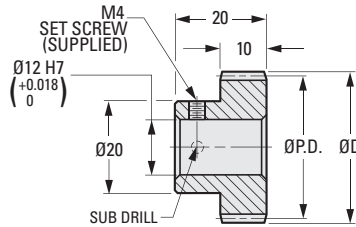
* Hob cuts into hub. Hub diameter never exceeds gear O.D.

ISO CLASS 7
 10 mm FACE
 12 mm BORE
 20° PRESSURE ANGLE



► **MATERIAL:**
 303 Stainless Steel

Available as special order:
 Number of teeth not listed, different
 bore size and /or material,
 passivation for stainless steel.



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.
S10T12M024S1012	24	30	32.5
S10T12M025S1012	25	31.25	33.75
S10T12M030S1012	30	37.5	40
S10T12M035S1012	35	43.75	46.25
S10T12M040S1012	40	50	52.5
S10T12M045S1012	45	56.25	58.75
S10T12M050S1012	50	62.5	65
S10T12M060S1012	60	75	77.5
S10T12M070S1012	70	87.5	90
S10T12M080S1012	80	100	102.5

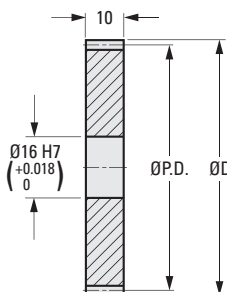
ISO CLASS 7
 10 mm FACE
 16 mm BORE
 20° PRESSURE ANGLE

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> MATERIAL:
 303 Stainless Steel

Available as special order:
 Number of teeth not listed, different
 bore size and / or material,
 passivation for stainless steel.



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.
S12N12M024S1016	24	30	32.5
S12N12M025S1016	25	31.25	33.75
S12N12M030S1016	30	37.5	40
S12N12M035S1016	35	43.75	46.25
S12N12M040S1016	40	50	52.5
S12N12M045S1016	45	56.25	58.75
S12N12M050S1016	50	62.5	65
S12N12M060S1016	60	75	77.5
S12N12M070S1016	70	87.5	90
S12N12M080S1016	80	100	102.5

ISO CLASS 8
16 & 18 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

► **MATERIAL:**
Steel

► **SPECIFICATIONS:**

Bore Tolerance: 8 & 10 mm +0.022/0
12, 15, 16 & 18 mm +0.018/0

D₁ Shaft Tolerance: 9 mm 0/-0.036
12 mm 0/-0.043

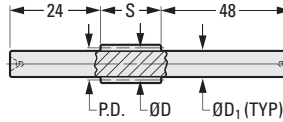


Fig. 1

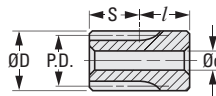


Fig. 2

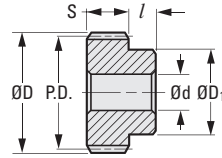


Fig. 3

METRIC COMPONENT

Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore	S Face Width	D ₁ Dia.	l Hub Proj.
A 1C 8MYK15008L	1	8	**	15.96	—	18	9(h9)	—
A 1C 8MYK15010L	1	10	**	19	—	18	12(h9)	—
A 1C 8MYK15012	2	12	18	21	8(H8)	18	—	22
A 1C 8MYK15014	2	14	21	24	8(H8)	18	—	22
A 1C 2MYKW15015	3	15	22.5	25.5	8(H8)	18	18	14
A 1C 2MYKW15016	3	16	24	27	8(H8)	18	20	14
A 1C 2MYKW15018	3	18	27	30	10(H8)	18	22	14
A 1C 2MYKW15020	3	20	30	33	10(H8)	18	25	14
A 1C 2MYKW15024	3	24	36	39	12(H7)	18	30	14
A 1C 2MYKW15025B	3	25	37.5	40.5	12(H7)	18	32	14
A 1C 2MYKW15028B	3	28	42	45	12(H7)	18	36	14
A 1C 2MYKW15030B	3	30	45	48	12(H7)	18	40	14
A 1C 2MYKW15032B	3	32	48	51	12(H7)	16	44	14
A 1C 2MYKW15036B	3	36	54	57	12(H7)	16	50	14
A 1C 2MYKW15040B	3	40	60	63	12(H7)	16	50	14
A 1C 2MYKW15048B	3	48	72	75	12(H7)	16	50	14
A 1C 2MYKW15050B	3	50	75	78	15(H7)	16	60	14
A 1C 2MYKW15056	3	56	84	87	16(H7)	16	60	14
A 1C 2MYKW15060B	3	60	90	93	16(H7)	16	60	14
A 1C 2MYKW15064	3	64	96	99	16(H7)	16	60	14
A 1C 2MYKW15070B	3	70	105	108	16(H7)	16	60	14
A 1C 2MYKW15072	3	72	108	111	18(H7)	16	60	14
A 1C 2MYKW15080B	3	80	120	123	18(H7)	16	70	14
A 1C 2MYKW15100B	3	100	150	153	18(H7)	16	70	14

** To obtain additional tooth strength these pinions are produced by shifting the tooth profile which results in a long addendum. The center distance for these pinions has to be increased, therefore please consult our Engineering Department.

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ISO CLASS 8
10 & 12 mm FACE WIDTH
20° PRESSURE ANGLE

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> MATERIAL:
Steel

QUALITY CLASS

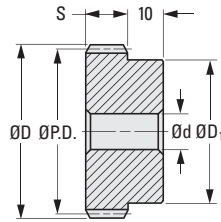


Fig. 1

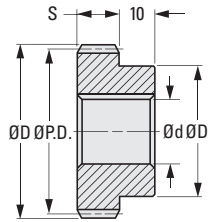
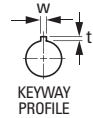


Fig. 2

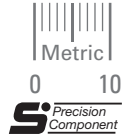


METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width	D ₁ Hub Dia.
Fig. 1 Without Keyway							
A 1C 2MYK15015	15	22.5	25.5	8	+0.015/0	12	18
A 1C 2MYK15016	16	24	27	8	+0.015/0	12	20
A 1C 2MYK15018	18	27	30	10	+0.015/0	12	22
A 1C 2MYK15020	20	30	33	10	+0.015/0	12	25
A 1C 2MYK15024	24	36	39	10	+0.015/0	12	30
A 1C 2MYK15025B	25	37.5	40.5	10	+0.015/0	12	32
A 1C 2MYK15028B	28	42	45	10	+0.015/0	12	36
A 1C 2MYK15030B	30	45	48	10	+0.015/0	12	40
A 1C 2MYK15032B	32	48	51	10	+0.015/0	10	40
A 1C 2MYK15036B	36	54	57	10	+0.015/0	10	50
A 1C 2MYK15040B	40	60	63	12	+0.018/0	10	50
A 1C 2MYK15048B	48	72	75	12	+0.018/0	10	50
A 1C 2MYK15050B	50	75	78	12	+0.018/0	10	50
A 1C 2MYK15056	56	84	87	14	+0.018/0	10	50
A 1C 2MYK15060	60	90	93	14	+0.018/0	10	50
A 1C 2MYK15064	64	96	99	14	+0.018/0	10	50
A 1C 2MYK15070	70	105	108	14	+0.018/0	10	50
A 1C 2MYK15072B	72	108	111	15	+0.018/0	10	50
A 1C 2MYK15080	80	120	123	15	+0.018/0	10	60
A 1C 2MYK15100	100	150	153	15	+0.018/0	10	60

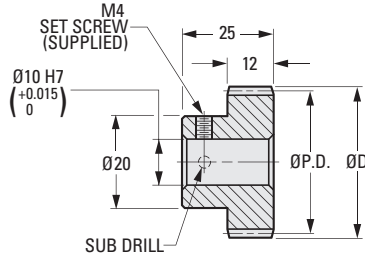
Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width	D ₁ Hub Dia.	w	t
Fig. 2 With Keyway									
A 1C22MYK15020B	20	30	33	15	+0.018/0	12	25	5	2.3
A 1C22MYK15025B	25	37.5	40.5	15	+0.018/0	12	30	5	2.3
A 1C22MYK15028B	28	42	45	15	+0.018/0	12	30	5	2.3
A 1C22MYK15030B	30	45	48	15	+0.018/0	12	30	5	2.3
A 1C22MYK15036B	36	54	57	15	+0.018/0	10	30	5	2.3
A 1C22MYK15040A	40	60	63	18	+0.018/0	10	36	6	2.8
A 1C22MYK15048A	48	72	75	18	+0.018/0	10	36	6	2.8
A 1C22MYK15050A	50	75	78	18	+0.018/0	10	36	6	2.8
A 1C22MYK15056B	56	84	87	15	+0.018/0	10	30	5	2.3
A 1C22MYK15060A	60	90	93	18	+0.018/0	10	36	6	2.8
A 1C22MYK15064B	64	96	99	15	+0.018/0	10	30	5	2.3
A 1C22MYK15070B	70	105	108	15	+0.018/0	10	30	5	2.3
A 1C22MYK15072A	72	108	111	18	+0.018/0	10	36	6	2.8
A 1C22MYK15080B	80	120	123	18	+0.018/0	10	36	6	2.8
A 1C22MYK15100A	100	150	153	20	+0.021/0	10	40	6	2.8

ISO CLASS 8
 12 mm FACE
 10 mm BORE
 20° PRESSURE ANGLE



MATERIAL:
 303 Stainless Steel

Available as special order:
 Number of teeth not listed, different
 bore size and / or material,
 passivation for stainless steel.

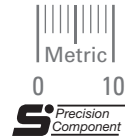


METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.
S10T15M018S1210	18	27	30
S10T15M020S1210	20	30	33
S10T15M024S1210	24	36	39
S10T15M028S1210	28	42	45
S10T15M030S1210	30	45	48
S10T15M032S1210	32	48	51
S10T15M036S1210	36	54	57
S10T15M040S1210	40	60	63
S10T15M042S1210	42	63	66
S10T15M045S1210	45	67.5	70.5
S10T15M048S1210	48	72	75
S10T15M050S1210	50	75	78
S10T15M056S1210	56	84	87
S10T15M060S1210	60	90	93
S10T15M064S1210	64	96	99

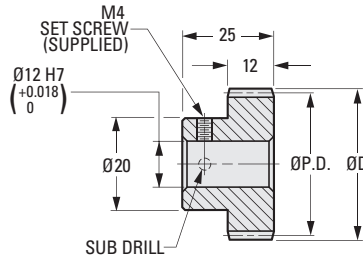
ISO CLASS 8
 12 mm FACE
 12 mm BORE
 20° PRESSURE ANGLE

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► **MATERIAL:**
 303 Stainless Steel

Available as special order:
 Number of teeth not listed, different
 bore size and / or material,
 passivation for stainless steel.



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.
S10T15M018S1212	18	27	30
S10T15M020S1212	20	30	33
S10T15M024S1212	24	36	39
S10T15M028S1212	28	42	45
S10T15M030S1212	30	45	48
S10T15M032S1212	32	48	51
S10T15M036S1212	36	54	57
S10T15M040S1212	40	60	63
S10T15M042S1212	42	63	66
S10T15M045S1212	45	67.5	70.5
S10T15M048S1212	48	72	75
S10T15M050S1212	50	75	78
S10T15M056S1212	56	84	87
S10T15M060S1212	60	90	93
S10T15M064S1212	64	96	99

ISO CLASS 8
16 & 18 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS



➤ **MATERIAL:**
Steel

➤ **SPECIFICATIONS:**
With Keyway

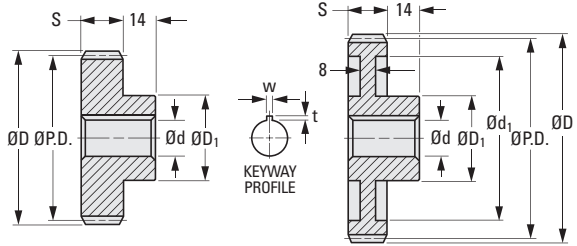


Fig. 1

Fig. 2

METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width	D ₁ Hub Dia.	d ₁ Dia.	w	t
Fig. 1										
A 1C22MYKW15024A	24	36	39	16	+0.018/0	18	30	—	5	2.3
A 1C22MYKW15025A	25	37.5	40.5	18	+0.018/0	18	32	—	6	2.8
A 1C22MYKW15028A	28	42	45	18	+0.018/0	18	36	—	6	2.8
A 1C22MYKW15030A	30	45	48	20	+0.021/0	18	40	—	6	2.8
A 1C22MYKW15032A	32	48	51	20	+0.021/0	16	40	—	6	2.8
A 1C22MYKW15036A	36	54	57	20	+0.021/0	16	40	—	6	2.8
A 1C22MYKW15040A	40	60	63	20	+0.021/0	16	40	—	6	2.8
A 1C22MYKW15048A	48	72	75	20	+0.021/0	16	40	—	6	2.8
A 1C22MYKW15050A	50	75	78	20	+0.021/0	16	40	—	6	2.8
A 1C22MYKW15056A	56	84	87	20	+0.021/0	16	40	—	6	2.8
Fig. 2										
A 1C22MYKW15060A	60	90	93	20	+0.021/0	16	40	76	6	2.8
A 1C22MYKW15064A	64	96	99	20	+0.021/0	16	40	82	6	2.8
A 1C22MYKW15070A	70	105	108	20	+0.021/0	16	40	91	6	2.8
A 1C22MYKW15072A	72	108	111	20	+0.021/0	16	40	94	6	2.8
A 1C22MYKW15080A	80	120	123	25	+0.021/0	16	50	106	8	3.3
A 1C22MYKW15100A	100	150	153	25	+0.021/0	16	50	136	8	3.3



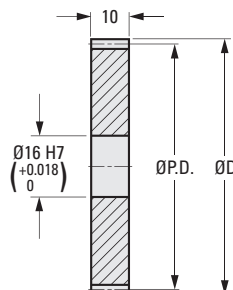
ISO CLASS 8
 10 mm FACE
 16 mm BORE
 20° PRESSURE ANGLE

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► **MATERIAL:**
 303 Stainless Steel

Available as special order:
 Number of teeth not listed, different
 bore size and / or material,
 passivation for stainless steel.



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.
S12N15M018S1016	18	27	30
S12N15M020S1016	20	30	33
S12N15M024S1016	24	36	39
S12N15M028S1016	28	42	45
S12N15M030S1016	30	45	48
S12N15M032S1016	32	48	51
S12N15M036S1016	36	54	57
S12N15M040S1016	40	60	63
S12N15M042S1016	42	63	66
S12N15M045S1016	45	67.5	70.5
S12N15M048S1016	48	72	75
S12N15M050S1016	50	75	78
S12N15M056S1016	56	84	87
S12N15M060S1016	60	90	93
S12N15M064S1016	64	96	99

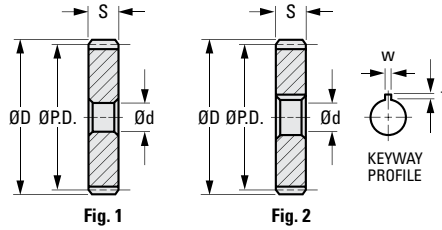
ISO CLASS 8
10 & 12 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

> **MATERIAL:**
Steel



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width
Fig. 1 Without Keyway						
A 1C 1MYK15016	16	24	27	8	+0.015/0	12
A 1C 1MYK15018	18	27	30	10	+0.015/0	12
A 1C 1MYK15020	20	30	33	10	+0.015/0	12
A 1C 1MYK15024	24	36	39	10	+0.015/0	12
A 1C 1MYK15025	25	37.5	40.5	10	+0.015/0	12
A 1C 1MYK15028	28	42	45	12	+0.018/0	12
A 1C 1MYK15030A	30	45	48	12	+0.018/0	10
A 1C 1MYK15036	36	54	57	12	+0.018/0	10
A 1C 1MYK15040	40	60	63	12	+0.018/0	10
A 1C 1MYK15048	48	72	75	14	+0.018/0	10
A 1C 1MYK15050	50	75	78	14	+0.018/0	10
A 1C 1MYK15056	56	84	87	14	+0.018/0	10
A 1C 1MYK15060	60	90	93	14	+0.018/0	10
A 1C 1MYK15064	64	96	99	14	+0.018/0	10
A 1C 1MYK15070	70	105	108	14	+0.018/0	10
A 1C 1MYK15072	72	108	111	16	+0.018/0	10
A 1C 1MYK15080	80	120	123	16	+0.018/0	10
A 1C 1MYK15100	100	150	153	16	+0.018/0	10

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width	w	t
Fig. 2 With Keyway								
A 1C11MYK15036A	36	54	57	16	+0.018/0	10	5	2.3
A 1C11MYK15040A	40	60	63	16	+0.018/0	10	5	2.3
A 1C11MYK15048A	48	72	75	18	+0.018/0	10	6	2.8
A 1C11MYK15050A	50	75	78	18	+0.018/0	10	6	2.8
A 1C11MYK15056A	56	84	87	18	+0.018/0	10	6	2.8
A 1C11MYK15060A	60	90	93	18	+0.018/0	10	6	2.8
A 1C11MYK15064A	64	96	99	18	+0.018/0	10	6	2.8
* A 1C11MYK15070	70	105	108	18	+0.018/0	10	5	2.3
A 1C11MYK15070A	70	105	108	18	+0.018/0	10	6	2.8
A 1C11MYK15072A	72	108	111	20	+0.021/0	10	6	2.8
A 1C11MYK15080A	80	120	123	20	+0.021/0	10	6	2.8
A 1C11MYK15100A	100	150	153	20	+0.021/0	10	6	2.8

* To be discontinued when present stock is depleted.

ISO CLASS 8
16 & 18 mm FACE WIDTH
20° PRESSURE ANGLE

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> MATERIAL:
Steel



QUALITY CLASS

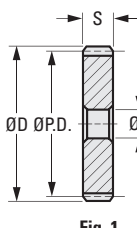


Fig. 1

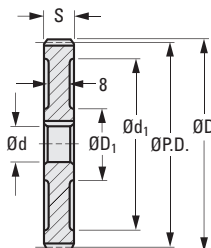
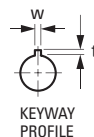


Fig. 2



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width
Fig. 1 Without Keyway						
A 1C 1MYKW15016	16	24	27	8	+0.015/0	18
A 1C 1MYKW15018	18	27	30	10	+0.015/0	18
A 1C 1MYKW15020	20	30	33	10	+0.015/0	18
A 1C 1MYKW15024	24	36	39	12	+0.018/0	18
A 1C 1MYKW15025	25	37.5	40.5	12	+0.018/0	18
A 1C 1MYKW15028	28	42	45	12	+0.018/0	18
A 1C 1MYKW15030	30	45	48	14	+0.018/0	18
A 1C 1MYKW15032	32	48	51	14	+0.018/0	16
A 1C 1MYKW15036	36	54	57	14	+0.018/0	16
A 1C 1MYKW15040	40	60	63	14	+0.018/0	16
A 1C 1MYKW15048	48	72	75	16	+0.018/0	16
A 1C 1MYKW15050	50	75	78	16	+0.018/0	16
A 1C 1MYKW15056	56	84	87	16	+0.018/0	16
A 1C 1MYKW15060A	60	90	93	16	+0.018/0	16
A 1C 1MYKW15064	64	96	99	16	+0.018/0	16
A 1C 1MYKW15070	70	105	108	16	+0.018/0	16
A 1C 1MYKW15072	72	108	111	18	+0.018/0	18
A 1C 1MYKW15080A	80	120	123	18	+0.018/0	18
A 1C 1MYKW15100A	100	150	153	18	+0.018/0	18

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tol.	S Face Width	D1 Dia.	d1 Dia.	w	t
Fig. 2 With Keyway										
A 1C11MYKW15020	20	30	33	14	+0.018/0	18	-	-	4	1.8
A 1C11MYKW15024	24	36	39	16	+0.018/0	18	-	-	5	2.3
A 1C11MYKW15025	25	37.5	40.5	16	+0.018/0	18	-	-	5	2.3
A 1C11MYKW15028	28	42	45	16	+0.018/0	18	-	-	5	2.3
A 1C11MYKW15030	30	45	48	18	+0.018/0	18	-	-	6	2.8
A 1C11MYKW15032	32	48	51	18	+0.018/0	16	-	-	6	2.8
A 1C11MYKW15036	36	54	57	18	+0.018/0	16	-	-	6	2.8
A 1C11MYKW15040	40	60	63	18	+0.018/0	16	-	-	6	2.8
A 1C11MYKW15048	48	72	75	20	+0.021/0	16	-	-	6	2.8
A 1C11MYKW15050A	50	75	78	20	+0.021/0	16	-	-	6	2.8
A 1C11MYKW15056A	56	84	87	20	+0.021/0	16	-	-	6	2.8
A 1C11MYKW15060A	60	90	93	20	+0.021/0	16	40	76	6	2.8
A 1C11MYKW15064A	64	96	99	20	+0.021/0	16	40	82	6	2.8
A 1C11MYKW15070A	70	105	108	20	+0.021/0	16	40	91	6	2.8
A 1C11MYKW15072	72	108	111	25	+0.021/0	16	50	94	8	3.3
A 1C 1MYKW15080	80	120	123	25	+0.021/0	16	50	106	8	3.3
A 1C 1MYKW15100	100	150	153	25	+0.021/0	16	50	136	8	3.3

ISO CLASS 8
20 & 22 mm FACE WIDTH
20° PRESSURE ANGLE

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0 10

QUALITY CLASS



► **MATERIAL:**
Steel

► **SPECIFICATIONS:**

Bore Tolerance: 10 mm +0.022/0
12 mm +0.027/0
14, 16 & 18 mm +0.018/0
20 mm +0.021/0

D₁ Shaft Tolerance: 12 & 16 mm 0/-0.027

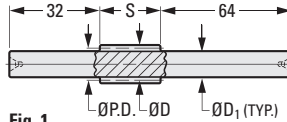


Fig. 1

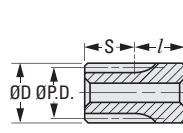


Fig. 2

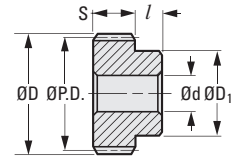


Fig. 3

METRIC COMPONENT

Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore	S Face Width	D ₁ Dia.	l Hub Proj.
A 1C 8MYK20008L	1	8	**	21.28	—	22	12(h8)	—
A 1C 8MYK20010L	1	10	**	25.33	—	22	16(h8)	—
A 1C 8MYK20012L	2	12	24	28	10(H8)	22	—	28
A 1C 2MYKW20014	3	14	28	32	10(H8)	20	22	20
A 1C 2MYKW20015	3	15	30	34	10(H8)	20	24	20
A 1C 2MYKW20016	3	16	32	36	12(H8)	20	26	20
A 1C 2MYKW20018	3	18	36	40	12(H8)	20	30	20
A 1C 2MYKW20020	3	20	40	44	12(H8)	20	34	20
A 1C 2MYKW20024A	3	24	48	52	14(H7)	20	42	20
A 1C 2MYKW20025A	3	25	50	54	14(H7)	20	44	20
A 1C 2MYKW20028	3	28	56	60	16(H7)	20	50	20
A 1C 2MYKW20030H	3	30	60	64	18(H7)	20	54	20
A 1C 2MYKW20032B	3	32	64	68	16(H7)	20	58	20
A 1C 2MYKW20036B	3	36	72	76	16(H7)	20	60	20
A 1C 2MYKW20040B	3	40	80	84	16(H7)	20	60	20
A 1C 2MYKW20048B	3	48	96	100	18(H7)	20	60	20
A 1C 2MYKW20050B	3	50	100	104	18(H7)	20	60	20
A 1C 2MYKW20056	3	56	112	116	18(H7)	20	60	20
A 1C 2MYKW20060B	3	60	120	124	18(H7)	20	70	20
A 1C 2MYKW20064	3	64	128	132	18(H7)	20	70	20
A 1C 2MYKW20072	3	72	144	148	20(H7)	20	70	20
A 1C 2MYKW20080B	3	80	160	164	20(H7)	20	70	20
A 1C 2MYKW20100B	3	100	200	204	20(H7)	20	80	20

** To obtain additional tooth strength these pinions are produced by shifting the tooth profile which results in a long addendum. The center distance for these pinions has to be increased, therefore please consult our Engineering Department.

ISO CLASS 8
12 & 14 mm FACE WIDTH
20° PRESSURE ANGLE

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► MATERIAL:
Steel

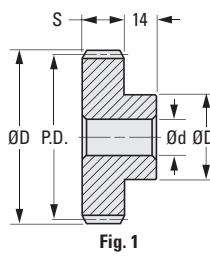


Fig. 1

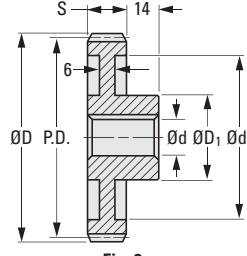


Fig. 2

QUALITY CLASS



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width	D ₁ Hub Dia.
Fig. 1 Without Keyway							
A 1C 2MYK20014	14	28	32	10	+0.015/0	14	22
A 1C 2MYK20015	15	30	34	10	+0.015/0	14	24
A 1C 2MYK20016	16	32	36	12	+0.018/0	14	26
A 1C 2MYK20018	18	36	40	12	+0.018/0	14	30
A 1C 2MYK20020	20	40	44	12	+0.018/0	14	34
A 1C 2MYK20024	24	48	52	14	+0.018/0	14	42
A 1C 2MYK20025	25	50	54	14	+0.018/0	14	44
A 1C 2MYK20028B	28	56	60	14	+0.018/0	14	50
A 1C 2MYK20030B	30	60	64	14	+0.018/0	14	54
A 1C 2MYK20032B	32	64	68	14	+0.018/0	12	58
A 1C 2MYK20036B	36	72	76	14	+0.018/0	12	60
A 1C 2MYK20040B	40	80	84	14	+0.018/0	12	60
A 1C 2MYK20048B	48	96	100	16	+0.018/0	12	60
A 1C 2MYK20050B	50	100	104	16	+0.018/0	12	60
A 1C 2MYK20056	56	112	116	16	+0.018/0	12	60
A 1C 2MYK20064	64	128	132	16	+0.018/0	12	60
A 1C 2MYK20072	72	144	148	18	+0.018/0	12	60

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width	D ₁ Hub Dia.	d ₁ Dia.	w	t
Fig. 2 With Keyway										
A 1C22MYK20020B	20	40	44	15	+0.018/0	14	30	—	5	2.3
*A 1C22MYK20024A	24	48	52	18	+0.018/0	14	36	—	6	2.8
A 1C22MYK20024B	24	48	52	15	+0.018/0	14	30	—	5	2.3
*A 1C22MYK20025A	25	50	54	18	+0.018/0	14	36	—	6	2.8
A 1C22MYK20025B	25	50	54	15	+0.018/0	14	30	—	5	2.3
A 1C22MYK20028A	28	56	60	20	+0.021/0	14	40	—	6	2.8
A 1C22MYK20030A	30	60	64	20	+0.021/0	14	40	—	6	2.8
A 1C22MYK20032A	32	64	68	20	+0.021/0	12	40	—	6	2.8
A 1C22MYK20036A	36	72	76	20	+0.021/0	12	40	—	6	2.8
A 1C22MYK20040A	40	80	84	20	+0.021/0	12	40	—	6	2.8
A 1C22MYK20048A	48	96	100	20	+0.021/0	12	40	—	6	2.8
A 1C22MYK20050A	50	100	104	20	+0.021/0	12	40	—	6	2.8
A 1C22MYK20056A	56	112	116	20	+0.021/0	12	40	—	6	2.8
A 1C22MYK20060A	60	120	124	20	+0.021/0	12	40	102	6	2.8
A 1C22MYK20060B	60	120	124	25	+0.021/0	12	50	102	8	3.3
A 1C22MYK20064A	64	128	132	20	+0.021/0	12	40	110	6	2.8
A 1C22MYK20072A	72	144	148	20	+0.021/0	12	40	126	6	2.8
A 1C22MYK20080A	80	160	164	20	+0.021/0	12	40	142	6	2.8
A 1C22MYK20080B	80	160	164	25	+0.021/0	12	50	142	8	3.3
A 1C22MYK20100A	100	200	204	20	+0.021/0	12	40	182	6	2.8
A 1C22MYK20100B	100	200	204	25	+0.021/0	12	50	182	8	3.3

* To be discontinued when present stock is depleted.



ISO CLASS 8
20 & 22 mm FACE WIDTH
20° PRESSURE ANGLE

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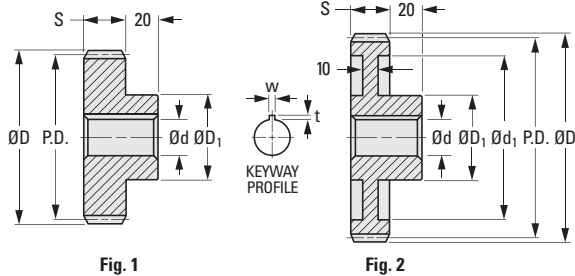


QUALITY CLASS



➤ MATERIAL:
Steel

➤ SPECIFICATIONS:
With Keyway



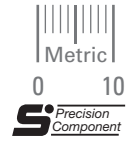
METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7 (+0.021/0)	S Face Width	D ₁ Hub Dia.	d ₁ Dia.	w	t
Fig. 1									
A 1C22MYKW20020A	20	40	44	20	22	34	—	6	2.8
A 1C22MYKW20024A	24	48	52	20	22	40	—	6	2.8
A 1C22MYKW20025A	25	50	54	20	22	40	—	6	2.8
A 1C22MYKW20028A	28	56	60	20	22	40	—	6	2.8
A 1C22MYKW20030A	30	60	64	20	22	40	—	6	2.8
A 1C22MYKW20032A	32	64	68	25	20	50	—	8	3.3
A 1C22MYKW20036A	36	72	76	25	20	50	—	8	3.3
A 1C22MYKW20040A	40	80	84	25	20	50	—	8	3.3
A 1C22MYKW20048A	48	96	100	25	20	50	—	8	3.3
A 1C22MYKW20050A	50	100	104	25	20	50	—	8	3.3
A 1C22MYKW20056A	56	112	116	25	20	50	—	8	3.3
Fig. 2									
A 1C22MYKW20060A	60	120	124	30	20	50	102	8	3.3
A 1C22MYKW20064A	64	128	132	25	20	50	110	8	3.3
A 1C22MYKW20072A	72	144	148	30	20	60	126	8	3.3
A 1C22MYKW20080A	80	160	164	30	20	60	142	8	3.3
A 1C22MYKW20100A	100	200	204	30	20	60	182	8	3.3



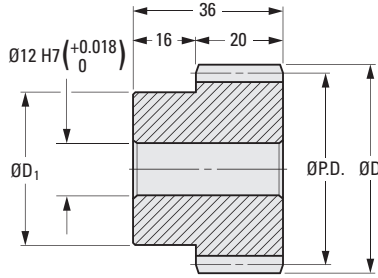
ISO CLASS 8
 20 mm FACE
 12 mm BORE
 20° PRESSURE ANGLE

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> MATERIAL:
 303 Stainless Steel

Available as special order:
 Number of teeth not listed, different
 bore size and / or material,
 passivation for stainless steel.



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	D ₁ Hub Dia.
S10P20M015S2012	15	30	34	24
S10P20M016S2012	16	32	36	26
S10P20M018S2012	18	36	40	30
S10P20M020S2012	20	40	44	32
S10P20M022S2012	22	44	48	36
S10P20M024S2012	24	48	52	38
S10P20M025S2012	25	50	54	40
S10P20M028S2012	28	56	60	45
S10P20M030S2012	30	60	64	50

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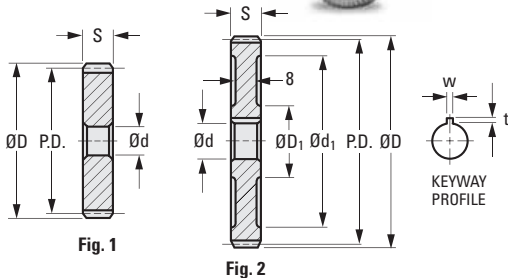
ISO CLASS 8
12 & 14 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

➤ **MATERIAL:**
Steel



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width
Fig. 1 Without Keyway						
A 1C 1MYK20014	14	28	32	10	+0.015/0	14
A 1C 1MYK20015	15	30	34	10	+0.015/0	14
A 1C 1MYK20016	16	32	36	12	+0.018/0	14
A 1C 1MYK20018	18	36	40	12	+0.018/0	14
A 1C 1MYK20020	20	40	44	12	+0.018/0	14
A 1C 1MYK20024	24	48	52	12	+0.018/0	14
A 1C 1MYK20025	25	50	54	14	+0.018/0	14
A 1C 1MYK20028	28	56	60	14	+0.018/0	14
A 1C 1MYK20032	32	64	68	14	+0.018/0	12
A 1C 1MYK20036	36	72	76	16	+0.018/0	12
A 1C 1MYK20040	40	80	84	16	+0.018/0	12
A 1C 1MYK20048	48	96	100	16	+0.018/0	12
A 1C 1MYK20050	50	100	104	18	+0.018/0	12
A 1C 1MYK20056	56	112	116	18	+0.018/0	12
A 1C 1MYK20060	60	120	124	20	+0.021/0	12
A 1C 1MYK20064	64	128	132	20	+0.021/0	12
A 1C 1MYK20072	72	144	148	20	+0.021/0	12
A 1C 1MYK20080	80	160	164	20	+0.021/0	12
A 1C 1MYK20100	100	200	204	20	+0.021/0	12

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Wdth.	D ₁ Dia.	d ₁ Dia.	w	t
Fig. 2 With Keyway										
A 1C11MYK20020A	20	40	44	16	+0.018/0	14	—	—	5	2.3
A 1C11MYK20024A	24	48	52	16	+0.018/0	14	—	—	5	2.3
A 1C11MYK20030A	30	60	64	18	+0.018/0	14	—	—	6	2.8
A 1C11MYK20032A	32	64	68	18	+0.018/0	12	—	—	6	2.8
A 1C11MYK20036A	36	72	76	20	+0.021/0	12	—	—	6	2.8
A 1C11MYK20040A	40	80	84	20	+0.021/0	12	—	—	6	2.8
A 1C11MYK20048A	48	96	100	20	+0.021/0	12	—	—	6	2.8
A 1C11MYK20050A	50	100	104	20	+0.021/0	12	—	—	6	2.8
A 1C11MYK20056A	56	112	116	20	+0.021/0	12	—	—	6	2.8
A 1C11MYK20060A	60	120	124	25	+0.021/0	12	50	102	8	3.3
A 1C11MYK20064A	64	128	132	25	+0.021/0	12	50	110	8	3.3
A 1C11MYK20072A	72	144	148	25	+0.021/0	12	50	126	8	3.3
A 1C11MYK20080A	80	160	164	25	+0.021/0	12	50	142	8	3.3
A 1C11MYK20100A	100	200	204	25	+0.021/0	12	50	182	8	3.3

ISO CLASS 8
20 & 22 mm FACE WIDTH
20° PRESSURE ANGLE

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► MATERIAL:
Steel



QUALITY CLASS

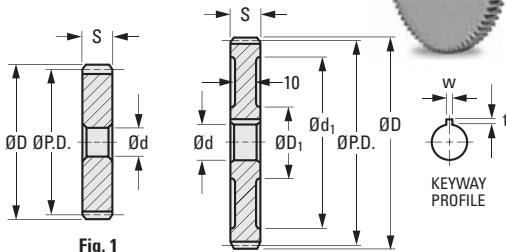


Fig. 1

Fig. 2

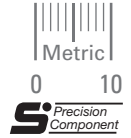
METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width
Fig. 1 Without Keyway						
A 1C 1MYKW20014	14	28	32	10	+0.015/0	22
A 1C 1MYKW20015	15	30	34	10	+0.015/0	22
A 1C 1MYKW20016	16	32	36	12	+0.018/0	22
A 1C 1MYKW20018	18	36	40	12	+0.018/0	22
A 1C 1MYKW20020	20	40	44	12	+0.018/0	22
A 1C 1MYKW20024	24	48	52	14	+0.018/0	22
A 1C 1MYKW20025	25	50	54	14	+0.018/0	22
A 1C 1MYKW20028	28	56	60	16	+0.018/0	22
A 1C 1MYKW20030	30	60	64	16	+0.018/0	22
A 1C 1MYKW20032A	32	64	68	16	+0.018/0	20
A 1C 1MYKW20036	36	72	76	20	+0.021/0	20
A 1C 1MYKW20056	56	112	116	20	+0.021/0	20
A 1C 1MYKW20064	64	128	132	18	+0.018/0	20
A 1C 1MYKW20072	72	144	148	18	+0.018/0	20

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7 (+0.021/0)	S Face Width	D ₁ Dia.	d ₁ Dia.	w	t
Fig. 2 With Keyway									
A 1C11MYKW20024A	24	48	52	20	22	—	—	6	2.8
A 1C11MYKW20025A	25	50	54	20	22	—	—	6	2.8
A 1C11MYKW20028A	28	56	60	20	22	—	—	6	2.8
A 1C11MYKW20030A	30	60	64	20	22	—	—	6	2.8
A 1C11MYKW20032A	32	64	68	20	20	—	—	6	2.8
A 1C11MYKW20036A	36	72	76	25	20	—	—	8	3.3
A 1C11MYKW20040A	40	80	84	20	20	—	—	6	2.8
A 1C11MYKW20040B	40	80	84	25	20	—	—	8	3.3
A 1C11MYKW20048A	48	96	100	25	20	—	—	8	3.3
A 1C11MYKW20050A	50	100	104	20	20	—	—	6	2.8
A 1C11MYKW20050B	50	100	104	25	20	—	—	8	3.3
A 1C11MYKW20056A	56	112	116	25	20	—	—	8	3.3
A 1C11MYKW20060A	60	120	124	20	20	40	102	6	2.8
A 1C11MYKW20060B	60	120	124	25	20	50	102	8	3.3
A 1C11MYKW20064A	64	128	132	25	20	50	110	8	3.3
A 1C11MYKW20072A	72	144	148	25	20	50	126	8	3.3
* A 1C11MYKW20080A	80	160	164	20	20	40	142	6	2.8
A 1C11MYKW20080B	80	160	164	25	20	50	142	8	3.3
A 1C11MYKW20100A	100	200	204	20	20	40	182	6	2.8
* A 1C11MYKW20100	100	200	204	30	20	60	182	7	3
A 1C11MYKW20100B	100	200	204	30	20	60	182	8	3.3

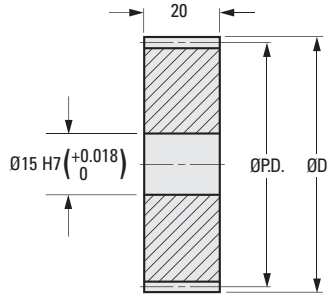
* To be discontinued when present stock is depleted.

ISO CLASS 8
 20 mm FACE
 15 mm BORE
 20° PRESSURE ANGLE



> MATERIAL:
 303 Stainless Steel

Available as special order:
 Number of teeth not listed, different
 bore size and / or material,
 passivation for stainless steel.



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.
S12N20M032S2015	32	64	68
S12N20M035S2015	35	70	74
S12N20M036S2015	36	72	76
S12N20M040S2015	40	80	84
S12N20M042S2015	42	84	88
S12N20M045S2015	45	90	94
S12N20M048S2015	48	96	100
S12N20M050S2015	50	100	104
S12N20M056S2015	56	112	116
S12N20M060S2015	60	120	124
S12N20M064S2015	64	128	132
S12N20M070S2015	70	140	144

ISO CLASS 8
25 & 28 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

► **MATERIAL:**
Steel

► **SPECIFICATIONS:**

Bore Tolerance: 12, 14, 15 & 16 mm +0.027/0 (H8)
16 & 18 mm +0.018/0 (H7)
20 & 22 mm +0.021/0 (H7)

D₁ Shaft Tolerance: 15 mm 0/-0.027
20 mm 0/-0.033

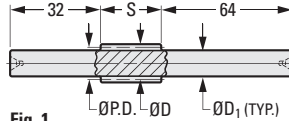


Fig. 1

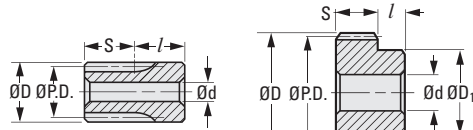


Fig. 2

Fig. 3

METRIC COMPONENT

Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore	S Face Width	D ₁ Dia.	l Hub Proj.
A 1C 8MYK25008L	1	8	**	26.59	—	28	15(h8)	—
A 1C 8MYK25010L	1	10	**	31.66	—	28	20(h8)	—
A 1C 8MYK25012	2	12	30	35	12(H8)	28	—	32
A 1C 2MYKW25014	3	14	35	40	12(H8)	28	28	20
A 1C 2MYKW25015	3	15	37.5	42.5	12(H8)	28	30	20
A 1C 2MYKW25016	3	16	40	45	12(H8)	28	32	20
A 1C 2MYKW25018	3	18	45	50	14(H8)	28	36	20
A 1C 2MYKW25020	3	20	50	55	14(H8)	28	42	20
A 1C 2MYKW25024B	3	24	60	65	15(H8)	28	50	20
A 1C 2MYKW25025B	3	25	62.5	67.5	15(H8)	28	55	20
A 1C 2MYKW25028B	3	28	70	75	16(H8)	28	60	20
A 1C 2MYKW25030B	3	30	75	80	16(H8)	28	60	20
A 1C 2MYKW25032B	3	32	80	85	16(H7)	25	60	20
A 1C 2MYKW25036B	3	36	90	95	18(H7)	25	60	20
A 1C 2MYKW25040B	3	40	100	105	18(H7)	25	60	20
A 1C 2MYKW25048B	3	48	120	125	18(H7)	25	60	20
A 1C 2MYKW25050B	3	50	125	130	18(H7)	25	60	20
A 1C 2MYKW25056	3	56	140	145	20(H7)	25	70	20
A 1C 2MYKW25060B	3	60	150	155	20(H7)	25	70	20
A 1C 2MYKW25064	3	64	160	165	20(H7)	25	70	20
A 1C 2MYKW25072	3	72	180	185	20(H7)	25	80	20
A 1C 2MYKW25080B	3	80	200	205	22(H7)	25	80	20

** To obtain additional tooth strength these pinions are produced by shifting the tooth profile which results in a long addendum. The center distance for these pinions has to be increased, therefore please consult our Engineering Department.

ISO CLASS 8
16 & 18 mm FACE WIDTH
20° PRESSURE ANGLE

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► MATERIAL:
Steel

QUALITY CLASS

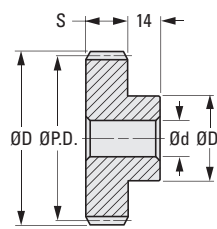


Fig. 1

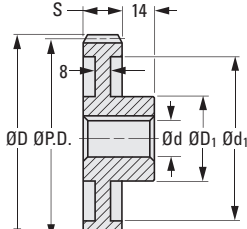
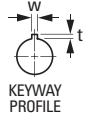


Fig. 2



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7 (+0.018) 0	S Face Width	D ₁ Hub Dia.
Fig. 1 Without Keyway						
A 1C 2MYK25014	14	35	40	12	18	28
A 1C 2MYK25015	15	37.5	42.5	12	18	30
A 1C 2MYK25016	16	40	45	12	18	32
A 1C 2MYK25018	18	45	50	14	18	36
A 1C 2MYK25020B	20	50	55	12	18	42
A 1C 2MYK25024B	24	60	65	14	18	50
A 1C 2MYK25025B	25	62.5	67.5	14	18	50
A 1C 2MYK25028B	28	70	75	14	18	50
A 1C 2MYK25030B	30	75	80	14	18	50
A 1C 2MYK25032B	32	80	85	16	16	60
A 1C 2MYK25036B	36	90	95	16	16	60
A 1C 2MYK25040B	40	100	105	16	16	60
A 1C 2MYK25048B	48	120	125	16	16	60
A 1C 2MYK25050B	50	125	130	16	16	60
A 1C 2MYK25056	56	140	145	18	16	60
A 1C 2MYK25060B	60	150	155	18	16	60
A 1C 2MYK25064	64	160	165	18	16	60
A 1C 2MYK25072	72	180	185	18	16	70
A 1C 2MYK25080B	80	200	205	18	16	70

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7 (+0.021) 0	S Face Width	D ₁ Hub Dia.	d ₁ Dia.	w	t
Fig. 2 With Keyway									
A 1C22MYK25020A	20	50	55	20	18	40	—	6	2.8
A 1C22MYK25024A	24	60	65	20	18	40	—	6	2.8
A 1C22MYK25025A	25	62.5	67.5	20	18	40	—	6	2.8
A 1C22MYK25028A	28	70	75	20	18	40	—	6	2.8
A 1C22MYK25030A	30	75	80	20	18	40	—	6	2.8
A 1C22MYK25032A	32	80	85	25	16	50	—	8	3.3
A 1C22MYK25036A	36	90	95	25	16	50	—	8	3.3
A 1C22MYK25040A	40	100	105	25	16	50	—	8	3.3
A 1C22MYK25048A	48	120	125	25	16	50	—	8	3.3
A 1C22MYK25050A	50	125	130	25	16	50	—	8	3.3
A 1C22MYK25060A	60	150	155	25	16	50	127	8	3.3
A 1C22MYK25080A	80	200	205	25	16	50	177	8	3.3

ISO CLASS 8
25 & 28 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

➤ **MATERIAL:**
Steel

➤ **SPECIFICATIONS:**
With Keyway

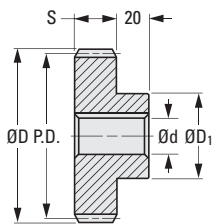


Fig. 1

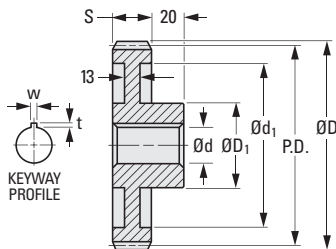
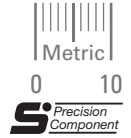


Fig. 2

METRIC COMPONENT

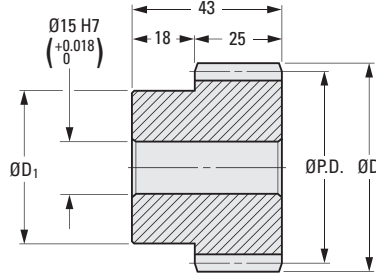
Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width	D ₁ Hub Dia.	d ₁ Dia.	w	t
Fig. 1										
A 1C22MYKW25020A	20	50	55	20	+0.021/0	28	40	—	6	2.8
A 1C22MYKW25024A	24	60	65	25	+0.021/0	28	50	—	8	3.3
A 1C22MYKW25025A	25	62.5	67.5	25	+0.021/0	28	50	—	8	3.3
A 1C22MYKW25028A	28	70	75	25	+0.021/0	28	50	—	8	3.3
A 1C22MYKW25030A	30	75	80	25	+0.021/0	28	50	—	8	3.3
A 1C22MYKW25032A	32	80	85	25	+0.021/0	25	50	—	8	3.3
A 1C22MYKW25036A	36	90	95	30	+0.021/0	25	60	—	8	3.3
A 1C22MYKW25040A	40	100	105	30	+0.021/0	25	60	—	8	3.3
A 1C22MYKW25048A	48	120	125	30	+0.021/0	25	60	—	8	3.3
A 1C22MYKW25050A	50	125	130	30	+0.021/0	25	60	—	8	3.3
A 1C22MYKW25056A	56	140	145	25	+0.021/0	25	50	—	8	3.3
Fig. 2										
A 1C22MYKW25060A	60	150	155	35	+0.025/0	25	70	127	10	3.3
A 1C22MYKW25064A	64	160	165	25	+0.021/0	25	50	137	8	3.3
A 1C22MYKW25072A	72	180	185	25	+0.021/0	25	50	157	8	3.3
A 1C22MYKW25080A	80	200	205	35	+0.025/0	25	70	177	10	3.3

ISO CLASS 8
 25 mm FACE
 15 mm BORE
 20° PRESSURE ANGLE



MATERIAL:
 303 Stainless Steel

Available as special order:
 Number of teeth not listed, different
 bore size and / or material,
 passivation for stainless steel.



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	D ₁ Hub Dia.
S10P25M015S2515	15	37.5	42.5	30
S10P25M016S2515	16	40	45	32
S10P25M018S2515	18	45	50	38
S10P25M020S2515	20	50	55	40
S10P25M022S2515	22	55	60	44
S10P25M024S2515	24	60	65	48
S10P25M025S2515	25	62.5	67.5	50
S10P25M028S2515	28	70	75	60
S10P25M030S2515	30	75	80	65

ISO CLASS 8
16 & 18 mm FACE WIDTH
20° PRESSURE ANGLE

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➤ MATERIAL:
Steel



QUALITY CLASS

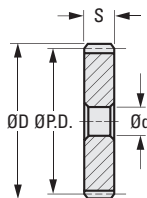


Fig. 1

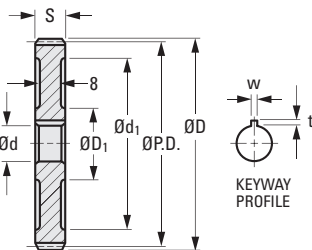


Fig. 2

METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7 (+0.018/0)	S Face Width
Fig. 1 Without Keyway					
A 1C 1MYK25014	14	35	40	12	18
A 1C 1MYK25015	15	37.5	42.5	12	18
A 1C 1MYK25016	16	40	45	12	18
A 1C 1MYK25018	18	45	50	12	18
A 1C 1MYK25020	20	50	55	12	18
A 1C 1MYK25024	24	60	65	14	18
A 1C 1MYK25025	25	62.5	67.5	14	18
A 1C 1MYK25028	28	70	75	14	18
A 1C 1MYK25030	30	75	80	16	18
A 1C 1MYK25032	32	80	85	16	16
A 1C 1MYK25036A	36	90	95	16	16
A 1C 1MYK25040A	40	100	105	16	16
A 1C 1MYK25048A	48	120	125	16	16
A 1C 1MYK25050A	50	125	130	16	16
A 1C 1MYK25056	56	140	145	16	16
A 1C 1MYK25060A	60	150	155	16	16
A 1C 1MYK25064	64	160	165	16	16
A 1C 1MYK25072	72	180	185	16	16
A 1C 1MYK25080	80	200	205	18	16

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tol.	S Face Width	D ₁ Dia.	d ₁ Dia.	w	t
Fig. 2 With Keyway										
* A 1C11MYK25020A	20	50	55	16	+0.018/0	18	—	—	5	2.3
A 1C11MYK25020B	20	50	55	15	+0.018/0	18	—	—	5	2.3
A 1C11MYK25025B	25	62.5	67.5	15	+0.018/0	18	—	—	5	2.3
A 1C11MYK25028A	28	70	75	20	+0.021/0	18	—	—	6	2.8
A 1C11MYK25030A	30	75	80	20	+0.021/0	18	—	—	6	2.8
A 1C11MYK25032A	32	80	85	20	+0.021/0	16	—	—	6	2.8
A 1C11MYK25036A	36	90	95	20	+0.021/0	16	—	—	6	2.8
A 1C11MYK25040A	40	100	105	20	+0.021/0	16	—	—	6	2.8
A 1C11MYK25048A	48	120	125	20	+0.021/0	16	—	—	6	2.8
A 1C11MYK25050A	50	125	130	20	+0.021/0	16	—	—	6	2.8
A 1C11MYK25060B	60	150	155	25	+0.021/0	16	50	127	8	3.3
A 1C11MYK25080B	80	200	205	25	+0.021/0	16	50	177	8	3.3

* To be discontinued when present stock is depleted.

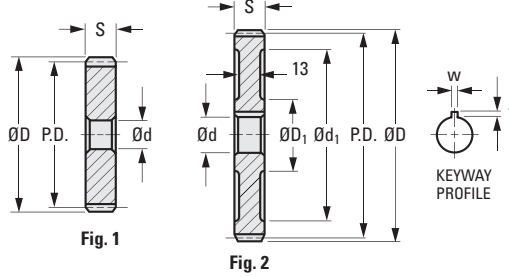
ISO CLASS 8
25 & 28 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

➤ **MATERIAL:**
Steel



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width
Fig. 1 Without Keyway						
A 1C 1MYKW25014	14	35	40	12	+0.018/0	28
A 1C 1MYKW25015	15	37.5	42.5	12	+0.018/0	28
A 1C 1MYKW25016	16	40	45	12	+0.018/0	28
A 1C 1MYKW25018	18	45	50	14	+0.018/0	28
A 1C 1MYKW25020	20	50	55	14	+0.018/0	28
A 1C 1MYKW25024	24	60	65	14	+0.018/0	28
A 1C 1MYKW25025	25	62.5	67.5	16	+0.018/0	28
A 1C 1MYKW25028	28	70	75	16	+0.018/0	28
A 1C 1MYKW25030	30	75	80	18	+0.018/0	25
A 1C 1MYKW25032	32	80	85	18	+0.018/0	25
A 1C 1MYKW25036A	36	90	95	18	+0.018/0	25
A 1C 1MYKW25040A	40	100	105	18	+0.018/0	25
A 1C 1MYKW25048A	48	120	125	18	+0.018/0	25
A 1C 1MYKW25050A	50	125	130	18	+0.018/0	25
A 1C 1MYKW25056	56	140	145	18	+0.018/0	25
A 1C 1MYKW25060A	60	150	155	18	+0.018/0	25
A 1C 1MYKW25064	64	160	165	18	+0.018/0	25
A 1C 1MYKW25072	72	180	185	18	+0.018/0	25
A 1C 1MYKW25080A	80	200	205	20	+0.021/0	25

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7 (+0.021/0)	S Face Width	D ₁ Dia.	d ₁ Dia.	w	t
Fig. 2 With Keyway									
A 1C11MYKW25024A	24	60	65	20	28	—	—	6	2.8
A 1C11MYKW25025A	25	62.5	67.5	20	28	—	—	6	2.8
A 1C11MYKW25028A	28	70	75	20	28	—	—	6	2.8
A 1C11MYKW25030A	30	75	80	25	25	—	—	8	3.3
A 1C11MYKW25032A	32	80	85	25	25	—	—	8	3.3
A 1C11MYKW25036A	36	90	95	25	25	—	—	8	3.3
A 1C11MYKW25040A	40	100	105	25	25	—	—	8	3.3
A 1C11MYKW25048A	48	120	125	25	25	—	—	8	3.3
A 1C11MYKW25050A	50	125	130	25	25	—	—	8	3.3
A 1C11MYKW25060A	60	150	155	25	25	50	127	8	3.3
A 1C11MYKW25080A	80	200	205	25	25	50	177	8	3.3

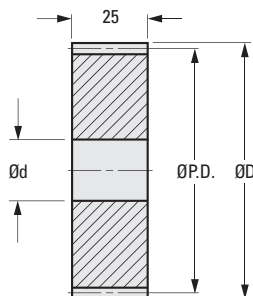
ISO CLASS 8
25 mm FACE
20° PRESSURE ANGLE

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MATERIAL:
303 Stainless Steel

Available as special order:
Number of teeth not listed, different
bore size and / or material,
passivation for stainless steel.



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance
S12N25M032S2515	32	80	85	15	+0.018/0
S12N25M035S2515	35	87.5	92.5	15	+0.018/0
S12N25M036S2515	36	90	95	15	+0.018/0
S12N25M040S2520	40	100	105	20	+0.021/0
S12N25M042S2520	42	105	110	20	+0.021/0
S12N25M045S2520	45	112.5	117.5	20	+0.021/0
S12N25M048S2520	48	120	125	20	+0.021/0
S12N25M050S2520	50	125	130	20	+0.021/0
S12N25M055S2520	55	137.5	142.5	20	+0.021/0
S12N25M056S2520	56	140	145	20	+0.021/0
S12N25M060S2520	60	150	155	20	+0.021/0
S12N25M064S2520	64	160	165	20	+0.021/0

ISO CLASS 8
30 & 35 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

> MATERIAL:
Steel

> SPECIFICATIONS:

Bore Tolerance: 14 & 16 mm +0.027/0
18 mm +0.018/0
20, 22, 25 & 30 mm +0.021/0
35 & 40 mm +0.025/0

D₁ Shaft Tolerance: 18 mm 0/-0.027
24 mm 0/-0.033

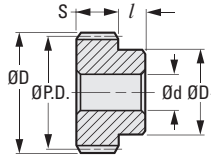
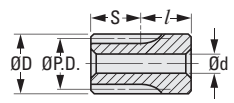
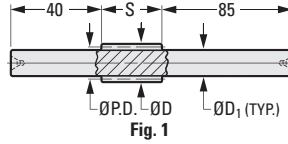


Fig. 3

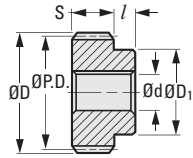


Fig. 4

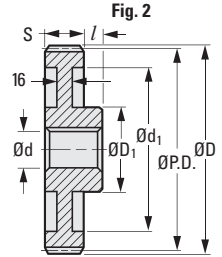


Fig. 5

METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore	S Face Width	D ₁ Dia.	l Hub Proj.
Fig. 1							
A 1C 8MYK30008	8	**	31.91	-	35	18(h8)	-
A 1C 8MYK30010	10	**	37.99	-	35	24(h8)	-
Fig. 2							
A 1C 8MYK30012L	12	36	42	14(H8)	35	-	35
Fig. 3							
A 1C 2MYKW30014	14	42	48	16(H8)	30	34	20
A 1C 2MYKW30015	15	45	51	16(H8)	30	36	20
A 1C 2MYKW30016	16	48	54	16(H8)	30	40	20
A 1C 2MYKW30018	18	54	60	18(H7)	30	46	20
A 1C 2MYKW30020	20	60	66	18(H7)	30	52	20
A 1C 2MYKW30024	24	72	78	20(H7)	30	60	20
A 1C 2MYKW30025	25	75	81	20(H7)	30	60	20
A 1C 2MYKW30028	28	84	90	22(H7)	30	60	20
A 1C 2MYKW30030	30	90	96	22(H7)	30	60	20

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	S Face Width	D ₁ Dia.	l Hub Proj.	d ₁	w	t
Fig. 4 With Keyway										
A 1C 2MYKW30020A	20	60	66	25	35	50	15	-	8	3.3
A 1C 2MYKW30024A	24	72	78	30	35	60	15	-	8	3.3
A 1C 2MYKW30025A	25	75	81	30	35	60	15	-	8	3.3
A 1C 2MYKW30028A	28	84	90	30	35	60	15	-	8	3.3
A 1C 2MYKW30030A	30	90	96	30	35	60	15	-	8	3.3
A 1C 2MYKW30036A	36	108	114	35	30	70	15	-	10	3.3
A 1C 2MYKW30040A	40	120	126	35	30	70	15	-	10	3.3
Fig. 5 With Keyway										
A 1C 2MYKW30048A	48	144	150	40	30	80	15	116	12	3.3
A 1C 2MYKW30050A	50	150	156	40	30	80	15	122	12	3.3
A 1C 2MYKW30060A	60	180	186	40	30	80	15	152	12	3.3

** To obtain additional tooth strength these pinions are produced by shifting the tooth profile which results in a long addendum. The center distance for these pinions has to be increased, therefore please consult our Engineering Department.

ISO CLASS 8
20 & 22 mm FACE WIDTH
20° PRESSURE ANGLE

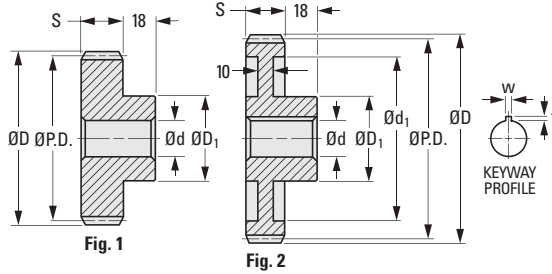
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QUALITY CLASS

➤ **MATERIAL:**
Steel



METRIC COMPONENT

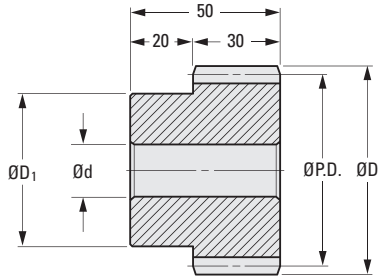
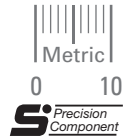
Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width	D ₁ Hub Dia.
Fig. 1 Without Keyway							
A 1C 2MYK30014	14	42	48	16	+0.018/0	22	34
A 1C 2MYK30015	15	45	51	16	+0.018/0	22	36
A 1C 2MYK30016	16	48	54	16	+0.018/0	22	40
A 1C 2MYK30018	18	54	60	18	+0.018/0	22	46
A 1C 2MYK30020	20	60	66	18	+0.018/0	22	50
A 1C 2MYK30024	24	72	78	18	+0.018/0	22	50
A 1C 2MYK30025	25	75	81	20	+0.021/0	22	60
A 1C 2MYK30028	28	84	90	20	+0.021/0	22	60
A 1C 2MYK30030	30	90	96	18	+0.018/0	22	60
A 1C 2MYK30032A	32	96	102	18	+0.018/0	20	70
A 1C 2MYK30036A	36	108	114	20	+0.021/0	20	70
A 1C 2MYK30040A	40	120	126	20	+0.021/0	20	70
A 1C 2MYK30048A	48	144	150	20	+0.021/0	20	70
A 1C 2MYK30050A	50	150	156	20	+0.021/0	20	70
A 1C 2MYK30056	56	168	174	20	+0.021/0	20	70
A 1C 2MYK30060A	60	180	186	22	+0.021/0	20	70
A 1C 2MYK30064	64	192	198	22	+0.021/0	20	70

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7 (+0.021) 0	S Face Width	D ₁ Hub Dia.	d ₁	w	t
Fig. 2 With Keyway									
A 1C22MYK30020A	20	60	66	20	22	40	—	6	2.8
A 1C22MYK30024A	24	72	78	20	22	40	—	6	2.8
A 1C22MYK30025A	25	75	81	25	22	50	—	8	3.3
A 1C22MYK30028A	28	84	90	25	22	50	—	8	3.3
A 1C22MYK30030A	30	90	96	25	22	50	—	8	3.3
A 1C22MYK30032A	32	96	102	25	20	50	—	8	3.3
A 1C22MYK30036A	36	108	114	25	20	50	—	8	3.3
A 1C22MYK30040A	40	120	126	25	20	50	—	8	3.3
A 1C22MYK30048A	48	144	150	25	20	50	116	8	3.3
A 1C22MYK30050A	50	150	156	25	20	50	122	8	3.3
A 1C22MYK30056A	56	168	174	25	20	50	140	8	3.3
A 1C22MYK30060A	60	180	186	30	20	60	152	8	3.3
A 1C22MYK30064A	64	192	198	30	20	60	164	8	3.3

ISO CLASS 8
30 mm FACE
20° PRESSURE ANGLE

MATERIAL:
303 Stainless Steel

Available as special order:
Number of teeth not listed, different
bore size and / or material,
passivation for stainless steel.



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	D ₁ Hub Dia.
S10P30M015S3015	15	45	51	15	+0.018/0	36
S10P30M016S3015	16	48	54	15	+0.018/0	38
S10P30M018S3015	18	54	60	15	+0.018/0	40
S10P30M020S3015	20	60	66	15	+0.018/0	50
S10P30M022S3015	22	66	72	15	+0.018/0	54
S10P30M024S3015	24	72	78	15	+0.018/0	58
S10P30M025S3020	25	75	81	20	+0.021/0	60
S10P30M028S3020	28	84	90	20	+0.021/0	70
S10P30M030S3020	30	90	96	20	+0.021/0	75

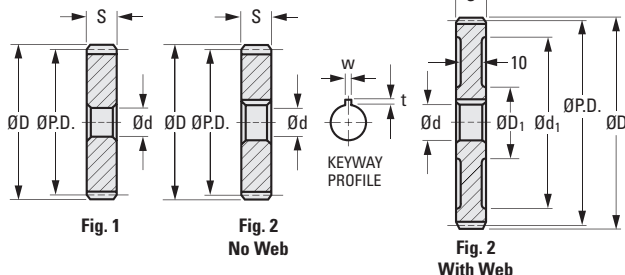
ISO CLASS 8
20 & 22 mm FACE WIDTH
20° PRESSURE ANGLE

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➤ MATERIAL:
Steel



QUALITY CLASS



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width
Fig. 1 Without Keyway						
A 1C 1MYK30014	14	42	48	16	+0.018/0	22
A 1C 1MYK30015	15	45	51	16	+0.018/0	22
A 1C 1MYK30016	16	48	54	16	+0.018/0	22
A 1C 1MYK30018	18	54	60	16	+0.018/0	22
A 1C 1MYK30020	20	60	66	16	+0.018/0	22
A 1C 1MYK30024	24	72	78	16	+0.018/0	22
A 1C 1MYK30025	25	75	81	18	+0.018/0	22
A 1C 1MYK30028	28	84	90	18	+0.018/0	22
A 1C 1MYK30030	30	90	96	20	+0.021/0	22
A 1C 1MYK30032	32	96	102	20	+0.021/0	20
A 1C 1MYK30036A	36	108	114	20	+0.021/0	20
A 1C 1MYK30040A	40	120	126	20	+0.021/0	20
A 1C 1MYK30048A	48	144	150	20	+0.021/0	20
A 1C 1MYK30050A	50	150	156	20	+0.021/0	20
A 1C 1MYK30056A	56	168	174	20	+0.021/0	20
A 1C 1MYK30060A	60	180	186	20	+0.021/0	20
* A 1C 1MYK30060	60	180	186	28	+0.021/0	20

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7 (+0.021/0)	S Face Width	D ₁ Dia.	d ₁ Dia.	w	t
Fig. 2 With Keyway									
A 1C11MYK30020A	20	60	66	20	22	-	-	6	2.8
A 1C11MYK30024A	24	72	78	20	22	-	-	6	2.8
A 1C11MYK30025B	25	75	81	25	22	-	-	8	3.3
A 1C11MYK30028B	28	84	90	25	22	-	-	8	3.3
A 1C11MYK30030A	30	90	96	25	22	-	-	8	3.3
A 1C11MYK30032A	32	96	102	25	20	-	-	8	3.3
A 1C11MYK30036A	36	108	114	25	20	-	-	8	3.3
A 1C11MYK30040A	40	120	126	25	20	-	-	8	3.3
A 1C11MYK30048A	48	144	150	25	20	50	116	8	3.3
A 1C11MYK30050A	50	150	156	25	20	50	122	8	3.3
A 1C11MYK30056A	56	168	174	25	20	50	140	8	3.3
A 1C11MYK30060B	60	180	186	30	20	60	152	8	3.3

* To be discontinued when present stock is depleted.

ISO CLASS 8
30 & 35 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS

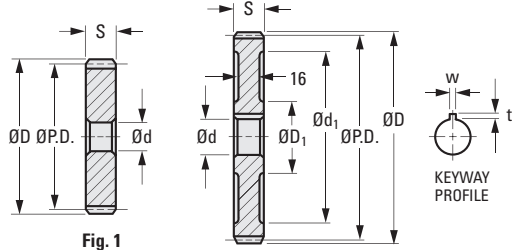


Fig. 1

Fig. 2

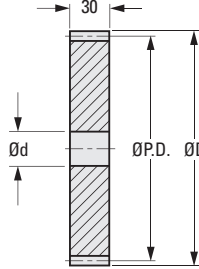
METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	S Face Width
Fig. 1 Without Keyway						
A 1C 1MYKW30014	14	42	48	16	+0.018/0	35
A 1C 1MYKW30015	15	45	51	16	+0.018/0	35
A 1C 1MYKW30016	16	48	54	16	+0.018/0	35
A 1C 1MYKW30018	18	54	60	18	+0.018/0	35
A 1C 1MYKW30020	20	60	66	18	+0.018/0	35
A 1C 1MYKW30024	24	72	78	18	+0.018/0	35
A 1C 1MYKW30025	25	75	81	20	+0.021/0	35
A 1C 1MYKW30028	28	84	90	20	+0.021/0	35
A 1C 1MYKW30030	30	90	96	22	+0.021/0	30
A 1C 1MYKW30032	32	96	102	22	+0.021/0	30

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7 (+0.021/0)	S Face Width	D ₁ Dia.	d ₁ Dia.	w	t
Fig. 2 With Keyway									
A 1C11MYKW30024	24	72	78	25	35	—	—	8	3.3
A 1C11MYKW30025	25	75	81	25	35	—	—	8	3.3
A 1C11MYKW30028	28	84	90	25	35	—	—	8	3.3
A 1C11MYKW30036	36	108	114	30	30	—	—	8	3.3
A 1C11MYKW30040	40	120	126	30	30	—	—	8	3.3
A 1C11MYKW30048	48	144	150	30	30	60	116	8	3.3
A 1C11MYKW30050	50	150	156	30	30	60	122	8	3.3
A 1C11MYKW30060	60	180	186	30	30	60	152	8	3.3

ISO CLASS 8
 30 mm FACE
 20° PRESSURE ANGLE

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> MATERIAL:

303 Stainless Steel

Available as special order:
 Number of teeth not listed, different
 bore size and / or material,
 passivation for stainless steel.

METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H7 (+0.021/0)
S12N30M032S3020	32	96	102	20
S12N30M035S3020	35	105	111	20
S12N30M036S3020	36	108	114	20
S12N30M040S3025	40	120	126	25
S12N30M042S3025	42	126	132	25
S12N30M045S3025	45	135	141	25
S12N30M048S3025	48	144	150	25
S12N30M050S3025	50	150	156	25
S12N30M055S3025	55	165	171	25
S12N30M056S3025	56	168	174	25
S12N30M060S3025	60	180	186	25

NONMETALLIC SPUR GEARS • MODULE 0.4



ISO CLASS 9
3 mm FACE WIDTH
20° PRESSURE ANGLE

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QUALITY CLASS



> MATERIAL:

Gear – Acetal
Insert – Brass

> SPECIFICATION:

Gears under 80 teeth have no webs.

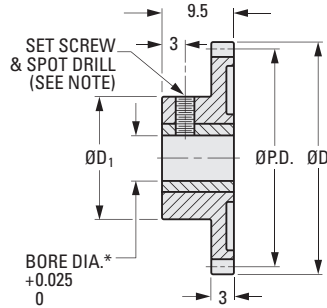
METRIC COMPONENT CATALOG NUMBER

A 1 P 2 M Y D 04

No. of Teeth Code

*** BORE CODE**

- A 3 mm Dia.
- B 4 mm Dia.
- C 5 mm Dia.
- D 6 mm Dia.



No. of Teeth Code	No. of Teeth	P.D.	D Dia.	D ₁ Hub Dia.
036	36	14.4	15.2	13
038	38	15.2	16	13
040	40	16	16.8	13
042	42	16.8	17.6	13
044	44	17.6	18.4	13
045	45	18	18.8	13
046	46	18.4	19.2	13
048	48	19.2	20	13
050	50	20	20.8	13
055	55	22	22.8	13
056	56	22.4	23.2	13
060	60	24	24.8	13
064	64	25.6	26.4	16
065	65	26	26.8	16
070	70	28	28.8	16
072	72	28.8	29.6	16
074	74	29.6	30.4	16
075	75	30	30.8	16
080	80	32	32.8	16

No. of Teeth Code	No. of Teeth	P.D.	D Dia.	D ₁ Hub Dia.
084	84	33.6	34.4	16
085	85	34	34.8	16
088	88	35.2	36	16
090	90	36	36.8	16
092	92	36.8	37.6	16
095	95	38	38.8	19
096	96	38.4	39.2	19
100	100	40	40.8	19
108	108	43.2	44	19
110	110	44	44.8	19
112	112	44.8	45.6	19
120	120	48	48.8	19
127	127	50.8	51.6	19
128	128	51.2	52	19
130	130	52	52.8	19
144	144	57.6	58.4	19
152	152	60.8	61.6	19
160	160	64	64.8	19
168	168	67.2	68	19

NOTE: Gears with 3 mm & 4 mm bore have M2.5 set screw & spot drill.
5 mm & 6 mm bore have M3 set screw & spot drill.

NONMETALLIC SPUR GEARS • MODULE 0.4

SDP/SI

ISO CLASS 8
5 mm FACE WIDTH
20° PRESSURE ANGLE

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> MATERIAL:
Acetal



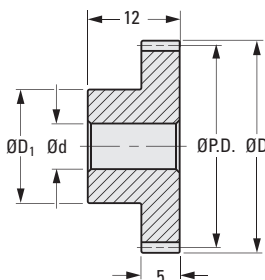
QUALITY CLASS



METRIC COMPONENT CATALOG NUMBER

A 1P 2MY04

No. of Teeth Code



No. of Teeth Code	No. of Teeth	P.D.	D Dia.	d Bore H8	d Tolerance	D ₁ Hub Dia.
012	12	4.8	5.6	3	+0.014/0	4.5
015	15	6	6.8	3	+0.014/0	5.5
016	16	6.4	7.2	3	+0.014/0	5.5
020	20	8	8.8	3	+0.014/0	6
024	24	9.6	10.4	4	+0.018/0	8
025	25	10	10.8	4	+0.018/0	8
030	30	12	12.8	4	+0.018/0	8
032	32	12.8	13.6	4	+0.018/0	8
035	35	14	14.8	4	+0.018/0	10
036	36	14.4	15.2	4	+0.018/0	10
040	40	16	16.8	4	+0.018/0	10
045	45	18	18.8	4	+0.018/0	10
048	48	19.2	20	4	+0.018/0	10
050	50	20	20.8	4	+0.018/0	10
055	55	22	22.8	4	+0.018/0	10
060	60	24	24.8	6	+0.018/0	15
064	64	25.6	26.4	6	+0.018/0	15
065	65	26	26.8	6	+0.018/0	15
070	70	28	28.8	6	+0.018/0	15
072	72	28.8	29.6	6	+0.018/0	15
075	75	30	30.8	6	+0.018/0	15
080	80	32	32.8	6	+0.018/0	15
084	84	33.6	34.4	6	+0.018/0	15
085	85	34	34.8	6	+0.018/0	15
090	90	36	36.8	6	+0.018/0	15
095	95	38	38.8	6	+0.018/0	15
096	96	38.4	39.2	6	+0.018/0	15
100	100	40	40.8	6	+0.018/0	15
108	108	43.2	44	6	+0.018/0	15
120	120	48	48.8	6	+0.018/0	15

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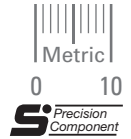
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A

ISO CLASS 7
5 mm FACE WIDTH
5, 8 & mm BORE
20° PRESSURE ANGLE

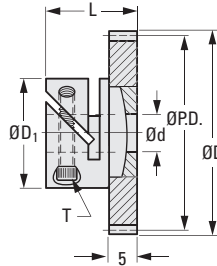


> MATERIAL:
Gear – Acetal
Hub – 303 Stainless Steel

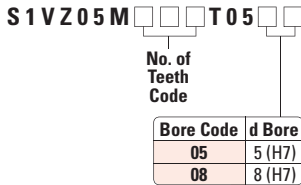
> SPECIFICATIONS:
For Fairloc® Type Hub Gear

d Bore Ref.	T	D ₁	L
5	M2.5	14	13.5
8	M3	17	14.8

Available as special order:
14-1/2° P.A., teeth not listed
or different bore size, or
assembled onto pin type hub.



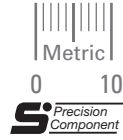
METRIC COMPONENT CATALOG NUMBER



No. of Teeth Code	No. of Teeth	P.D.	D Dia.
028	28	14	15
029	29	14.5	15.5
030	30	15	16
032	32	16	17
036	36	18	19
040	40	20	21
044	44	22	23
045	45	22.5	23.5
048	48	24	25
050	50	25	26
056	56	28	29
060	60	30	31
064	64	32	33
068	68	34	35
070	70	35	36
072	72	36	37
075	75	37.5	38.5
080	80	40	41
084	84	42	43
090	90	45	46
092	92	46	47
096	96	48	49
100	100	50	51
110	110	55	56
120	120	60	61
138	138	69	70
144	144	72	73
168	168	84	85
180	180	90	91
186	186	93	94

ISO CLASS 7
 5 mm FACE WIDTH
 5 & 8 mm BORE
 20° PRESSURE ANGLE

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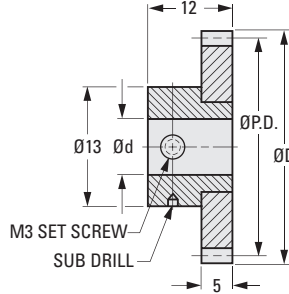


> MATERIAL:

Gear – Acetal
Hub – 303 Stainless Steel

> SPECIFICATIONS:

Available as special order:
 14-1/2° P.A., teeth not listed
 or different bore size, or assembled
 onto Fairloc® Integral Fastener Hub.



METRIC COMPONENT CATALOG NUMBER

S 1 0 Z 0 5 M T 0 5

No. of
Teeth
Code

Bore Code	d Bore
05	5 (H7)
08	8 (H7)

No. of Teeth Code	No. of Teeth	P.D.	D Dia.
028	28	14	15
029	29	14.5	15.5
030	30	15	16
032	32	16	17
036	36	18	19
040	40	20	21
044	44	22	23
045	45	22.5	23.5
048	48	24	25
050	50	25	26
056	56	28	29
060	60	30	31
064	64	32	33
068	68	34	35
070	70	35	36
072	72	36	37
075	75	37.5	38.5
080	80	40	41
084	84	42	43
090	90	45	46
092	92	46	47
096	96	48	49
100	100	50	51
110	110	55	56
120	120	60	61
138	138	69	70
144	144	72	73
168	168	84	85
180	180	90	91
186	186	93	94

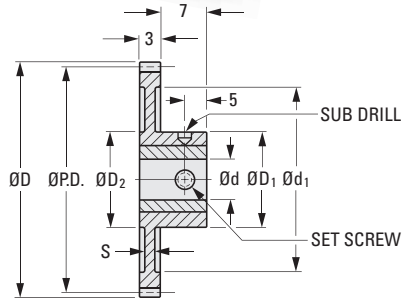
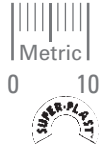
- I
- R
- T
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- 14
- 15
- A

3 mm FACE WIDTH
20° PRESSURE ANGLE

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► MATERIAL:

Gear – Acetal
Insert – Brass



METRIC COMPONENT

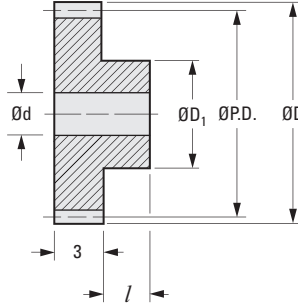
Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore +0.025 0	D ₁ Hub Dia.	S	d ₁ Dia.	D ₂ Dia.	Set Screw
A 1Z 2MYZ0501803	18	9	10	3	8	–	–	–	M2.5
A 1Z 2MYZ0501903	19	9.5	10.5	3	8	–	–	–	M2.5
A 1Z 2MYZ0502003	20	10	11	3	8	–	–	–	M2.5
A 1Z 2MYZ0502103	21	10.5	11.5	3	8	–	–	–	M2.5
A 1Z 2MYZ0502204	22	11	12	4	10	–	–	–	M2.5
A 1Z 2MYZ0502304	23	11.5	12.5	4	10	–	–	–	M2.5
A 1Z 2MYZ0502404	24	12	13	4	10	–	–	–	M2.5
A 1Z 2MYZ0502504	25	12.5	13.5	4	10	–	–	–	M2.5
A 1Z 2MYZ0502604	26	13	14	4	10	–	–	–	M2.5
A 1Z 2MYZ0502704	27	13.5	14.5	4	10	–	–	–	M2.5
A 1Z 2MYZ0502804	28	14	15	4	10	–	–	–	M2.5
A 1Z 2MYZ0503004	30	15	16	4	12	–	–	–	M2.5
A 1Z 2MYZ0503204	32	16	17	4	12	–	–	–	M2.5
A 1Z 2MYZ0503504	35	17.5	18.5	4	12	–	–	–	M2.5
A 1Z 2MYZ0503604	36	18	19	4	12	–	–	–	M2.5
A 1Z 2MYZ0503804	38	19	20	4	12	–	–	–	M2.5
A 1Z 2MYZ0504004	40	20	21	4	12	2	14	12	M2.5
A 1Z 2MYZ0504204	42	21	22	4	12	2	16	12	M2.5
A 1Z 2MYZ0504504	45	22.5	23.5	4	12	2	18.5	12	M2.5
A 1Z 2MYZ0504806	48	24	25	6	15	2	19	15	M3
A 1Z 2MYZ0505006	50	25	26	6	15	2	20	15	M3
A 1Z 2MYZ0505206	52	26	27	6	15	2	21	15	M3
A 1Z 2MYZ0505406	54	27	28	6	15	2	22	15	M3
A 1Z 2MYZ0505506	55	27.5	28.5	6	15	2	23	15	M3
A 1Z 2MYZ0505606	56	28	29	6	15	2	23	15	M3
A 1Z 2MYZ0506006	60	30	31	6	15	2	24	15	M3
A 1Z 2MYZ0506406	64	32	33	6	15	2	25	15	M3
A 1Z 2MYZ0506506	65	32.5	33.5	6	15	2	27	15	M3
A 1Z 2MYZ0507006	70	35	36	6	15	2	29	15	M3
A 1Z 2MYZ0507206	72	36	37	6	15	2	30	15	M3
A 1Z 2MYZ0507506	75	37.5	38.5	6	15	2	33	15	M3
A 1Z 2MYZ0508006	80	40	41	6	15	2	36	15	M3
A 1Z 2MYZ0509006	90	45	46	6	15	2	39	15	M3
A 1Z 2MYZ0509606	96	48	49	6	15	2	42	15	M3
A 1Z 2MYZ0510006	100	50	51	6	15	2	44	15	M3
A 1Z 2MYZ0512006	120	60	61	6	15	2	54	15	M3



3 mm FACE WIDTH
20° PRESSURE ANGLE

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➤ MATERIAL:
Acetal



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore Dia.	D ₁ Hub Dia.	l Hub Proj.
A 1M 2MYZ05012	12	6	7	2	4	4
A 1M 2MYZ05013	13	6.5	7.5	2	4	4
A 1M 2MYZ05014	14	7	8	2	5	4
A 1M 2MYZ05015	15	7.5	8.5	3	6	7
A 1M 2MYZ05016	16	8	9	3	6	7
A 1M 2MYZ05017	17	8.5	9.5	3	6	7
A 1M 2MYZ05018	18	9	10	4	8	7
A 1M 2MYZ05019	19	9.5	10.5	4	8	7
A 1M 2MYZ05020A	20	10	11	3	8	7
A 1M 2MYZ05020	20	10	11	4	8	7
A 1M 2MYZ05021	21	10.5	11.5	4	8	7
A 1M 2MYZ05022	22	11	12	4	10	7
A 1M 2MYZ05023	23	11.5	12.5	4	10	7
A 1M 2MYZ05024	24	12	13	4	10	7
A 1M 2MYZ05025	25	12.5	13.5	4	10	7
A 1M 2MYZ05025A	25	12.5	13.5	6	10	7
A 1M 2MYZ05026	26	13	14	4	10	7
A 1M 2MYZ05026A	26	13	14	6	10	7
A 1M 2MYZ05027	27	13.5	14.5	4	10	7
A 1M 2MYZ05028	28	14	15	4	10	7
A 1M 2MYZ05030	30	15	16	4	12	7
A 1M 2MYZ05032	32	16	17	4	12	7
A 1M 2MYZ05035	35	17.5	18.5	4	12	7
A 1M 2MYZ05036	36	18	19	4	12	7
A 1M 2MYZ05038	38	19	20	4	12	7

Continued on the next page

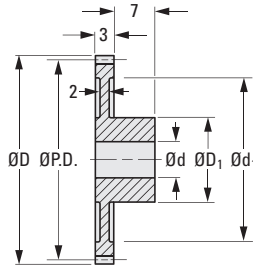
NONMETALLIC MOLDED SPUR GEARS • MODULE 0.5

SDP/SI

3 mm FACE WIDTH
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

➤ **MATERIAL:**
Acetal



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore Dia.	D ₁ Hub Dia.	d ₁ Dia.
* A 1M 2MYZ05040	40	20	21	4	12	14.5
A 1M 2MYZ05042	42	21	22	4	12	16
A 1M 2MYZ05045	45	22.5	23.5	4	12	18.5
A 1M 2MYZ05048	48	24	25	6	15	19
A 1M 2MYZ05050	50	25	26	6	15	20
A 1M 2MYZ05052	52	26	27	6	15	21
A 1M 2MYZ05054	54	27	28	6	15	22
A 1M 2MYZ05055	55	27.5	28.5	6	15	23
A 1M 2MYZ05056	56	28	29	6	15	23
A 1M 2MYZ05060	60	30	31	6	15	24
A 1M 2MYZ05064	64	32	33	6	15	25
A 1M 2MYZ05065	65	32.5	33.5	6	15	27
A 1M 2MYZ05070	70	35	36	6	15	29
A 1M 2MYZ05072	72	36	37	6	15	30
A 1M 2MYZ05075	75	37.5	38.5	6	15	33
A 1M 2MYZ05080	80	40	41	6	15	36
A 1M 2MYZ05090	90	45	46	6	15	39
A 1M 2MYZ05096	96	48	49	6	15	42
A 1M 2MYZ05100	100	50	51	6	15	44
A 1M 2MYZ05120	120	60	61	6	15	54

* Coring opposite hub only.

Continued from the previous page

3 mm FACE WIDTH
20° PRESSURE ANGLE

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➤ MATERIAL:
Acetal

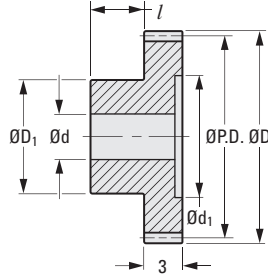


Fig. 1

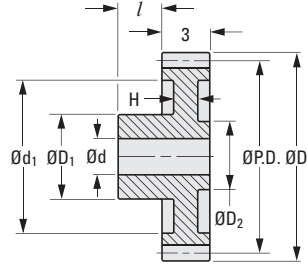


Fig. 2

METRIC COMPONENT

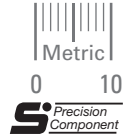
Catalog Number	No. of Teeth	Fig No.	P.D.	D Dia.	d Bore Dia.	D ₁ Hub Dia.	l Hub Proj.	d ₁ Dia.	D ₂ Dia.	H Web Thickness
A 1M 2MYH05012	12	1	6	7	2	4.5	4	4	-	-
A 1M 2MYH05015	15	1	7.5	8.5	2	4.5	4	5	-	-
A 1M 2MYH05016	16	1	8	9	3	6	4	6	-	-
A 1M 2MYH05018	18	1	9	10	3	6	4	7	-	-
A 1M 2MYH05020	20	2	10	11	4	8	4	-	5	2.4
A 1M 2MYH05024	24	2	12	13	4	8	4	-	5	1.8
A 1M 2MYH05025	25	2	12.5	13.5	4	8	4	-	6	1.8
A 1M 2MYH05028	28	2	14	15	4	8	4	-	6	1.8
A 1M 2MYH05030	30	2	15	16	5	10	4	-	7	1.8
A 1M 2MYH05032	32	2	16	17	5	10	4	-	7	1.8
A 1M 2MYH05035	35	2	17.5	18.5	5	10	4	-	7	1.8
A 1M 2MYH05036	36	2	18	19	5	10	4	-	7	1.8
A 1M 2MYH05040	40	2	20	21	5	12	4	-	8	1.8
A 1M 2MYH05045	45	2	22.5	23.5	5	12	4	-	8	1.8
A 1M 2MYH05048	48	2	24	25	5	12	4	-	8	1.8
A 1M 2MYH05050	50	2	25	26	5	12	4	-	8	1.8
A 1M 2MYH05056	56	2	28	29	6	14	5	-	10	1.8
A 1M 2MYH05060	60	2	30	31	6	14	5	-	10	1.8
A 1M 2MYH05064	64	2	32	33	6	14	5	-	10	1.8
A 1M 2MYH05070	70	2	35	36	6	14	5	-	10	1.8
A 1M 2MYH05072	72	2	36	37	6	14	5	-	10	1.8
A 1M 2MYH05080	80	2	40	41	6	14	5	-	10	1.8

NONMETALLIC HUBLESS SPUR GEARS • MODULE 0.5

SDP/SI

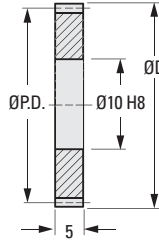
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ISO CLASS 7
 5 mm FACE WIDTH
 10 mm BORE
 20° PRESSURE ANGLE



MATERIAL:
 Gear – Acetal

Available as special order:
 14-1/2° P.A., teeth not listed
 or different bore size, or
 assembled onto Fairloc® Integral
 Fastener hub or pin type hub.



METRIC COMPONENT CATALOG NUMBER

S 1 2 M 0 5 M N 0 5 1 0

No. of
 Teeth
 Code

No. of Teeth Code	No. of Teeth	P.D.	D Dia.
028	28	14	15
029	29	14.5	15.5
030	30	15	16
032	32	16	17
036	36	18	19
040	40	20	21
044	44	22	23
045	45	22.5	23.5
048	48	24	25
050	50	25	26
056	56	28	29
060	60	30	31
064	64	32	33
068	68	34	35
070	70	35	36
072	72	36	37
075	75	37.5	38.5
080	80	40	41
084	84	42	43
090	90	45	46
092	92	46	47
096	96	48	49
100	100	50	51
110	110	55	56
120	120	60	61
138	138	69	70
144	144	72	73
168	168	84	85
180	180	90	91
186	186	93	94

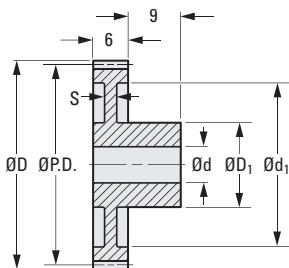


6 mm FACE WIDTH
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

> MATERIAL:

Acetal

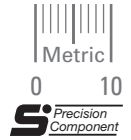


- I
- R
- T
- 1**
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- A

METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore Dia.	D ₁ Hub Dia.	S	d ₁ Dia.
A 1M 2MYZ07012	12	8.4	9.8	3	6	—	—
A 1M 2MYZ07013	13	9.1	10.5	3	6	—	—
A 1M 2MYZ07014	14	9.8	11.2	3	6	—	—
A 1M 2MYZ07015	15	10.5	11.9	3	6	—	—
A 1M 2MYZ07016	16	11.2	12.6	4	9	—	—
A 1M 2MYZ07017	17	11.9	13.3	4	9	—	—
A 1M 2MYZ07018	18	12.6	14	4	9	—	—
A 1M 2MYZ07019	19	13.3	14.7	4	9	—	—
A 1M 2MYZ07020	20	14	15.4	4	9	—	—
A 1M 2MYZ07021	21	14.7	16.1	4	9	—	—
A 1M 2MYZ07022	22	15.4	16.8	4	9	—	—
A 1M 2MYZ07023	23	16.1	17.5	4	9	—	—
A 1M 2MYZ07024	24	16.8	18.2	4	9	3	13.5
A 1M 2MYZ07025	25	17.5	18.9	6	9	3	13.5
A 1M 2MYZ07026	26	18.2	19.6	6	9	3	13.5
A 1M 2MYZ07027	27	18.9	20.3	6	9	3	13.5
A 1M 2MYZ07028	28	19.6	21	6	9	3	13.5
A 1M 2MYZ07030	30	21	22.4	6	12	3	16
A 1M 2MYZ07032	32	22.4	23.8	6	12	3	16
A 1M 2MYZ07035	35	24.5	25.9	6	15	3	19
A 1M 2MYZ07036A	36	25.5	26.9	4	15	3	19
A 1M 2MYZ07036	36	25.5	26.9	6	15	3	19
A 1M 2MYZ07038	38	26.6	28	6	15	3	21.5
A 1M 2MYZ07040	40	28	29.4	6	15	3	21.5
A 1M 2MYZ07042	42	29.4	30.8	6	18	2	24.5
A 1M 2MYZ07045	45	31.5	32.9	6	18	2	24.5
A 1M 2MYZ07048	48	33.6	35	8	18	2	24.5
A 1M 2MYZ07050	50	35	36.4	8	18	2	28
A 1M 2MYZ07052	52	36.4	37.8	8	18	2	28
A 1M 2MYZ07054	54	37.8	39.2	8	18	2	28
A 1M 2MYZ07055	55	38.5	39.9	8	18	2	31
A 1M 2MYZ07056	56	39.2	40.6	8	18	2	31
A 1M 2MYZ07060	60	42	43.4	8	18	2	31
A 1M 2MYZ07064	64	44.8	46.2	8	18	2	37.5
A 1M 2MYZ07065	65	45.5	46.9	8	18	2	37.5
A 1M 2MYZ07070	70	49	50.4	8	18	2	37.5
A 1M 2MYZ07072	72	50.4	51.8	8	18	2	37.5
A 1M 2MYZ07075	75	52.5	53.9	10	18	2	37.5
A 1M 2MYZ07080	80	56	57.4	10	21	2	47
A 1M 2MYZ07090	90	63	64.4	10	21	2	56.5
A 1M 2MYZ07096	96	67.2	68.6	10	21	2	56.5
A 1M 2MYZ07100	100	70	71.4	10	21	2	56.5
A 1M 2MYZ07120	120	84	85.4	10	21	2	77

ISO CLASS 7
5 mm FACE WIDTH
5 & 8 mm BORE
20° PRESSURE ANGLE

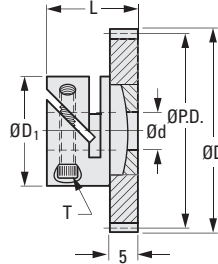


> MATERIAL:
Gear – Acetal
Hub – 303 Stainless Steel

> SPECIFICATIONS:
For Fairloc® Type Hub Gear

d Bore Ref.	T	D ₁	L
5	M2.5	14	13.5
8	M3	17	14.8

Available as special order:
14-1/2° P.A., teeth not listed
or different bore size, or
assembled onto pin type hub.



METRIC COMPONENT CATALOG NUMBER

S 1 V Z 0 8 M T 0 5

No. of
Teeth
Code

Bore Code	d Bore
05	5 (H7)
08	8 (H7)

No. of Teeth Code	No. of Teeth	P.D.	D Dia.
020	20	16	17.6
021	21	16.8	18.4
023	23	18.4	20
024	24	19.2	20.8
025	25	20	21.6
026	26	20.8	22.4
028	28	22.4	24
030	30	24	25.6
032	32	25.6	27.2
036	36	28.8	30.4
040	40	32	33.6
042	42	33.6	35.2
044	44	35.2	36.8
045	45	36	37.6
046	46	36.8	38.4
048	48	38.4	40
050	50	40	41.6
052	52	41.6	43.2
056	56	44.8	46.4
060	60	48	49.6
064	64	51.2	52.8
066	66	52.8	54.4
072	72	57.6	59.2
080	80	64	65.6
084	84	67.2	68.8
088	88	70.4	72
090	90	72	73.6
092	92	73.6	75.2
096	96	76.8	78.4
100	100	80	81.6
104	104	83.2	84.8
108	108	86.4	88
112	112	89.6	91.2
124	124	99.2	100.8

ISO CLASS 7
5 mm FACE WIDTH
5 & 8 mm BORE
20° PRESSURE ANGLE

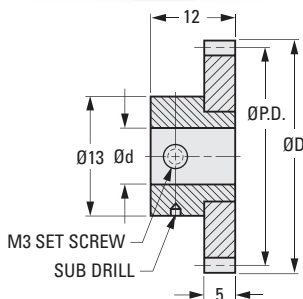
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> MATERIAL:

Gear – Acetal
Hub – 303 Stainless Steel

> SPECIFICATIONS:

Available as special order:
14-1/2° P.A., teeth not listed
or different bore size, or assembled
onto Fairloc® Integral Fastener Hub.



METRIC COMPONENT CATALOG NUMBER

S 1 0 Z 0 8 M T 0 5

No. of
Teeth
Code

Bore Code	d Bore
05	5 (H7)
08	8 (H7)

No. of Teeth Code	No. of Teeth	P.D.	D Dia.
020	20	16	17.6
021	21	16.8	18.4
023	23	18.4	20
024	24	19.2	20.8
025	25	20	21.6
026	26	20.8	22.4
028	28	22.4	24
030	30	24	25.6
032	32	25.6	27.2
036	36	28.8	30.4
040	40	32	33.6
042	42	33.6	35.2
044	44	35.2	36.8
045	45	36	37.6
046	46	36.8	38.4
048	48	38.4	40
050	50	40	41.6
052	52	41.6	43.2
056	56	44.8	46.4
060	60	48	49.6
064	64	51.2	52.8
066	66	52.8	54.4
072	72	57.6	59.2
080	80	64	65.6
084	84	67.2	68.8
088	88	70.4	72
090	90	72	73.6
092	92	73.6	75.2
096	96	76.8	78.4
100	100	80	81.6
104	104	83.2	84.8
108	108	86.4	88
112	112	89.6	91.2
124	124	99.2	100.8

NONMETALLIC SPUR GEARS • MODULE 0.8

SDP/SI

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ISO CLASS 9
3 mm FACE WIDTH
20° PRESSURE ANGLE



QUALITY CLASS

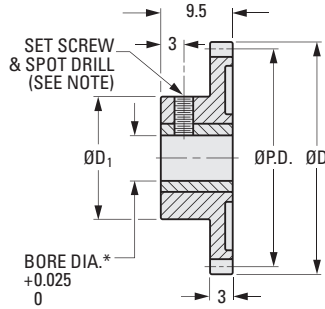


> MATERIAL:

Gear – Acetal
Insert – Brass

> SPECIFICATION:

Gears under 40 teeth have no webs.



METRIC COMPONENT CATALOG NUMBER

A 1 P 2 M Y D 0 8

No. of Teeth Code

*** BORE CODE**

- A** 3 mm Dia.
- B** 4 mm Dia.
- C** 5 mm Dia.
- D** 6 mm Dia.

No. of Teeth Code	No. of Teeth	P.D.	D Dia.	D ₁ Hub Dia.
020	20	16	17.6	13
022	22	17.6	19.2	13
024	24	19.2	20.8	13
025	25	20	21.6	13
026	26	20.8	22.4	13
028	28	22.4	24	13
030	30	24	25.6	16
032	32	25.6	27.2	16
034	34	27.2	28.8	16
035	35	28	29.6	16
036	36	28.8	30.4	16
038	38	30.4	32	16
040	40	32	33.6	16
042	42	33.6	35.2	16

No. of Teeth Code	No. of Teeth	P.D.	D Dia.	D ₁ Hub Dia.
044	44	35.2	36.8	16
045	45	36	37.6	16
048	48	38.4	40	19
050	50	40	41.6	19
052	52	41.6	43.2	19
055	55	44	45.6	19
056	56	44.8	46.4	19
060	60	48	49.6	19
064	64	51.2	52.8	19
065	65	52	53.6	19
070	70	56	57.6	19
072	72	57.6	59.2	19
075	75	60	61.6	19
080	80	64	65.6	19

NOTE: Gears with 3 mm & 4 mm bore have M2.5 set screw & spot drill.
5 mm & 6 mm bore have M3 set screw & spot drill.

1-108



Request Info



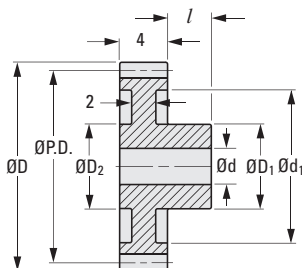
1-800-453-1692

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4 mm FACE WIDTH
20° PRESSURE ANGLE

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> MATERIAL:
Acetal



METRIC COMPONENT

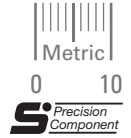
Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore Dia.	D ₁ Hub Dia.	l Hub Proj.	d ₁ Dia.	D ₂
A 1M 2MYH08012	12	9.6	11.2	3	6	5	7	4
A 1M 2MYH08015	15	12	13.6	3	6	5	9	4.5
A 1M 2MYH08016	16	12.8	14.4	4	8	5	9	6
A 1M 2MYH08018	18	14.4	16	4	8	5	11	6
A 1M 2MYH08020	20	16	17.6	5	10	5	13	8
A 1M 2MYH08024	24	19.2	20.8	5	10	5	15.5	8
A 1M 2MYH08025	25	20	21.6	5	10	5	15.5	8
A 1M 2MYH08028	28	22.4	24	5	10	5	19	8
A 1M 2MYH08030	30	24	25.6	6	12	5	20	10
A 1M 2MYH08032	32	25.6	27.2	6	12	5	22	10
A 1M 2MYH08035	35	28	29.6	6	12	5	24	10
A 1M 2MYH08036	36	29.8	30.4	6	12	5	25	10
A 1M 2MYH08040	40	32	33.6	6	12	5	28	10
A 1M 2MYH08045	45	36	37.6	6	12	5	32	10
A 1M 2MYH08048	48	38.4	40	6	15	6	34	11.7
A 1M 2MYH08050	50	40	41.6	6	15	6	36	11.7
A 1M 2MYH08056	56	44.8	46.4	6	15	6	41	11.7
A 1M 2MYH08060	60	48	49.6	6	15	6	44	11.7
A 1M 2MYH08064	64	51.2	52.8	6	16	6	47.5	11.7
A 1M 2MYH08070	70	56	57.6	6	16	6	52	11.7
A 1M 2MYH08072	72	57.6	59.2	6	16	6	54	11.7
A 1M 2MYH08080	80	64	65.6	6	16	6	60	11.7

NONMETALLIC HUBLESS SPUR GEARS • MODULE 0.8

SDP/SI

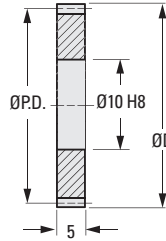
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ISO CLASS 7
5 mm FACE WIDTH
10 mm BORE
20° PRESSURE ANGLE



> MATERIAL:
Gear – Acetal

Available as special order:
14-1/2° P.A., teeth not listed
or different bore size, or
assembled onto Fairloc® Integral
Fastener Hub or pin type hub.



METRIC COMPONENT CATALOG NUMBER

S 1 2 M 0 8 M N 0 5 1 0

No. of
Teeth
Code

No. of Teeth Code	No. of Teeth	P.D.	D Dia.
020	20	16	17.6
021	21	16.8	18.4
023	23	18.4	20
024	24	19.2	20.8
025	25	20	21.6
026	26	20.8	22.4
028	28	22.4	24
030	30	24	25.6
032	32	25.6	27.2
036	36	28.8	30.4
040	40	32	33.6
042	42	33.6	35.2
044	44	35.2	36.8
045	45	36	37.6
046	46	36.8	38.4
048	48	38.4	40
050	50	40	41.6
052	52	41.6	43.2
056	56	44.8	46.4
060	60	48	49.6
064	64	51.2	52.8
066	66	52.8	54.4
072	72	57.6	59.2
080	80	64	65.6
084	84	67.2	68.8
088	88	70.4	72
090	90	72	73.6
092	92	73.6	75.2
096	96	76.8	78.4
100	100	80	81.6
104	104	83.2	84.8
108	108	86.4	88
112	112	89.6	91.2
124	124	99.2	100.8

1-110

ADE
Above Board Electronics, Inc.

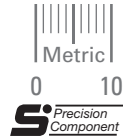
Request Info
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1-800-453-1692

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ISO CLASS 7
 5 mm FACE WIDTH
 5 & 8 mm BORE
 20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM



> MATERIAL:

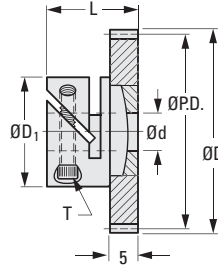
Gear – Acetal
Hub – 303 Stainless Steel

> SPECIFICATIONS:

For Fairloc® Type Hub Gear

d Bore Ref.	T	D ₁	L
5	M2.5	14	13.5
8	M3	17	14.8

Available as special order:
 14-1/2° P.A., teeth not listed
 or different bore size, or
 assembled onto pin type hub.



METRIC COMPONENT CATALOG NUMBER

S 1 V Z 1 0 M T 0 5

No. of Teeth Code

Bore Code	d Bore
05	5 (H7)
08	8 (H7)

No. of Teeth Code	No. of Teeth	P.D.	D Dia.
015	15	15	17
016	16	16	18
018	18	18	20
020	20	20	22
021	21	21	23
022	22	22	24
023	23	23	25
024	24	24	26
025	25	25	27
028	28	28	30
030	30	30	32
032	32	32	34
035	35	35	37
036	36	36	38
040	40	40	42
042	42	42	44
045	45	45	47
046	46	46	48
048	48	48	50
050	50	50	52
052	52	52	54
056	56	56	58
060	60	60	62
064	64	64	66
066	66	66	68
069	69	69	71
070	70	70	72
072	72	72	74
078	78	78	80
080	80	80	82
084	84	84	86
090	90	90	92
093	93	93	95
100	100	100	102

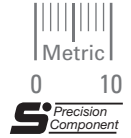
- I
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- 14
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- A

NONMETALLIC PIN TYPE HUB SPUR GEARS • MODULE 1

SDP/SI

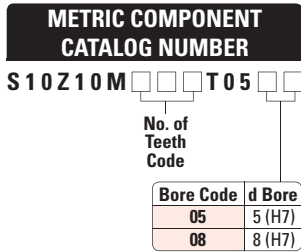
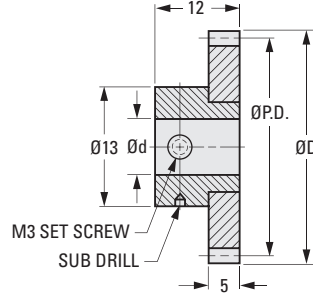
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ISO CLASS 7
 5 mm FACE WIDTH
 5 & 8 mm BORE
 20° PRESSURE ANGLE



> MATERIAL:
 Gear – Acetal
 Hub – 303 Stainless Steel

> SPECIFICATIONS:
 Available as special order:
 14-1/2° P.A., teeth not listed
 or different bore size, or assembled
 onto Fairloc® Integral Fastener Hub.



No. of Teeth Code	No. of Teeth	P.D.	D Dia.
015	15	15	17
016	16	16	18
018	18	18	20
020	20	20	22
021	21	21	23
022	22	22	24
023	23	23	25
024	24	24	26
025	25	25	27
028	28	28	30
030	30	30	32
032	32	32	34
035	35	35	37
036	36	36	38
040	40	40	42
042	42	42	44
045	45	45	47
046	46	46	48
048	48	48	50
050	50	50	52
052	52	52	54
056	56	56	58
060	60	60	62
064	64	64	66
066	66	66	68
069	69	69	71
070	70	70	72
072	72	72	74
078	78	78	80
080	80	80	82
084	84	84	86
090	90	90	92
093	93	93	95
100	100	100	102

1-112

ISO CLASS 9
 10 mm FACE WIDTH
 20° PRESSURE ANGLE

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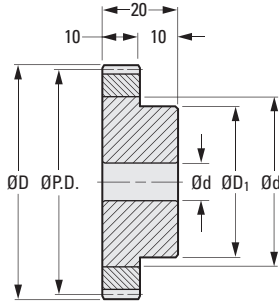


> MATERIAL:

- Core – 303 Stainless Steel
- Gear – Machined from Cast Nylon Blanks

> CAUTION:

The holding strength between the core and the nylon may be less than the ultimate gear strength.



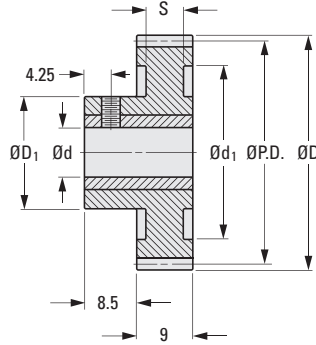
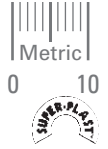
METRIC COMPONENT

Catalog Number	No. of Teeth	d Bore H7	d Tolerance	P.D.	D Dia.	d ₁ Core Dia.	D ₁ Hub Dia.
S10N10M030P1008	30	8	+0.015/0	30	32	20	20
S10N10M035P1008	35	8	+0.015/0	35	37	25	25
S10N10M040P1010	40	10	+0.015/0	40	42	28	25
S10N10M050P1010	50	10	+0.015/0	50	52	34	30
S10N10M060P1010	60	10	+0.015/0	60	62	45	40
S10N10M080P1010	80	10	+0.015/0	80	82	45	40

NOTE: When core diameter is the same as the hub diameter, there may be serrations on the hub.

9 mm FACE WIDTH
20° PRESSURE ANGLE

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METRIC COMPONENT

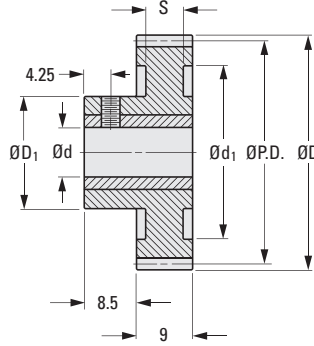
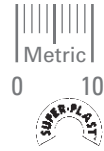
Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore +0.025 0	D ₁ Hub Dia.	S	d ₁ Dia.	Set Screw
A 1Z 2MYZ1002404	24	24	26	4	15	6	19	M2.5
A 1Z 2MYZ1002405	24	24	26	5	15	6	19	M2.5
A 1Z 2MYZ1002406	24	24	26	6	15	6	19	M3
A 1Z 2MYZ1002408	24	24	26	8	15	6	19	M4
A 1Z 2MYZ1002505	25	25	27	5	15	6	19	M2.5
A 1Z 2MYZ1002506	25	25	27	6	15	6	19	M3
A 1Z 2MYZ1002508	25	25	27	8	15	6	19	M4
A 1Z 2MYZ1002605	26	26	28	5	15	6	19	M2.5
A 1Z 2MYZ1002606	26	26	28	6	15	6	19	M3
A 1Z 2MYZ1002608	26	26	28	8	15	6	19	M4
A 1Z 2MYZ1002705	27	27	29	5	15	6	19	M2.5
A 1Z 2MYZ1002706	27	27	29	6	15	6	19	M3
A 1Z 2MYZ1002708	27	27	29	8	15	6	19	M4
A 1Z 2MYZ1002805	28	28	30	5	15	6	22	M2.5
A 1Z 2MYZ1002806	28	28	30	6	15	6	22	M3
A 1Z 2MYZ1002808	28	28	30	8	15	6	22	M4
A 1Z 2MYZ1003005	30	30	32	5	15	6	22	M2.5
A 1Z 2MYZ1003006	30	30	32	6	15	6	22	M3
A 1Z 2MYZ1003008	30	30	32	8	15	6	22	M4
A 1Z 2MYZ1003205	32	32	34	5	18	4.6	24.5	M2.5
A 1Z 2MYZ1003206	32	32	34	6	18	4.6	24.5	M3
A 1Z 2MYZ1003208	32	32	34	8	18	4.6	24.5	M4
A 1Z 2MYZ1003505	35	35	37	5	18	4.6	24.5	M2.5
A 1Z 2MYZ1003506	35	35	37	6	18	4.6	24.5	M3
A 1Z 2MYZ1003508	35	35	37	8	18	4.6	24.5	M4

Continued on the next page

9 mm FACE WIDTH
20° PRESSURE ANGLE

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► **MATERIAL:**
Gear – Acetal
Insert – Brass



METRIC COMPONENT

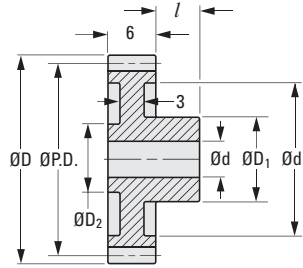
Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore +0.025 0	D ₁ Hub Dia.	S	d ₁ Dia.	Set Screw
A 1Z 2MYZ1003605	36	36	38	5	18	4.6	28	M2.5
A 1Z 2MYZ1003606	36	36	38	6	18	4.6	28	M3
A 1Z 2MYZ1003608	36	36	38	8	18	4.6	28	M4
A 1Z 2MYZ1003805	38	38	40	5	18	4.6	28	M2.5
A 1Z 2MYZ1003806	38	38	40	6	18	4.6	28	M3
A 1Z 2MYZ1003808	38	38	40	8	18	4.6	28	M4
A 1Z 2MYZ1004006	40	40	42	6	18	4.6	28	M3
A 1Z 2MYZ1004008	40	40	42	8	18	4.6	28	M4
A 1Z 2MYZ1004206	42	42	44	6	18	4.6	28	M3
A 1Z 2MYZ1004208	42	42	44	8	18	4.6	37	M4
A 1Z 2MYZ1004506	45	45	47	6	18	4.6	37	M3
A 1Z 2MYZ1004508	45	45	47	8	18	4.6	37	M4
A 1Z 2MYZ1004806	48	48	50	6	18	4.6	37	M3
A 1Z 2MYZ1004808	48	48	50	8	18	4.6	37	M4
A 1Z 2MYZ1005006	50	50	52	6	18	4.6	37	M3
A 1Z 2MYZ1005008	50	50	52	8	18	4.6	37	M4
A 1Z 2MYZ1005206	52	52	54	6	21	4.6	47	M3
A 1Z 2MYZ1005208	52	52	54	8	21	4.6	47	M4
A 1Z 2MYZ1005406	54	54	56	6	21	4.6	47	M3
A 1Z 2MYZ1005408	54	54	56	8	21	4.6	47	M4
A 1Z 2MYZ1005506	55	55	57	6	21	4.6	47	M3
A 1Z 2MYZ1005508	55	55	57	8	21	4.6	47	M4
A 1Z 2MYZ1005606	56	56	58	6	21	4.6	47	M3
A 1Z 2MYZ1005608	56	56	58	8	21	4.6	47	M4
A 1Z 2MYZ1005806	58	58	60	6	21	4.6	47	M3
A 1Z 2MYZ1005808	58	58	60	8	21	4.6	47	M4
A 1Z 2MYZ1006006	60	60	62	6	21	4.6	47	M3
A 1Z 2MYZ1006008	60	60	62	8	21	4.6	47	M4

Continued from the previous page

6 mm FACE WIDTH
20° PRESSURE ANGLE

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> MATERIAL:
Acetal



METRIC COMPONENT

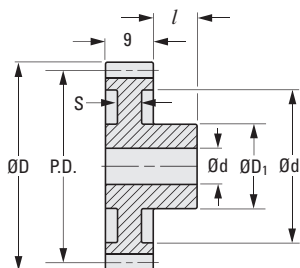
Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore Dia.	D ₁ Hub Dia.	l Hub Proj.	d ₁ Dia.	D ₂ Dia.
A 1M 2MYH10012	12	12	14	4	8	6	8.5	6
A 1M 2MYH10015	15	15	17	4	8	6	11	7
A 1M 2MYH10016	16	16	18	5	10	6	11.5	8
A 1M 2MYH10018	18	18	20	5	10	6	13.5	8
A 1M 2MYH10020	20	20	22	5	11.7	6	15	9
A 1M 2MYH10024	24	24	26	5	11.7	6	17	9
A 1M 2MYH10025	25	25	27	5	11.7	6	20	9
A 1M 2MYH10028	28	28	30	5	11.7	6	23	9
A 1M 2MYH10030	30	30	32	6	14	6	24	12
A 1M 2MYH10032	32	32	34	6	14	6	26.5	12
A 1M 2MYH10035	35	35	37	6	14	6	29	12
A 1M 2MYH10036	36	36	38	6	14	6	30	12
A 1M 2MYH10040	40	40	42	8	16	6	34	14
A 1M 2MYH10045	45	45	47	8	16	6	39.5	14
A 1M 2MYH10048	48	48	50	8	16	8	40	14
A 1M 2MYH10050	50	50	52	8	16	8	42.5	14
A 1M 2MYH10056	56	56	58	8	18	8	48.5	15.6
A 1M 2MYH10060	60	60	62	8	18	8	52.5	15.6
A 1M 2MYH10064	64	64	66	8	18	8	56.5	15.6
A 1M 2MYH10070	70	70	72	8	18	8	62.5	15.6
A 1M 2MYH10072	72	72	74	8	18	8	64	15.6
A 1M 2MYH10080	80	80	82	8	18	8	72.5	15.6

9 mm FACE WIDTH
20° PRESSURE ANGLE

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> MATERIAL:
Acetal



METRIC COMPONENT

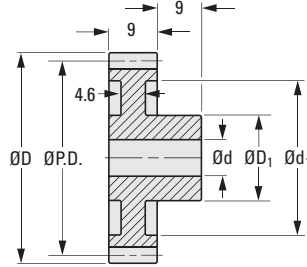
Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore	D ₁ Hub Dia.	l Hub Proj.	S	d ₁ Dia.
A 1M 2MYZ10012	12	12	14	4	9	8	—	—
A 1M 2MYZ10012A	12	12	14	6	9	8	—	—
A 1M 2MYZ10013	13	13	15	4	9	8	—	—
A 1M 2MYZ10013A	13	13	15	6	9	8	—	—
A 1M 2MYZ10014	14	14	16	4	9	8	—	—
A 1M 2MYZ10015	15	15	17	4	9	8	—	—
A 1M 2MYZ10015A	15	15	17	6	9	8	—	—
A 1M 2MYZ10016	16	16	18	4	9	8	—	—
A 1M 2MYZ10017	17	17	19	4	9	8	6	12
A 1M 2MYZ10018	18	18	20	4	9	8	6	13.5
A 1M 2MYZ10018A	18	18	20	6	9	8	6	13.5
A 1M 2MYZ10019	19	19	21	4	9	8	6	13.5
A 1M 2MYZ10020	20	20	22	4	9	8	6	13.5
A 1M 2MYZ10020A	20	20	22	5	12	8	6	13.5
A 1M 2MYZ10021	21	21	23	5	12	8	6	16
A 1M 2MYZ10022	22	22	24	5	12	8	6	16
A 1M 2MYZ10023	23	23	25	5	12	8	6	16
A 1M 2MYZ10024	24	24	26	6	15	9	6	19
A 1M 2MYZ10025	25	25	27	6	15	9	6	19
A 1M 2MYZ10026	26	26	28	6	15	9	6	19
A 1M 2MYZ10027	27	27	29	6	15	9	6	19
A 1M 2MYZ10028	28	28	30	6	15	9	6	22
A 1M 2MYZ10030	30	30	32	6	15	9	6	22
A 1M 2MYZ10030A	30	30	32	10	15	9	6	22
A 1M 2MYZ10032	32	32	34	6	18	9	4.6	24.5
A 1M 2MYZ10035	35	35	37	8	18	9	4.6	24.5
A 1M 2MYZ10036	36	36	38	8	18	9	4.6	28

Continued on the next page

9 mm FACE WIDTH
20° PRESSURE ANGLE

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► **MATERIAL:**
Acetal



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore Dia.	D ₁ Hub Dia.	d ₁ Dia.
A 1M 2MYZ10038	38	38	40	8	18	28
A 1M 2MYZ10040A	40	40	42	6	18	28
A 1M 2MYZ10040	40	40	42	8	18	28
A 1M 2MYZ10040B	40	40	42	10	18	28
A 1M 2MYZ10042	42	42	44	8	18	28
A 1M 2MYZ10045	45	45	47	8	18	37
A 1M 2MYZ10048	48	48	50	8	18	37
A 1M 2MYZ10050	50	50	52	8	18	37
A 1M 2MYZ10052	52	52	54	8	21	47
A 1M 2MYZ10054	54	54	56	8	21	47
A 1M 2MYZ10055	55	55	57	8	21	47
A 1M 2MYZ10056	56	56	58	8	21	47
A 1M 2MYZ10058	58	58	60	8	21	47
A 1M 2MYZ10060	60	60	62	8	21	47
A 1M 2MYZ10064	64	64	66	10	21	57
A 1M 2MYZ10065	65	65	67	10	21	57
A 1M 2MYZ10070	70	70	72	10	21	57
A 1M 2MYZ10072	72	72	74	10	21	67
A 1M 2MYZ10075A	75	75	77	8	21	67
A 1M 2MYZ10075	75	75	77	10	21	67
A 1M 2MYZ10080	80	80	82	10	21	67
A 1M 2MYZ10085	85	85	87	10	21	77
A 1M 2MYZ10090	90	90	92	10	21	77
A 1M 2MYZ10100	100	100	102	12	24	87
A 1M 2MYZ10110	110	110	112	12	24	97
A 1M 2MYZ10120	120	120	122	12	24	107
A 1M 2MYZ10130	130	130	132	12	24	115
A 1M 2MYZ10140	140	140	142	12	24	125

Continued from the previous page

ISO CLASS 9
10 mm FACE WIDTH
20° PRESSURE ANGLE

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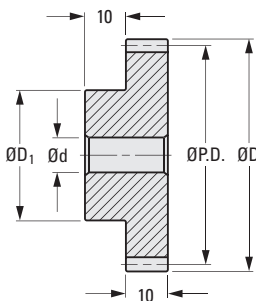


> MATERIAL:

Machined from Cast Nylon Blanks

> SPECIFICATION:

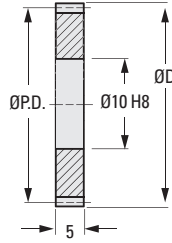
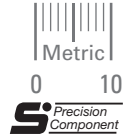
Bore tolerance is H8 (+0.022/0) at time of cutting.



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H8 (+0.022/0)	D ₁ Hub Dia.
A 1P 2MYH10015	15	15	17	6	12
A 1P 2MYH10016	16	16	18	6	12
A 1P 2MYH10018	18	18	20	6	14
A 1P 2MYH10020	20	20	22	6	16
A 1P 2MYH10022	22	22	24	8	18
A 1P 2MYH10024	24	24	26	8	20
A 1P 2MYH10025	25	25	27	8	20
A 1P 2MYH10026	26	26	28	8	20
A 1P 2MYH10028	28	28	30	8	22
A 1P 2MYH10030	30	30	32	8	25
A 1P 2MYH10032	32	32	34	8	26
A 1P 2MYH10035	35	35	37	8	26
A 1P 2MYH10036	36	36	38	8	28
A 1P 2MYH10040	40	40	42	10	35
A 1P 2MYH10045	45	45	47	10	35
A 1P 2MYH10048	48	48	50	10	35
A 1P 2MYH10050	50	50	52	10	35
A 1P 2MYH10055	55	55	57	10	35
A 1P 2MYH10060	60	60	62	10	35
A 1P 2MYH10065	65	65	67	10	35
A 1P 2MYH10070	70	70	72	10	40
A 1P 2MYH10075	75	75	77	10	40
A 1P 2MYH10080	80	80	82	10	40
A 1P 2MYH10085	85	85	87	10	40
A 1P 2MYH10090	90	90	92	10	40
A 1P 2MYH10095	90	90	97	10	40
A 1P 2MYH10100	100	100	102	10	40

ISO CLASS 7
5 mm FACE WIDTH
10 mm BORE
20° PRESSURE ANGLE



> MATERIAL:
Gear – Acetal

Available as special order:
14-1/2° P.A., teeth not listed
or different bore size, or
assembled onto Fairloc® Integral
Fastener hub or pin type hub.

**METRIC COMPONENT
CATALOG NUMBER**

S 1 2 M 1 0 M N 0 5 1 0

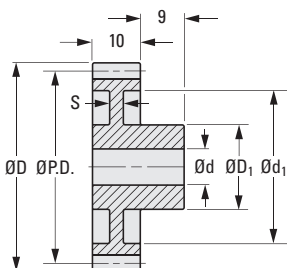
No. of
Teeth
Code

No. of Teeth Code	No. of Teeth	P.D.	D Dia.
015	15	15	17
016	16	16	18
018	18	18	20
020	20	20	22
021	21	21	23
022	22	22	24
023	23	23	25
024	24	24	26
025	25	25	27
028	28	28	30
030	30	30	32
032	32	32	34
035	35	35	37
036	36	36	38
040	40	40	42
042	42	42	44
045	45	45	47
046	46	46	48
048	48	48	50
050	50	50	52
052	52	52	54
056	56	56	58
060	60	60	62
064	64	64	66
066	66	66	68
069	69	69	71
070	70	70	72
072	72	72	74
078	78	78	80
080	80	80	82
084	84	84	86
090	90	90	92
093	93	93	95
100	100	100	102

10 mm FACE WIDTH
20° PRESSURE ANGLE

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➤ MATERIAL:
Acetal



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METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore Dia.	D ₁ Hub Dia.	S	d ₁ Dia.
A 1M 2MYZ12012	12	15	17.5	5	9	—	—
A 1M 2MYZ12013	13	16.25	18.75	5	9	—	—
A 1M 2MYZ12014	14	17.5	20	5	9	—	—
A 1M 2MYZ12015	15	18.75	21.25	5	9	7	13.5
A 1M 2MYZ12016	16	20	22.5	5	9	7	13.5
A 1M 2MYZ12017	17	21.25	23.75	5	9	7	13.5
A 1M 2MYZ12018	18	22.5	25	5	12	7	16
A 1M 2MYZ12019	19	23.75	26.25	5	12	7	16
A 1M 2MYZ12020	20	25	27.5	5	12	7	16
A 1M 2MYZ12021	21	26.25	28.75	6	15	7	19
A 1M 2MYZ12022	22	27.5	30	6	15	7	19
A 1M 2MYZ12023	23	28.75	31.25	6	15	7	19
A 1M 2MYZ12024	24	30	32.5	6	15	7	21.5
A 1M 2MYZ12025	25	31.25	33.75	6	15	7	21.5
A 1M 2MYZ12026	26	32.5	35	6	18	5.5	24
A 1M 2MYZ12027	27	33.75	36.25	6	18	5.5	24
A 1M 2MYZ12028	28	35	37.5	8	18	5.5	24
A 1M 2MYZ12030	30	37.5	40	8	18	5.5	28
A 1M 2MYZ12032	32	40	42.5	8	18	5.5	28
A 1M 2MYZ12035	35	43.75	46.25	8	18	5.5	28
A 1M 2MYZ12036	36	45	47.5	8	18	5.5	37.5
A 1M 2MYZ12038	38	47.5	50	8	18	5.5	37.5
A 1M 2MYZ12040	40	50	52.5	8	18	5.5	37.5
A 1M 2MYZ12042	42	52.5	55	8	18	5.5	37.5
A 1M 2MYZ12045	45	56.25	58.75	8	21	5.5	47.5
A 1M 2MYZ12048	48	60	62.5	8	21	5.5	47.5
A 1M 2MYZ12050	50	62.5	65	8	21	5.5	47.5
A 1M 2MYZ12052	52	65	67.5	10	21	5.5	57
A 1M 2MYZ12054	54	67.5	70	10	21	5.5	57
A 1M 2MYZ12055	55	68.75	71.25	10	21	5.5	57
A 1M 2MYZ12056	56	70	72.5	10	21	5.5	57
A 1M 2MYZ12060	60	75	77.5	10	21	5.5	67
A 1M 2MYZ12064	64	80	82.5	10	21	5.5	67
A 1M 2MYZ12065	65	81.25	83.75	10	21	5.5	67
A 1M 2MYZ12070	70	87.5	90	10	21	5.5	77
A 1M 2MYZ12072	72	90	92.5	12	21	5.5	77
A 1M 2MYZ12075	75	93.75	96.25	10	21	5.5	77
A 1M 2MYZ12080	80	100	102.5	12	24	5.5	87
A 1M 2MYZ12090	90	112.5	115	12	24	5.5	97
A 1M 2MYZ12100	100	125	127.5	12	24	5.5	107
A 1M 2MYZ12110	110	137.5	140	12	24	5.5	116
A 1M 2MYZ12120	120	150	152.5	14	30	5.5	135

NONMETALLIC NYLON SPUR GEARS • MODULE 1.5

SDP/SI

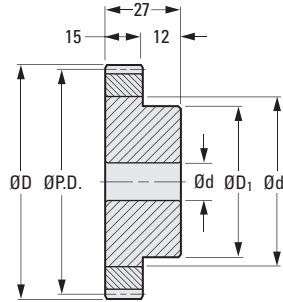
ISO CLASS 9
15 mm FACE WIDTH
20° PRESSURE ANGLE

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> MATERIAL:
Core – 303 Stainless Steel
Gear – Machined from Cast Nylon Blanks

> CAUTION:
The holding strength between the core and the nylon may be less than the ultimate gear strength.



METRIC COMPONENT

Catalog Number	No. of Teeth	d Bore H7	d Tolerance	P.D.	D Dia.	d ₁ Core Dia.	D ₁ Hub Dia.
S10N15M030P1510	30	10	+0.015/0	45	48	30	30
S10N15M035P1510	35	10	+0.015/0	52.5	55.5	36	33
S10N15M040P1510	40	10	+0.015/0	60	63	45	40
S10N15M050P1512	50	12	+0.018/0	75	78	45	40
S10N15M060P1512	60	12	+0.018/0	90	93	55	50
S10N15M080P1512	80	12	+0.018/0	120	123	85	60

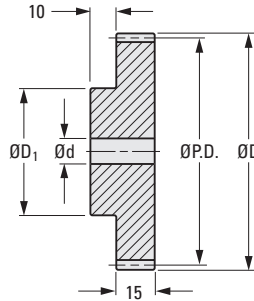
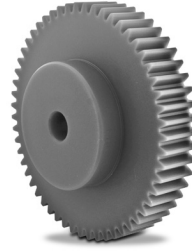
NOTE: When core diameter is the same as the hub diameter, there may be serrations on the hub.

15 mm FACE WIDTH
20° PRESSURE ANGLE

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> MATERIAL:

Machined from Cast Nylon Blanks



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METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H8	d Tolerance	D ₁ Hub Dia.
A 1P 2MYH15015	15	22.5	25.5	8	+0.022/0	18
A 1P 2MYH15016	16	24	27			20
A 1P 2MYH15018	18	27	30			22
A 1P 2MYH15020	20	30	33			24
A 1P 2MYH15022	22	33	36			26
A 1P 2MYH15024	24	36	39			28
A 1P 2MYH15025	25	37.5	40.5			30
A 1P 2MYH15026	26	39	42			32
A 1P 2MYH15028	28	42	45			36
A 1P 2MYH15030	30	45	48			38
A 1P 2MYH15032	32	48	51	40		
A 1P 2MYH15035	35	52.5	55.5	42		
A 1P 2MYH15036	36	54	57	45		
A 1P 2MYH15040	40	60	63	45		
A 1P 2MYH15045	45	67.5	70.5	10	+0.022/0	45
A 1P 2MYH15048	48	72	75			45
A 1P 2MYH15050	50	75	78			45
A 1P 2MYH15055	55	82.5	85.5			45
A 1P 2MYH15060	60	90	93			50
A 1P 2MYH15065	65	97.5	100.5	12	+0.027/0	50
A 1P 2MYH15070	70	105	108			50
A 1P 2MYH15075	75	112.5	115.5			50
A 1P 2MYH15080	80	120	123			55
A 1P 2MYH15085	85	127.5	130.5			55
A 1P 2MYH15090	90	135	138			55
A 1P 2MYH15095	95	142.5	145.5			60
A 1P 2MYH15100	100	150	153			60

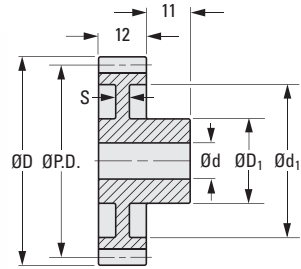


12 mm FACE WIDTH
20° PRESSURE ANGLE

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> MATERIAL:
Acetal



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore Dia.	D ₁ Hub Dia.	S	d ₁ Dia.
A 1M 2MYZ15012	12	18	21	6	14	—	—
A 1M 2MYZ15013	13	19.5	22.5	6	14	—	—
A 1M 2MYZ15014	14	21	24	6	14	—	—
A 1M 2MYZ15015	15	22.5	25.5	6	14	—	—
A 1M 2MYZ15015A	15	22.5	25.5	10	14	—	—
A 1M 2MYZ15016	16	24	27	6	14	—	—
A 1M 2MYZ15017	17	25.5	28.5	6	14	—	—
A 1M 2MYZ15018	18	27	30	8	17	—	—
A 1M 2MYZ15018A	18	27	30	12	17	—	—
A 1M 2MYZ15019	19	28.5	31.5	8	17	—	—
A 1M 2MYZ15020	20	30	33	8	17	—	—
A 1M 2MYZ15020A	20	30	33	10	17	—	—
A 1M 2MYZ15021	21	31.5	34.5	8	17	5	23
A 1M 2MYZ15022	22	33	36	8	17	5	23
A 1M 2MYZ15023	23	34.5	37.5	8	17	5	23
A 1M 2MYZ15024	24	36	39	8	19	5	27
A 1M 2MYZ15025A	25	37.5	40.5	6	19	5	27
A 1M 2MYZ15025	25	37.5	40.5	8	19	5	27
A 1M 2MYZ15026	26	39	42	8	19	5	27
A 1M 2MYZ15027	27	40.5	43.5	8	19	5	27
A 1M 2MYZ15028	28	42	45	8	19	5	27
A 1M 2MYZ15030	30	45	48	10	24	5	35
A 1M 2MYZ15032	32	48	51	10	24	5	35
A 1M 2MYZ15035	35	52.5	55.5	10	24	5	43
A 1M 2MYZ15035A	35	52.5	55.5	12	24	5	43
A 1M 2MYZ15036	36	54	57	10	24	5	43
A 1M 2MYZ15038	38	57	60	10	24	5	43
A 1M 2MYZ15040A	40	60	63	6	24	5	50
A 1M 2MYZ15040	40	60	63	10	24	5	50
A 1M 2MYZ15042	42	63	66	10	24	5	50
A 1M 2MYZ15045	45	67.5	70.5	10	24	5	50
A 1M 2MYZ15048	48	72	75	10	24	5	50
A 1M 2MYZ15050	50	75	78	12	27	5	65
A 1M 2MYZ15052	52	78	81	12	27	5	65
A 1M 2MYZ15054	54	81	84	12	27	5	65
A 1M 2MYZ15055	55	82.5	85.5	12	27	5	65
A 1M 2MYZ15060	60	90	93	12	27	5	65
A 1M 2MYZ15070	70	105	108	14	30	5	90
A 1M 2MYZ15080	80	120	123	14	30	5	106
A 1M 2MYZ15090	90	135	138	14	30	5	118

ISO CLASS 9
 20 mm FACE WIDTH
 20° PRESSURE ANGLE

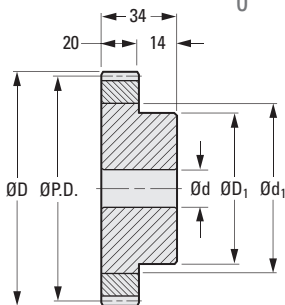
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› MATERIAL:

Core – 303 Stainless Steel
Gear – Machined from Cast Nylon Blanks

› CAUTION:

The holding strength between the core and the nylon may be less than the ultimate gear strength.



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METRIC COMPONENT

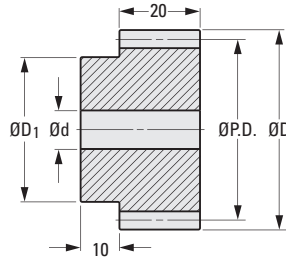
Catalog Number	No. of Teeth	d Bore H7	d Tolerance	P.D.	D Dia.	d ₁ Core Dia.	D ₁ Hub Dia.
S10N20M020P2010	20	10	+0.015/0	40	44	22	22
S10N20M025P2010	25	10	+0.015/0	50	54	30	30
S10N20M030P2010	30	10	+0.015/0	60	64	35	35
S10N20M035P2012	35	12	+0.018/0	70	74	45	40
S10N20M040P2015	40	15	+0.018/0	80	84	60	55
S10N20M050P2015	50	15	+0.018/0	100	104	65	60
S10N20M060P2015	60	15	+0.018/0	120	124	85	60

NOTE: When core diameter is the same as the hub diameter, there may be serrations on the hub.

ISO CLASS 9
20 mm FACE WIDTH
20° PRESSURE ANGLE



> MATERIAL:
Machined from Cast Nylon Blanks



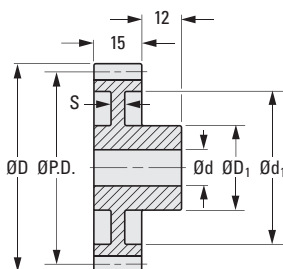
METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H8	d Tolerance	D ₁ Hub Dia.
A 1P 2MYH20012	12	24	28	10	+0.022/0	18
A 1P 2MYH20013	13	26	30	10	+0.022/0	20
A 1P 2MYH20014	14	28	32	10	+0.022/0	20
A 1P 2MYH20015	15	30	34	10	+0.022/0	24
A 1P 2MYH20016	16	32	36	10	+0.022/0	26
A 1P 2MYH20018	18	36	40	10	+0.022/0	30
A 1P 2MYH20020	20	40	44	10	+0.022/0	32
A 1P 2MYH20022	22	44	48	10	+0.022/0	35
A 1P 2MYH20024	24	48	52	10	+0.022/0	38
A 1P 2MYH20025	25	50	54	10	+0.022/0	40
A 1P 2MYH20026	26	52	56	10	+0.022/0	42
A 1P 2MYH20028	28	56	60	10	+0.022/0	45
A 1P 2MYH20030	30	60	64	10	+0.022/0	50

15 mm FACE WIDTH
20° PRESSURE ANGLE

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➤ MATERIAL:
Acetal



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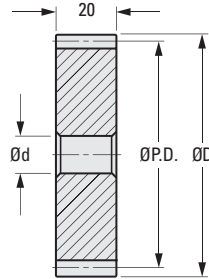
METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore Dia.	D ₁ Hub Dia.	S	d ₁ Dia.
A 1M 2MYZ20012A	12	24	28	6	18.5	—	—
A 1M 2MYZ20012	12	24	28	8	18.5	—	—
A 1M 2MYZ20013	13	26	30	8	18.5	—	—
A 1M 2MYZ20014	14	28	32	8	18.5	—	—
A 1M 2MYZ20015	15	30	34	8	18.5	—	—
A 1M 2MYZ20016	16	32	36	8	17.5	6	23
A 1M 2MYZ20017	17	34	38	8	17.5	6	25
A 1M 2MYZ20018	18	36	40	8	17.5	6	26
A 1M 2MYZ20019	19	38	42	8	17.5	6	28
A 1M 2MYZ20020	20	40	44	10	20	6	29
A 1M 2MYZ20021	21	42	46	10	20	6	29
A 1M 2MYZ20022	22	44	48	10	20	6	29
A 1M 2MYZ20023	23	46	50	10	24	6	36
A 1M 2MYZ20024	24	48	52	10	24	6	36
A 1M 2MYZ20025	25	50	54	10	24	6	36
A 1M 2MYZ20026	26	52	56	10	24	6	40
A 1M 2MYZ20027	27	54	58	10	24	6	40
A 1M 2MYZ20028	28	56	60	10	24	6	40
A 1M 2MYZ20030	30	60	64	10	24	6	46
A 1M 2MYZ20032	32	64	68	10	26	6	46
A 1M 2MYZ20035	35	70	74	12	26	6	56
A 1M 2MYZ20036	36	72	76	12	26	6	56
A 1M 2MYZ20038	38	76	80	12	26	6	64
A 1M 2MYZ20040	40	80	84	12	26	6	64
A 1M 2MYZ20042	42	84	88	12	26	6	64
A 1M 2MYZ20045	45	90	94	14	30	6	70
A 1M 2MYZ20048	48	96	100	14	30	6	76
A 1M 2MYZ20050	50	100	104	14	30	6	80
A 1M 2MYZ20055	55	110	114	14	30	6	90
A 1M 2MYZ20060	60	120	124	14	30	6	100
A 1M 2MYZ20070	70	140	144	14	30	6	120

ISO CLASS 9
20 mm FACE WIDTH
20° PRESSURE ANGLE



> MATERIAL:
Machined from Cast Nylon Blanks



METRIC COMPONENT

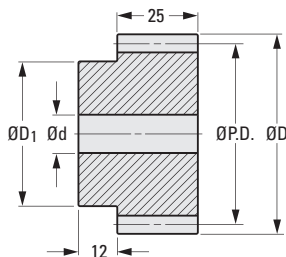
Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H8 (+0.027 / 0)
A 1P 1MYH20032	32	64	68	12
A 1P 1MYH20035	35	70	74	12
A 1P 1MYH20036	36	72	76	12
A 1P 1MYH20040	40	80	84	12
A 1P 1MYH20045	45	90	94	12
A 1P 1MYH20048	48	96	100	12
A 1P 1MYH20050	50	100	104	12
A 1P 1MYH20055	55	110	114	12
A 1P 1MYH20060	60	120	124	12
A 1P 1MYH20065	65	130	134	15
A 1P 1MYH20070	70	140	144	15
A 1P 1MYH20075	75	150	154	15
A 1P 1MYH20080	80	160	164	15
A 1P 1MYH20085	85	170	174	15
A 1P 1MYH20090	90	180	184	15
A 1P 1MYH20095	95	190	194	15
A 1P 1MYH20100	100	200	204	15

ISO CLASS 9
25 mm FACE WIDTH
20° PRESSURE ANGLE

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> MATERIAL:
Machined from Cast Nylon Blanks



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H8	d Tolerance	D ₁ Hub Dia.
A 1P 2MYH25012	12	30	35	10	+0.022/0	23
A 1P 2MYH25013	13	32.5	37.5	10	+0.022/0	25
A 1P 2MYH25014	14	35	40	10	+0.022/0	25
A 1P 2MYH25015	15	37.5	42.5	12	+0.027/0	30
A 1P 2MYH25016	16	40	45	12	+0.027/0	32
A 1P 2MYH25018	18	45	50	12	+0.027/0	38
A 1P 2MYH25020	20	50	55	12	+0.027/0	40
A 1P 2MYH25022	22	55	60	12	+0.027/0	44
A 1P 2MYH25024	24	60	65	12	+0.027/0	48
A 1P 2MYH25025	25	62.5	67.5	12	+0.027/0	50
A 1P 2MYH25026	26	65	70	12	+0.027/0	55
A 1P 2MYH25028	28	70	75	12	+0.027/0	60
A 1P 2MYH25030	30	75	80	12	+0.027/0	65

I

NONMETALLIC HUBLESS SPUR GEARS • MODULE 2.5

SDP/SI

R

ISO CLASS 9
25 mm FACE WIDTH
20° PRESSURE ANGLE

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T

> **MATERIAL:**
Machined from Cast Nylon Blanks



1

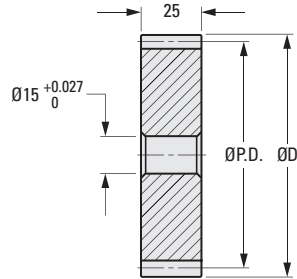
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7

METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.
A 1P 1MYH25032	32	80	85
A 1P 1MYH25035	35	87.5	92.5
A 1P 1MYH25036	36	90	95
A 1P 1MYH25040	40	100	105
A 1P 1MYH25045	45	112.5	117.5
A 1P 1MYH25048	48	120	125
A 1P 1MYH25050	50	125	130
A 1P 1MYH25055	55	137.5	142.5
A 1P 1MYH25060	60	150	155

10

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1-130

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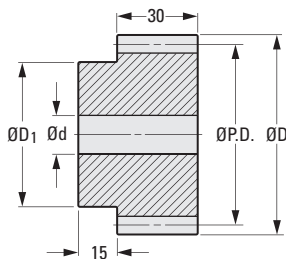
ISO CLASS 9
30 mm FACE WIDTH
20° PRESSURE ANGLE

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> MATERIAL:

Machined from Cast Nylon Blanks



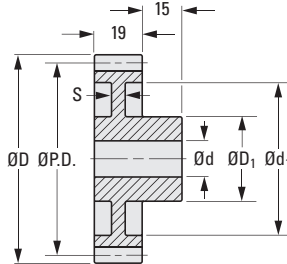
METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore H8	d Tolerance	D ₁ Hub Dia.
A 1P 2MYH30012	12	36	42	12	+0.027/0	28
A 1P 2MYH30013	13	39	45	12	+0.027/0	30
A 1P 2MYH30014	14	42	48	12	+0.027/0	32
A 1P 2MYH30015	15	45	51	14	+0.027/0	36
A 1P 2MYH30016	16	48	54	14	+0.027/0	38
A 1P 2MYH30018	18	54	60	14	+0.027/0	40
A 1P 2MYH30020	20	60	66	14	+0.027/0	50
A 1P 2MYH30022	22	66	72	14	+0.027/0	54
A 1P 2MYH30024	24	72	78	14	+0.027/0	58
A 1P 2MYH30025	25	75	81	14	+0.027/0	60
A 1P 2MYH30026	26	78	84	14	+0.027/0	65
A 1P 2MYH30028	28	84	90	14	+0.027/0	70
A 1P 2MYH30030	30	90	96	14	+0.027/0	75

19 mm FACE WIDTH
20° PRESSURE ANGLE

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> MATERIAL:
Acetal



METRIC COMPONENT

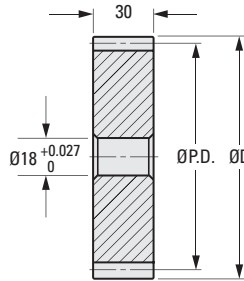
Catalog Number	No. of Teeth	P.D.	D Dia.	d Bore Dia.	D ₁ Hub Dia.	S	d ₁ Dia.
A 1M 2MYZ30012A	12	36	42	10	24	—	—
A 1M 2MYZ30012	12	36	42	12	24	—	—
A 1M 2MYZ30013	13	39	45	12	24	—	—
A 1M 2MYZ30014	14	42	48	12	24	—	—
A 1M 2MYZ30015A	15	45	51	7	24	—	—
A 1M 2MYZ30015	15	45	51	12	24	8	30
A 1M 2MYZ30016	16	48	54	12	24	8	30
A 1M 2MYZ30017	17	51	57	12	24	8	30
A 1M 2MYZ30018	18	54	60	12	24	8	38
A 1M 2MYZ30019	19	57	63	12	24	8	38
A 1M 2MYZ30020	20	60	66	12	24	8	38
A 1M 2MYZ30021	21	63	69	12	24	8	45
A 1M 2MYZ30022	22	66	72	12	24	8	45
A 1M 2MYZ30023	23	69	75	12	24	8	52
A 1M 2MYZ30024	24	72	78	12	24	8	52
A 1M 2MYZ30025	25	75	81	14	28	8	58
A 1M 2MYZ30026	26	78	84	14	28	8	58
A 1M 2MYZ30027	27	81	87	14	28	8	58
A 1M 2MYZ30028	28	84	90	14	28	8	68
A 1M 2MYZ30030	30	90	96	14	28	8	68
A 1M 2MYZ30032	32	96	102	16	32	8	71
A 1M 2MYZ30033	33	99	105	16	32	8	71
A 1M 2MYZ30035	25	105	111	16	32	8	80
A 1M 2MYZ30038	28	114	120	16	32	8	89
A 1M 2MYZ30040	40	120	126	16	32	8	95
A 1M 2MYZ30045	45	135	141	16	32	8	110

ISO CLASS 9
 30 mm FACE WIDTH
 20° PRESSURE ANGLE

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> **MATERIAL:**
 Machined from Cast Nylon Blanks



METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	D Dia.
A 1P 1MYH30032	32	96	102
A 1P 1MYH30035	35	105	111
A 1P 1MYH30036	36	108	114
A 1P 1MYH30040	40	120	126
A 1P 1MYH30045	45	135	141
A 1P 1MYH30048	48	144	150
A 1P 1MYH30050	50	150	156
A 1P 1MYH30055	55	165	171
A 1P 1MYH30060	60	180	186



> **DID YOU KNOW?**

That you can see a video showing how the Fairloc® integral fastener works and how it can benefit your application. It is located at: www.sdp-si.com/fairloc.

ISO CLASS 5
GROUND TEETH
20° PRESSURE ANGLE

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> MATERIAL:

AISI 4135 Steel, Tooth Surface
Induction Hardened To HRC 50..55

> SPECIFICATIONS:

Fig. 1 gears use torsion spring.
Fig. 2 gears use helical tension springs.

Bore Tolerance: 8 & 10 mm +0.015/0
12 mm +0.018/0

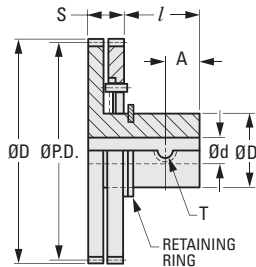


Fig. 1
Torsion Spring

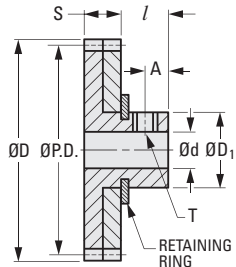


Fig. 2
Helical Tension Springs

METRIC COMPONENT

Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore H7	S Face Width	D ₁ Hub Dia.	l Hub Proj.	T Set Screw	A
Module 0.5										
S97S05M060T0808G	1	60	30	31	8	8	16	8	M4	4
S97S05M070T0808G	1	70	35	36	8	8	16	8	M4	4
S97S05M080T0808G	1	80	40	41	8	8	20	8	M4	4
S97S05M090T0810G	1	90	45	46	10	8	20	8	M4	4
S97S05M100T0810G	1	100	50	51	10	8	20	8	M4	4
S97S05M120T0810G	1	120	60	61	10	8	20	8	M4	4
Module 0.8										
S97S08M050T0810G	1	50	40	41.6	10	8	20	10	M5	5
S97S08M060T0810G	1	60	48	49.6	10	8	20	10	M5	5
S97S08M070T0810G	1	70	56	57.6	10	8	20	10	M5	5
S97S08M080T0810G	2	80	64	65.6	10	8	20	10	M5	5
S97S08M090T0810G	2	90	72	73.6	10	8	20	10	M5	5
S97S08M100T0810G	2	100	80	81.6	10	8	24	10	M5	5
S97S08M120T0810G	2	120	96	97.6	10	8	24	10	M5	5
Module 1										
S97S10M050T1010G	1	50	50	52	10	10	20	10	M6	5
S97S10M060T1010G	1	60	60	62	10	10	20	10	M6	5
S97S10M070T1012G	2	70	70	72	12	10	24	10	M6	5
S97S10M080T1012G	2	80	80	82	12	10	24	10	M6	5
S97S10M090T1012G	2	90	90	92	12	10	24	10	M6	5
S97S10M100T1012G	2	100	100	102	12	10	30	10	M6	5
S97S10M120T1012G	2	120	120	122	12	10	30	10	M6	5

ISO CLASS 8
20° PRESSURE ANGLE

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> MATERIAL:

5056 Aluminum, Anodized or
AISI 1045 Steel, Tufftrided

> SPECIFICATIONS:

Fig. 1 Aluminum gears use torsion spring.
Fig. 2 Steel gears use helical tension springs.

Bore Tolerance: 8 & 10 mm +0.022/0
12 mm +0.027/0

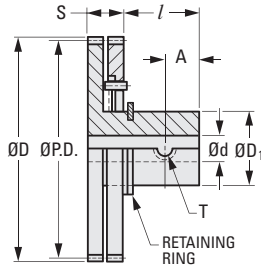


Fig. 1
Torsion Spring

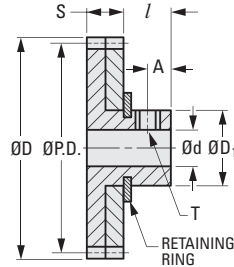


Fig. 2
Helical Tension Springs

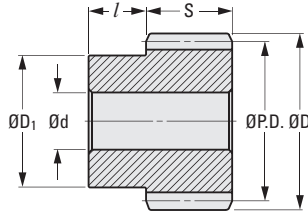
METRIC COMPONENT

Catalog Number	Mod.	No. of Teeth	P.D.	D Dia.	d Bore H8	S Face Width	D ₁ Hub Dia.	l Hub Proj.	T Set Screw	A
Fig. 1 Aluminum										
S97A05M060T0808	0.5	60	30	31	8	8	16	8	M4	4
S97A05M070T0808	0.5	70	35	36	8	8	16	8	M4	4
S97A05M080T0808	0.5	80	40	41	8	8	20	8	M4	4
S97A05M090T0810	0.5	90	45	46	10	8	20	8	M4	4
S97A05M100T0810	0.5	100	50	51	10	8	20	8	M4	4
S97A05M120T0810	0.5	120	60	61	10	8	20	8	M4	4
S97A08M050T0810	0.8	50	40	41.6	10	8	20	10	M5	5
S97A08M060T0810	0.8	60	48	49.6	10	8	20	10	M5	5
S97A08M070T0810	0.8	70	56	57.6	10	8	20	10	M5	5
Fig. 2 Steel										
S97S08M080T0810	0.8	80	64	65.6	10	8	20	10	M5	5
S97S08M090T0810	0.8	90	72	73.6	10	8	20	10	M5	5
S97S08M100T0810	0.8	100	80	81.6	10	8	24	10	M5	5
S97S08M120T0810	0.8	120	96	97.6	10	8	24	10	M5	5
Fig. 1 Aluminum										
S97A10M050T1010	1	50	50	52	10	10	20	10	M6	5
S97A10M060T1010	1	60	60	62	10	10	20	10	M6	5
Fig. 2 Steel										
S97S10M070T1012	1	70	70	72	12	10	24	10	M6	5
S97S10M080T1012	1	80	80	82	12	10	24	10	M6	5
S97S10M090T1012	1	90	90	92	12	10	24	10	M6	5
S97S10M100T1012	1	100	100	102	12	10	30	10	M6	5
S97S10M120T1012	1	120	120	122	12	10	30	10	M6	5

RIGHT- AND LEFT-HAND
MODULE 1, 1.5 & 2
45° HELIX
20° PRESSURE ANGLE



➤ **MATERIAL:**
Steel



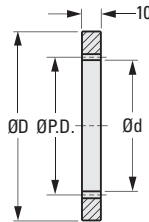
METRIC COMPONENT

Catalog Number		No of Teeth	P.D.	D Dia.	d Bore H8	d Tolerance	S Face Width	D ₁ Hub Dia.	l Hub Proj.
Right-Hand	Left-Hand								
Module 1									
A 1C 7MYK10013R	A 1C 7MYK10013L	13	18.4	20.4	8	+0.022/0	12	15	10
A 1C 7MYK10026R	A 1C 7MYK10026L	26	36.8	38.8	10	+0.022/0	12	32	10
Module 1.5									
A 1C 7MYK15013R	A 1C 7MYK15013L	13	27.6	30.6	10	+0.022/0	15	23	10
A 1C 7MYK15026R	A 1C 7MYK15026L	26	55.2	58.2	12	+0.027/0	15	40	10
Module 2									
A 1C 7MYK20013R	A 1C 7MYK20013L	13	36.8	40.8	12	+0.027/0	20	30	13
A 1C 7MYK20026R	A 1C 7MYK20026L	26	73.5	77.5	16	+0.027/0	20	55	13

INTERNAL GEARS - MODULE 1

20° PRESSURE ANGLE

➤ **MATERIAL:**
Steel



METRIC COMPONENT

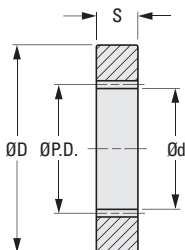
Catalog Number	No. of Teeth	P.D.	D Dia.	d I.D.
A 1C10MYK10060	60	60	90	58
A 1C10MYK10072	72	72	100	70
A 1C10MYK10080	80	80	110	78
A 1C10MYK10084	84	84	115	82
A 1C10MYK10090	90	90	120	88
A 1C10MYK10096	96	96	125	94
A 1C10MYK10100	100	100	130	98
A 1C10MYK10108	108	108	140	106
A 1C10MYK10120	120	120	150	118

ISO CLASS 7
 MODULE 0.5, 0.8 & 1
 5, 8 & 10 mm FACE WIDTH
 20° PRESSURE ANGLE

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➤ **MATERIAL:**
 303 Stainless Steel



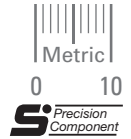
METRIC COMPONENT

Catalog Number	No. of Teeth	P.D.	d I.D. H9	S Face Width js 10	D Dia. h7
Module 0.5					
S1E05ZM05S060	60	30	29	5	50
S1E05ZM05S072	72	36	35	5	50
S1E05ZM05S080	80	40	39	5	50
S1E05ZM05S084	84	42	41	5	75
S1E05ZM05S090	90	45	44	5	75
S1E05ZM05S096	96	48	47	5	75
S1E05ZM05S100	100	50	49	5	75
S1E05ZM05S108	108	54	53	5	75
S1E05ZM05S120	120	60	59	5	75
Module 0.8					
S1E08ZM08S060	60	48	46.4	8	100
S1E08ZM08S072	72	57.6	56	8	100
S1E08ZM08S080	80	64	62.4	8	100
S1E08ZM08S084	84	67.2	65.6	8	100
S1E08ZM08S090	90	72	70.4	8	100
S1E08ZM08S096	96	76.8	75.2	8	100
S1E08ZM08S100	100	80	78.4	8	120
S1E08ZM08S108	108	86.4	84.8	8	120
S1E08ZM08S120	120	96	94.4	8	120
Module 1					
S1E10ZM10S060	60	60	58	10	100
S1E10ZM10S072	72	72	70	10	100
S1E10ZM10S080	80	80	78	10	100
S1E10ZM10S084	84	84	82	10	120
S1E10ZM10S090	90	90	88	10	120
S1E10ZM10S096	96	96	94	10	120
S1E10ZM10S100	100	100	98	10	150
S1E10ZM10S108	108	108	106	10	150
S1E10ZM10S120	120	120	118	10	150

GROUND RACKS – MODULE 0.5, 0.8, 1 & 1.5

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ISO CLASS 5
GROUND TEETH
20° PRESSURE ANGLE

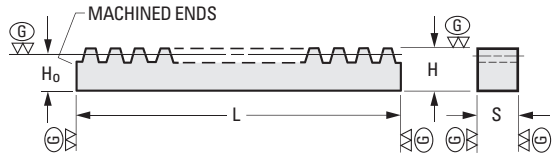


> MATERIAL:

AISI 1045 Steel Hardened
to HRC 27...32

> SPECIFICATIONS:

Tolerance h8: 8 & 10 mm 0/-0.022
12 & 15 mm 0/-0.027
20 mm 0/-0.033



METRIC COMPONENT

Catalog Number	Module	No. of Usable Teeth	S Face Width h8	H Height h8	H ₀ Pitch Distance	L Stock Length mm
S18C05M128P0812G	0.5	128	8	12	11.5	201.06
S18C08M080P0812G	0.8	80	8	12	11.2	201.06
S18C10M096P1015G	1	96	10	15	14	301.59
S18C15M064P1520G	1.5	64	15	20	18.5	301.59

See index for ground spur gears.

JOINING GAUGES for GROUND RACKS – MODULE 0.5, 0.8 1 & 1.5

ISO CLASS 5
GROUND TEETH
20° PRESSURE ANGLE

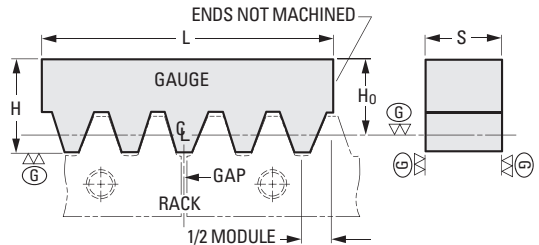


> MATERIAL:

AISI 1045 Steel Hardened
to HRC 27...32

> SPECIFICATIONS:

Tolerance h8: 8 & 10 mm 0/-0.022
12 & 15 mm 0/-0.027
20 mm 0/-0.033



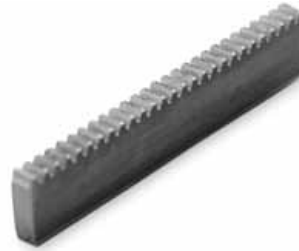
METRIC COMPONENT

Catalog Number	Mod.	1/2 Module		No. of Teeth	S Face Width h8	H Height h8	H ₀ Pitch Distance	L Stock Length approx.
		Dim.	Tol.					
S18C05MGAGE-G	0.5	0.785	-0.02 / -0.08	29	8	12	11.5	45.3
S18C08MGAGE-G	0.8	1.256	-0.03 / -0.12	18	8	12	11.2	44.9
S18C10MGAGE-G	1	1.57	-0.03 / -0.12	14	10	15	14	43.6
S18C15MGAGE-G	1.5	2.356	-0.04 / -0.16	9	15	20	18.5	41.9

See index for ground spur gears.

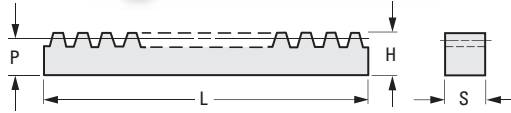
ISO CLASS 8
 MODULE 0.3, 0.5, 0.75, 0.8 & 1
 20° PRESSURE ANGLE

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QUALITY CLASS

> **MATERIAL:**
 Brass, Stainless Steel or Steel



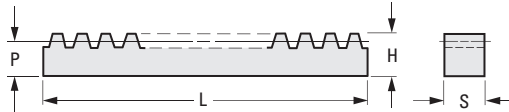
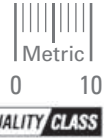
METRIC COMPONENT

Catalog Number	Module	Material	S Face Width	H Height	P Pitch Height	L Length mm
A 1B12MYK03200	0.3	Brass	3	8	7.7	200
A 1B12MYK05200	0.5	Brass	3	8	7.5	200
A 1B12MYKW05200	0.5	Brass	8	8	7.5	200
A 1B12MYK05500	0.5	Brass	8	10	9.5	505
A 1X12MYK05200	0.5	Stainless Steel	3	10	9.5	200
A 1X12MYK05300	0.5	Stainless Steel	4.8	9.5	9	300
A 1X12MYKW05200	0.5	Stainless Steel	8	8	7.5	200
A 1X12MYK05500	0.5	Stainless Steel	8	10	9.5	505
A 1B12MYKH7200	0.75	Brass	3	8	7.25	200
A 1B12MYKH7500	0.75	Brass	3	10	9.25	505
A 1B12MYKWH7200	0.75	Brass	8	8	7.25	200
A 1B12MYKWH7500	0.75	Brass	8	10	9.25	505
A 1X12MYKH7200	0.75	Stainless Steel	3	10	9.25	200
A 1X12MYKWH7200	0.75	Stainless Steel	8	8	7.25	200
A 1X12MYKH7500	0.75	Stainless Steel	8	10	9.25	505
A 1B12MYK08500	0.8	Brass	5	10	9.2	505
A 1B12MYK08200	0.8	Brass	7	7	6.2	200
A 1B12MYKW08500	0.8	Brass	7	10	9.2	505
A 1X12MYK08500	0.8	Stainless Steel	5	10	9.2	505
A 1X12MYK08200	0.8	Stainless Steel	7	7	6.2	200
A 1X12MYKW08500	0.8	Stainless Steel	7	10	9.2	505
A 1C12MYK10300	1	Steel	10	10	9	300
A 1C12MYK10500	1	Steel	10	10	9	500
A 1C12MYK101000	1	Steel	10	15	14	1021
A 1X12MYK10500	1	Stainless Steel	8	10	9	500
A 1X12MYK10300	1	Stainless Steel	10	10	9	300
A 1X12MYKW10500	1	Stainless Steel	10	10	9	500

ISO CLASS 8
20° PRESSURE ANGLE

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› **MATERIAL:**
Steel, Brass, or Nylon



METRIC COMPONENT

Catalog Number	Module	Material	S Face Width	H Height mm	P Pitch Height	L Length mm
A 1C12MY04A075	0.4	Steel	4.8	9.5	9.13	75
A 1C12MY04A150	0.4	Steel	4.8	9.5	9.13	150
A 1C12MY04A300	0.4	Steel	4.8	9.5	9.13	300
A 1B12MY04A075	0.4	Brass	4.8	9.5	9.13	75
A 1B12MY04A150	0.4	Brass	4.8	9.5	9.13	150
A 1B12MY04A300	0.4	Brass	4.8	9.5	9.13	300
A 1C12MY04B075	0.4	Steel	4.8	4.8	4.34	75
A 1C12MY04B150	0.4	Steel	4.8	4.8	4.34	150
A 1C12MY04B300	0.4	Steel	4.8	4.8	4.34	300
A 1B12MY04B075	0.4	Brass	4.8	4.8	4.34	75
A 1B12MY04B150	0.4	Brass	4.8	4.8	4.34	150
A 1B12MY04B300	0.4	Brass	4.8	4.8	4.34	300
A 1P12MY04C075	0.4	Nylon	6.3	6.3	5.94	75
A 1P12MY04C150	0.4	Nylon	6.3	6.3	5.94	150
A 1P12MY04C300	0.4	Nylon	6.3	6.3	5.94	300
A 1C12MY05A075	0.5	Steel	4.8	9.5	9.03	75
A 1C12MY05A150	0.5	Steel	4.8	9.5	9.03	150
A 1C12MY05A300	0.5	Steel	4.8	9.5	9.03	300
A 1B12MY05A075	0.5	Brass	4.8	9.5	9.03	75
A 1B12MY05A150	0.5	Brass	4.8	9.5	9.03	150
A 1B12MY05A300	0.5	Brass	4.8	9.5	9.03	300
A 1C12MY05B075	0.5	Steel	4.8	4.8	4.26	75
A 1C12MY05B150	0.5	Steel	4.8	4.8	4.26	150
A 1C12MY05B300	0.5	Steel	4.8	4.8	4.26	300
A 1B12MY05B075	0.5	Brass	4.8	4.8	4.26	75
A 1B12MY05B150	0.5	Brass	4.8	4.8	4.26	150
A 1B12MY05B300	0.5	Brass	4.8	4.8	4.26	300
A 1P12MY05C075	0.5	Nylon	6.3	6.3	5.85	75
A 1P12MY05C150	0.5	Nylon	6.3	6.3	5.85	150
A 1P12MY05C300	0.5	Nylon	6.3	6.3	5.85	300

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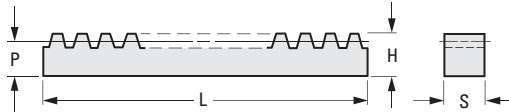
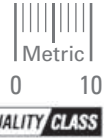
11.27.12 JF

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ISO CLASS 8
20° PRESSURE ANGLE

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› MATERIAL:
Steel, Brass, or Nylon



METRIC COMPONENT

Catalog Number	Module	Material	S Face Width	H Height	P Pitch Height	L Length mm
A 1C12MY08A075	0.8	Steel	6.3	12.7	11.9	75
A 1C12MY08A150	0.8	Steel	6.3	12.7	11.9	150
A 1C12MY08A300	0.8	Steel	6.3	12.7	11.9	300
A 1B12MY08A075	0.8	Brass	6.3	12.7	11.9	75
A 1B12MY08A150	0.8	Brass	6.3	12.7	11.9	150
A 1B12MY08A300	0.8	Brass	6.3	12.7	11.9	300
A 1C12MY08B075	0.8	Steel	6.3	6.3	5.56	75
A 1C12MY08B150	0.8	Steel	6.3	6.3	5.56	150
A 1C12MY08B300	0.8	Steel	6.3	6.3	5.56	300
A 1B12MY08B075	0.8	Brass	6.3	6.3	5.56	75
A 1B12MY08B150	0.8	Brass	6.3	6.3	5.56	150
A 1B12MY08B300	0.8	Brass	6.3	6.3	5.56	300
A 1P12MY08B075	0.8	Nylon	6.3	6.3	5.56	75
A 1P12MY08B150	0.8	Nylon	6.3	6.3	5.56	150
A 1P12MY08B300	0.8	Nylon	6.3	6.3	5.56	300
A 1C12MY10B150	1	Steel	7.9	15.9	14.88	150
A 1C12MY10B300	1	Steel	7.9	15.9	14.88	300
A 1C12MY10B600	1	Steel	7.9	15.9	14.88	600
A 1B12MY10B150	1	Brass	7.9	15.9	14.88	150
A 1B12MY10B300	1	Brass	7.9	15.9	14.88	300
A 1B12MY10B600	1	Brass	7.9	15.9	14.88	600
A 1C12MY10C150	1	Steel	7.9	7.9	6.94	150
A 1C12MY10C300	1	Steel	7.9	7.9	6.94	300
A 1C12MY10C600	1	Steel	7.9	7.9	6.94	600
A 1B12MY10C150	1	Brass	7.9	7.9	6.94	150
A 1B12MY10C300	1	Brass	7.9	7.9	6.94	300
A 1B12MY10C600	1	Brass	7.9	7.9	6.94	600
A 1P12MY10A150	1	Nylon	9.5	9.5	8.53	150
A 1P12MY10A300	1	Nylon	9.5	9.5	8.53	300
A 1P12MY10A600	1	Nylon	9.5	9.5	8.53	600

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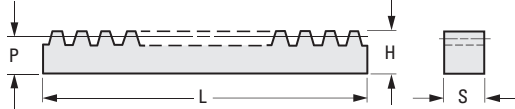
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ISO CLASS 8
MODULE 1.5, 2, 2.5 & 3
20° PRESSURE ANGLE

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QUALITY CLASS



METRIC COMPONENT

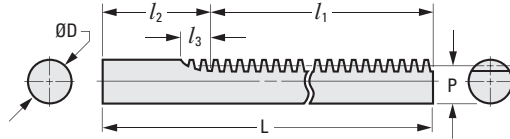
Catalog Number	Module	S Face Width	H Height	P Pitch Height	L Length mm
A 1C12MYK15300	1.5	16	16	14.5	300
A 1C12MYKW15500	1.5	16	16	14.5	500
A 1C12MYK151000	1.5	16	16	14.5	1008.5
A 1C12MYK15500	1.5	12	16	14.5	500
A 1C12MYK20300	2	20	20	18	300
A 1C12MYK20500	2	20	20	18	500
A 1C12MYKW201000	2	20	20	18	1005.3
A 1C12MYK201000	2	14	20	18	1005.3
A 1C12MYK25300	2.5	25	25	22.5	300
A 1C12MYK25500	2.5	25	25	22.5	500
A 1C12MYKW251000	2.5	25	25	22.5	1005.3
A 1C12MYK251000	2.5	18	25	22.5	1005.3
A 1C12MYK30300	3	30	30	27	300
A 1C12MYK30500	3	30	30	27	500
A 1C12MYKW301000	3	30	30	27	1008.5
A 1C12MYK301000	3	22	30	27	1008.5

ROUND RACKS – MODULE 0.5 TO 1

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ISO CLASS 9
20° PRESSURE ANGLE

> **MATERIAL:**
304 Stainless Steel



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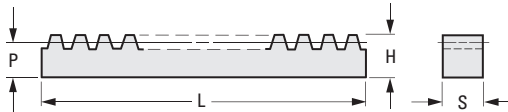
METRIC COMPONENT

Catalog Number	Module	D h7 (0 -0.015)	P Pitch Height	l	l ₂ Ref.	l ₃	L Length mm ± 1
S181YYM0508200	0.5	8	7.5	149	53	10.7	202
S181YYM0758200	0.75		7.25	148	54	13	
S181YYM0808200	0.8		7.2			13.4	
S181YYM100A300	1	10	9	238	67	15	305

NONMETALLIC RACKS - MODULE 0.4 TO 3.0

20° PRESSURE ANGLE

> **MATERIAL:**
Molded Acetal
Machined Cast Nylon



METRIC COMPONENT

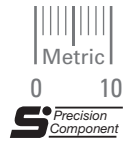
Catalog Number	Module	Material	S Face Width	H Height	P Pitch Height	L Length mm	
A 1M12MYP0425	0.4	Acetal (Molded)	3	3.9	3.5	250	
A 1M12MYZ0525	0.5		4	4.5	4		
A 1M12MYZ0525A			4	6	5.5		
A 1M12MYZ0725	0.7		6	6.7	6		
A 1M12MYP0825	0.8		5	7.3	6.5		
A 1M12MYZ1025	1		9	9	8		
A 1M12MYZ1225	1.25		10	11	9.75		
A 1M12MYZ1525	1.5		12	12	10.5		
A 1M12MYZ2025	2		15.4	11	9		
A 1M12MYZ3025	3		19.4	15	12		
A 1M12MYH100500	1		10	12	11		505
A 1M12MYH150500	1.5		15	20	18.5		
A 1M12MYH151000		1010					
A 1M12MYH200500	2	Nylon (Machined)	20	25	23	505	
A 1M12MYH201000			1010				
A 1M12MYH250500	2.5		25	30	27.5	505	
A 1M12MYH251000						1010	
A 1M12MYH300500	3		30	35	32	505	
A 1M12MYH301000						1010	

REV: 3.26.13 JC

GROUND RACKS – CP 2 & 5

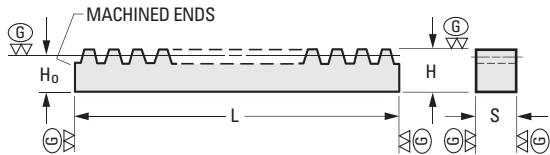
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ISO CLASS 5
GROUND TEETH
20° PRESSURE ANGLE



> MATERIAL:
AISI 1045 Steel Hardened
to HRC 27...32

> SPECIFICATIONS:
Tolerance h8: 8 mm 0/-0.022
12 & 15 mm 0/-0.027
20 mm 0/-0.033



METRIC COMPONENT

Catalog Number	Circular Pitch	No. of Usable Teeth	S Face Width h8	H Height h8	H ₀ Pitch Distance	L Stock Length mm
S18CCPM020P100G	2	100	8	12	11.364	200
S18CCPM050P060G	5	60	15	20	18.409	300

See index for ground circular pitch spur gears.

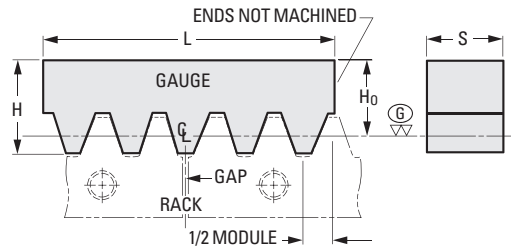
JOINING GAUGE for CP GROUND RACKS – CP 2 & 5

ISO CLASS 5
GROUND TEETH
20° PRESSURE ANGLE



> MATERIAL:
AISI 1045 Steel Hardened
to HRC 27...32

> SPECIFICATIONS:
Tolerance h8: 8 mm 0/-0.022
12 & 15 mm 0/-0.027
20 mm 0/-0.033



METRIC COMPONENT

Catalog Number	Circular Pitch	1/2 Module		No. of Teeth	S Face Width h8	H Height h8	H ₀ Pitch Distance	L Stock Length mm
		Dim.	Tol.					
S18CCPM020GAGE-G	2	1	-0.02 / -0.08	23	8	12	11.364	45.7
S18CCPM050GAGE-G	5	2.5	-0.04 / -0.16	8	15	20	18.409	39.4

See index for ground circular pitch spur gears.

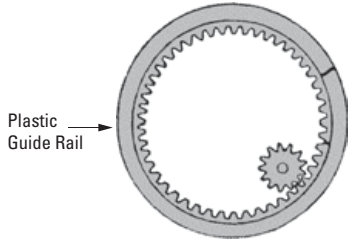
> UNIQUE DESIGN:

SDP Flexiracks are designed for low-cost linear indexing applications of any length. They are ideal for curved, circular or irregular surfaces where they can fit a bent radius as small as 75 mm and still run with standard metric gears. Fitted with their flexible nylon guide rails, they can be bent into circular shape to function either as internal or external gears.

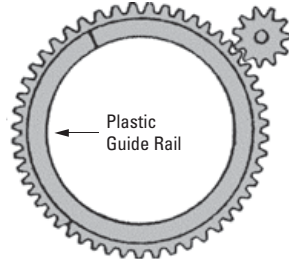
> FEATURES:

- Flexible
- Lightweight
- Economical
- Maintenance-Free
- Self-Lubricating
- Resistant to Chemicals
- High Dielectric Strength
- Stock Length of 2000 mm
- Lengths up to 50 meters available on special request

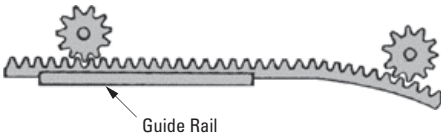
> FOR USE WITH GEARS:



Internal

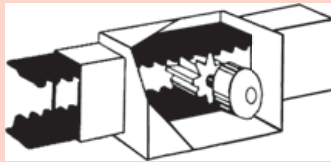


External



APPLICATIONS:

Linear Motions



- Rotating Drums
- Rotating Tables
- Lazy Susans
- Displays
- Gates
- Door Openers
- Panels

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FLEXIRACKS
20° PRESSURE ANGLE

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> MATERIAL:

Flexiracks – Acetal, Blue

> SPECIFICATIONS:

Flexiracks:

Stock Length: 2000 mm (78.7")
Longer Length up to 50 meters
available on special request.

Working Temperature: 100°C (212°F)

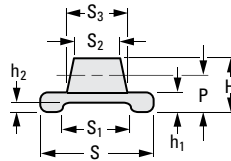
Intermittent Use: 149°C (300°F)

Resistant To:

Weak Acids & Alkalis
Oil, Grease, Gasoline
Alcohol, Ketones



Rack Clamps Shown are Optional.
See Below.



Module	Minimum Bend Radius		Bending Strength
	Int. (R _i)	Ext. (R _e)	N
0.8	75 (3.0)	75 (3.0)	111.8
1	85 (3.3)	125 (4.9)	160.9
1.5	100 (3.9)	150 (5.9)	161.4
2	125 (4.9)	175 (6.9)	264.9

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METRIC COMPONENT

Catalog Number	Module	S	S ₁	S ₂	S ₃	H	h ₁	h ₂	P
Flexiracks – Acetal, Blue									
A 1M12MYHF082000	0.8	8 (.31)	3.7 (.15)	3 (.12)	3.8 (.15)	3.3 (.130)	1.5 (.06)	0.7 (.03)	2.5 (.098)
A 1M12MYHF102000	1	10 (.39)	4.9 (.19)	4 (.16)	5 (.20)	4.3 (.169)	2 (.08)	0.9 (.04)	3.3 (.130)
A 1M12MYHF152000	1.5	12 (.47)	8 (.31)	5 (.20)	6.5 (.26)	5.7 (.224)	2.3 (.09)	1 (.04)	4.2 (.165)
A 1M12MYHF202000	2	15 (.59)	10.1 (.40)	6 (.24)	8 (.31)	7 (.276)	2.5 (.10)	1.1 (.04)	5 (.197)

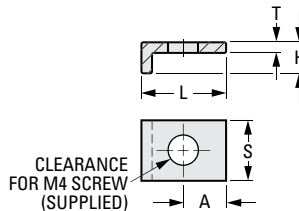
NOTES: 1. Dimensions in () are inch.

2. To use the molded flexible rack with a 20 tooth pinion, the radius of curvature for an external or internal arc must be greater than 150 mm.

RACK CLAMPS

> MATERIAL:

Steel, Plated



The projections shown are per ISO convention.

METRIC COMPONENT

Catalog Number	For Rack Module	L	S	A	H	T
A 1C12MHC1	0.8 & 1	10.2 (.40)	8 (.32)	4.5 (.18)	2.7 (.11)	1.2 (.047)
A 1C12MHC2	1.5 & 2	11.4 (.45)		5.6 (.22)	3.9 (.15)	1.4 (.055)

GUIDE RAILS

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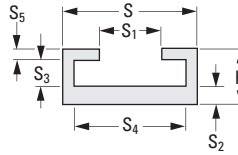
➤ **MATERIAL:**

Extruded Aluminum or
Extruded Flexible Nylon



➤ **SPECIFICATIONS:**

Stock Length – 1000 mm (39.37")
Longer lengths in nylon are
available on special request.



METRIC COMPONENT

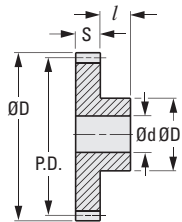
Catalog Number	For Rack Module	S	S ₁	H	S ₂	S ₃	S ₄	S ₅
Aluminum								
A 1A12MHR081000	0.8	10.3 (.406)	4.5 (1.80)	4.8 (.19)	1.8 (.070)	1.8 (.071)	8.4 (.331)	1 (.039) Ref.
A 1A12MHR101000	1	12.3 (.484)	5.7 (.22)	5.2 (.20)	1.8 (.070)	2.4 (.094)	10.4 (.409)	1 (.039) Ref.
A 1A12MHR151000	1.5	14.3 (.563)	7.2 (.28)	5.4 (.21)	1.8 (.070)	2.7 (.106)	12.4 (.488)	1 (.039) Ref.
A 1A12MHR201000	2	17.3 (.681)	8.9 (.35)	6.1 (.24)	2.3 (.091)	2.9 (.114)	15.4 (.606)	1 (.039) Ref.
Nylon								
A 1M12MHR081000	0.8	11 (.43)	4 (.16)	5.1 (.20)	1.5 (.06)	2.1 (.083)	8 (.315)	1.5 (.06)
A 1M12MHR101000	1	13.1 (.52)	5.3 (.21)	5.3 (.21)	1.5 (.06)	2.3 (.091)	9.8 (.386)	1.5 (.06)
A 1M12MHR151000	1.5	16.1 (.63)	7 (.28)	7.1 (.28)	1.9 (.07)	3.2 (.126)	12.3 (.484)	1.9 (.07)
A 1M12MHR201000	2	20.6 (.81)	8 (.31)	7.1 (.28)	1.9 (.07)	3.6 (.142)	16.8 (.661)	1.9 (.07)

NOTE: Dimensions in () are inch.

PINIONS – MODULE 0.8 TO 2

➤ **MATERIAL:**

Acetal



METRIC COMPONENT

Catalog Number	Module	No. of Teeth	P.D.	D Dia.	d Bore	S Face Width	D ₁ Hub Dia.	l Hub Proj.
A 1M 2MYHF08032	0.8	32	25.6	27.2	6	4	12	5
A 1M 2MYHF10032	1	32	32	34	6	5	14	6
A 1M 2MYHF15024	1.5	24	36	39	8	6	18.3	11
A 1M 2MYHF20024	2	24	48	52	10	8	24	12



ISO CLASS 6
35° SPIRAL ANGLE
MODULE 2, 2.5, 3, 3.5, 4 & 5
20° PRESSURE ANGLE

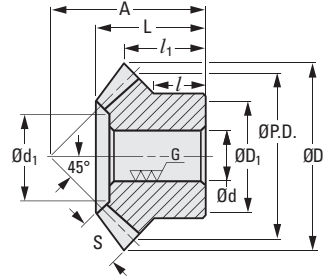


> MATERIAL:

AISI 1045 Steel, Tooth Surfaces
Induction Hardened to HRC 48...53

> FINISH:

Black Oxide, except Ground Bore
and Tooth Surfaces



METRIC COMPONENT

Catalog Number*	Mod.	d Bore H7	P.D.	D Dia.	S Face Width	L Length	D ₁ Hub Dia.	l Hub Proj.	A Mtg. Dist.	d ₁	l ₁ Crown to Back
No. of Teeth 20											
S13S1YMK20G20L12	2	12	40	42.4	10	24.75	34	14	37	21.72	18.2
S13S1YMK20G20R12	2	12	40	42.4	10	24.75	34	14	37	21.72	18.2
S13S1YMK25G20L14	2.5	14	50	52.94	12	32.42	42	19	48	28.06	24.47
S13S1YMK25G20R14	2.5	14	50	52.94	12	32.42	42	19	48	28.06	24.47
S13S1YMK30G20L16	3	16	60	63.72	15	39.6	50	23	58	31.57	29.86
S13S1YMK30G20R16	3	16	60	63.72	15	39.6	50	23	58	31.57	29.86
S13S1YMK35G20L20	3.5	20	70	74.47	18	43.81	60	25	65	39.09	32.23
S13S1YMK35G20R20	3.5	20	70	74.47	18	43.81	60	25	65	39.09	32.23
S13S1YMK40G20L20	4	20	80	84.88	20	50.51	64	27	75	43.43	37.44
S13S1YMK40G20R20	4	20	80	84.88	20	50.51	64	27	75	43.43	37.44
S13S1YMK50G20L25	5	25	100	105.9	26	60.16	80	30	90	54.46	42.95
S13S1YMK50G20R25	5	25	100	105.9	26	60.16	80	30	90	54.46	42.95
No. of Teeth 25											
S13S1YMK20G25L12	2	12	50	52.4	12	24.19	40	10	40	26.06	16.2
S13S1YMK20G25R12	2	12	50	52.4	12	24.19	40	10	40	26.06	16.2
S13S1YMK25G25L16	2.5	16	62.5	65.54	15	30.24	50	12.5	50	34.57	20.27
S13S1YMK25G25R16	2.5	16	62.5	65.54	15	30.24	50	12.5	50	34.57	20.27
S13S1YMK30G25L20	3	20	75	78.77	20	37.57	60	15	60	37.43	24.39
S13S1YMK30G25R20	3	20	75	78.77	20	37.57	60	15	60	37.43	24.39
S13S1YMK35G25L25	3.5	25	87.5	91.81	22	42.98	70	17.5	70	46.77	28.41
S13S1YMK35G25R25	3.5	25	87.5	91.81	22	42.98	70	17.5	70	46.77	28.41
S13S1YMK40G25L28	4	28	100	104.7	25	49.14	80	20	80	55.29	32.55
S13S1YMK40G25R28	4	28	100	104.7	25	49.14	80	20	80	55.29	32.55
S13S1YMK50G25L28	5	28	125	130.86	30	60.59	100	25	100	65.15	40.43
S13S1YMK50G25R28	5	28	125	130.86	30	60.59	100	25	100	65.15	40.43
No. of Teeth 30											
S13S1YMK20G30L12	2	12	60	62.42	12	29.27	45	12.5	50	36.06	21.21
S13S1YMK20G30R12	2	12	60	62.42	12	29.27	45	12.5	50	36.06	21.21
S13S1YMK25G30L16	2.5	16	75	78.04	15	36.08	60	17	62	47.57	26.02
S13S1YMK25G30R16	2.5	16	75	78.04	15	36.08	60	17	62	47.57	26.02
S13S1YMK30G30L20	3	20	90	93.61	20	45.25	70	20	75	53.43	31.8
S13S1YMK30G30R20	3	20	90	93.61	20	45.25	70	20	75	53.43	31.8
S13S1YMK35G30L25	3.5	25	105	109.21	22	49.4	90	25	85	67.77	34.6
S13S1YMK35G30R25	3.5	25	105	109.21	22	49.4	90	25	85	67.77	34.6
S13S1YMK40G30L28	4	28	120	124.71	25	54.28	100	25	95	79.29	37.35
S13S1YMK40G30R28	4	28	120	124.71	25	54.28	100	25	95	79.29	37.35

NOTE: R or L in catalog number indicates right- or left-hand direction of helix.

* A set of spiral miter gears must be identical in module and number of teeth, but opposite in spiral hands.

ISO CLASS 8
 MODULE 0.5, 0.8 & 1
 20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM



QUALITY CLASS

MATERIAL:
 Brass or Steel

SPECIFICATIONS:
 Straight Tooth sold as each
 35° Spiral Tooth sold as matched sets only

Bore Tolerance: 3 & 4 mm +0.014/0 (H8)
 5 & 6 mm +0.018/0 (H8)
 6 mm +0.012/0 (H7)
 8 mm +0.015/0 (H7)

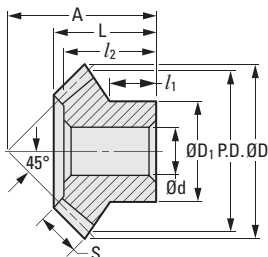


Fig. 1

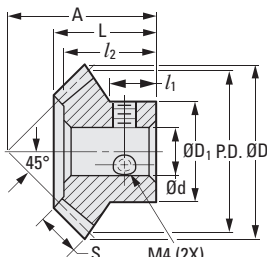


Fig. 2

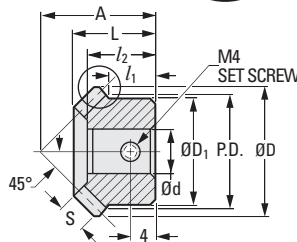


Fig. 3

METRIC COMPONENT

Catalog Number Straight Tooth	Mod.	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore	S Face Width	L Lngth.	D ₁ Hub Dia.	I ₁ Hub Proj.	A	I ₂
Brass - Sold as each												
A 1B 4MYK05020	0.5	1	20	10	10.71	3 (H8)	2.5	8	8	5	11	7
* A 1B 4MYK05025S	0.5	2	25	12.5	13.21	4 (H8)	3.0	8.11	11	5	12	7
* A 1B 4MYK05030S	0.5	2	30	15	15.71	4 (H8)	3.5	9.21	12	5	14	8
A 1B 4MYK08020	0.8	1	20	16	17.13	5 (H8)	3.7	11	12	6	16	10
* A 1B 4MYK08025S	0.8	2	25	20	21.13	5 (H8)	4.7	11.67	16	6	18	10.5
A 1B 4MYK08030S	0.8	2	30	24	25.13	6 (H8)	5.6	12.34	18	6	20	11
A 1B 4MYK10020S	1	2	20	20	21.41	6 (H8)	4.3	14.53	16	9	21	13
A 1B 4MYK10025S	1	2	25	25	26.41	6 (H8)	5.3	14.70	20	8	23	13
** A 1B 4MYK10030S	1	2	30	30	31.41	8 (H8)	6.2	15.89	22	8.9	26	14.5
Steel - Sold as each												
A 1C 4MYK05020	0.5	1	20	10	10.71	3 (H8)	2.5	8	8	5	11	7
* A 1C 4MYK05025S	0.5	2	25	12.5	13.21	4 (H8)	3.0	8.11	11	5	12	7
A 1C 4MYK05030	0.5	1	30	15	15.71	4 (H8)	3.5	9.21	12	5	14	8
A 1C 4MYK08020	0.8	1	20	16	17.13	5 (H7)	3.7	11	12	6	16	10
A 1C 4MYK08025	0.8	1	25	20	21.13	5 (H7)	4.7	11.67	16	6	18	10.5
A 1C 4MYK08030	0.8	1	30	24	25.13	6 (H7)	5.6	12.34	18	6	20	11
A 1C 4MYK10020A	1	1	20	20	21.41	6 (H7)	4.3	7.53	16	2	14	6
A 1C44MYK10020A	1	1	20	20	21.41	6 (H7)	4.3	14.53	16	9	21	13

NOTE: * M3 Set Screw; ** M5 Set Screw

Catalog Number 35° Spiral Tooth	Mod.	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore	S Face Width	L Lngth.	D ₁ Hub Dia.	I ₁ Hub Proj.	A	I ₂
Steel - Sold as matched sets												
Δ A 1C44MYK10020S	1	3	20	20	21.12	8 (H7)	4.5	13.43	16	8	20	12
A 1C44MYK10020SR	1	1	20	20	21.12	6 (H7)	4.5	14.43	16	9	21	13

Δ Induction Hardened and Ground.

11.28.12 JF

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35° SPIRAL MITER GEARS • MODULE 1.25 TO 2.25



ISO CLASS 8
MODULE 1.25, 1.5, 2 & 2.25
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM



QUALITY CLASS



MATERIAL:
Steel

SPECIFICATIONS:
Sold as matched sets only
With or Without Keyway

With Keyway *

Catalog Number	w	t
A 1C44MYK15020S	4	1.8
A 1C44MYK20020S	5	2.3
A 1C44MYK22020S	5	2.3

Bore Tolerance: 10 mm +0.015/0
12, 14, 16 mm +0.018/0

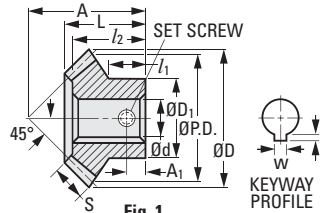


Fig. 1

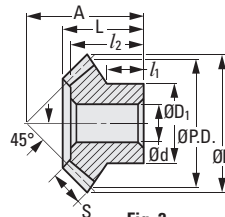


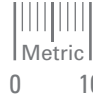
Fig. 2

METRIC COMPONENT

Catalog Number	Fig. No	No. of Teeth	P.D.	D Dia.	d Bore H7	S Face Width	L Lgth.	D ₁ Hub Dia.	l ₁ Hub Proj.	A	l ₂	A ₁	Set Screw
Module 1.25 Without Keyway - Sold as matched set													
A 1C 4MYK12020S	1	20	25	26.42	10	6	17.13	20	10	25	15.5	5	M4
Module 1.5 - Sold as matched sets													
A 1C 4MYK15020SR	2	20	30	31.85	10	7	18.49	24	10	28	16.5	—	—
A 1C 4MYKW15020S	2	20	30	31.85	10	7	11.44	24	3	21	9.5	—	—
* A 1C44MYK15020S	1	20	30	31.85	12	7	20.44	24	12	30	18.5	6	M5
Module 2 - Sold as matched sets													
A 1C 4MYK20020S	2	20	40	42.28	12	9	24.16	34	14	37	21	—	—
A 1C 4MYKW20020S	2	20	40	42.28	12	9	15.16	34	5	28	12	—	—
* A 1C44MYK20020S	1	20	40	42.28	14	9	27.16	32	16	40	24	8	M5
Module 2.25 - Sold as matched set													
* A 1C44MYK22020S	1	20	45	47.73	16	10	30.39	36	18	45	27.5	9	M6

ISO CLASS 8
 MODULE 1.5, 2, 2.5, 2.75 & 3
 20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM



QUALITY CLASS

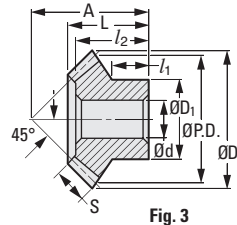
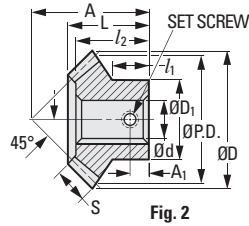
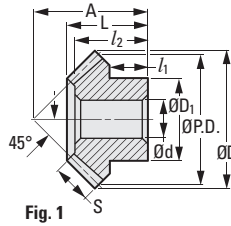
➤ **MATERIAL:**
 Steel

➤ **SPECIFICATIONS:**
 Sold as each
 With or Without Keyway

With Keyway *

Catalog Number	w	t
A 1C 4MYK25020A	6	2.8
A 1C44MYKW25020A	6	2.8
A 1C 4MYK27020A	6	2.8
A 1C 4MYKW30020A	6	2.8
A 1C44MYKW30020A	8	3.3

Bore Tolerance: 10 mm +0.015/0
 12, 14, 16 & 18 mm +0.018/0
 20, 22 & 25 mm +0.021/0



METRIC COMPONENT

Catalog Number	Fig. No	No. of Teeth	P.D.	D Dia.	d Bore H7	S Face Width	L Lgth.	D ₁ Hub Dia.	I ₁ Hub Proj.	A	l ₂	A ₁	Set Screw
Module 1.5													
A 1C 4MYK15020R	3	20	30	32.12	10	6	11	24	3	21	9	-	-
A 1C44MYK15020R	3	20	30	32.12	10	6.8	18.53	24	10	28	16.5	-	-
A 1C 4MYK15030R	1	30	45	47.12	12	9.3	14.83	33	4.34	30	12.5	-	-
A 1C44MYK15030R	1	30	45	47.12	12	9.3	22.83	33	12.34	38	21	-	-
Module 2													
A 1C 4MYK20020R	3	20	40	42.83	12	8.5	15	34	5	28	12	-	-
A 1C44MYK20020R	3	20	40	42.83	12	8.5	24	34	14	37	21	-	-
A 1C 4MYK20030R	1	30	60	62.83	16	12.4	19.77	44	5.79	40	17	-	-
A 1C44MYK20030R	1	30	60	62.83	16	12.4	30.77	44	16.79	51	28	-	-
Module 2.5													
* A 1C 4MYK25020A	2	20	50	53.54	18	10.3	33.54	40	20	50	30	10	M6
A 1C 4MYKW25020	3	20	50	53.54	14	11.1	19.06	42	6	35	15	-	-
A 1C44MYK25020	3	20	50	53.54	14	11.1	32.06	42	19	48	28	-	-
* A 1C44MYKW25020A	2	20	50	53.54	18	11.1	32	42	19	48	28	-	-
A 1C 4MYK25030	3	30	75	78.54	16	15.5	24.71	55	7.5	50	21.5	-	-
A 1C44MYK25030	3	30	75	78.54	18	15.5	37.71	55	20.5	63	34.5	-	-
Module 2.75													
* A 1C 4MYK27020A	2	20	55	58.89	20	10.8	35.54	44	21	54	32	10.5	M6
Module 3													
A 1C 4MYK30020	3	20	60	64.24	16	13.6	39.06	50	23	58	35	-	-
* A 1C 4MYKW30020A	2	20	60	64.24	22	12	38.01	48	22	58	34	11	M6
* A 1C44MYKW30020A	2	20	60	64.24	25	12	38.01	48	22	58	34	11	M8
A 1C 4MYK30030	3	30	90	94.24	20	18.6	29.65	66	8.64	60	25	-	-
A 1C44MYK30030	3	30	90	94.24	22	18.6	44.65	66	23.64	75	40	-	-



Request Info

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STRAIGHT MITER GEARS • MODULE 0.6 TO 1.5

SDP/SI

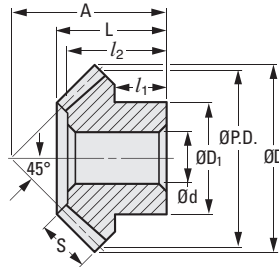
ISO CLASS 8
MODULE 0.6, 1 & 1.5
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM



QUALITY CLASS

> **MATERIAL:**
Aluminum, Brass, Steel or Stainless Steel



METRIC COMPONENT

Catalog Number			Material
Module 0.6	Module 1	Module 1.5	
A 1A 4MY06020	A 1A 4MY10020	A 1A 4MY15020	Aluminum 2024 T4
A 1B 4MY06020	A 1B 4MY10020	A 1B 4MY15020	Brass ASTM B-16
A 1C 4MY06020	A 1C 4MY10020	A 1C 4MY15020	Steel SAE 4140
A 1X 4MY06020	A 1X 4MY10020	A 1X 4MY15020	Stainless Steel AISI 416

Module	No. of Teeth	P.D.	D Dia.	d Bore H8	d Tolerance	S Face Width	L Length	D ₁ Hub Dia.	l ₁ Hub Proj.	A	l ₂
0.6	20	12	12.8	4	+0.018/0	3	6.4	7	3	10	5.5
1	20	20	21.4	8	+0.022/0	5	10.9	12	5	17	9.5
1.5	20	30	*31.5	12	+0.027/0	7	15.5	18	7	25	13

* Truncated O.D., Actual O.D. = 32.1

MODULE 0.5, 0.8, 1, 1.5, 2, 2.5, 3, & 3.5
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

➤ MATERIAL:
Acetal

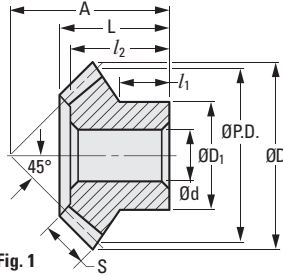


Fig. 1

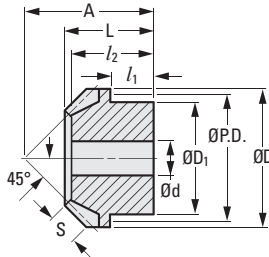


Fig. 2

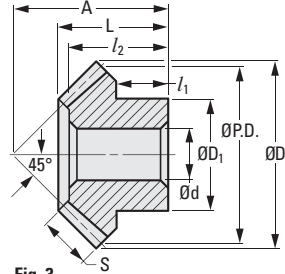


Fig. 3



METRIC COMPONENT

Catalog Number	Mod.	P.D.	D Dia.	d Bore	S Face Width	L Length	D ₁ Hub Dia.	l ₁ Hub Proj.	A	l ₂
Fig. 1 16 Teeth										
A 1M 4MYZ05	0.5	8	8.7	3	2	8	7	6	10.5	8
A 1M 4MYZ10	1	16	17.6	5	4.7	13.6	12	8	18.4	—
A 1M 4MYZ15	1.5	24	26.4	8	7	18.4	18.5	10	25.8	16.2
A 1M 4MYZ20A	2	32	34.9	8	10	21.2	21.9	9.6	30.4	18.3
A 1M 4MYZ20	2	32	34.9	10	10	21.2	21.9	9.6	30.4	18.3
A 1M 4MYZ25A	2.5	40	43.5	8	12.3	25.5	25.2	11.5	37	22.9
A 1M 4MYZ25	2.5	40	43.5	12	12.3	25.5	25.2	11.5	37	22.9
A 1M 4MYZ30A	3	48	52.3	14	13.8	29.2	28.8	13.2	43	25.8
A 1M 4MYZ30B	3	48	52.3	15	13.8	29.2	28.8	13.2	43	25.8
A 1M 4MYZ30C	3	48	52.3	17	13.8	29.2	28.8	13.2	43	25.8
A 1M 4MYZ30	3	48	52.3	20	13.8	29.2	28.8	13.2	43	25.8
A 1M 4MYZ35	3.5	56	61.4	18	15.8	33.1	33.3	14.4	49.5	28.1
A 1M 4MYZ35A	3.5	56	61.4	20	15.8	33.1	33.3	14.4	49.5	28.1
Fig. 2 20 Teeth										
A 1M 4MYH05	0.5	10	10.7	3	2.5	8	8	4	11	7
A 1M 4MYH08	0.8	16	17.1	5	3.5	10.8	12	5	16	10
A 1M 4MYH10	1	20	21.4	6	4.5	14.6	16	7	21	13
A 1M 4MYH15	1.5	30	32.1	8	7	20.6	20	10	30	19
Fig. 3 30 Teeth										
A 1M 4MYZ10A	1	30	31.4	6	7.2	15.3	15	7.5	24.8	12.9

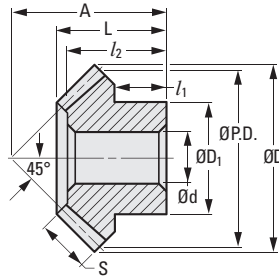
STRAIGHT MITER GEARS • MODULE 1 TO 3.5



MODULE 1, 1.5, 2, 2.5, 3, & 3.5
20° PRESSURE ANGLE

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► MATERIAL:
Die Cast Zinc



METRIC COMPONENT

Catalog Number	Mod.	P.D.	D Dia.	d Bore	S Face Width	L Length	D ₁ Hub Dia.	l ₁ Hub Proj.	A	l ₂
16 Teeth										
A 1D 4MYZ10020	1	16	17.3	6	4.5	13.1	12	7.5	17.7	13.1
A 1D 4MYZ15020	1.5	24	26	8	6.7	18.6	19	10.8	25.7	17
A 1D 4MYZ20020	2	32	34.6	10	9.6	21.3	23	10	30	19.2
A 1D 4MYZ25020	2.5	40	43.3	12	12.3	25.5	26	12	36	22.9
A 1D 4MYZ30020	3	48	52.3	14	14	29.3	30	13	42.5	26
A 1D 4MYZ35020	3.5	56	61.5	16	15.5	33.2	34	14	49.4	29.1



ISO CLASS 6

35° SPIRAL ANGLE

MODULE 2, 2.5, 3 & 4

20° PRESSURE ANGLE

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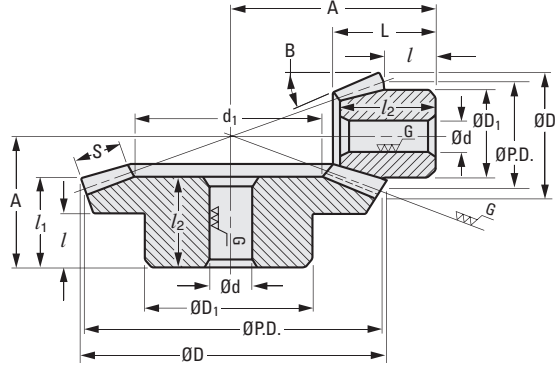


> MATERIAL:

AISI 1045 Steel, Tooth Surfaces
Induction Hardened to HRC 48...53

> FINISH:

Black Oxide, except Ground Bore
and Tooth Surfaces



METRIC COMPONENT

Catalog Number	Mod.	No. of Teeth	d Bore H7	P.D.	D Dia.	S Face Width	L Length	D ₁ Hub Dia.	l Hub Proj.	A Mtg. Dist.	d ₁	l ₁ Crown to Back	l ₂ Lngth. of Bore	B Face Angle
Ratio 2:3														
S13S2YMK20G20L10	2	20	10	40	43.55	11	24.91	30	11.67	45	21.34	16.18	22	37° 40'
S13S2YMK20G30R12	2	30	12	60	61.6	11	26.6	35	15	40	37.56	21.2	23	60° 43'
S13S2YMK25G20L12	2.5	20	12	50	54.53	15	30.88	40	14.17	55	27.42	18.98	28	37° 41'
S13S2YMK25G30R15	2.5	30	15	75	77.09	15	33.86	45	18	50	45.61	26.56	30	61° 01'
S13S2YMK30G20L16	3	20	16	60	65.58	17	40.17	45	20	70	34.71	26.86	37	38° 45'
S13S2YMK30G30R16	3	30	16	90	92.21	17	35.34	50	17	55	57.14	26.66	31	59° 20'
S13S2YMK40G20L20	4	20	20	80	87.34	20	48.17	60	23.33	90	46.89	32.45	43	38° 25'
S13S2YMK40G30R20	4	30	20	120	122.85	20	47.49	70	25	75	78.59	37.14	40	58° 52'
Ratio 1:2														
S13S3YMK20G20L12	2	20	12	40	44.1	15	34	32	18	60	21.11	21	32	29° 58'
S13S3YMK20G40R12	2	40	12	80	81	15	32.2	40	18	45	48.8	26	27	65° 20'
S13S3YMK25G20L12	2.5	20	12	50	55.2	20	43.61	40	22.5	75	20.53	26.3	40	30° 18'
S13S3YMK25G40R15	2.5	40	15	100	101.27	20	39.65	50	20	55	59.26	31.27	34	65° 50'
S13S3YMK30G20L16	3	20	16	60	66.07	22	50.63	50	27.5	90	29.63	31.52	47	29° 50'
S13S3YMK30G40R20	3	40	20	120	121.48	22	45.76	60	24	65	73.78	36.47	38	65° 03'
S13S3YMK40G20L20	4	20	20	80	88.5	28	66.24	60	35	120	42.8	42.12	62	30° 47'
S13S3YMK40G40R20	4	40	20	160	162.07	28	53.68	70	28	80	102.44	42.07	45	65° 30'
Ratio 1:3														
S13S4YMK20G15L10	2	15	10	30	34.78	15	29.66	24	14	60	19.15	15.8	29	22° 50'
S13S4YMK20G45R12	2	45	12	90	90.67	15	30.29	40	17	40	59.07	26.01	26	73° 25'
S13S4YMK25G15L12	2.5	15	12	37.5	43.36	20	38.27	30	17.5	75	20.48	19.73	37	22° 22'
S13S4YMK25G45L15	2.5	45	15	112.5	113.32	20	38.25	50	22	50	72.82	32.47	35	73° 13'
S13S4YMK30G15L15	3	15	15	45	52.08	23	44.98	38	21.33	90	28.52	23.68	44	22° 32'
S13S4YMK30G45L20	3	45	20	135	135.99	23	40.59	60	20	55	88.2	33.98	35	73° 18'

NOTE: R or L in catalog number indicates right- or left-hand direction of helix.



ISO CLASS 8
MODULE 0.5, 0.8 & 1
20° PRESSURE ANGLE

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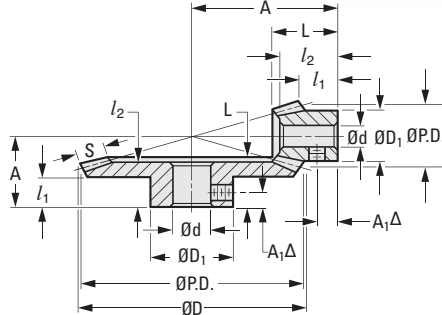
QUALITY CLASS

➤ **MATERIAL:**
Brass or Steel

➤ **SPECIFICATIONS:**

Brass Bore Tolerance: 3 mm +0.014/0
4, 5 & 6 mm +0.018/0

Steel Bore Tolerance: 6 mm +0.012/0
8 & 10 mm +0.015/0



Δ Only A 1C33MYK10020S and A 1C33MYK10040S have tapped holes with set screw

METRIC COMPONENT

Catalog Number	Mod.	No. of Teeth	P.D.	D Dia.	d Bore H8	S Face Width	L Length	D ₁ Hub Dia.	l ₁ Hub Proj.	A	l ₂
Ratio 1:2 Brass											
A 1B 3MYK05020	0.5	20	10	10.89	3	3.2	8.54	8	5	15.52	8
A 1B 3MYK05040	0.5	40	20	20.45	4	3.2	7.31	12	4	10.56	6.3
A 1B 3MYK08020	0.8	20	16	17.43	5	4.5	10.79	12	5.5	22.5	10
A 1B 3MYK08040	0.8	40	32	32.72	6	4.5	11.01	20	6	16.46	9.5

Catalog Number	Mod.	No. of Teeth	P.D.	D Dia.	d Bore H7	S Face Wdth.	L Lgth.	D ₁ Hub Dia.	l ₁ Hub Proj.	A	l ₂	A ₁	Set Screw Δ
Ratio 1:2 Steel													
A 1C 3MYK10020	1	20	20	21.79	6	5.7	15.03	16	8.6	29.6	14	—	—
A 1C 3MYK10040	1	40	40	40.89	8	5.7	15.02	25	8	21.8	13	—	—
A 1C33MYK10020S	1	20	20	21.79	8	5.7	15.03	16	8.6	29.6	14	4	M4
A 1C33MYK10040S	1	40	40	40.89	10	5.7	15.02	25	8	21.8	13	4	M5
Ratio 1:3 Steel													
A 1C 3MYK10015	1	15	15	17.67	6	6.7	15.16	13	8.17	31	14.4	—	—
A 1C 3MYK10045	1	45	45	45.37	10	6.7	14.97	25	8	20	12.9	—	—

ISO CLASS 8
MODULE 1.5, 2, 2.5 & 3
20° PRESSURE ANGLE

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QUALITY CLASS



> MATERIAL:

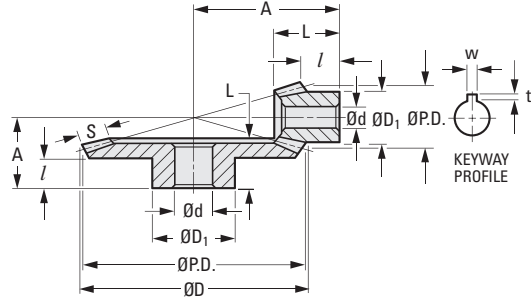
Without Keyway – Steel
With Keyway – AISI 1045 Steel,
Tooth Surfaces Induction Hardened
to HRC 48...53

> FINISH:

With Keyway – Black Oxide, Except
Ground Bore and Tooth Surfaces

> SPECIFICATIONS:

Bore Tolerance (H8): 8 & 10 mm +0.022/0
12, 14, 15, 16 & 18 mm +0.027/0
25 mm +0.033/0



METRIC COMPONENT

Catalog Number	Mod.	No. of Teeth	P.D.	D Dia.	d Bore H8	S Face Width	L Length	D ₁ Hub Dia.	l Hub Proj.	A
Ratio 1:2 Without Keyway										
A 1C 3MYK15018	1.5	18	27	29.68	8	9.8	22.96	22	12.5	40.74
A 1C 3MYK15036	1.5	36	54	55.34	10	9.8	18.54	30	10	26.75
* A 1C 3MYK20018H	2	18	36	39.58	10	12.6	29	28	15.12	53.12
A 1C 3MYK20036	2	36	72	73.79	12	12.6	24.07	36	13	35.21
A 1C 3MYK25018	2.5	18	45	49.47	12	16.7	34.97	36	17	64.29
A 1C 3MYK25036	2.5	36	90	92.24	14	16.7	29.01	50	15	42.55
A 1C 3MYK30018A	3	18	54	59.37	15	20	40.06	41	18	75.27
* A 1C 3MYK30036H	3	36	108	110.68	16	20	36.06	60	19	52.32
Ratio 1:3 Without Keyway										
A 1C 3MYK15015	1.5	15	22.5	26.51	8	10.1	22.29	19.5	11.78	46
A 1C 3MYK15045	1.5	45	67.5	68.06	12	10.1	22.47	37.5	12	30
A 1C 3MYK25015	2.5	15	37.5	44.18	10	19	40.41	32	20.8	77.93
A 1C 3MYK25045	2.5	45	112.5	113.44	16	19	28.74	60	14	40.67
A 1C 3MYK30015	3	15	45	53.02	12	23	44.53	36	20.3	89.36
A 1C 3MYK30045	3	45	135	136.12	18	23	36.69	70	19	50.95

* Catalog Numbers ending in **H** are induction hardened.

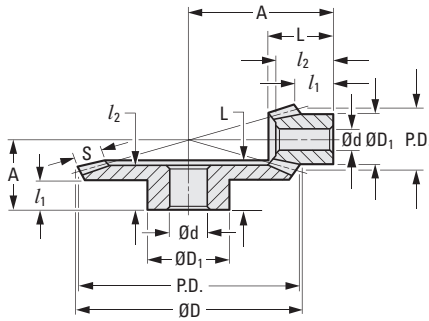
Catalog Number	Mod.	No. of Teeth	P.D.	D Dia.	d Bore H8	S Face Wdth.	L Lgth.	D ₁ Hub Dia.	l Hub Proj.	A	w	t
Ratio 1:2 With Keyway												
A 1C33MYK15018H	1.5	18	27	29.68	10	9.8	22.96	22	12.5	40.74	3	1.4
A 1C33MYK15036H	1.5	36	54	55.34	15	9.8	18.54	30	10	26.75	5	2.3
A 1C33MYK20018H	2	18	36	39.58	12	12.6	29	28	15.12	53.12	4	1.8
A 1C33MYK20036H	2	36	72	73.79	18	12.6	24.07	36	13	35.21	6	2.8
A 1C33MYK30018H	3	18	54	59.37	16	13.4	40.06	41	18	75.27	5	2.3
A 1C33MYK30036H	3	36	108	110.68	25	13.4	36.06	60	19	52.32	8	3.3
Ratio 1:3 With Keyway												
A 1C33MYK30015H	3	15	45	53.02	16	23	44.53	36	20.3	89.36	5	2.3
A 1C33MYK30045H	3	45	135	136.12	25	23	36.69	70	19	50.95	8	3.3

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MODULE 0.5, 0.8, 1, 1.5, 2, 2.5, & 3
20° PRESSURE ANGLE

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› MATERIAL:
Acetal



METRIC COMPONENT

Catalog Number	Mod.	No. of Teeth	P.D.	D Dia.	d Bore	S Face Width	L Length	D ₁ Hub Dia.	l Hub Proj.	A	l ₂
Ratio 1:1.5											
A 1M 3MYZ1516	1.5	16	24	26	8	8	18.8	20	10.8	30	17.8
A 1M 3MYZ1524	1.5	24	36	37	10	8	19.6	24	11.3	26.6	18.2
Ratio 1:2											
A 1M 3MYH0520	0.5	20	10	11.2	3	2.5	8.5	8	4	16	8.5
A 1M 3MYH0540	0.5	40	20	20.3	4	2.5	8.3	12	4	12	7
A 1M 3MYH0820	0.8	20	16	17.9	4	3.5	11.5	12	5	24	11.5
A 1M 3MYH0840	0.8	40	32	32.5	5	3.5	11.9	15	6	18	10
A 1M 3MYH1020	1	20	20	22.4	5	4.5	14.5	15	7	30	14.5
A 1M 3MYH1040	1	40	40	40.6	6	4.5	14.5	18	7	22	12
A 1M 3MYZ1015	1	15	15	16.8	5	6.6	17	12.2	10.6	26.4	17
A 1M 3MYZ1030	1	30	30	31.1	8	6.6	16.2	18	9.1	20.9	14.8
A 1M 3MYZ1515	1.5	15	22.5	25.4	8	10.5	22.8	17	11.5	35.8	22.8
A 1M 3MYZ1530	1.5	30	45	46.4	10	10.5	19.5	23.4	9.6	26.2	17.5
A 1M 3MYZ2015	2	15	30	33.6	10	14.6	27	22.5	11.8	44.2	26
A 1M 3MYZ2015A	2	15	30	33.6	15	14.6	27	22.5	11.8	44.2	26
A 1M 3MYZ2030A	2	30	60	62.2	10	14.6	24.2	30.2	11.8	32.6	22.6
A 1M 3MYZ2030	2	30	60	62.2	12	14.6	24.2	30.2	11.8	32.6	22.6
A 1M 3MYZ2030B	2	30	60	62.2	15	14.6	24.2	30.2	11.8	32.6	22.6
A 1M 3MYZ2515	2.5	15	37.5	42	12	17.3	31.2	26.5	13	53.3	29.6
A 1M 3MYZ2530A	2.5	30	75	77.3	14	17.3	29.5	36.1	15	40.5	27.5
A 1M 3MYZ2530	2.5	30	75	77.3	16	17.3	29.5	36.1	15	40.5	27.5
A 1M 3MYZ3015	3	15	45	50.3	14	20.5	36.3	31.2	14.8	63.3	35
A 1M 3MYZ3030	3	30	90	93	18	20.5	37	45	19	49.5	34.2
A 1M 3MYZ3030A	3	30	90	93	35	20.5	37	45	19	49.5	34.2

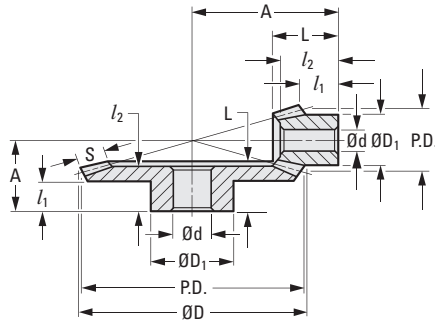
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MODULE 1, 1.5, 2, 2.5
20° PRESSURE ANGLE

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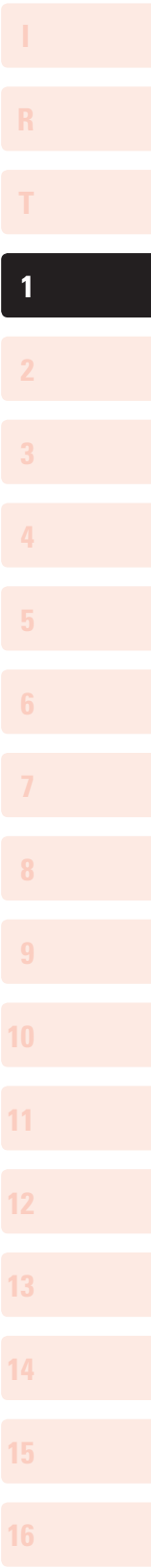
› MATERIAL:
Acetal



METRIC COMPONENT

Catalog Number	Mod.	No. of Teeth	P.D.	D Dia.	d Bore	S Face Width	L Length	D ₁ Hub Dia.	l Hub Proj.	A	l ₂
Ratio 1:3											
A 1M33MYZ1015A	1	15	15	16.6	4	9.2	20.4	12.3	11	34.3	—
A 1M33MYZ1015	1	15	15	16.6	5	9.2	20.4	12.3	11	34.3	—
A 1M33MYZ1045	1	45	45	46.1	10	9.2	18.2	23.4	9.6	22.7	16.5
A 1M33MYZ1045A	1	45	45	46.1	12	9.2	18.2	23.4	9.6	22.7	16.5
A 1M33MYZ1515	1.5	15	22.5	25.1	8	14	26.8	17.2	12.5	47.9	—
A 1M33MYZ1545	1.5	45	67.5	68.8	12	14	23	30.4	11.5	29.4	21.5
A 1M33MYZ2010	2	10	20	24	6	12.5	25	15.5	12	43.7	—
A 1M33MYZ2030	2	30	60	61.7	12	12.5	22.5	30.3	11.5	28	19.8
A 1M33MYZ2510	2.5	10	25	29.7	8	15.7	28.8	18.8	13	52.4	—
A 1M33MYZ2530	2.5	30	75	77.2	18	15.7	29	36.1	15.5	35.7	25.2
Ratio 1:4											
A 1M 3MYZ1010	1	10	10	12	4	8.2	17.7	7.8	9.3	30.1	—
A 1M 3MYZ1040	1	40	40	40.8	10	8.2	17	23.4	10.8	20.1	15.7
A 1M 3MYZ1510	1.5	10	15	18	5	12.3	23.5	11.3	10.9	41.7	—
A 1M 3MYZ1540	1.5	40	60	61.2	12	12.3	21.7	30.4	12.8	26.2	20
A 1M 3MYZ2010	2	10	20	23.8	6	16.3	28.9	14.3	12.8	54	—
A 1M 3MYZ2040A	2	40	80	81.5	10	16.3	27	36	16.6	32.5	24.7
A 1M 3MYZ2040	2	40	80	81.5	18	16.3	27	36	16.6	32.5	24.7
Ratio 1:5											
A 1M 3MYZ1012	1	12	12	13.7	4	9.5	20.3	9.5	10	40.5	—
A 1M 3MYZ1060	1	60	60	60.4	10	9.5	17.4	20.5	11	21	15.5

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WORMS & WORM GEARS • MODULE 0.5



ISO CLASS 8
RIGHT-HAND
20° PRESSURE ANGLE

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QUALITY CLASS

► **MATERIAL:**
Worms - Steel
Worm Gears - Aluminum Bronze

► **SPECIFICATIONS:**

Thread Data

	Single Thread	Double Thread
Lead	1.571	3.142
Lead Angle	3° 11'	6° 20'

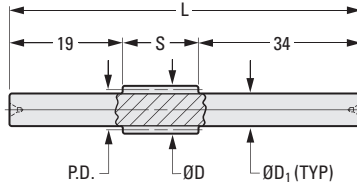


Fig. 1

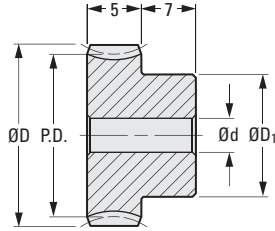


Fig. 2

METRIC COMPONENT

Catalog Number	Thread Data		P.D.	D Dia.	D ₁ Dia. h7 (-0.012)	S Face Width	L
	Sgl. Thd.	Dbl. Thd.					
Fig. 1 Worms – Right-Hand – Steel							
A 1C 5MYH05RC	•		9	10	6	12	65
A 1C 5MWH05RC		•	9	10	6	12	65

Catalog Number	Thread Data		No. of Teeth	P.D.	D Dia.	d Bore H7 (+0.012 / 0)	D ₁ Hub Dia.
	Sgl. Thd.	Dbl. Thd.					
Fig. 2 Worm Gears – Right-Hand – Aluminum Bronze							
A 1B 6MYH05R020	•		20	10	11	4	9
A 1B 6MWH05R020		•	20	10	11	4	9
A 1B 6MYH05R030	•		30	15	16	4	12
A 1B 6MWH05R030		•	30	15	16	4	12
A 1B 6MYH05R040	•		40	20	21	5	15
A 1B 6MYH05R050	•		50	25	26	5	20
A 1B 6MYH05R060	•		60	30	31	5	25



ISO CLASS 8
RIGHT-HAND
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM



QUALITY CLASS

> **MATERIAL:**

Worms – Steel
Worm Gears – Aluminum Bronze

> **SPECIFICATIONS:**

Thread Data

	Single Thread	Double Thread
Lead	2.513	5.026
Lead Angle	3° 49'	7° 36'

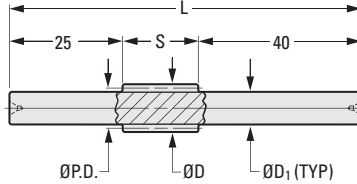


Fig. 1

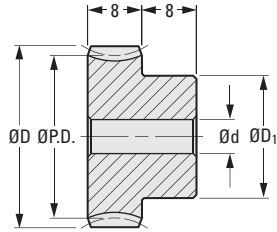


Fig. 2

METRIC COMPONENT

Catalog Number	Thread Data		P.D.	D Dia.	D ₁ Dia. h7 (0 -0.015)	S Face Width	L
	Sgl. Thd.	Dbl. Thd.					
Fig. 1 Worms – Right-Hand – Steel							
A 1C 5MYH08RC	•		12	13.6	8	20	85
A 1C 5MWH08RC		•	12	13.6	8	20	85

Catalog Number	Thread Data		No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	D ₁ Hub Dia.
	Sgl. Thd.	Dbl. Thd.						
Fig. 2 Worm Gears – Right-Hand – Aluminum Bronze								
A 1B 6MYH08R020	•		20	16	17.6	5	+0.012/0	12
A 1B 6MWH08R020		•	20	16	17.6	5	+0.012/0	12
A 1B 6MYH08R030	•		30	24	25.6	5	+0.012/0	18
A 1B 6MWH08R030		•	30	24	25.6	5	+0.012/0	18
A 1B 6MYH08R040	•		40	32	33.6	6	+0.012/0	20
A 1B 6MYH08R050	•		50	40	41.6	8	+0.015/0	25
A 1B 6MYH08R060	•		60	48	49.6	8	+0.015/0	25



RIGHT-HAND
SINGLE THREAD
20° PRESSURE ANGLE

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MATERIAL:
Worms – Stainless Steel
Worm Gears – Acetal

SPECIFICATIONS:
Thread Data

	Single Thread
Lead	2.521
Lead Angle	4° 24'

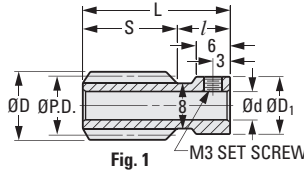


Fig. 1

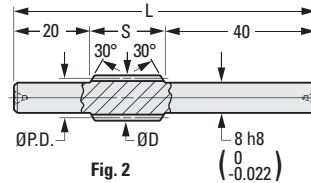


Fig. 2

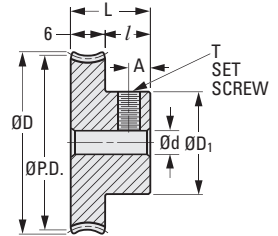


Fig. 3

METRIC COMPONENT

Catalog Number	Fig. No.	P.D.	D Dia.	d Bore H8 (+0.018) 0	S Face Width	L	D ₁ Hub Dia.	l Hub Proj.
Fig. 1 & 2 Worms – Right-Hand – Stainless Steel								
A 1Y 5MYK08RA	1	10.4	12	5	17	26	10.1	9
A 1Y 5MYK08RB	2	10.4	12	–	20	80	–	–

Catalog Number	Fig. No.	No. of Teeth	P.D.	D Dia.	d Bore H8 (+0.018) 0	L	D ₁ Hub Dia.	l Hub Proj.	A	T Set Screw
Fig. 3 Worm Gears – Right-Hand – Acetal										
A 1P 6MYK08R020	3	20	16	17.7	5	12	12	6	3	M3
A 1P 6MYK08R030	3	30	24	25.7	5	12	16	6	3	M3
A 1P 6MYK08R040	3	40	32	33.7	6	14	18	8	4	M4
A 1P 6MYK08R050	3	50	40	41.7	6	14	20	8	4	M4

ISO CLASS 8
RIGHT-HAND
20° PRESSURE ANGLE

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> MATERIAL:

Worms – Steel
Worm Gears – Aluminum Bronze

QUALITY CLASS

> SPECIFICATIONS:

Thread Data

	Single Thread	Double Thread
Lead	3.146	6.311
Lead Angle	3° 35'	7° 08'

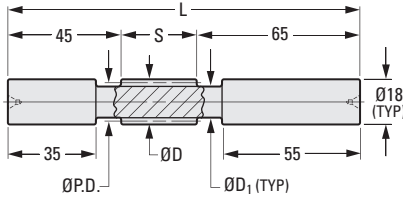


Fig. 1

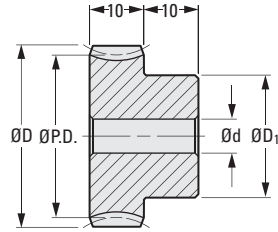


Fig. 2

METRIC COMPONENT

Catalog Number	Thread Data		P.D.	D Dia.	D ₁ Dia. h7 (0 -0.018)	S Face Width	L
	Sgl. Thd.	DbL. Thd.					
Fig. 1 Worms – Right-Hand – Steel							
A 1C 5MYH10RC	•		16	18	13	30	140
A 1C 5MWH10RC		•	16	18	13	30	140

Catalog Number	Thread Data		No. of Teeth	P.D.	D Dia.	d Bore H7	d Tolerance	D ₁ Hub Dia.
	Sgl. Thd.	DbL. Thd.						
Fig. 2 Worm Gears – Right-Hand – Aluminum Bronze								
A 1B 6MYH10R020	•		20	20	23	6	+0.012/0	16
A 1B 6MWH10R020		•	20	20	23	6	+0.012/0	16
A 1B 6MYH10R030	•		30	30	33	6	+0.012/0	20
A 1B 6MWH10R030		•	30	30	33	6	+0.012/0	20
A 1B 6MYH10R040	•		40	40	43	8	+0.015/0	26
A 1B 6MYH10R050	•		50	50	53	8	+0.015/0	30
A 1B 6MYH10R060	•		60	60	63	10	+0.015/0	35

- I
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- A

WORMS – RIGHT- AND LEFT-HAND
 WORM GEARS – RIGHT-HAND
 20° PRESSURE ANGLE

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► **MATERIAL:**

- Worms – Steel
- Worm Gears: Gear – Acetal
- Insert – Brass

► **SPECIFICATIONS:**

Thread Data

	Single Thread	Double Thread
Lead	3.148	6.333
Lead Angle	3° 35'	7° 11'

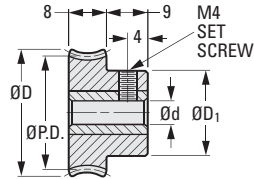
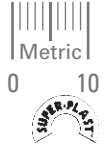


Fig. 4

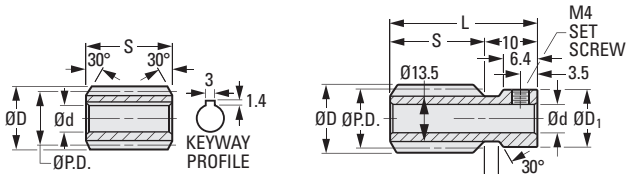


Fig. 1

Fig. 2

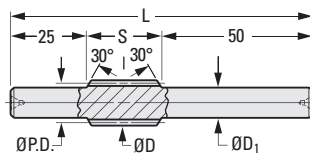


Fig. 3

METRIC COMPONENT

Catalog Number	Thread Data				P.D.	D Dia.	d Bore H8	d Tol.	S Face Width	L	D ₁ Dia.	D ₁ Tol.
	Sgl. Thd.	DbL. Thd.	Right-Hand	Left-Hand								

Fig. 1 Worms – Right- and Left-Hand – Steel												
A 1C 5MYK10RA	•		•		16	18	8	+0.022/0	25	–	–	–
A 1C 5MWK10RA		•	•		16	18	8	+0.022/0	25	–	–	–
A 1C 5MYK10LA	•			•	16	18	8	+0.022/0	25	–	–	–
A 1C 5MWK10LA		•		•	16	18	8	+0.022/0	25	–	–	–

Fig. 2												
A 1C 5MYK10RB	•		•		16	18	6	+0.018/0	22	32	15.7	–
A 1C 5MWK10RB		•	•		16	18	6	+0.018/0	22	32	15.7	–
A 1C 5MYK10LB	•			•	16	18	6	+0.018/0	22	32	15.7	–
A 1C 5MWK10LB		•		•	16	18	6	+0.018/0	22	32	15.7	–

Fig. 3												
A 1C 5MYK10RC	•		•		16	18	–	–	25	100	13 (h8)	0/-0.027
A 1C 5MWK10RC		•	•		16	18	–	–	25	100	13 (h8)	0/-0.027
A 1C 5MYK10LC	•			•	16	18	–	–	25	100	13 (h8)	0/-0.027
A 1C 5MWK10LC		•		•	16	18	–	–	25	100	13 (h8)	0/-0.027

Catalog Number	Thread Data		No. of Teeth	P.D.	D Dia.	d Bore H8 (+0.018) ₀	D ₁ Hub Dia.
	Sgl. Thd.	DbL. Thd.					

Fig. 4 Worm Gears – Right-Hand – Acetal with Brass Insert							
A 1Z 6MWK10R020R		•	20	20	23	6	16
A 1Z 6MYK10R020R	•		20	20	23	6	16
A 1Z 6MYK10R030R		•	30	30	33	6	20

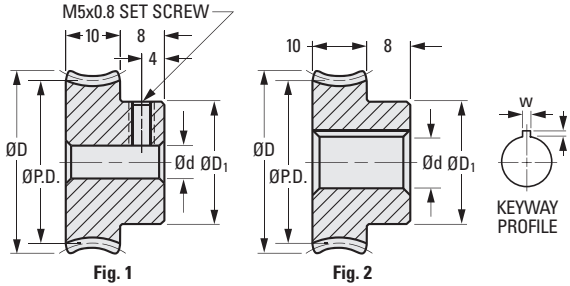
ISO CLASS 8
WORM GEARS – RIGHT- AND LEFT-HAND
WITH OR WITHOUT KEYWAY
20° PRESSURE ANGLE

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QUALITY CLASS

➤ MATERIAL:
Aluminum Bronze



METRIC COMPONENT

Catalog Number	Thread Data				No. of Teeth	P.D.	D Dia.	d Bore H8	d Tol.	D ₁ Hub Dia.
	Sgl. Thd.	DbI. Thd.	Right-Hand	Left-Hand						
Fig. 1 Worm Gears – Right- and Left-Hand – Aluminum Bronze										
A 1B 6MYK10R020	•		•		20	20	23.5	6	+0.018/0	17
A 1B 6MYK10L020	•			•	20	20	23.5	6	+0.018/0	17
A 1B 6MWK10R020		•	•		20	20	23.5	6	+0.018/0	17
A 1B 6MYK10R030	•		•		30	30	33.5	6	+0.018/0	22
A 1B 6MYK10L030	•			•	30	30	33.5	6	+0.018/0	22
A 1B 6MWK10R030		•	•		30	30	33.5	6	+0.018/0	22
A 1B 6MYK10R040	•		•		40	40	43.5	8	+0.022/0	25
A 1B 6MYK10L040	•			•	40	40	43.5	8	+0.022/0	25
A 1B 6MYK10R050	•		•		50	50	53.5	8	+0.022/0	30
A 1B 6MYK10L050	•			•	50	50	53.5	8	+0.022/0	30

Catalog Number	Thread Data			No. of Teeth	P.D.	D Dia.	d Bore H8	d Tolerance	D ₁ Hub Dia.	w	t
	Sgl. Thd.	DbI. Thd.	Right-Hand								
Fig. 2 Worm Gears – With Keyway – Right-Hand – Aluminum Bronze											
A 1B66MYK10R020	•			20	20	23.5	8	+0.022/0	17	3	1.4
A 1B66MWK10R020		•		20	20	23.5	8	+0.022/0	17	3	1.4
A 1B66MYK10R030	•			30	30	33.5	10	+0.022/0	22	3	1.4
A 1B66MWK10R030		•		30	30	33.5	10	+0.022/0	22	3	1.4
A 1B66MYK10R040	•			40	40	43.5	10	+0.022/0	25	3	1.4
A 1B66MYK10R050K	•			50	50	53.5	12	+0.027/0	30	4	1.8

RIGHT-HAND
SINGLE THREAD
20° PRESSURE ANGLE

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> MATERIAL:
Worms – Zinc Die Cast
Worm Gears – Nylon Molded

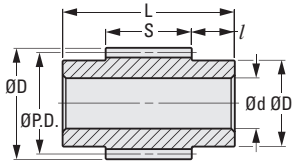


Fig. 1

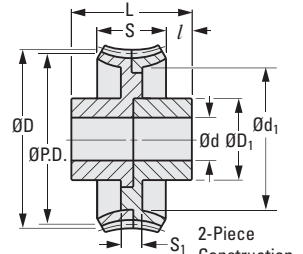


Fig. 2

2-Piece Construction

METRIC COMPONENT

Catalog Number	Module	P.D.	D Dia.	d Bore H8	d Tol.	S Face Width	L	D ₁ Hub Dia.	l Hub Proj.
Fig. 1 Worms – Right-Hand – Zinc Die Cast									
A 1D 5MYZ10	1	20	22	10	+0.015/0	17	34	17	8.5
A 1D 5MYZ20	2	32	36	14	+0.018/0	34	54	26	10

Catalog Number	Mod.	No. of Teeth	P.D.	D Dia.	d Bore H8	d Tol.	S Face Wdth.	L	D ₁ Hub Dia.	l Hub Proj.	d ₁	S ₁
Fig. 2 Worm Gears – Right-Hand – Nylon Molded												
A 1M 6MYZ10R040	1	40	40	45	10	+0.015/0	16	28	19	6	33	5
A 1M 6MYZ20R040	2	40	80	87	17	+0.018/0	25	36	29	5.5	70	6

WORMS – RIGHT-AND LEFT-HAND
 WORM GEARS – RIGHT-HAND
 20° PRESSURE ANGLE

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> MATERIAL:

Worms – Steel
 Worm Gears – Cast Iron or Acetal with Brass Insert

> SPECIFICATIONS:

Thread Data

	Single Thread	Double Thread
Lead	4.719	9.484
Lead Angle	3° 26'	6° 54'

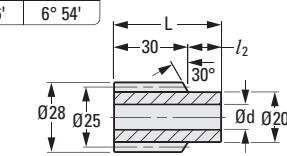


Fig. 1

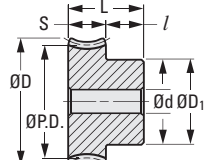


Fig. 3

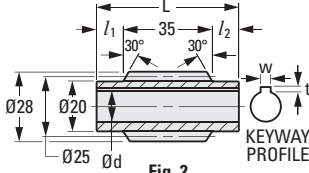


Fig. 2

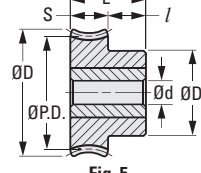


Fig. 5

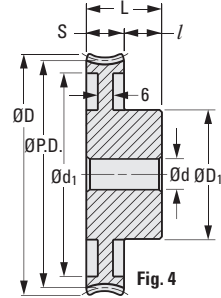


Fig. 4



METRIC COMPONENT

Catalog Number	Thread Data				d Bore H8	d Tol.	L	l ₁ Hub Proj.	l ₂ Hub Proj.	w	t
	Sgl. Thd.	Dbl. Thd.	Right-Hand	Left-Hand							
Fig. 1 Worms – Right- and Left-Hand – Steel											
A 1C 5MYK15RB	•				10	+0.022/0	43	–	13	–	–
A 1C 5MWK15RB		•	•		10	+0.022/0	43	–	13	–	–
A 1C 5MYK15LB	•			•	10	+0.022/0	43	–	13	–	–
A 1C 5MWK15LB		•		•	10	+0.022/0	43	–	13	–	–
Fig. 2 Worms – Right- and Left-Hand – Steel											
A 1C 5MYK15RC	•		•		12	+0.027/0	55	10	10	4	1.8
A 1C 5MWK15RC		•	•		12	+0.027/0	55	10	10	4	1.8
A 1C 5MYK15LC	•			•	12	+0.027/0	55	10	10	4	1.8
A 1C 5MWK15LC		•		•	12	+0.027/0	55	10	10	4	1.8

Catalog Number	Thread Data		No. of Teeth	P.D.	D Dia.	d Bore H8	d Tol.	S Face Width	L	D ₁ Hub Dia.	l Hub Proj.	d ₁ Dia.
	Sgl. Thd.	Dbl. Thd.										
Fig. 3 Worm Gears – Right-Hand – Cast Iron												
A 1C 6MYK15R020	•		20	30	34.3	8	+0.022/0	10	20	22	10	–
A 1C 6MWK15R020		•	20	30	34.3	8	+0.022/0	10	20	22	10	–
A 1C 6MYK15R030	•		30	45	50	10	+0.022/0	12	22	30	10	–
A 1C 6MWK15R030		•	30	45	50	10	+0.022/0	12	22	30	10	–
A 1C 6MYK15R040	•		40	60	65	12	+0.027/0	12	25	36	13	–
A 1C 6MWK15R050		•	50	75	80	12	+0.027/0	14	27	40	13	–
Fig. 4 Worm Gears – Right-Hand – Cast Iron												
A 1C 6MYK15R060	•		60	90	96	12	+0.027/0	14	27	40	13	81
A 1C 6MWK15R080		•	80	120	126	15	+0.027/0	14	29	50	15	111
A 1C 6MYK15R100	•		100	150	156	15	+0.027/0	14	29	50	15	141
Fig. 5 Worm Gears – Right-Hand – Acetal with Brass Insert												
A 1P 6MYK15R020	•		20	30	34.3	8	+0.022/0	10	20	22	10	–
A 1P 6MWK15R020		•	20	30	34.3	8	+0.022/0	10	20	22	10	–



ISO CLASS 8
RIGHT- AND LEFT-HAND
20° PRESSURE ANGLE

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> MATERIAL:

- Worms – Steel
- Worm Gears – Aluminum Bronze or Aluminum Bronze with Gray Cast Iron Core

> SPECIFICATIONS:

** Bore Tolerance: 8 & 10 mm +0.022/0
12, 14 & 16 mm +0.027/0

Thread Data

	Single Thread	Double Thread
Lead	4.719	9.484
Lead Angle	3° 26'	6° 54'

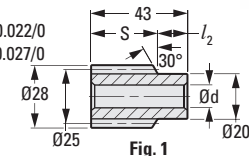


Fig. 1

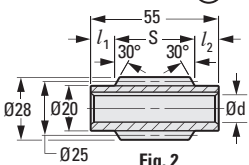


Fig. 2



QUALITY CLASS

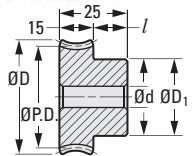


Fig. 3

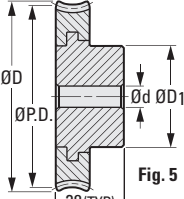


Fig. 5

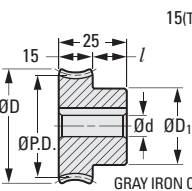


Fig. 4 * (Fig.'s 5 & 6)

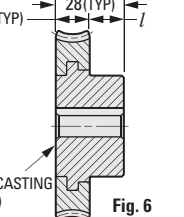


Fig. 6

METRIC COMPONENT

Catalog Number	Thread Data				d** Bore H8	S	l ₁	l ₂	w	t
	Sgl. Thd.	Dbl. Thd.	Right-Hand	Left-Hand						
Fig. 1 Worms – Right- and Left-Hand – Steel										
A 1C 5MYK15RB	•	•	•		10	30	–	13	–	–
A 1C 5MWK15RB		•	•		10	30	–	13	–	–
A 1C 5MYK15LB	•			•	10	30	–	13	–	–
A 1C 5MWK15LB		•		•	10	30	–	13	–	–
Fig. 2 Worms – Right- and Left-Hand – Steel – With Keyway										
A 1C 5MYK15RC	•		•		12	35	10	10	4	1.8
A 1C 5MWK15RC		•		•	12	35	10	10	4	1.8
A 1C 5MYK15LC	•			•	12	35	10	10	4	1.8
A 1C 5MWK15LC		•		•	12	35	10	10	4	1.8

Catalog Number	Thread Data				No. of Teeth	P.D.	D Dia.	d** Bore H8	D ₁ Hub Dia.	l Hub Proj.	w	t
	Sgl. Thd.	Dbl. Thd.	Right-Hand	Left-Hand								
Fig. 3 & 4 Worm Gears – Right- and Left-Hand – Aluminum Bronze – Fig. 4 With Keyway												
A 1B 6MYK15R020	•		•		20	30	35.3	8	25	10	–	–
A 1B66MYK15R020					20	30	35.3	12	25	10	4	1.8
A 1B 6MWK15R020			•	•	20	30	35.5	8	25	10	–	–
A 1B66MWK15R020			•	•	20	30	35.3	12	25	10	4	1.8
A 1B 6MYK15L020	•			•	20	30	35.3	8	25	10	–	–
A 1B 6MYK15R030	•		•		30	45	50.3	10	30	10	–	–
A 1B66MYK15R030A	•		•		30	45	50.3	15	30	10	5	2.3
A 1B 6MWK15R030			•	•	30	45	50.3	10	30	10	–	–
*A 1B66MWK15R030			•	•	30	45	50.3	14	30	10	5	2.3
A 1B66MWK15R030A			•	•	30	45	50.3	15	30	10	5	2.3
A 1B 6MYK15L030	•			•	30	45	50.3	10	30	10	–	–
Fig. 5 & 6 Worm Gears – Right and Left-Hand – Aluminum Bronze with Gray Cast Iron Core – Fig. 6 With Keyway												
A 1B 6MYK15R040	•		•		40	60	65.3	12	36	13	–	–
A 1B66MYK15R040			•		40	60	65.3	16	36	13	5	2.3
A 1B 6MYK15L040	•			•	40	60	65.3	12	36	13	–	–
A 1B 6MYK15R050	•		•		50	75	80.3	12	40	13	–	–
A 1B66MYK15R050A	•		•		50	75	80.3	20	40	13	6	2.8
A 1B 6MYK15L050	•			•	50	75	80.3	12	40	13	–	–

* To be discontinued when present stock is depleted.

RIGHT-HAND
MODULE 1, 1.5, 2 & 2.5
20° PRESSURE ANGLE (EXCEPT MODULE 2)

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- **MATERIAL:**
Worms – Steel, Black Oxide Finish
Worm Gears – Machined from Cast Nylon Blanks



➤ **SPECIFICATIONS:**

Thread Data

Module	Lead Angle		P.A.
	Single Thread	Double Thread	
1	3° 35'	7° 11'	20°
1.5	3° 26'	6° 54'	20°
2	3° 42'	7° 25'	14-1/2°
2.5	3° 52'	7° 46'	20°

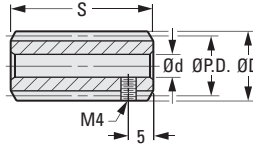


Fig. 1

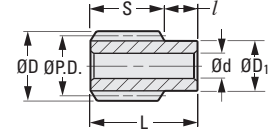


Fig. 2

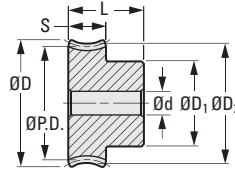


Fig. 3

METRIC COMPONENT

Catalog Number	Thread Data		Mod.	P.D.	D Dia.	d Bore H7	d Tol.	S Face Width	L	D ₁ Hub Dia.	l
	Sgl. Thd.	Dbl. Thd.									
Fig. 1 Worms – Right-Hand – Steel, Black Oxide Finish											
A 1C 5MYH10R	•		1	16	18	6	+0.012/0	32	–	–	–
A 1C 5MWH10R		•	1	16	18	6	+0.012/0	32	–	–	–
Fig. 2 Worms – Right-Hand – Steel, Black Oxide Finish											
A 1C 5MYH15R	•		1.5	25	28	8	+0.015/0	30	40	20	10
A 1C 5MWH15R		•	1.5	25	28	8	+0.015/0	30	40	20	10
A 1C 5MYH20R	•		2	31	35	12	+0.018/0	32	46	25	14
A 1C 5MWH20R		•	2	31	35	12	+0.018/0	32	46	25	14
A 1C 5MYH25R	•		2.5	37	42	15	+0.018/0	45	63	30	18
A 1C 5MWH25R		•	2.5	37	42	15	+0.018/0	45	63	30	18

Catalog Number	Thread Data		Mod.	No. of Teeth	P.D.	D ₂ Throat Dia.	D Dia.	d Bore H7	d Tol.	S Face Width	D ₁ Hub Dia.	L
	Sgl. Thd.	Dbl. Thd.										
Fig. 3 Worm Gears – Right-Hand – Machined from Cast Nylon												
A 1P 6MYH10R20	•		1	20	20	22	23	6	+0.012/0	10	16	20
A 1P 6MWH10R20		•	1	20	20	22	23	6	+0.012/0	10	16	20
A 1P 6MYH10R30	•		1	30	30	32	33	6	+0.012/0	10	20	20
A 1P 6MYH10R40	•		1	40	40	42	43	8	+0.015/0	10	26	20
A 1P 6MYH10R50	•		1	50	50	52	53	8	+0.015/0	10	30	20
A 1P 6MYH15R20	•		1.5	20	30	33	34.5	8	+0.015/0	12	22	22
A 1P 6MWH15R20		•	1.5	20	30	33	34.5	8	+0.015/0	12	22	22
A 1P 6MYH20R20	•		2	20	40	44	46	10	+0.015/0	22	33	35
A 1P 6MWH20R20		•	2	20	40	44	46	10	+0.015/0	22	33	35
A 1P 6MYH25R20	•		2.5	20	50	55	57.5	12	+0.018/0	22	35	36
A 1P 6MWH25R20		•	2.5	20	50	55	57.5	12	+0.018/0	22	35	36

ISO CLASS 8
RIGHT- AND LEFT-HAND
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

➤ MATERIAL:
Worms – Steel

➤ SPECIFICATIONS:

* Bore Tolerance: 12 & 14 mm +0.027/0

Thread Data

	Single Thread	Double Thread
Lead	6.296	12.672
Lead Angle	3° 42'	7° 25'



QUALITY CLASS

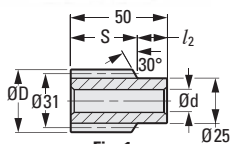


Fig. 1

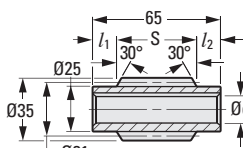
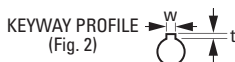


Fig. 2



METRIC COMPONENT

Catalog Number	Thread Data				d* Bore H8	S	l ₁ Hub Proj.	l ₂ Hub Proj.	w	t
	Sgl. Thd.	DbL. Thd.	Right-Hand	Left-Hand						
Fig. 1 Worms – Right- and Left-Hand – Steel										
A 1C 5MYK20RB	•		•		12	35	–	15	–	–
A 1C 5MWK20RB		•	•		12	35	–	15	–	–
A 1C 5MYK20LB	•			•	12	35	–	15	–	–
A 1C 5MWK20LB		•		•	12	35	–	15	–	–
Fig. 2 Worms – Right- and Left-Hand – Steel – With Keyway										
A 1C 5MYK20RC	•		•		14	41	12	12	5	2.3
A 1C 5MWK20RC		•	•		14	41	12	12	5	2.3
A 1C 5MYK20LC	•			•	14	41	12	12	5	2.3
A 1C 5MWK20LC		•		•	14	41	12	12	5	2.3

See the next page for mating worm gears

ISO CLASS 8
RIGHT- AND LEFT-HAND
20° PRESSURE ANGLE

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QUALITY CLASS

► MATERIAL:

Worm Gears – Aluminum Bronze or Aluminum Bronze with Gray Cast Iron Core

► SPECIFICATIONS:

** Bore Tolerance: 10 mm +0.022/0
12, 14, 16 & 18 mm +0.027/0
20 mm +0.033/0

Thread Data

	Single Thread	Double Thread
Lead	6.296	12.672
Lead Angle	3° 42'	7° 25'

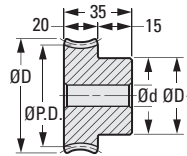


Fig. 1

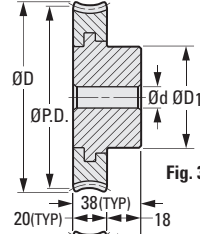


Fig. 3

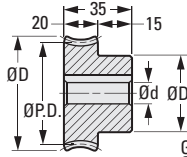
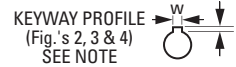


Fig. 2

GRAY IRON CASTING* (Fig. s 3 & 4)



METRIC COMPONENT

Catalog Number	Thread Data				No. of Teeth	P.D.	D Dia.	d** Bore H8	D1 Hub Dia.	w	t
	Sgl. Thd.	DbI. Thd.	Right-Hand	Left-Hand							
Fig. 1 & 2 Worm Gears – Right- and Left-Hand – Aluminum Bronze – Fig. 2 With Keyway											
A 1B 6MYK20R20	•		•		20	40	47	10	32	–	–
A 1B 6MVK20R020		•	•		20	40	47	10	32	–	–
A 1B66MVK20R020A		•	•		20	40	47	15	32	5	2.3
A 1B66MYK20R020A	•		•		20	40	47	15	32	5	2.3
A 1B 6MYK20L020	•			•	20	40	47	10	32	–	–
A 1B 6MYK20R025	•		•		25	50	57	12	38	–	–
Δ A 1B66MYK20R025	•		•		25	50	57	16	38	5	2.3
A 1B 6MYK20L025	•			•	25	50	57	12	38	–	–
A 1B 6MYK20R030	•		•		30	60	67	12	40	–	–
A 1B66MYK20R030	•		•		30	60	67	18	40	6	2.8
A 1B 6MVK20R030		•	•		30	60	67	12	40	–	–
A 1B66MVK20R030		•	•		30	60	67	18	40	6	2.8
A 1B 6MYK20L030	•			•	30	60	67	12	40	–	–
Fig. 3 Worm Gears – Right- and Left-Hand – Aluminum Bronze with Gray Cast Iron Core											
A 1B 6MYK20R040	•		•		40	80	87	14	45	–	–
* A 1B66MYK20R040	•		•		40	80	87	20	45	6	2.8
A 1B 6MYK20L040	•			•	40	80	87	14	45	–	–
Fig. 4 Worm Gears – Right- and Left-Hand – Aluminum Bronze with Gray Cast Iron Core											
A 1B 6MYK20R050	•		•		50	100	107	14	50	–	–
* A 1B66MYK20R050A	•		•		50	100	107	14	50	8	3.3
A 1B 6MYK20L050	•			•	50	100	107	25	50	–	–

Δ To be discontinued when present stock is depleted.

* This gear has a keyway.

See the previous page for mating worms

ISO CLASS 8
RIGHT- AND LEFT-HAND
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

► MATERIAL:
Worms – Steel

► SPECIFICATIONS:

* Bore Tolerance: 14 & 16 mm +0.027/0

Thread Data

	Single Thread	Double Thread
Lead	7.871	15.853
Lead Angle	3° 52'	7° 46'



QUALITY CLASS

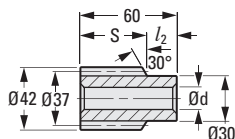


Fig. 1

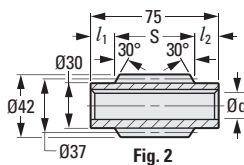


Fig. 2



METRIC COMPONENT

Catalog Number	Thread Data				d* Bore H8	S	l ₁ Hub Proj.	l ₂ Hub Proj.	w	t
	Sgl. Thd.	DbL. Thd.	Right- Hand	Left- Hand						
Fig. 1 Worms – Right- and Left-Hand – Steel										
A 1C 5MYK25RB	•		•		14	42	–	18	–	–
A 1C 5MWK25RB		•	•		14	42	–	18	–	–
A 1C 5MYK25LB	•			•	14	42	–	18	–	–
A 1C 5MWK25LB		•			14	42	–	18	–	–
Fig. 2 Worms – Right- and Left-Hand – Steel – With Keyway										
A 1C 5MYK25RC	•		•		16	47	14	14	5	2.3
A 1C 5MWK25RC		•	•		16	47	14	14	5	2.3
A 1C 5MYK25LC	•			•	16	47	14	14	5	2.3
A 1C 5MWK25LC		•		•	16	47	14	14	5	2.3

See the next page for mating worm gears

ISO CLASS 8
RIGHT- AND LEFT-HAND
20° PRESSURE ANGLE

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QUALITY CLASS

> MATERIAL:

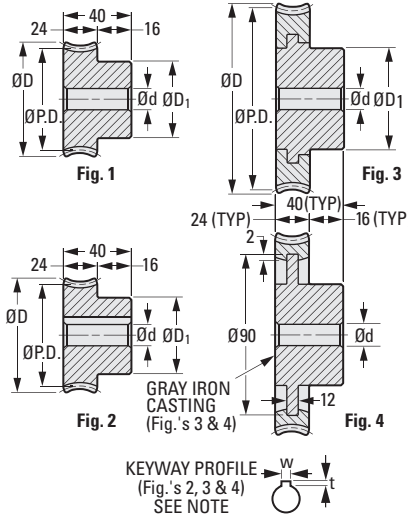
Worm Gears – Aluminum Bronze or Aluminum Bronze with Gray Cast Iron Core

> SPECIFICATIONS:

** Bore Tolerance: 12, 14, 15, 16 & 18 mm +0.027/0
20 & 25 mm +0.033/0

Thread Data

	Single Thread	Double Thread
Lead	7.871	15.853
Lead Angle	3° 52'	7° 46'



METRIC COMPONENT

Catalog Number	Thread Data				No. of Teeth	P.D.	D Dia.	d** Bore H8	D ₁ Hub Dia.	w	t
	Sgl. Thd.	Dbl. Thd.	Right-Hand	Left-Hand							
Fig. 1 & 2 Worm Gears – Right- and Left-Hand – Aluminum Bronze – Fig. 2 With Keyway											
A 1B 6MYK25R020	•		•		20	50	58.8	12	40	–	–
A 1B66MYK25R020	•		•		20	50	58.8	18	40	6	2.8
A 1B 6MWK25R020		•	•		20	50	58.8	12	40	–	–
A 1B66MWK25R020		•	•		20	50	58.8	18	40	6	2.8
A 1B 6MYK25L020	•			•	20	50	58.8	12	40	–	–
A 1B 6MYK25R030	•		•		30	75	83.8	14	50	–	–
A 1B66MYK25R030	•		•		30	75	83.8	20	50	6	2.8
A 1B 6MWK25R030		•	•		30	75	83.8	14	50	–	–
A 1B66MWK25R030		•	•		30	75	83.8	20	50	6	2.8
A 1B 6MYK25L030	•			•	30	75	83.8	14	50	–	–
Fig. 3 Worm Gears – Right- and Left-Hand – Aluminum Bronze with Gray Cast Iron Core											
A 1B 6MYK25R040	•		•		40	100	108.8	15	52	–	–
A 1B 6MYK25L040	•			•	40	100	108.8	15	52	–	–
*A 1B66MYK25R040A	•		•		40	100	108.8	25	52	8	3.3
Fig. 4 Worm Gears – Right- and Left-Hand – Aluminum Bronze with Gray Cast Iron Core											
A 1B 6MYK25R050	•		•		50	125	133.8	15	60	–	–
*Δ A 1B66MYK25R050	•		•		50	125	133.8	25	60	8	3.3
*A 1B66MYK25R050A	•		•		50	125	133.8	30	60	8	3.3
A 1B 6MYK25L050	•			•	50	125	133.8	15	60	–	–

Δ To be discontinued when present stock is depleted.
* This gear has a keyway.

See the previous page for mating worms

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ISO CLASS 8
RIGHT- AND LEFT-HAND
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

► MATERIAL:
Worms – Steel

► SPECIFICATIONS:

* Bore Tolerance: 16 mm +0.027/0
20 mm +0.033/0

Thread Data

	Single Thread	Double Thread
Lead	9.447	19.027
Lead Angle	3° 55'	7° 50'



QUALITY CLASS

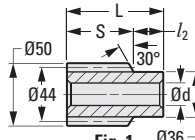


Fig. 1

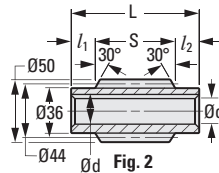


Fig. 2



SEE NOTE

METRIC COMPONENT

Catalog Number	Thread Data				Fig. No.	d* Bore H8	L	S	l ₁ Hub Proj.	l ₂ Hub Proj.	w	t
	Sgl. Thd.	DbL. Thd.	Right-Hand	Left-Hand								
Fig. 1 & 2 Worms – Right- and Left-Hand – Steel												
A 1C 5MYK30RB	•		•		1	16	70	50	–	20	–	–
A 1C 5MWK30RB		•	•		1	16	70	50	–	20	–	–
A 1C 5MYK30LB	•			•	1	16	70	50	–	20	–	–
A 1C 5MWK30LB		•		•	1	16	70	50	–	20	–	–
A 1C 5MYK30RCA	•		•		2	20	85	55	15	15	6	2.8
A 1C 5MWK30RC		•	•		2	20	85	55	15	15	6	2.8
A 1C 5MYK30LC	•			•	2	20	85	55	15	15	6	2.8
A 1C 5MWK30LC		•		•	2	20	85	55	15	15	6	2.8

See the next page for mating worm gears

ISO CLASS 8
RIGHT- AND LEFT-HAND
20° PRESSURE ANGLE

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QUALITY CLASS

► MATERIAL:

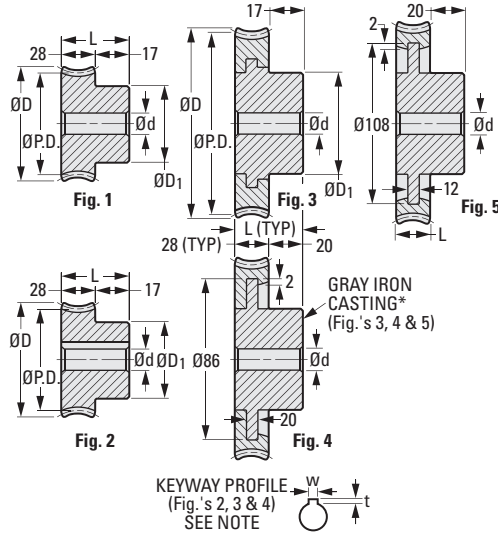
Worm Gears – Aluminum Bronze or Aluminum Bronze with Gray Cast Iron Core

► SPECIFICATIONS:

** Bore Tolerance: 16 mm +0.027/0
20, 25 & 30 mm +0.033/0
40 mm +0.039/0

Thread Data

	Single Thread	Double Thread
Lead	9.447	19.027
Lead Angle	3° 55'	7° 50'



METRIC COMPONENT

Catalog Number	Thread Data				Fig. No.	No. of Teeth	P.D.	D Dia.	d** Bore H8	L	D ₁ Hub Dia.	w	t
	Sgl. Thd.	DbL Thd.	Right-Hand	Left-Hand									
Fig. 1 & 2 Worm Gears – Right- and Left-Hand – Aluminum Bronze													
A 1B 6MYK30R020	•		•		1	20	60	70.5	16	45	48	–	–
A 1B66MYK30R020	•		•		2	20	60	70.5	20	45	48	6	2.8
A 1B 6MWK30R020		•	•		1	20	60	70.5	16	45	48	–	–
A 1B66MWK30R020		•	•		2	20	60	70.5	20	45	48	6	2.8
A 1B 6MYK30L020	•			•	1	20	60	70.5	16	45	48	–	–
A 1B 6MYK30R025	•		•		1	25	75	85.5	16	45	55	–	–
A 1B 6MYK30L025	•			•	1	25	75	85.5	16	45	55	–	–
Fig. 3, 4 & 5 Worm Gears – Right- and Left-Hand – Aluminum Bronze with Gray Cast Iron Core													
A 1B 6MYK30R030	•		•		3	30	90	100.5	16	45	55	–	–
*A 1B66MYK30R030	•		•		3	30	90	100.5	25	45	55	8	3.3
A 1B 6MWK30R030		•	•		3	30	90	100.5	16	45	55	–	–
*A 1B66MWK30R030		•	•		3	30	90	100.5	25	45	55	8	3.3
A 1B 6MYK30L030	•			•	3	30	90	100.5	16	45	55	–	–
A 1B 6MYK30R040	•		•		4	40	120	130.5	16	48	60	–	–
Δ *A 1B66MYK30R040	•		•		4	40	120	130.5	25	48	60	8	3.3
*A 1B66MYK30R040A	•		•		4	40	120	130.5	30	48	60	8	3.3
A 1B 6MYK30L040	•			•	4	40	120	130.5	16	48	60	–	–
A 1B 6MYK30R050	•		•		5	50	150	160.5	16	48	70	–	–
*A 1B66MYK30R050A	•		•		5	50	150	160.5	40	48	70	12	3.3
A 1B 6MYK30L050	•			•	5	50	150	160.5	16	48	70	–	–

Δ To be discontinued when present stock is depleted.

* This gear has a keyway.

See the previous page for mating worms

RIGHT-HAND
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

► MATERIAL:

Cast Iron

► SPECIFICATIONS:

- * Bore Tolerance: 10 mm +0.022/0
- 12, 14 & 16 mm +0.027/0
- 19, 20, 22 & 25 mm +0.033/0



For Module 2 worm gears, select right-hand single or double thread worms on page 1-170.
For Module 3 worm gears, select right-hand single or double thread worms on page 1-174.

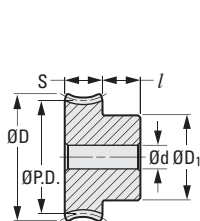


Fig. 1

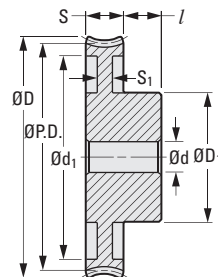


Fig. 2

METRIC COMPONENT

Catalog Number	Thread Data		Fig. No.	No. of Teeth	P.D.	D Dia.	d* Bore H8	S Face Wdth.	D ₁ Hub Dia.	l Hub Proj.	S ₁	d ₁ Dia.
	Sgl. Thd.	Dbl. Thd.										
Module 2												
A 1C 6MYK20R020	•		1	20	40	46.5	10	16	30	14	—	—
A 1C 6MWK20R020		•	1	20	40	46.5	10	16	30	14	—	—
A 1C 6MYK20R025	•		1	25	50	57	12	18	38	15	—	—
A 1C 6MYK20R030	•		1	30	60	67	12	18	40	15	—	—
A 1C 6MWK20R030		•	1	30	60	67	12	18	40	15	—	—
A 1C 6MYK20R040	•		2	40	80	88	14	20	45	18	8	70
A 1C 6MYK20R050	•		2	50	100	108	14	20	50	18	8	90
A 1C 6MYK20R060	•		2	60	120	128	14	20	50	18	8	110
A 1C 6MYK20R080	•		2	80	160	168	19	20	54	15	8	150
A 1C 6MYK20R100	•		2	100	200	208	19	20	55	15	8	190
Module 3												
A 1C 6MYK30R020	•		1	20	60	70	16	24	48	18	—	—
A 1C 6MWK30R020		•	1	20	60	70	16	24	48	18	—	—
A 1C 6MYK30R025	•		1	25	75	85	16	24	55	18	—	—
A 1C 6MYK30R030	•		1	30	90	100	16	24	55	18	—	—
A 1C 6MWK30R030		•	1	30	90	100	16	24	55	18	—	—
A 1C 6MYK30R040	•		2	40	120	131	16	28	60	20	8	106
A 1C 6MYK30R050	•		2	50	150	161	16	28	70	20	8	134
A 1C 6MYK30R060	•		2	60	180	191	20	28	70	20	10	164
A 1C 6MYK30R080	•		2	80	240	251	22	28	70	20	10	224
A 1C 6MYK30R100	•		2	100	300	311	25	30	80	20	10	284

> **MATERIAL:**

303 Stainless Steel

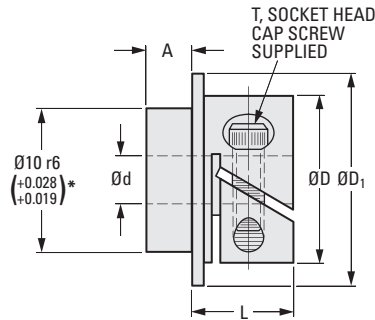
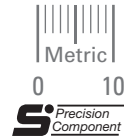
> **SPECIFICATIONS:**

Fairloc® hubs require controlled shaft tolerances. Suggested tolerance according to g6, h6 or h7

d bore and mounting diameter are concentric to 0.005 mm.

Bore Tolerance: 2.5 & 3 mm +0.01/0
 4, 5 & 6 mm +0.012/0
 8 mm +0.015/0

Available as special order:
 Hubs assembled to gears or dials and passivation



METRIC COMPONENT

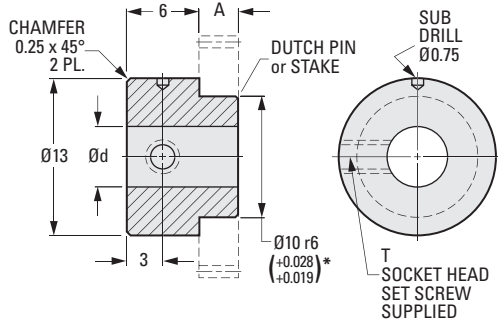
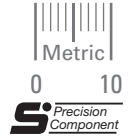
Catalog Number	A	d Bore H7	L	D Dia.	T	D1 Dia.	Clear. Radius
S2F0MYM016025	1.6	2.5	8.5	11	M2	14	6.4
S2F0MYM032025	3.2	2.5	8.5	11	M2	14	6.4
S2F0MYM016030	1.6	3	8.5	11	M2	14	6.4
S2F0MYM032030	3.2	3	8.5	11	M2	14	6.4
S2F0MYM060030	6	3	8.5	11	M2	14	6.4
S2F0MYM080030	8	3	8.5	11	M2	14	6.4
S2F0MYM100030	10	3	8.5	11	M2	14	6.4
S2F0MYM016040	1.6	4	8.5	14	M2.5	17	8.3
S2F0MYM032040	3.2	4	8.5	14	M2.5	17	8.3
S2F0MYM060040	6	4	8.5	14	M2.5	17	8.3
S2F0MYM080040	8	4	8.5	14	M2.5	17	8.3
S2F0MYM100040	10	4	8.5	14	M2.5	17	8.3
S2F0MYM016050	1.6	5	8.5	14	M2.5	17	8.3
S2F0MYM032050	3.2	5	8.5	14	M2.5	17	8.3
S2F0MYM048050	4.8	5	8.5	14	M2.5	17	8.3
S2F0MYM050050	5	5	8.5	14	M2.5	17	8.3
S2F0MYM060050	6	5	8.5	14	M2.5	17	8.3
S2F0MYM080050	8	5	8.5	14	M2.5	17	8.3
S2F0MYM100050	10	5	8.5	14	M2.5	17	8.3
S2F0MYM016060	1.6	6	9.8	17	M3	17	11.1
S2F0MYM032060	3.2	6	9.8	17	M3	17	11.1
S2F0MYM048060	4.8	6	9.8	17	M3	17	11.1
S2F0MYM050060	5	6	9.8	17	M3	17	11.1
S2F0MYM060060	6	6	9.8	17	M3	17	11.1
S2F0MYM080060	8	6	9.8	17	M3	17	11.1
S2F0MYM100060	10	6	9.8	17	M3	17	11.1
S2F0MYM016080	1.6	8	9.8	17	M3	17	11.1
S2F0MYM032080	3.2	8	9.8	17	M3	17	11.1
S2F0MYM048080	4.8	8	9.8	17	M3	17	11.1
S2F0MYM050080	5	8	9.8	17	M3	17	11.1

* To provide press fit, use tolerance according to H7 for the mating part bore diameter.

> MATERIAL:
303 Stainless Steel

> SPECIFICATION:
d bore and mounting diameter are
concentric to 0.008 mm.

Available as special order:
Hubs assembled to gears or
dials and passivation



The projections shown are per ISO convention.

METRIC COMPONENT

Catalog Number	A	d Bore H7	d Tolerance	T Set Screw
S200MYM016025	1.6	2.5	+0.01/0	M2
S200MYM032025	3.2	2.5	+0.01/0	M2
S200MYM016030	1.6	3	+0.01/0	M2
S200MYM032030	3.2	3	+0.01/0	M2
S200MYM016040	1.6	4	+0.012/0	M2
S200MYM032040	3.2	4	+0.012/0	M2
S200MYM016050	1.6	5	+0.012/0	M3
S200MYM032050	3.2	5	+0.012/0	M3
S200MYM016060	1.6	6	+0.012/0	M3
S200MYM032060	3.2	6	+0.012/0	M3
S200MYM016080	1.6	8	+0.015/0	M3
S200MYM032080	3.2	8	+0.015/0	M3

* To provide press fit, use tolerance according to H7 for the mating part bore diameter.

NONMETALLIC GEAR BLANKS

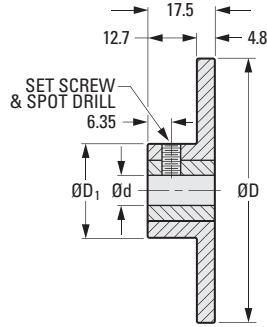
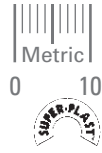
SDP/SI

4.8 mm FACE WIDTH
FOR GEARS, PULLEYS AND FRICTION DRIVES

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> MATERIAL:

Body – Acetal
Insert – Brass



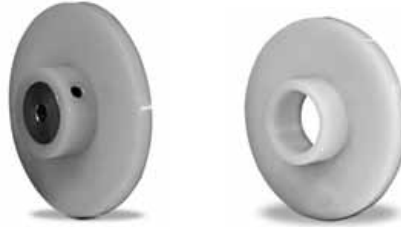
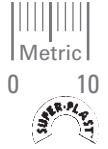
METRIC COMPONENT

Catalog Number	D Dia.	d Bore +0.025 0	D ₁ Hub Dia.	Set Screw
A 1T15M53204	31.8	4	16	M2.5
A 1T15M53205	31.8	5	16	M2.5
A 1T15M53206	31.8	6	16	M3
A 1T15M53208	31.8	8	16	M4
A 1T15M54504	44.5	4	19	M2.5
A 1T15M54505	44.5	5	19	M2.5
A 1T15M54506	44.5	6	19	M3
A 1T15M54508	44.5	8	19	M4
A 1T15M57004	70	4	25	M2.5
A 1T15M57005	70	5	25	M2.5
A 1T15M57006	70	6	25	M3
A 1T15M57008	70	8	25	M4

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3 mm FACE WIDTH
FOR GEARS, PULLEYS AND FRICTION DRIVES

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MATERIAL:

Blank – Acetal
Insert – Brass

SPECIFICATIONS:

With or Without Insert
Blanks with:
3 mm bore have M2.5 set screw
and spot drill.
4, 5 & 6 mm bore have M3 set screw
and spot drill.

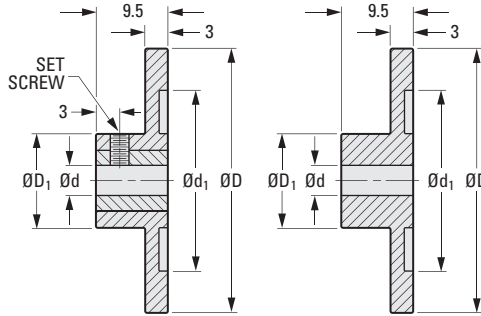


Fig. 1

Fig. 2

METRIC COMPONENT

Catalog Number	D Dia. ± 0.25	d Bore +0.025 0	D ₁ Hub Dia.	d ₁ Dia.
Fig. 1 With Insert				
A 1T15M32003	19.3	3	13	—
A 1T15M32004	19.3	4	13	—
A 1T15M32005	19.3	5	13	—
A 1T15M32006	19.3	6	13	—
A 1T15M32303	22.5	3	13	—
A 1T15M32304	22.5	4	13	—
A 1T15M32305	22.5	5	13	—
A 1T15M32306	22.5	6	13	—
A 1T15M32603	25.6	3	13	—
A 1T15M32604	25.6	4	13	—
A 1T15M32605	25.6	5	13	—
A 1T15M32606	25.6	6	13	—
A 1T15M32903	28.8	3	16	—
A 1T15M32905	28.8	5	16	—
A 1T15M33203	32	3	16	—
A 1T15M33206	32	6	16	—
A 1T15M33903	38.5	3	16	25
A 1T15M33904	38.5	4	16	25
A 1T15M33905	38.5	5	16	25
A 1T15M33906	38.5	6	16	25
A 1T15M34503	44.8	3	19	29
A 1T15M34504	44.8	4	19	29

Catalog Number	D Dia. ± 0.25	d Bore +0.025 0	D ₁ Hub Dia.	d ₁ Dia.
Fig. 1 With Insert				
A 1T15M34505	44.8	5	19	29
A 1T15M34506	44.8	6	19	29
A 1T15M35403	54.4	3	19	35
A 1T15M35404	54.4	4	19	35
A 1T15M35405	54.4	5	19	35
A 1T15M35406	54.4	6	19	35
A 1T15M36103	60.7	3	19	46
A 1T15M36104	60.7	4	19	46
A 1T15M36106	60.7	6	19	46
A 1T15M37003	70.2	3	19	51
A 1T15M37004	70.2	4	19	51
A 1T15M37006	70.2	6	19	51
Fig. 2 Without Insert				
A 1M15M320	19.3	10	13	—
A 1M15M323	22.5	10	13	—
A 1M15M326	25.6	10	13	—
A 1M15M329	28.8	12	16	—
A 1M15M332	32	12	16	—
A 1M15M339	38.5	12	16	25
A 1M15M345	44.8	12	19	29
A 1M15M354	54.4	12	19	35
A 1M15M361	60.7	12	19	46
A 1M15M370	70.2	12	19	51

EXTERNAL
INTERNAL

The splines are straddled milled, the bushings are broached. The spline sides are straight and the two straddled parallel surfaces are milled simultaneously.

Splined bushings can be used press-fitted or fastened to components which require relative axial motion with respect to the spline. Bushings made of bronze or mild steel are available.

For suggested method of fastening, see drawing.

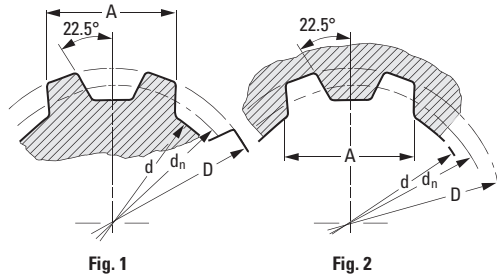
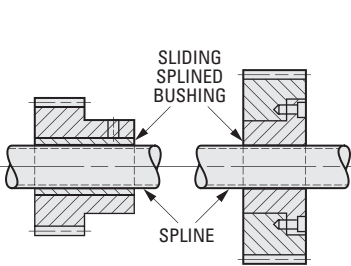


Fig. 1 External Spline Standards

d_n Nominal Size	No. of Grooves	A Straddled Width	d Minor Dia.	D Minor Dia.
12	16	3.483 -0.015/-0.050	10.9	12.8
12	16	3.483 -0.015/-0.050	10.9	12.8
15	16	4.354 -0.020/-0.055	13.5	16.1
15	16	4.354 -0.020/-0.055	13.5	16.1
17	16	4.935 -0.020/-0.055	15.4	18.2
17	16	4.935 -0.020/-0.055	15.4	18.2
20	16	5.806 -0.020/-0.055	18.3	21.5
20	16	5.806 -0.020/-0.055	18.3	21.5

Fig. 2 Internal Spline Standards

d_n Nominal Size	No. of Grooves	A Straddled Width	d Minor Dia.	D Minor Dia.	Max. Fillet Radius	Max. Broachable Length
12	16	3.483 +0.035/0	11.2	13.1	0.2	35
15	16	4.354 +0.035/0	13.8	16.4	0.2	40
17	16	4.935 +0.035/0	15.72	18.52	0.2	51
20	16	5.806 +0.035/0	18.88	21.88	0.2	51

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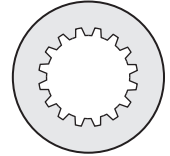
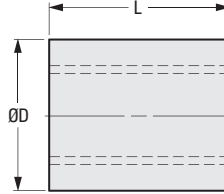
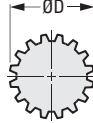
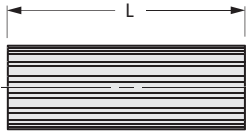
EXTERNAL
INTERNAL

➤ **MATERIAL:**

External Splines – Steel
Internal Spline Bushings – Steel or Brass

➤ **SPECIFICATIONS:**

External Splines are priced per stock length.
Internal Spline Bushings are priced per piece.



EXTERNAL SPLINE SHOWN

INTERNAL SPLINE BUSHING SHOWN

METRIC COMPONENT

Catalog Number	Nominal Size	No. of Teeth	Stock Length cm
External Splines – Steel			
A 1C25M12050	12	16	50
A 1C25M12100	12	16	100
A 1C25M12150	12	16	150
A 1C25M15050	15	16	50
A 1C25M15100	15	16	100
A 1C25M15150	15	16	150
A 1C25M17050	17	16	50
A 1C25M17100	17	16	100
A 1C25M17150	17	16	150
A 1C25M20050	20	16	50
A 1C25M20100	20	16	100
A 1C25M20150	20	16	150

Catalog Number	Nominal Size	No. of Teeth	D Dia.	L
Internal Spline Bushings – Steel				
A 1C26M123035	12	16	30	35
A 1C26M154040	15	16	40	40
A 1C26M174551	17	16	45	51
A 1C26M205051	20	16	50	51
Internal Spline Bushings – Brass				
A 1B26M122535	12	16	25	35
A 1B26M152540	15	16	25	40
A 1B26M173051	17	16	30	51
A 1B26M203551	20	16	35	51

For technical information, see preceding page.

EXTERNAL
INTERNAL

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► MATERIAL:
Carbon Steel

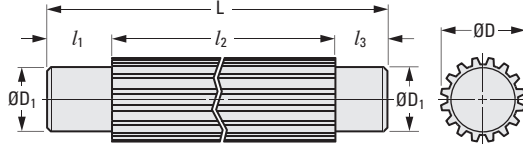


Fig. 1

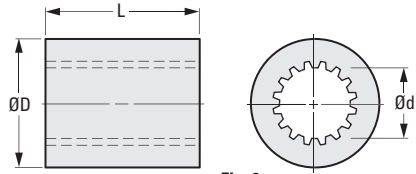


Fig. 2

METRIC COMPONENT

Catalog Number	Nominal Size	No. of Teeth	D Dia.	l_1	l_2	l_3	L cm	D_1 Dia.
Fig. 1 External Splines								
A 1C25MH1517	15	8	16.67	20	135	15	17	13
A 1C25MH1820	18	10	19.67	20	165	15	20	15
A 1C25MH2325	23	13	24.67	30	220	–	25	20
A 1C25MH2830	28	16	29.67	30	270	–	30	25

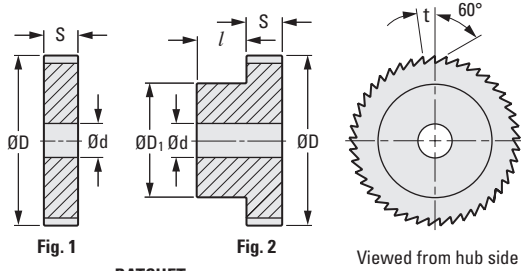
Catalog Number	Nominal Size	No. of Teeth	d Dia.	D Dia.	L
Fig. 2 Internal Spline Bushings					
A 1C26MH1540	15	8	13.7	40	25
A 1C26MH1845	18	10	16.7	45	30
A 1C26MH2355	23	13	21.7	55	38
A 1C26MH2865	28	16	26.7	65	45

60° TEETH

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> MATERIAL:

Steel (Hardened Teeth)



RATCHET

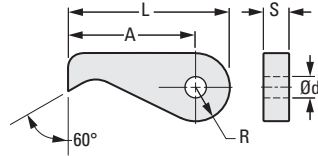


Fig. 3
PAWL

METRIC COMPONENT

Catalog Number	t Circular Pitch	Fig. No.	No. of Teeth	D Dia.	d Bore H8	d Tolerance	S Face Width	D ₁ Hub Dia.	l Hub Proj.
Fig. 1 & 2 Ratchets									
A 1C14M23060A	2.094 (2/3 π)	1	60	40	10	+0.022/0	8	—	—
A 1C14M23090A			90	60	12	+0.027/0		—	—
A 1C14M23045		2	45	30	6	+0.018/0	6	20	9
A 1C14M23060B			60	40	8	+0.022/0	8	28	12
A 1C14M23090B			90	60	10			42	15
A 1C14M23120			120	80	—			56	—
A 1C14M10060A	3.142 (π)	1	60	60	14			+0.027/0	10
A 1C14M10090			90	90	16	—	—		
A 1C14M10060B		2	60	60	12	42	20		
A 1C14M10080			80	80	12	56			
A 1C14M10100			100	100	14	70			
A 1C14M20040			40	80	12	56			
A 1C14M20050	6.283 (2 π)	2	50	100	14	70	84		
A 1C14M20060			60	120	14	84			

Catalog Number	No.	d H8	d Tolerance	A	L	R	S
Fig. 3 Pawls							
A 1C14M03006	0	5	+0.018/0	30	38	8	6
A 1C14M13912	1	8	+0.022/0	39	49	10	12
A 1C14M25515	2	10		55	67.5	12.5	15

REV: 6.10.15 JC

