



DATE=21-Jun-25

PART NAME : SPIDER FINISH

REV NUMBER : G

SER NUMBER :

STATS COUNT : 1

TIME=4:51:45 AM

PART NUMBER : 321101012E

Active alignment changed to STARTUP

\*\*\*\*\* JS AUTOCAST FOUNDRY INDIA PVT LIMITED, COIMBATORE \*\*\*\*\*  
'SHIFT' : 2  
'INSPECTED BY' : SATHISHKUMAR  
'DETAILS : 65

RESULTS : ACCEPTED: ACCEPTED ON DEVIATION: Rework : REJECTED:

PLN1=PLANE MEASURED FROM 4 HITS

CIR1=CIRCLE MEASURED FROM 4 HITS

CIR2=CIRCLE MEASURED FROM 4 HITS

Active alignment changed to A1

PLN2=PLANE MEASURED FROM 19 HITS

CIR3=CIRCLE MEASURED FROM 4 HITS

CIR4=CIRCLE MEASURED FROM 4 HITS

Active alignment changed to A2

CIR5=CIRCLE MEASURED FROM 4 HITS

CIR6=CIRCLE MEASURED FROM 4 HITS

CIR7=CIRCLE MEASURED FROM 4 HITS

CIR8=CIRCLE MEASURED FROM 4 HITS

CIR9=CIRCLE MEASURED FROM 4 HITS

CIR10=CIRCLE MEASURED FROM 4 HITS

CIR11=CIRCLE MEASURED FROM 4 HITS

CIR12=CIRCLE MEASURED FROM 4 HITS

CIR13=CIRCLE MEASURED FROM 4 HITS

CIR14=CIRCLE MEASURED FROM 4 HITS

CIR15=CIRCLE MEASURED FROM 4 HITS

CIR16=CIRCLE MEASURED FROM 4 HITS

CIR17=CIRCLE MEASURED FROM 4 HITS

CIR18=CIRCLE MEASURED FROM 11 HITS

CIR19=CIRCLE MEASURED FROM 10 HITS

PLN3=PLANE MEASURED FROM 4 HITS

CIR20=CIRCLE MEASURED FROM 4 HITS

PLN4=PLANE MEASURED FROM 4 HITS

CIR21=CIRCLE MEASURED FROM 4 HITS

PLN5=PLANE MEASURED FROM 4 HITS

CIR22=CIRCLE MEASURED FROM 4 HITS

PLN6=PLANE MEASURED FROM 4 HITS

CIR23=CIRCLE MEASURED FROM 4 HITS

CIR40=CIRCLE MEASURED FROM 4 HITS  
PART NUMBER=SPIDER FINISH                      PART NUMBER : 321101012E                      DATE=21-Jun-25                      TIME=  
M                      PAGE#=2  
CIR41=CIRCLE MEASURED FROM 4 HITS  
PLN7=PLANE MEASURED FROM 4 HITS  
CON1=CONE MEASURED FROM 8 HITS  
CYL1=CYLINDER MEASURED FROM 8 HITS  
CYL2=CYLINDER MEASURED FROM 8 HITS  
CYL3=CYLINDER MEASURED FROM 9 HITS  
CYL4=CYLINDER MEASURED FROM 9 HITS  
PLN8=PLANE MEASURED FROM 4 HITS  
PLN9=PLANE MEASURED FROM 4 HITS  
CON2=CONE MEASURED FROM 8 HITS  
CYL5=CYLINDER MEASURED FROM 8 HITS  
CYL6=CYLINDER MEASURED FROM 8 HITS  
CYL7=CYLINDER MEASURED FROM 9 HITS  
CYL8=CYLINDER MEASURED FROM 9 HITS  
PLN10=PLANE MEASURED FROM 4 HITS  
PLN11=PLANE MEASURED FROM 4 HITS  
CIR36=CIRCLE MEASURED FROM 4 HITS  
CIR24=CIRCLE MEASURED FROM 4 HITS  
PLN12=PLANE MEASURED FROM 4 HITS  
PNT1=POINT MEASURED FROM 1 HIT  
CIR37=CIRCLE MEASURED FROM 4 HITS  
CIR25=CIRCLE MEASURED FROM 10 HITS  
PLN13=PLANE MEASURED FROM 4 HITS  
CIR26=CIRCLE MEASURED FROM 4 HITS  
CIR27=CIRCLE MEASURED FROM 4 HITS  
CIR28=CIRCLE MEASURED FROM 4 HITS  
PLN14=PLANE MEASURED FROM 4 HITS  
PNT2=POINT MEASURED FROM 1 HIT  
CIR38=CIRCLE MEASURED FROM 6 HITS  
PLN15=PLANE MEASURED FROM 4 HITS  
CIR29=CIRCLE MEASURED FROM 4 HITS  
PNT3=POINT MEASURED FROM 1 HIT  
CIR30=CIRCLE MEASURED FROM 5 HITS  
CIR31=CIRCLE MEASURED FROM 4 HITS  
PLN16=PLANE MEASURED FROM 4 HITS  
CIR32=CIRCLE MEASURED FROM 9 HITS  
PLN17=PLANE MEASURED FROM 4 HITS  
CIR33=CIRCLE MEASURED FROM 4 HITS  
PNT4=POINT MEASURED FROM 1 HIT  
CIR34=CIRCLE MEASURED FROM 4 HITS  
CIR35=CIRCLE MEASURED FROM 4 HITS  
PLN18=PLANE MEASURED FROM 4 HITS  
CIR44=CIRCLE MEASURED FROM 6 HITS  
PLN24=PLANE MEASURED FROM 4 HITS  
CYL10=CYLINDER MEASURED FROM 8 HITS  
CYL11=CYLINDER MEASURED FROM 12 HITS  
CIR39 = CIRCLE BUILT FROM 15 FEATURES ,CIR5,CIR4,CIR17,CIR16,CIR15,CIR14,CIR13,CIR12,CIR3  
R10,CIR9,CIR8,CIR7,CIR6,,  
Active alignment changed to A3

PNT5 = POINT BUILT FROM 2 FEATURES CYL10,PLN24  
PLN20 = PLANE BUILT FROM 2 FEATURES PLN18,PLN12  
PLN21 = PLANE BUILT FROM 2 FEATURES PLN16,PLN14  
PNT6 = POINT BUILT FROM 2 FEATURES CYL2,PLN7  
PNT7 = POINT BUILT FROM 2 FEATURES CYL6,PLN9  
CIR42 = CIRCLE BUILT FROM 2 FEATURES PLN7,CON1  
CIR43 = CIRCLE BUILT FROM 2 FEATURES PLN9,CON2  
LIN1 = LINE BUILT FROM 6 FEATURES ,CIR26,CIR27,CIR28,CIR31,CIR30,CIR29,,  
LIN2 = LINE BUILT FROM 6 FEATURES ,CIR37,CIR36,CIR24,CIR35,CIR34,CIR33,,  
PLN22 = PLANE BUILT FROM 2 FEATURES PLN13,PLN15  
PLN23 = PLANE BUILT FROM 2 FEATURES PLN11,PLN17

LIN3 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR15,,  
 PART NUMBER=SPIDER FINISH PART NUMBER : 321101012E DATE=21-Jun-25 TIME=  
 M PAGE#=3  
 LIN4 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR16,,  
 LIN5 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR17,,  
 LIN6 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR4,,  
 LIN7 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR5,,  
 LIN8 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR6,,  
 LIN9 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR7,,  
 LIN10 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR8,,  
 LIN11 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR9,,  
 LIN12 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR10,,  
 LIN13 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR11,,  
 LIN14 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR3,,  
 LIN15 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR12,,  
 LIN16 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR13,,  
 LIN17 = LINE BUILT FROM 2 FEATURES ,CIR19,CIR14,,  
 \*\*\*\*\*  
 DIM FLAT1= FLATNESS OF PLANE PLN2 UNITS=MM  
 AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
 M 0.000 0.050 0.000 0.011 0.011 0.000 -#-----  
  
 DIM #25= LOCATION OF CIRCLE CIR19 UNITS=MM  
 AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
 D 182.000 0.150 0.000 182.078 0.078 0.000 ----#----  
 RN 0.000 0.050 0.000 0.028 0.028 0.000 ----#----  
  
 DIM #24= LOCATION OF CIRCLE CIR39 UNITS=MM  
 AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
 X 0.000 0.100 0.100 -0.061 -0.061 0.000 -#-----  
 Y 0.000 0.100 0.100 -0.030 -0.030 0.000 ---#-----  
 D 210.000 0.100 0.100 209.995 -0.005 0.000 ----#----  
  
 DIM #20= 2D ANGLE FROM LINE LIN3 TO LINE LIN4  
 AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
 A 22°30'00" 0°30'00" 0°30'00" 22°30'30" 0°00'30" 0°00'00" ----#----  
  
 DIM #20-1= 2D ANGLE FROM LINE LIN4 TO LINE LIN5  
 AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
 A 22°30'00" 0°30'00" 0°30'00" 22°30'49" 0°00'49" 0°00'00" ----#----  
  
 DIM #20-2= 2D ANGLE FROM LINE LIN5 TO LINE LIN6  
 AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
 A 22°30'00" 0°30'00" 0°30'00" 22°31'26" 0°01'26" 0°00'00" ----#----  
  
 DIM #20-3= 2D ANGLE FROM LINE LIN6 TO LINE LIN7  
 AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
 A 22°30'00" 0°30'00" 0°30'00" 22°30'08" 0°00'08" 0°00'00" ----#----  
  
 DIM #20-4= 2D ANGLE FROM LINE LIN7 TO LINE LIN8  
 AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
 A 22°30'00" 0°30'00" 0°30'00" 22°30'14" 0°00'14" 0°00'00" ----#----  
  
 DIM #20-5= 2D ANGLE FROM LINE LIN8 TO LINE LIN9  
 AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
 A 22°30'00" 0°30'00" 0°30'00" 22°29'05" -0°00'55" 0°00'00" ----#----  
  
 DIM #20-6= 2D ANGLE FROM LINE LIN9 TO LINE LIN10  
 AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
 A 22°30'00" 0°30'00" 0°30'00" 22°29'57" -0°00'03" 0°00'00" ----#----  
  
 DIM #20-7= 2D ANGLE FROM LINE LIN10 TO LINE LIN11  
 AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
 A 22°30'00" 0°30'00" 0°30'00" 22°28'48" -0°01'12" 0°00'00" ----#----

PART NUMBER=SPIDER FINISH				PART NUMBER : 321101012E		DATE=21-Jun-25		TIME=	
M PAGE#=4									
DIM #20-8= 2D ANGLE FROM LINE LIN11 TO LINE LIN12									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
A	22°30'00"	0°30'00"	0°30'00"	22°28'07"	-0°01'53"	0°00'00"	----#----		
DIM #20-9= 2D ANGLE FROM LINE LIN12 TO LINE LIN13									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
A	22°30'00"	0°30'00"	0°30'00"	22°29'37"	-0°00'23"	0°00'00"	----#----		
DIM #20-10= 2D ANGLE FROM LINE LIN13 TO LINE LIN14									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
A	22°30'00"	0°30'00"	0°30'00"	22°29'40"	-0°00'20"	0°00'00"	----#----		
DIM #20-11= 2D ANGLE FROM LINE LIN14 TO LINE LIN15									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
A	22°30'00"	0°30'00"	0°30'00"	22°30'01"	0°00'01"	0°00'00"	----#----		
DIM #20-12= 2D ANGLE FROM LINE LIN15 TO LINE LIN16									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
A	22°30'00"	0°30'00"	0°30'00"	22°29'39"	-0°00'21"	0°00'00"	----#----		
DIM #20-13= 2D ANGLE FROM LINE LIN16 TO LINE LIN17									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
A	22°30'00"	0°30'00"	0°30'00"	22°30'20"	0°00'20"	0°00'00"	----#----		
DIM #23= 2D ANGLE FROM LINE LIN3 TO XAXIS									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
A	-22°30'00"	0°30'00"	0°30'00"	-22°35'41"	-0°05'41"	0°00'00"	---#-----		
DIM #23A= 2D ANGLE FROM LINE LIN17 TO XAXIS									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
A	22°30'00"	0°30'00"	0°30'00"	22°25'57"	-0°04'03"	0°00'00"	---#-----		
DIM #44A= 2D ANGLE FROM CYLINDER CYL6 TO ZAXIS									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
A	15°30'00"	0°30'00"	0°30'00"	15°34'41"	0°04'41"	0°00'00"	-----#---		
DIM #44B= 2D ANGLE TO CYLINDER CYL2 FROM ZAXIS									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
A	15°30'00"	0°30'00"	0°30'00"	15°28'05"	-0°01'55"	0°00'00"	----#----		
DIM LOC5= POSITION OF CIRCLE CIR40 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	-158.750				-158.722	0.028			
Y	0.000				0.015	0.015			
DF	8.690	0.080	0.080		8.739	0.049	0.000	-----#-	
TP	RFS	0.100		0.000	0.064	0.064	0.000	-----#---	
DIM LOC6= POSITION OF CIRCLE CIR41 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	158.750				158.755	0.005			
Y	0.000				0.015	0.015			
DF	8.690	0.080	0.080		8.737	0.047	0.000	-----#-	
TP	RFS	0.100		0.000	0.032	0.032	0.000	--#-----	
DIM #18,#21,#22= POSITION OF CIRCLE CIR40 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	-158.750				-158.722	0.028			
Y	0.000				0.015	0.015			
DF	8.690	0.080	0.080	0.129	8.739	0.049	0.000	-----#-	
TP	MMC	0.100		0.129	0.064	0.064	0.000	--#-----	



AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
PART	NUMBER=SPIDER	FINISH		PART	NUMBER	:	321101012E
M	PAGE#=6						DATE=21-Jun-25
							TIME=
D	30.000	0.200	0.200	29.920	-0.080	0.000	--#-----
DIM #34A= 2D ANGLE TO CYLINDER CYL10 FROM XAXIS							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
A	30°00'00"	0°30'00"	0°30'00"	29°57'22"	-0°02'38"	0°00'00"	----#----
DIM #74,#65,#77,#78= POSITION OF CIRCLE CIR36 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL
Y	-150.750				-150.748	0.002	
Z	-111.000				-110.996	0.004	
DF	35.165	0.115	0.115	0.089	35.139	-0.026	0.000 ---#-----
TP	MMC	0.500		0.089	0.009	0.009	0.000 #-----
DIM #74,#65,#77,#78A= POSITION OF CIRCLE CIR27 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL
Y	150.750				150.747	-0.003	
Z	-111.000				-111.045	-0.045	
DF	35.165	0.250	0.250	0.230	35.145	-0.020	0.000 ----#-----
TP	MMC	0.500		0.230	0.090	0.090	0.000 -#-----
DIM #74,#65,#96,#95= POSITION OF CIRCLE CIR30 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL
Y	150.750				150.634	-0.116	
Z	-111.000				-111.047	-0.047	
DF	35.165	0.250	0.250	0.228	35.143	-0.022	0.000 ----#-----
TP	MMC	0.500		0.228	0.251	0.251	0.000 ---#-----
DIM #74,#65,#96,#95A= POSITION OF CIRCLE CIR34 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL
Y	-150.750				-150.870	-0.120	
Z	-111.000				-111.064	-0.064	
DF	35.165	0.250	0.250	0.232	35.147	-0.018	0.000 ----#-----
TP	MMC	0.500		0.232	0.272	0.272	0.000 ---#-----
Active alignment changed to A4							
DIM #106= POSITION OF PLANE PLN21 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL
X	0.000				-0.009	-0.009	
TP	RFS	0.500		0.000	0.019	0.019	0.000 #-----
DIM LOC2= LOCATION OF PLANE PLN14 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
X	-8.000	0.200	0.200	-8.141	-0.141	0.000	-#-----
DIM LOC4= LOCATION OF PLANE PLN16 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
X	8.000	0.200	0.200	8.117	0.117	0.000	-----#-
DIM #40= 2D DISTANCE FROM PLANE PLN7 TO LINE LIN1 PAR TO ZAXIS,NO_RADIUS UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
M	69.850	0.250	0.250	69.899	0.049	0.000	-----#---
DIM #101= 2D DISTANCE FROM PLANE PLN13 TO PLANE PLN15 PAR TO XAXIS,NO_RADIUS UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
M	115.870	0.130	0.130	115.758	-0.112	0.000	#-----
DIM LOC19= LOCATION OF PLANE PLN15 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
X	57.935	0.100	0.100	57.870	-0.065	0.000	-#-----

DIM LOC17= LOCATION OF PLANE PLN13 UNITS=MM  
AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
PART NUMBER=SPIDER FINISH PART NUMBER : 321101012E DATE=21-Jun-25 TIME=  
M PAGE#=7  
X -57.935 0.100 0.100 -57.888 0.047 0.000 -----#--

DIM #100= POSITION OF PLANE PLN22 UNITS=MM  
AX NOMINAL +TOL -TOL BONUS MEAS DEV OUTTOL  
X 0.000 -0.011 -0.011  
TP RFS 0.380 0.000 0.022 0.022 0.000 #-----

Active alignment changed to A5

DIM #106A= POSITION OF PLANE PLN20 UNITS=MM  
AX NOMINAL +TOL -TOL BONUS MEAS DEV OUTTOL  
X 0.000 -0.020 -0.020  
TP RFS 0.500 0.000 0.040 0.040 0.000 #-----

DIM LOC8= LOCATION OF PLANE PLN12 UNITS=MM  
AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
X -8.000 0.200 0.200 -8.119 -0.119 0.000 -#-----

DIM LOC12= LOCATION OF PLANE PLN18 UNITS=MM  
AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
X 8.000 0.200 0.200 8.076 0.076 0.000 -----#--

DIM #40A= 2D DISTANCE FROM PLANE PLN9 TO LINE LIN2 PAR TO ZAXIS,NO\_RADIUS UNITS=MM  
AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
M 69.850 0.250 0.250 69.790 -0.060 0.000 ---#-----

DIM #101A= 2D DISTANCE FROM PLANE PLN11 TO PLANE PLN17 PAR TO XAXIS,NO\_RADIUS UNITS=MM  
AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
M 115.870 0.100 0.100 115.855 -0.015 0.000 ---#-----

DIM LOC3= LOCATION OF PLANE PLN11 UNITS=MM  
AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
X -57.935 0.100 0.100 -57.962 -0.027 0.000 ---#-----

DIM LOC13= LOCATION OF PLANE PLN17 UNITS=MM  
AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
X 57.935 0.100 0.100 57.893 -0.042 0.000 --#-----

DIM #100A= POSITION OF PLANE PLN23 UNITS=MM  
AX NOMINAL +TOL -TOL BONUS MEAS DEV OUTTOL  
X 0.000 -0.035 -0.035  
TP RFS 0.380 0.000 0.070 0.070 0.000 -#-----

DIM #107= 2D DISTANCE FROM PLANE PLN12 TO PLANE PLN18 PAR TO XAXIS,NO\_RADIUS UNITS=MM  
AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
M 16.000 0.250 0.250 16.195 0.195 0.000 -----#

DIM #94= CIRCULAR RUNOUT OF CIRCLE CIR24 TO CIRCLE CIR37 UNITS=MM  
AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
M 0.000 0.250 0.000 0.102 0.102 0.000 ---#-----

DIM #76= CIRCULAR RUNOUT OF CIRCLE CIR35 TO CIRCLE CIR33 UNITS=MM  
AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
M 0.000 0.250 0.000 0.098 0.098 0.000 ---#-----

DIM #94A= CIRCULAR RUNOUT OF CIRCLE CIR27 TO CIRCLE CIR26 UNITS=MM  
AX NOMINAL +TOL -TOL MEAS DEV OUTTOL  
M 0.000 0.250 0.000 0.037 0.037 0.000 -#-----

DIM #76A= CIRCULAR RUNOUT OF CIRCLE CIR31 TO CIRCLE CIR29 UNITS=MM





DIM #51= LOCATION OF CYLINDER CYL5 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
D	42.440	0.120	0.120	42.547	0.107	0.000	-----#

DIM #50= LOCATION OF CIRCLE CIR43 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
D	49.600	0.400	0.400	49.340	-0.260	0.000	-#-----

DIM #48= CIRCULAR RUNOUT OF CYLINDER CYL5 TO CYLINDER CYL6 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
M	0.000	0.250	0.000	0.108	0.108	0.000	---#-----

DIM #49= LOCATION OF CONE CON2 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
A/2	35°00'00"	1°00'00"	1°00'00"	35°14'27"	0°14'27"	0°00'00"	-----#---

DIM #113= LOCATION OF CYLINDER CYL7 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
R	3.000	0.200	0.200	3.017	0.017	0.000	----#----

DIM #113A= LOCATION OF CYLINDER CYL8 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
R	3.000	0.200	0.200	2.977	-0.023	0.000	---#-----

DIM #112= 2D DISTANCE FROM CYLINDER CYL7 TO CYLINDER CYL8 PAR TO YAXIS,ADD_RADIUS UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
M	41.270	0.200	0.200	41.259	-0.011	0.000	----#----

Active alignment changed to A12

DIM #114= POSITION OF CYLINDER CYL7 USE AXIS=AVERAGE REF LENGTH=0.000 UNITS=MM DISPLAY							
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL
X	0.000				-0.212	-0.212	
Y	17.635				17.607	-0.028	
DF	3.000	0.250	0.250		3.017	0.017	0.000 ----#----
TP	RFS	0.380		0.000	0.213	0.213	0.000 -----#----

DIM DIST2= 2D DISTANCE FROM CIRCLE CIR35 TO PLANE PLN10 PAR TO ZAXIS,NO_RADIUS UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
M	19.180	0.250	0.250	19.120	-0.060	0.000	---#-----

DIM #114A= POSITION OF CYLINDER CYL8 USE AXIS=AVERAGE REF LENGTH=0.000 UNITS=MM DISPLAY							
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL
X	0.000				0.240	0.240	
Y	-17.635				-17.659	-0.024	
DF	3.000	0.250	0.250		2.977	-0.023	0.000 ----#----
TP	RFS	0.380		0.000	0.241	0.241	0.000 -----#----

DIM CYLY1= CYLINDRICITY OF CYLINDER CYL8 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
M	0.000	0.380	0.000	0.017	0.017	0.000	#-----

Active alignment changed to A8

DIM #50A= LOCATION OF CIRCLE CIR42 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
D	49.600	0.400	0.400	49.341	-0.259	0.000	-#-----

DIM #48A= CIRCULAR RUNOUT OF CYLINDER CYL1 TO CYLINDER CYL2 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
M	0.000	0.250	0.000	0.087	0.087	0.000	---#-----

DIM #49A= LOCATION OF CONE CON1 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
A/2	35°00'00"	1°00'00"	1°00'00"	35°24'23"	0°24'23"	0°00'00"	-----#--
DIM #113B= LOCATION OF CYLINDER CYL4 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
R	3.000	0.200	0.200	3.070	0.070	0.000	-----#--
DIM #113C= LOCATION OF CYLINDER CYL3 UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
R	3.000	0.200	0.200	3.014	0.014	0.000	----#----
DIM #111A= 2D DISTANCE FROM CYLINDER CYL3 TO CYLINDER CYL4 PAR TO YAXIS,ADD_RADIUS UNITS=MM							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
M	41.270	0.200	0.200	41.248	-0.022	0.000	----#----

Active alignment changed to A7

DIM #114B= POSITION OF CYLINDER CYL4 USE AXIS=AVERAGE REF LENGTH=0.000 UNITS=MM DISPLACEMENT									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	0.000				-0.166	-0.166			
Y	17.635				17.557	-0.078			
DF	3.000	0.250	0.250		3.070	0.070	0.000	-----#----	
TP	RFS	0.380		0.000	0.183	0.183	0.000	----#----	
DIM #114C= POSITION OF CYLINDER CYL3 USE AXIS=AVERAGE REF LENGTH=0.000 UNITS=MM DISPLACEMENT									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	0.000				0.216	0.216			
Y	-17.635				-17.608	0.027			
DF	3.000	0.250	0.250		3.014	0.014	0.000	----#----	
TP	RFS	0.380		0.000	0.217	0.217	0.000	-----#----	

Active alignment changed to A9

Active alignment changed to A10

DIM LOC31= LOCATION OF POINT PNT5 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
X	89.517	0.250	0.250	89.685	0.168	0.000	-----#--		
Z	103.047	0.250	0.250	103.082	0.035	0.000	-----#--		

Active alignment changed to A6

DIM LOC9= LOCATION OF CIRCLE CIR1 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
X	0.000	0.150	0.150	-0.065	-0.065	0.000	--#-----		
Y	-105.000	0.250	0.250	-105.029	-0.029	0.000	---#-----		
D	16.654	0.400	0.400	16.666	0.012	0.000	----#----		

PNT8 = POINT BUILT FROM 2 FEATURES CYL6,PLN9

PNT9 = POINT BUILT FROM 2 FEATURES CYL2,PLN7

DIM #54= POSITION OF POINT PNT8 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	0.000				-0.005	-0.005			
Y	-169.417				-169.480	-0.063			
Z	-43.690				-43.778	-0.088			
TP	RFS	0.500		0.000	0.216	0.216	0.000	---#-----	

DIM #54A= POSITION OF POINT PNT9 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	0.000				-0.054	-0.054			

Y169.417169.357-0.060

PART NUMBER=SPIDER FINISHPART NUMBER : 321101012E

MDATE=21-Jun-25TIME=

PAGE#=11

Z-43.690-43.6830.007

TPRFS0.5000.0000.1620.1620.000--#-----

Active alignment changed to A13

Alignment Recalled ID=A3

LIN18 = LINE BUILT FROM 2 FEATURES ,CIR40,CIR41,,

Active alignment changed to A15

Active alignment changed to A16

DIM #32,26,58,59.LOC7= POSITION OF CIRCLE CIR15 UNITS=MM

AXNOMINAL+TOL-TOLBONUSMEASDEVOUTTOL

X97.01096.958-0.052

Y40.18040.143-0.037

DF16.5000.2000.2000.36416.6640.1640.000-----#

TPMMC0.4000.3640.1280.1280.000-#-----

DIM #31,27,58,59.LOC7= POSITION OF CIRCLE CIR16 UNITS=MM

AXNOMINAL+TOL-TOLBONUSMEASDEVOUTTOL

X74.25074.206-0.044

Y74.25074.203-0.047

DF16.5000.2000.2000.36116.6610.1610.000-----#

TPMMC0.4000.3610.1290.1290.000-#-----

DIM #30,28,28,59.LOC7= POSITION OF CIRCLE CIR17 UNITS=MM

AXNOMINAL+TOL-TOLBONUSMEASDEVOUTTOL

X40.18040.138-0.042

Y97.01096.962-0.048

DF16.5000.2000.2000.15516.6550.1550.000-----#

TPRFS0.4000.0000.1280.1280.000--#-----

DIM #29,58,59.LOC10= POSITION OF CIRCLE CIR4 UNITS=MM

AXNOMINAL+TOL-TOLBONUSMEASDEVOUTTOL

X0.000-0.067-0.067

Y105.000104.957-0.043

DF16.5000.2000.2000.15916.6590.1590.000-----#

TPRFS0.4000.0000.1590.1590.000---#-----

DIM #30,28,58,59A.LOC15= POSITION OF CIRCLE CIR5 UNITS=MM

AXNOMINAL+TOL-TOLBONUSMEASDEVOUTTOL

X-40.180-40.243-0.063

Y97.01096.969-0.041

DF16.5000.2000.2000.13716.6370.1370.000-----#

TPRFS0.4000.0000.1500.1500.000---#-----

DIM #31,27,58,59A.LOC16= POSITION OF CIRCLE CIR6 UNITS=MM

AXNOMINAL+TOL-TOLBONUSMEASDEVOUTTOL

X-74.250-74.307-0.057

Y74.25074.196-0.054

DF16.5000.2000.2000.17216.6720.1720.000-----#

TPRFS0.4000.0000.1560.1560.000---#-----

DIM #32,26,58,59A.LOC22= POSITION OF CIRCLE CIR7 UNITS=MM

AXNOMINAL+TOL-TOLBONUSMEASDEVOUTTOL

X-97.010-97.073-0.063

Y40.18040.155-0.025

DF16.5000.2000.2000.14816.6480.1480.000-----#

TPRFS0.4000.0000.1360.1360.000---#-----

DIM #33.LOC23= POSITION OF CIRCLE CIR8 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
PART	NUMBER=SPIDER	FINISH		PART	NUMBER : 321101012E	DATE=21-Jun-25	TIME=		
M	PAGE#=12								
X	-105.000				-105.061	-0.061			
Y	0.000				-0.049	-0.049			
DF	16.500	0.200	0.200		16.666	0.166	0.000	-----#	
TP	RFS	0.400		0.000	0.156	0.156	0.000	---#-----	
DIM #32,26,58,59B.LOC32= POSITION OF CIRCLE CIR9 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	-97.010				-97.069	-0.059			
Y	-40.180				-40.220	-0.040			
DF	16.500	0.200	0.200		16.663	0.163	0.000	-----#	
TP	RFS	0.400		0.000	0.142	0.142	0.000	---#-----	
DIM #31,27,58,59B.LOC33= POSITION OF CIRCLE CIR10 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	-74.250				-74.329	-0.079			
Y	-74.250				-74.265	-0.015			
DF	16.500	0.200	0.200		16.661	0.161	0.000	-----#	
TP	RFS	0.400		0.000	0.160	0.160	0.000	---#-----	
DIM #30,28,58,59B.LOC34= POSITION OF CIRCLE CIR11 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	-40.180				-40.256	-0.076			
Y	-97.010				-97.038	-0.028			
DF	16.500	0.200	0.200		16.664	0.164	0.000	-----#	
TP	RFS	0.400		0.000	0.162	0.162	0.000	---#-----	
DIM #29,58,59A.LOC35= POSITION OF CIRCLE CIR3 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	0.000				-0.067	-0.067			
Y	-105.000				-105.023	-0.023			
DF	16.500	0.200	0.200		16.661	0.161	0.000	-----#	
TP	RFS	0.400		0.000	0.142	0.142	0.000	---#-----	
DIM #30,28,58,59C.LOC36= POSITION OF CIRCLE CIR12 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	40.180				40.118	-0.062			
Y	-97.000				-97.028	-0.028			
DF	16.500	0.200	0.200		16.668	0.168	0.000	-----#	
TP	RFS	0.400		0.000	0.136	0.136	0.000	---#-----	
DIM #31,27,58,59C.LOC37= POSITION OF CIRCLE CIR13 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	74.250				74.175	-0.075			
Y	-74.250				-74.285	-0.035			
DF	16.500	0.200	0.200		16.660	0.160	0.000	-----#	
TP	RFS	0.400		0.000	0.165	0.165	0.000	---#-----	
DIM #32,26,58,58C.LOC38= POSITION OF CIRCLE CIR14 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	BONUS	MEAS	DEV	OUTTOL		
X	97.010				96.934	-0.076			
Y	-40.180				-40.224	-0.044			
DF	16.500	0.200	0.200		16.664	0.164	0.000	-----#	
TP	RFS	0.400		0.000	0.176	0.176	0.000	---#-----	
DIM LOC7= LOCATION OF CIRCLE CIR39 UNITS=MM									
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
X	0.000	0.100	0.100	-0.062	-0.062	0.000	-#-----		
Y	0.010	0.100	0.100	-0.033	-0.042	0.000	--#-----		
D	210.000	0.100	0.100	209.995	-0.005	0.000	----#----		

DIM #53.LOC10= POSITION OF CYLINDER CYL2 USE AXIS=AVERAGE REF LENGTH=0.000 UNITS=MM  
AX NOMINAL +TOL -TOL BONUS MEAS DEV OUTTOL  
PART NUMBER=SPIDER FINISH PART NUMBER : 321101012E DATE=21-Jun-25 TIME=  
M PAGE#=13  
X 0.000 -0.023 -0.023  
DF 38.100 0.100 0.100 38.071 -0.029 0.000 ---#-----  
TP RFS 0.400 0.000 0.046 0.046 0.000 -#-----

DIM LOC15= POSITION OF CYLINDER CYL6 USE AXIS=AVERAGE REF LENGTH=0.000 UNITS=MM  
AX NOMINAL +TOL -TOL BONUS MEAS DEV OUTTOL  
X 0.000 0.027 0.027  
DF 38.100 0.100 0.100 38.081 -0.019 0.000 ---#-----  
TP RFS 0.400 0.000 0.054 0.054 0.000 -#-----

Active alignment changed to A14

CIR32=CIRCLE MEASURED FROM 9 HITS  
END OF MEASUREMENT FOR  
PN=SPIDER FINISH PART NUMBER : 321101012E DWG=G  
TOTAL # OF MEAS =0 # OUT OF TOL =0 # OF HOURS =00:00:37