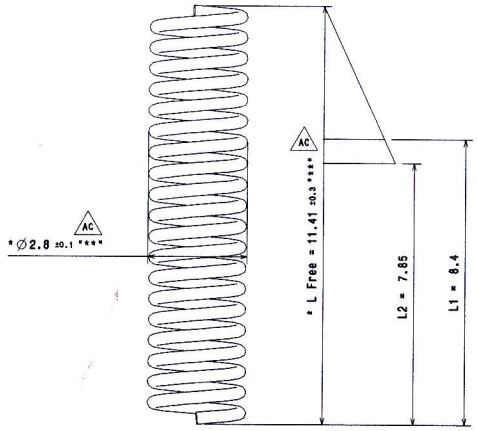
Part Number: A2C176765XX



TOTAL COILS nt=13.29 (REF).
ACTIVE COILS n= 11.29 (REF).
F1=2.30±0.2N AT L1=8.4mm
F2=2.72±0.2N AT L2=7.85mm

NOTES:

d = 0.35mm *** AC
k = 0.76N/mm
SPRING ENDS TO BE CLOSED

TEMPERING: 300° FOR 7 MINUTES.

NOTES:
01) PART TO CONFIRM TO CATEGORY QUALITY REQUIREMENTS (COR) DOCUMENT 10098897-AG.
TESTS REQUIRED:
3.6.7 THERMAL SHOCK.
3.6.9 HEAT STORAGE.
02) PART TO BE FREE OF GREASE/OIL. AND OTHER CONTAMINANTS.
03) MAXIMUM BURR OF 10% PERMISSIBLE.
04) GENERAL TOLERANCE DIN 6930-m
05) BENDING RADII NON-INDICATED = 0.2mm MAX.
06) BENDING ANGLE NON-INDICATED = 90 ±1°
07) MAX CUTTING BURR = 10% OF MATERIAL THICKNESS
08) REMOVE ALL SHARP EDGES.
09) NO TOOL & DENT MARKS ALLOWED.
10) NO CRACKS AT BENDING AREAS.
11) PART MUST BE FREE FROM CORROSION (EXCEPT ON CUTTING EDGES), SURFACE OXIDATION, CUTTING OIL.
12) SHAPES WITHOUT DIMENSIONS REALISED ACCORDING TO DATABASE.

AC			Update Weight. Change symbol from W to **
AB			GFT Drawing
AA			Pre-GFT release

DOC. VERS.	CHANGED ITEMS	ZONE IN GRID	CHANGE DESCRIPTION	ECM NO.	10372123

CREATED BY	Raviraj.Harinivasa-Ext	DATE 2018-06-20	DEPARTMENT I IO RD IC ME
REVIEWED BY	Han.Wang	DATE 2018-07-07	I ID RD IDD ME
RELEASED BY	Cheaw.Jye.Cheang	DATE 2018-07-07	I ID RD IDD ME

TITLE: spring (Dial Spring)
Feder

DOCUMENT NO.	DOC. TYPE	DOC. PART	DOC. VERS.	MATERIAL NO.
41123768	DRW	000	AC	Refer Table 1

MATERIAL: Spring Steel, SUS 302 MPB (acc to JIS-G-4314:2013-02-20), Wire ∅0.35mm
CALCULATED WEIGHT: - g +/- %
SURFACE: - Refer Drawing
GENERAL TOLERANCES: - Refer Tolerance table
TOLERANCE PRINCIPLE: Size ISO 14405 (E)
3D MODEL: 41123768_CAD_000.CATPart.AA.4.Released
DRAWING: 41123768_DRW_000.CATDrawing.AC.1.Accepted

DIMENSIONS IN MILLIMETERS

Continental

CAD SYSTEM: -
SCALE: 1:1
PAGE: 1 of 1
FORMAT: A2

(C) Continental AG 2018
THE REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT AS WELL AS THE COMMUNICATION OF ITS CONTENTS TO OTHERS WITHOUT EXPRESS AUTHORIZATION IS PROHIBITED. OFFENDERS WILL BE HELD LIABLE FOR THE PAYMENT OF DAMAGES. ALL RIGHTS RESERVED IN THE EVENT OF THE GRANT OF A PATENT, UTILITY MODEL OR DESIGN.
NO GUARANTEE CAN BE GIVEN IN RESPECT OF THE TRANSLATION. IN ALL CASES THE LATEST ENGLISH LANGUAGE VERSION OF THIS DOCUMENT SHALL BE TAKEN AS AUTHORITATIVE

Part Cleanliness as per TST N002 02.20-004
FA CAT 4 / B
CCC = A (E14/F13/G12/H11/I9/J-K00)
Fibers size max. 600µm

Test realization and documentation acc.:
TST N 002 02.00-031 (in case of regular internal cleanliness analysis) or
TST N 002 02.00-032 (external lab)

Table 1: Part/Variant information AB Editorial change

Part description	Part number	Document number	Calculated Part Weight (g)	Calculated Part Volume (mm³)	Dimensions/ Notes
Dial Spring	A2C17676500	41123768_CAD_000.AB	0.1 AC Update Weight	14.46	Page 1

General tolerancing for forming and stamping of steel to follow DIN 6930-f unless otherwise specified

Limit deviations for	Limit deviations for thickness	Nominal size range From 1 - 6	Over 6 - 10	Over 10 - 25	Over 25 - 63	Over 63 - 160	Over 160 - 400
Linear Dimensions	From 0.1 - 1	±0.2	±0.3	±0.4	±0.5	±0.6	±1.0
	Over 1 - 3	±0.3	±0.4	±0.5	±0.6	±0.8	±1.2

IMDS NOTE:
01) MATERIAL INFORMATION MUST BE ENTERED & MAINTAINED IN THE INTERNATIONAL MATERIAL DATA SYSTEM (IMDS).
02) IMDS INPUT IS THE SUPPLIER'S RESPONSABILITY & IS A REQUIREMENT FOR EVERY INITIAL SAMPLE INSPECTION REPORT (ISIR).
03) THE IMDS MATERIAL DATA ID NUMBER IS TO DECLARED IN THE ISIR.
04) MATERIAL MUST BE ROHS & IMDS COMPLIANCE.

Symbol	Definition
*	PFU Characteristics (Process Capability has to be proven)
D	Documented Characteristic
W	Important Characteristic
**	Focus Dimension
XX	Tuning Characteristics (may need to be fine tuned)

AC Identification of Technical Documents with "D" and "W"- Characteristics as per ATE N 101 00.02

82.9105-0209.2 / 000 / 00

7/11/18