

ANEXO1

PROGRAMA PARA MANEJO DE TORNILLOS

VERSION 3.0

REVNUM 392

LISTING FOR ASSEMBLY MANDRIL

INPUT

ACTUALIZA_TORNILLOS YES_NO

END INPUT

RELATIONS

ALTURA_TORNILLO_MANDRIL=

A_TORNILLO_MANDRIL:FID_ALTURA_T_MANDRIL

DIAMETRO_TORNILLO_MANDRIL=

DIAMETRO_T_MANDRIL:FID_D_TORNILLO_MANDRIL

TORNILLO_MANDRIL1= LOOKUP_INST ("ishcs.prt", 0 , "d1", \
DIAMETRO_TORNILLO_MANDRIL)

EXTEN_PRT = ".prt"

VALOR_MANDRIL = TORNILLO_MANDRIL1 + EXTEN_PRT

TORNILLO_MANDRIL2= LOOKUP_INST (VALOR_MANDRIL, -1
, "d5", \
)

ALTURA_TORNILLO_MANDRIL+(ALTURA_TORNILLO_MANDRI
L/2))

END RELATIONS

ADD PART_SKELETON MANDRIL_SKEL

INTERNAL COMPONENT ID 39

END ADD

ADD FEATURE (initial number 2)

INTERNAL FEATURE ID 92

FEATURE WAS CREATED IN ASSEMBLY MANDRIL

PARENTS = 39(#1)

ANALYSIS

NO.	ELEMENT NAME	INFO
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1	Name	ALTURA_T_MANDRIL
2	Type	Measure
3	RegenRequest	Always
4	Definition	Defined
5	Result params	Defined
5.1	DISTANCE	Defined
5.1.1	Create	YES
5.1.2	Param name	a_tornillo_mandrill
6	Result datums	Defined
6.1	PNT_FROM	Defined
6.1.1	Create	NO
6.1.2	Datum name	PNT_FROM

6.2 PNT_TO Defined
6.2.1 Create NO
6.2.2 Datum name PNT_TO

NAME = ALTURA_T_MANDRIL

Analysis class	Analysis type
-----	-----
Measure	Distance
END ADD	

ADD FEATURE (initial number 3)
INTERNAL FEATURE ID 95
FEATURE WAS CREATED IN ASSEMBLY MANDRIL
PARENTS = 39(#1)

ANALYSIS

NO.	ELEMENT NAME	INFO
---	-----	-----
1	Name	D_TORNILLO_MANDRIL
2	Type	Measure
3	RegenRequest	Always
4	Definition	Defined
5	Result params	Defined
5.1	DIAMETER	Defined
5.1.1	Create	YES
5.1.2	Param name	DIAMETRO_T_MANDRIL

NAME = D_TORNILLO_MANDRIL

Analysis class	Analysis type
-----	-----
Measure	Diameter
END ADD	

ADD FEATURE (initial number 4)
INTERNAL FEATURE ID 1

DATUM PLANE

NO.	ELEMENT NAME	INFO
---	-----	-----
1	Feature Name	Defined
2	Constraints	Defined
2.1	Constraint #1	Defined
2.1.1	Constr Type	X Axis
3	Flip Datum Dir	Defined
4	Fit	Defined
4.1	Fit Type	Default

NAME = ASM_RIGHT

FEATURE IS IN LAYER(S) :

01__ASM_ALL_DTM_PLN - OPERATION = SHOWN

01__ASM_DEF_DTM_PLN - OPERATION = SHOWN

END ADD

ADD FEATURE (initial number 5)

INTERNAL FEATURE ID 3

DATUM PLANE

NO.	ELEMENT NAME	INFO
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1	Feature Name	Defined
---	--------------	---------

2	Constraints	Defined
---	-------------	---------

2.1	Constraint #1	Defined
-----	---------------	---------

2.1.1	Constr Type	Y Axis
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3	Flip Datum Dir	Defined
---	----------------	---------

4	Fit	Defined
---	-----	---------

4.1	Fit Type	Default
-----	----------	---------

NAME = ASM_TOP

FEATURE IS IN LAYER(S) :

01__ASM_ALL_DTM_PLN - OPERATION = SHOWN

01__ASM_DEF_DTM_PLN - OPERATION = SHOWN

END ADD

ADD FEATURE (initial number 6)

INTERNAL FEATURE ID 5

DATUM PLANE

NO.	ELEMENT NAME	INFO
---	-----	-----
1	Feature Name	Defined
2	Constraints	Defined
2.1	Constraint #1	Defined
2.1.1	Constr Type	Z Axis
3	Flip Datum Dir	Defined
4	Fit	Defined
4.1	Fit Type	Default

NAME = ASM_FRONT

FEATURE IS IN LAYER(S) :

01__ASM_ALL_DTM_PLN - OPERATION = SHOWN

01__ASM_DEF_DTM_PLN - OPERATION = SHOWN

END ADD

ADD FEATURE (initial number 7)

INTERNAL FEATURE ID 7

TYPE = COORDINATE SYSTEM

NAME = ASM_DEF_CSYS

FEATURE IS IN LAYER(S) :

05__ASM_ALL_DTM_CSYS - OPERATION = SHOWN

05__ASM_DEF_DTM_CSYS - OPERATION = SHOWN

END ADD

ADD PART EJE_HUSILLO
INTERNAL COMPONENT ID 42
PARENTS = 39(#1)
END ADD

ADD PART PORTA_RODAMIENTOS
INTERNAL COMPONENT ID 40
PARENTS = 39(#1)
END ADD

ADD PART A_7C55MPSS3010
INTERNAL COMPONENT ID 43
PARENTS = 39(#1) 40(#9)
END ADD

ADD PART A_7C55MPSS3010
INTERNAL COMPONENT ID 46
PARENTS = 39(#1) 40(#9)
END ADD

ADD PART CHUCK36
INTERNAL COMPONENT ID 66
PARENTS = 39(#1) 42(#8)
END ADD

ADD PART POLEA_MOTOR
INTERNAL COMPONENT ID 71

PARENTS = 42(#8)

END ADD

IF ACTUALIZA_TORNILLOS == YES

EXECUTE PART (VALOR_MANDRIL)

END EXECUTE

ADD PART (TORNILLO_MANDRIL2)

INTERNAL COMPONENT ID 105

PARENTS = 39(#1)

END ADD

ADD PART (TORNILLO_MANDRIL2)

INTERNAL COMPONENT ID 106

PARENTS = 39(#1)

END ADD

ADD PART (TORNILLO_MANDRIL2)

INTERNAL COMPONENT ID 107

PARENTS = 39(#1)

END ADD

ADD PART (TORNILLO_MANDRIL2)

INTERNAL COMPONENT ID 108

PARENTS = 39(#1)

END ADD

END IF

MASSPROP

END MASSPROP