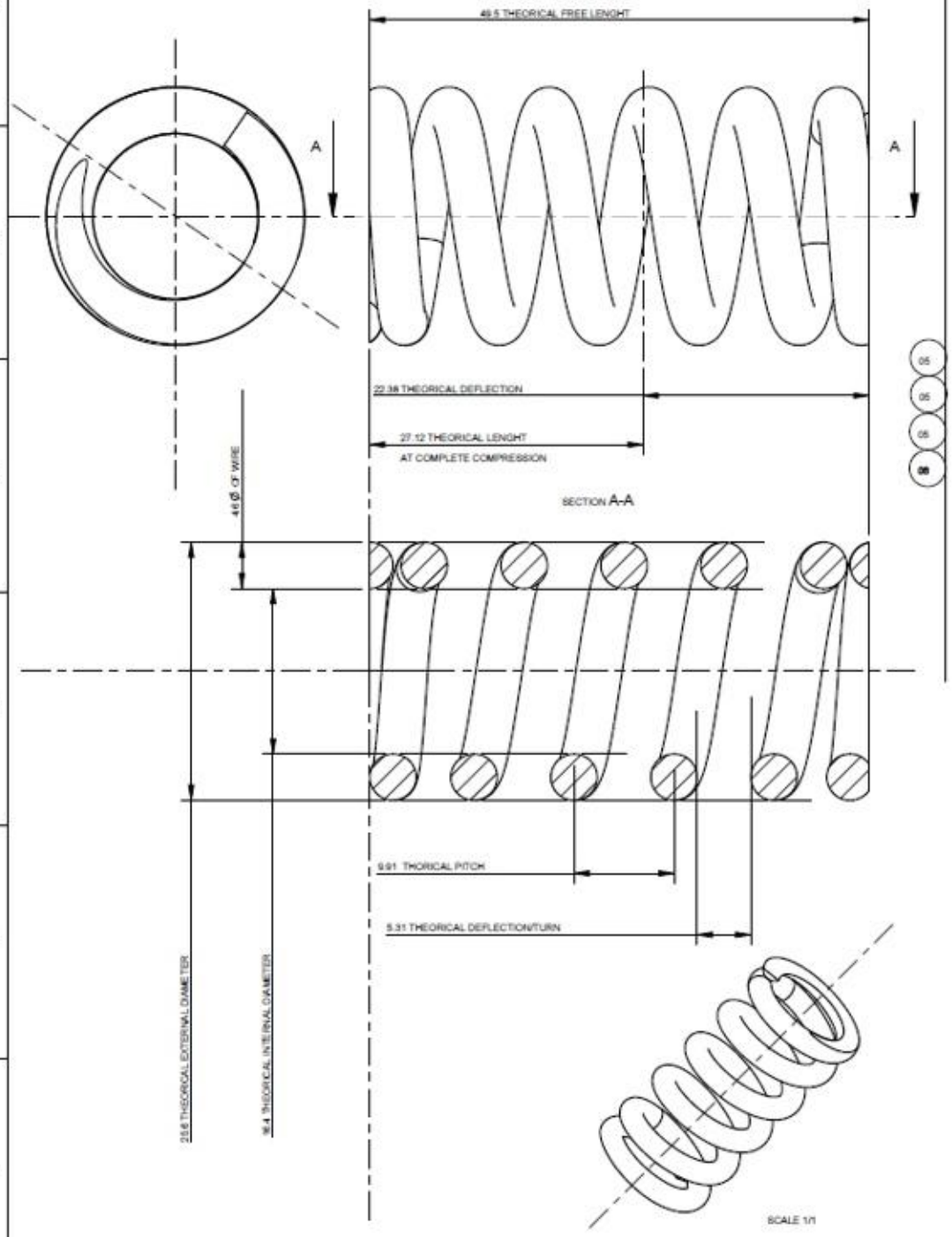
SCALE 2/1

THEORICAL DEFINITION



TECHNICAL CARACTERISTICS

DIAMETER OF WIRE : 4.60

MATERIAL : OIL TEMPERED CrSi ALLOYED SPRING STEEL WIRE

OTHER RAW MATERIAL POSSIBILITY: (NEED TO BE STUDIED AND GUARANTED BY SUPPLIER)

QUANTITY OF TURNS USED : 4.4

QUANTITY TOTAL OF TURNS : 5.90

SENSE OF COILING : RIGHT HAND

EXTERNAL DIAMETER : MUST RUN THROUGH TUBE Ø 26 MAX ON THE TOTAL LENGHT

INTERNAL DIAMETER : MUST RUN ON ROD OF Ø 15.5 MIN / LENGHT 10 AT EACH EXTREMITY

RATIO OF COILING : 4.565

ALPHA COEFFICIENT : K = 1.35

THEORICAL AVERAGE DIAMETER : 21

EXTREMITIES TURN GRINDED AND JOINED PERPENDICULARY

THEORICAL LENGHT AT TOTAL COMPRESSION : 27.12

PRACTICAL LENGHT AT TOTAL COMPRESSION : 28 MAX

THEORICAL STRESS AT COMPLETE COMPRESSION : 2398 N A H MIN ; 26 mm

RATE OF STRESS AT COMPLETE COMPRESSION : 1850.5 N/mm2 ; AT H MIN 26 ; 1777.9 N/mm2

VALUE OF "Q" : 8000

THEORICAL SPRING RATE : 111.5 N/mm

FREE LENGTH IN DELIVERY CONDITION : 50.9 MAXI

FREE LENGHT AFTER 1 COMPRESSION AT H = 28 : 49.5 ± 0.6

STRESS OF CONTROL AFTER COMPRESSION AT H = 28 : UNDER H1 29.5 ; P1 2230 N± 105 N
WITH Cp > / = 1.33 PER SHARE

RESISTANCE TO SALT SPRAY : WHITE RUST > 100H / RED RUST > 200H

POINTING : WITHOUT

ENDURANCE TEST : EVERY SECONDS : 1 COMPRESSION AT H 28 AND 1 DECOMPRESSION AT H 38
NO BREAK AND LOSS OF HEAD MEASURED BEFORE TEST OF 5% MAX AFTER 5000 CYCLES

Nature of the changes	Initials	Date	Index
-	-	-	-
-	-	-	-
-	-	-	-
MISE A JOUR TRAITEMENT DE SURFACE	MM	15/05/14	06
REDEFINITION DES CONDITIONS DE DEFINITION DE LA HL ET DE LA CHARGE DE CONTROLE SUITE A LA DECISION DE SUPPRIMER LE TRI PAR CLASSES DE CHARGES	CL	18/05/2006	05
SUITE DEMANDE FOURNISSEUR DU 17/07/03 ET ACCORD BE DU 29/07/03 MODIFICATION DU DIAMETRE INTERIEUR 16 MINI A 15.5 MINI SUR 10 AUX 2 EXTREMITES	CL	16/09/2003	04
SUITE ANALYSE RC DU 16/11/01 ET ETUDE CAFA;MODIFIE TOL SUR HL/CHARGE A 2230 H-105 N/VALEUR CLASSES;SUPPRIME HL ET CHARGE APRES COMP A H 28	CL	16/01/2002	03
MISE A JOUR PLAN POUR TRI PAR CLASSES/CHARGES;PROTECTION SUIVANT QUALY-104 SPECIFICATIONS EXTREMITES SUIVANT DIN 2095 TYPE 1	CL	20/09/01	02
CORRECTION DES DIAMETRES BAGUE ET PIGE DE CONTROLE DES DIAMETRES AJOUTE VOL ET POIDS BRUTS;MISE AU POINT CARACTERISTIQUES VALABLES POUR PRESERIE	CL	05/01/00	01
NOUVEAU PLAN -	CL	2/11/99	00

Scale : 1/1	2/1 / /	General tolerance : SEE NOTE	√ (√)
Volume :	6384 mm3	-	
Weight :	49.8 NET g		
Material: SEE NOTE	-	Assembly : -	Format : A3
Heat treatment:	-		
Surface treatment :	SEE NOTE	Description : RESSORT DE DURETE NUMERO 409	
Drawn on / by	2/12/99	Checked on / by	- / -
Reference :	146 006		