

ISO CLASS 5
GROUND TEETH
20° PRESSURE ANGLE

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► **MATERIAL:**
AISI 4135 Steel

► **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

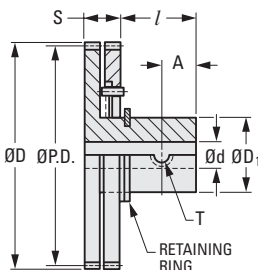


Fig. 1
Torsion Spring

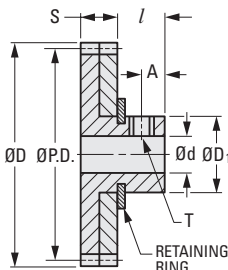


Fig. 2
Helical Tension Springs

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		70	35	36						
S97S05M080T0808G		80	40	41						
S97S05M090T0810G		90	45	46	10					
S97S05M100T0810G		100	50	51						
S97S05M120T0810G		120	60	61						
Module 0.8										
S97S08M050T0810G	1	50	40	41.6	10	8	20	10	M5	5
S97S08M060T0810G		60	48	49.6						
S97S08M070T0810G		70	56	57.6						
S97S08M080T0810G		80	64	65.6			24			
S97S08M090T0810G		90	72	73.6						
S97S08M100T0810G		100	80	81.6						
S97S08M120T0810G	120	96	97.6							
Module 1										
S97S10M050T1010G	1	50	50	52	10	10	20	10	M6	5
S97S10M060T1010G		60	60	62						
S97S10M070T1012G		70	70	72						
S97S10M080T1012G		80	80	82	30					
S97S10M090T1012G		90	90	92						
S97S10M100T1012G		100	100	102						
S97S10M120T1012G	120	120	122							

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

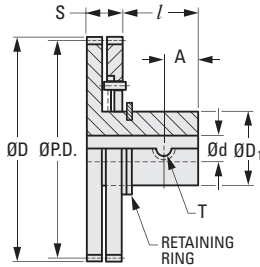


Fig. 1
Torsion Spring

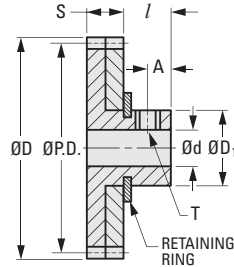


Fig. 2
Helical Tension Springs

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