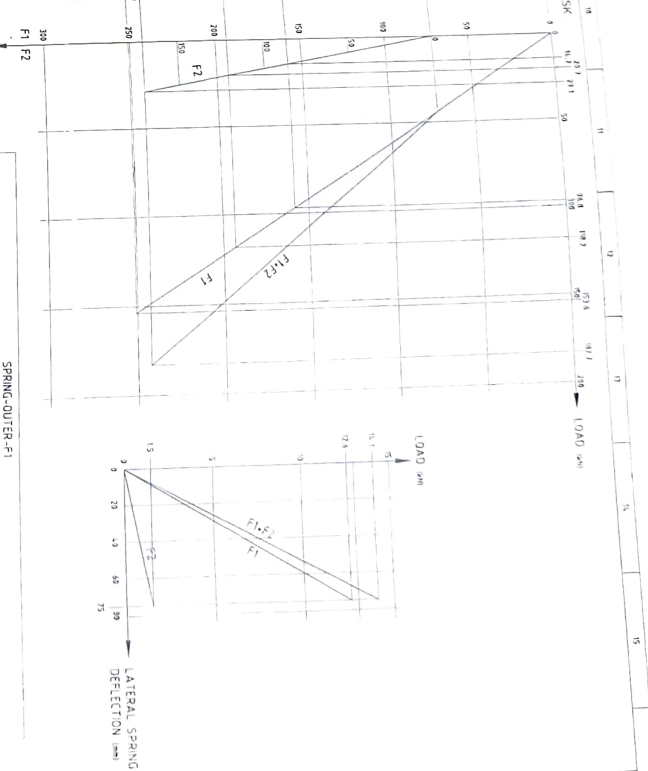




SPRING-DUTY-F1									
SPRING DATA		DIMENSION		LOAD		HEIGHT		STRESS	
FREE HEIGHT	L ₁ (mm)	711.2	UNLOADED L ₁ (mm)	711.2	HEIGHT (mm)	711.2	DEFLECTION (mm)	1	(N/mm ²)
BAR DIAMETER	d (mm)	5.1	STATIC LOAD L ₁ (mm)	96.9	STATIC L ₁ (mm)	564.2	5.9	5.4	
MEAN SPRING DIAMETER	D (mm)	20	LOAD AT STOP L ₁ (mm)	181.2	50.0	193.2	5.88	4.06	
NUMBER OF ACTIVE COILS	N	12.1	LOAD AT 50% DEFLECTION L ₁ (mm)	353.4	47.0	259.5	5.97	3.05	
NUMBER OF TOTAL COILS	N _T	9.5	LEFT HAND	DEFLECTION		TRANSVERSE DEFLECTION		STRESS	
DEFLECTION OF LOAD	Δ (mm)	711.2	RIGHT HAND	711.2	Δ (mm)	711.2	Δ (mm)	711.2	(N/mm ²)
RATIO OF HOOKS	Δ (mm)	711.2	AT STATIC LOAD	711.2	75	75	75	857	
SPRING MODULUS	E (N/mm ²)	193.0	AT LOAD AT STOP	193.0	15	15	11.1	487	
SPRING STIFFNESS	K (N/mm)	1.93							
SPRING STRESS (CORRECTION)	1	N/mm ²	5.5						

SPRING-INNER-F2									
SPRING DATA		DIMENSION		LOAD		HEIGHT		STRESS	
FREE HEIGHT	L ₁ (mm)	619.3	UNLOADED L ₁ (mm)	619.3	HEIGHT (mm)	619.3	DEFLECTION (mm)	1	(N/mm ²)
BAR DIAMETER	d (mm)	26.5	STATIC LOAD L ₁ (mm)	14.7	55.5	604.8	7.3	5.4	
MEAN SPRING DIAMETER	D (mm)	97.0	LOAD AT STOP L ₁ (mm)	31.7	115.0	588.3	5.08	4.08	
NUMBER OF ACTIVE COILS	N	12.1	LOAD AT 50% DEFLECTION L ₁ (mm)	47.1	130.7	540.2	2.60	1.80	
TOTAL NUMBER OF COILS	N _T	12.5	LEFT HAND	DEFLECTION		TRANSVERSE DEFLECTION		STRESS	
DEFLECTION OF LOAD	Δ (mm)	517.0	RIGHT HAND	517.0	Δ (mm)	517.0	Δ (mm)	517.0	(N/mm ²)
RATIO OF HOOKS	Δ (mm)	517.0	AT STATIC LOAD	517.0	75	75	5	5.47	
SPRING MODULUS	E (N/mm ²)	193.0	AT LOAD AT STOP	193.0	15	15	2.5	882	
SPRING STIFFNESS	K (N/mm)	1.93							
SPRING STRESS (CORRECTION)	1	N/mm ²	3.3						