

■ ISO CLASS 5

■ 20° PRESSURE ANGLE

■ GROUND TEETH

1

GEARS

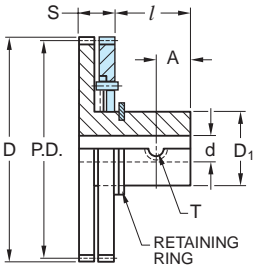


Fig. 1
Torsion Spring

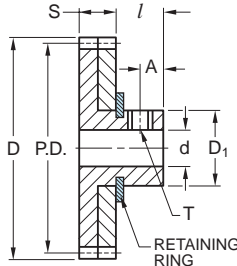


Fig. 2
Helical Tension Springs

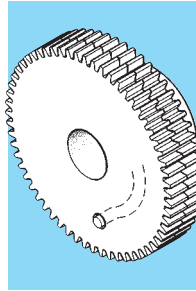


Fig. 1

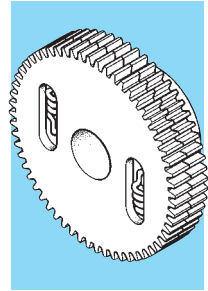


Fig. 2

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

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

*Bore Tolerance: 8 & 10 mm + 0.015
12 mm + 0.018

^ΔSpring Type: A - torsion spring
B - helical tension springs

■ ISO CLASS 8

■ 20° PRESSURE ANGLE

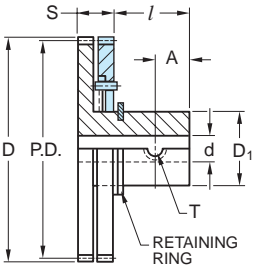


Fig. 1
Torsion Spring

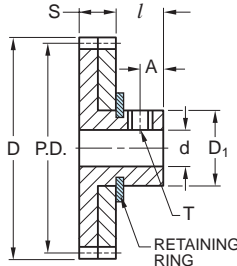


Fig. 2
Helical Tension Springs

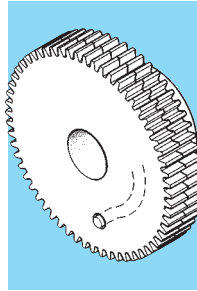


Fig. 1

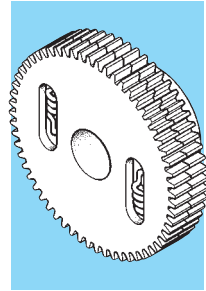


Fig. 2

MATERIAL: 5056 Aluminum
AISI 1045 Steel (Tufftrided)

Catalog Number	Fig. No.	Module	Mat'l	No. of Teeth	P.D.	D	d* Bore H7	S Face Width	D ₁ Hub Dia.	l Hub Proj.	T Set Screw	A	
S97A05M060T0808	1	0.5	Alum.	60	30	31	8	8	16	8	M4	4	
S97A05M070T0808				70	35	36							
S97A05M080T0808				80	40	41							
S97A05M090T0810				90	45	46	10	8	20	8	M4	4	
S97A05M100T0810				100	50	51							
S97A05M120T0810	120	60	61										
S97A08M050T0810	1	0.8	Alum.	50	40	41.6	10	8	20	10	M5	5	
S97A08M060T0810				60	48	49.6							
S97A08M070T0810				70	56	57.6							
S97S08M080T0810	2			Steel	80	64	65.6	10	8	20	10	M5	5
S97S08M090T0810					90	72	73.6						
S97S08M100T0810					100	80	81.6						
S97S08M120T0810		120			96	97.6							
S97A10M050T1010		1			1	Alum.	50	50	52	10	10	20	10
S97A10M060T1010	60	60	62										
S97S10M070T1012	2		Steel	70		70	72	12	10	24	10	M6	5
S97S10M080T1012				80		80	82						
S97S10M090T1012				90		90	92						
S97S10M100T1012				100		100	102	12	10	30	10	M6	5
S97S10M120T1012				120		120	122						

*Bore Tolerance: 8 & 10 mm + 0.022
12 mm + 0.027

NOTE: Aluminum gears use torsion spring.
Steel gears use helical tension springs.