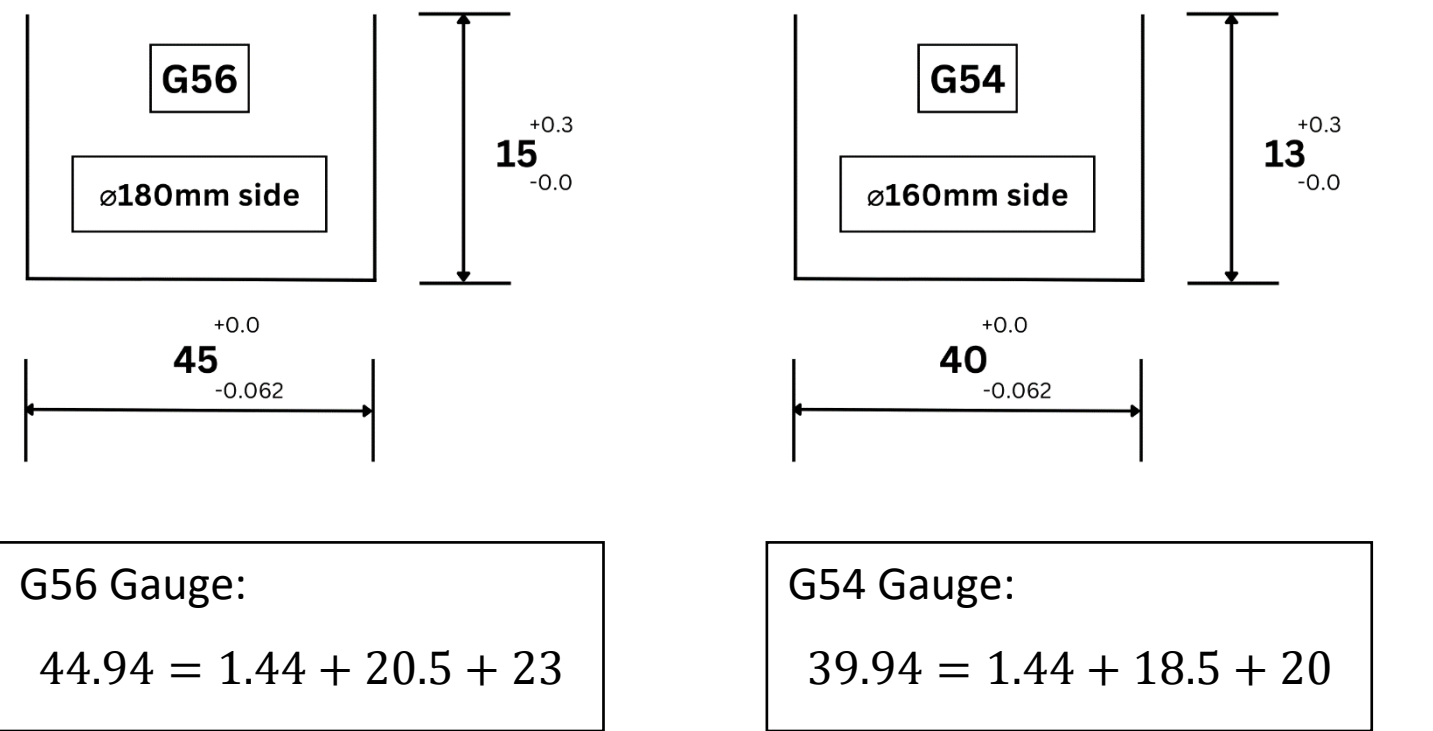


FLENDER DRAWING 5876659

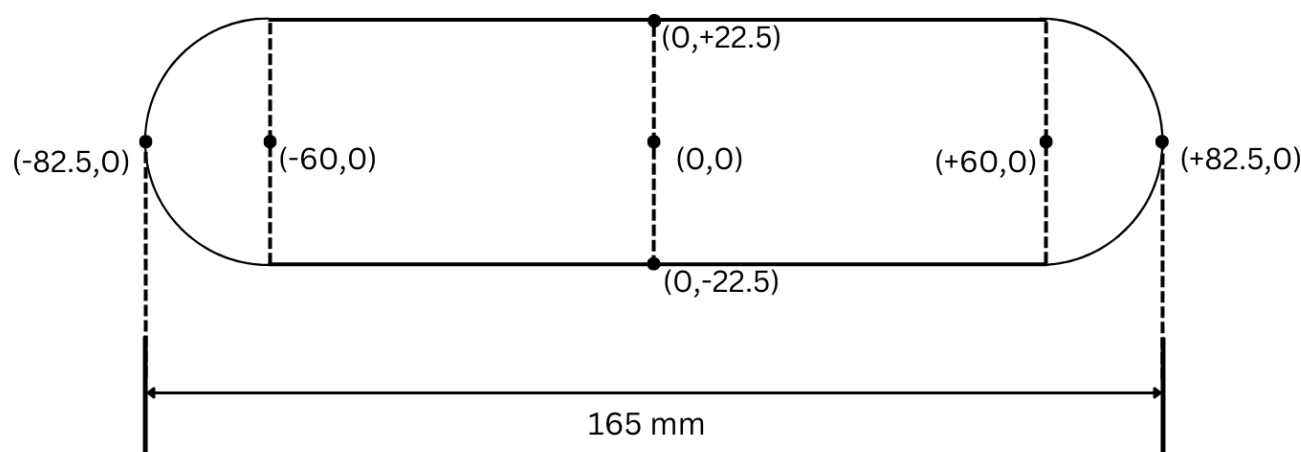
Minimum V-Block Gap for $\varnothing 170\text{mm}$ diameter = 225 mm



TOLERANCE

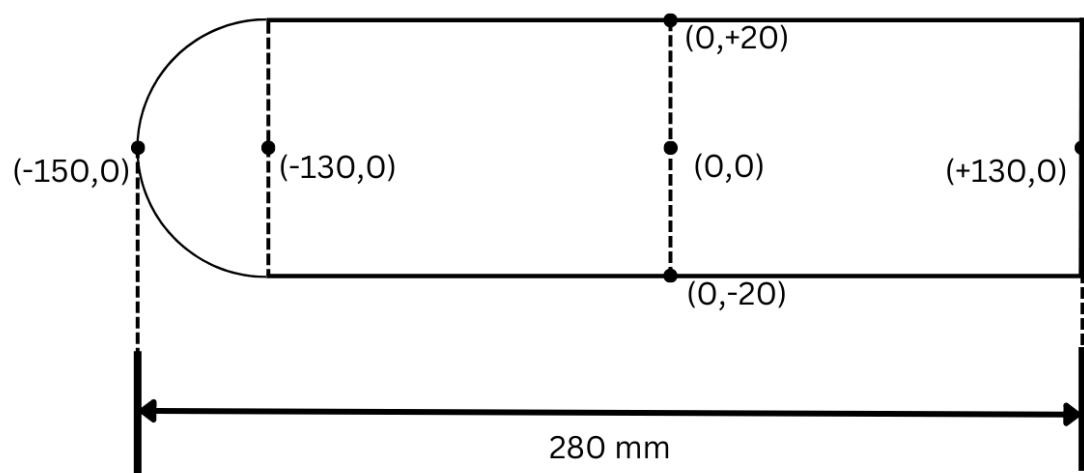
Side	180mm - G56		160mm - G54	
	Actual	Tolerance	Actual	Tolerance
Width	45	+0 / -0.062	40	+0 / -0.062
Depth	15	+0.3 / -0	13	+0.3 / -0
Length	165		280	
Symmetry		0.070		0.084
Reference	23.5		20	

G56: Ø180mm side – CLOSED SLOT (Left side)



Drawing Reference	23.5 mm
Centre Distance from reference Collar	59 mm
Centre Distance from reference slot Edge	82.5 mm

G54: Ø160mm side – OPEN SLOT (Right side)



Drawing Reference	20 mm
Centre Distance from reference Collar	170 mm
Centre Distance from reference slot Edge	150 mm

OFFSETS

NUMBER	TOOL	SIDE	H LOCATION	D LOCATION
13	Marking Pencil	G56	H75	Not Required for Checking
		G54	H76	
14	ø26.5mm Insert DRILL	G56	H77	Not Required for Drilling
		G54	H78	
15	ø25mm CUTTER (16mm Insert)	G56	H79	Not Required for Slotting
		G54	H80	
16	ø25mm CUTTER (9mm Insert)	G56	H81	D81 = 13.0
		G54	H82	D82 = 13.0
17	ø16mm SC ENDMILL	G56	H83	D83 = 8.4
		G54	H84	D84 = 8.4
		G56	Not Required for Finishing	D85 = 8.2
		G54		D86 = 8.2

PROGRAMMING

O6591	Checking
<p>* Check if Pencil Marking Tool is stopping at the edge of the Reference Collar. If not, please stop program and re-measure centre distance (x axis).</p> <p>Program will stop before every tool dip to 1mm. Measure Z centring here if needed. If any tool touches the job body, H value (height compensation) is deviating by more than 1mm. Please rectify the tool height and try again.</p>	

O6592	Roughing
<p>Please MEASURE SYMMETRY after completion. If symmetry deviation is 30-micron or more, shift Y-axis as required.</p> <p>Only reduce tool radius after width measurement. Radius reduction will be according to stock material remaining.</p>	

O6593		Finishing	
G56	H83	D85	R = 8.2
G54	H84	D86	R = 8.2
Please CHECK SLIP GAUGE AFTER G56 side completes. In case of deviation, stop program and report. Slip gauge must go fully inside the keyway to pass. Reduce radius accordingly.			

O6594	Depth
<p>Depth slotting for middle bar with 16mm Diameter SC End-Mill.</p>	

CHECKLIST

O6592		Roughing		
Operation	Side	H Offset	D offset	Radius
Collar cut	G56	H81	O6599	
Drilling	G56	H77	Not Required	
	G54	H78		
Slotting	G56	H79		
	G54	H80		
Semi roughing	G56	H81	O6598	
	G54	H82	O6597	
Semi finishing	G56	H83	D83	R = 8.4
	G54	H84	D84	R = 8.4

O6593		Finishing		
Operation	Side	H Offset	D offset	Radius
Wall finish	G56	H83	D85	R = 8.2
	G54	H84	D86	R = 8.2

O6594		Depth		
Operation	Side	H Offset	D offset	Radius
Depth finish	G56	H83	Not Required	
	G54	H84		

O6597		Semi Roughing		
Operation	Side	H Offset	D offset	Radius
Sub-program	G54		D82	R = 13.0

O6598		Semi Roughing		
Operation	Side	H Offset	D offset	Radius
Sub-program	G56		D81	R = 13.0

O6599		Collar Cut		
Operation	Side	H Offset	D offset	Radius
Sub-program	G56		D81	R = 13.0