UNIVERSIDAD SANTO TOMÁS

DIVISIÓN DE INGENIERÍAS

FACULTAD DE INGENIERÍA MECÁNICA

Proyecto de Grado

HOJA DE PROCESOS

PIEZA: Geometria Definida	**MATERIAL**: ACERO 1045	**DIMENSIONES EN BRUTO:** **Cilindro** $\emptyset_{base} = \frac{3}{4}\ in\ ;\ h = 1\ m$

PREPARACIÓN PREVIA DEL MATERIAL:

MÁQUINA: Torno Poligym20CSB

INSUMOS:
Acero 1045 $\emptyset = 3/4"$

HERRAMIENTAS, DISPOSITIVOS DE FIJACIÓN E INSTRUMENTOS:

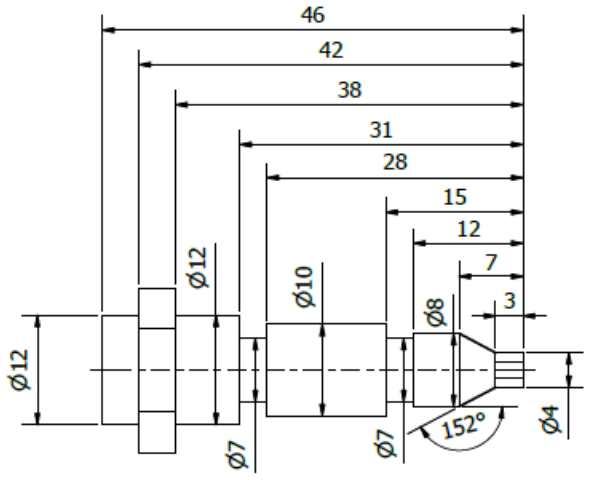
Porta inserto	**Especificaciones**
KYOCERA	KGMR121H-3 NR92018
KENNAMETAL	NASR1212M2Q I6KV06
KYOCERA	ADJCR1212JX 11FF
KYOCERA	AVJBR1212M 11F

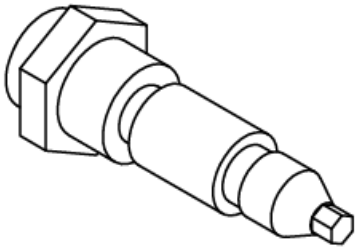
Inserto	**Especificaciones**
KYOCERA	GMM3020-MT
KENNAMETAl	KC5025
KYOCERA	DCMT11T308GK
SANDVIK	VBMT110302-PF

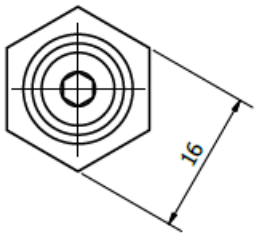
ELABORÓ:
Andrés Camilo Guevara Pedraza

REVISÓ:
Ing. Jorge García

PLANO:







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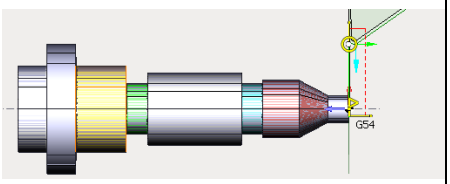
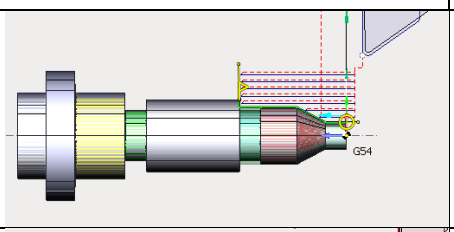
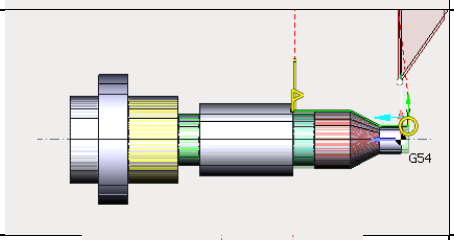
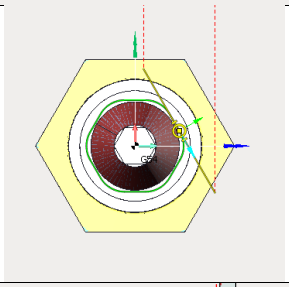
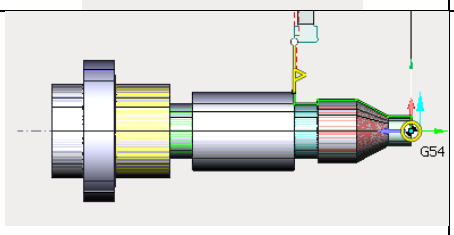
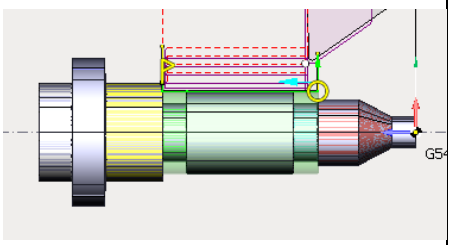
#	Designación	Croquis	Útil	Vc [m/min]	F [mm/rev]	Zona	t [s]
1	Refrentado		T0303	120	0.15	1	4
2	Desbaste 1		T0303	120	0.15	1	26
3	Acabado 1		T0404	495	0.05	1	16
4	Contorneado 2D		T1919	25	60	1	87
5	Ranurado externo 1		T0101	150	0.05	1	8
6	Desbaste 2		T0303	120	0.15	2	35

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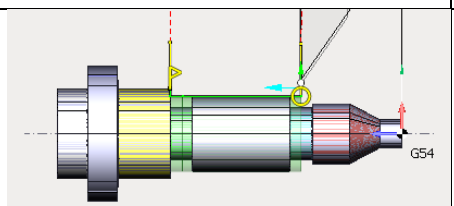
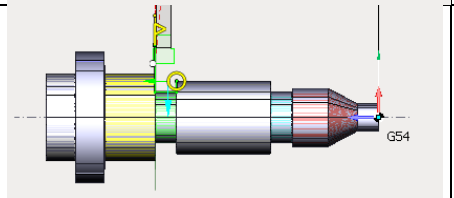
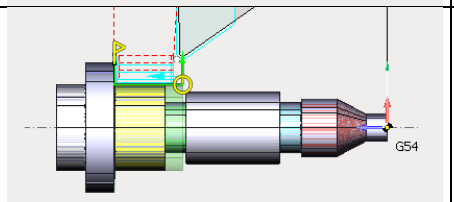
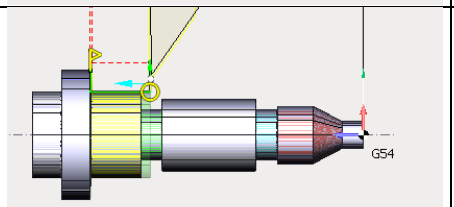
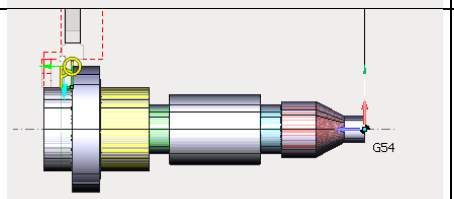
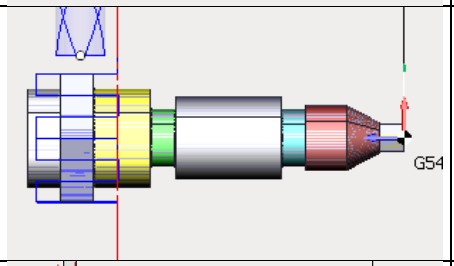
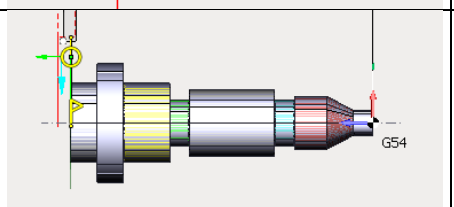
#	Designación	Croquis	Útil	Vc [m/min]	F [mm/rev]	Zona	t [s]
7	Acabado 2		T0404	495	0.05	2	20
8	Ranurado 2		T0101	150	0.05	2	2
9	Desbaste 3		T0303	120	0.15	3	16
10	Acabado 3		T0404	495	0.05	3	11
11	Ranurado 3		T0101	150	0.05	3	10
12	Desbaste por capas		T0808	28.274	60	3	325
13	Tronzado		T0101	150	0.05	3	20
	TOTAL						9´46”

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