



Competitive Labor Cost
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Dimensions and Tolerances

Magnet specification	Sketch	Normally Dimensions (mm)	Max Dimensions (mm)	Tolerance
SmCo Ring		$D \leq 50$ $D \geq 1$ $(D-d)/2 = W \geq 3$ $T \leq 50$	$D \leq 120$ $0.7 \leq T \leq 50$	Dimensions Tolerances: 0.02mm-0.05mm Coaxiality: 0.05 Perpendicularity: 0.1 Parallelism: 0.03
SmCo Disc		$D \leq 80$ $T \leq 50$	$D \leq 110$ $1 \leq T \leq 50$	Dimensions Tolerances: 0.02mm-0.05mm Perpendicularity: 0.1 Parallelism: 0.03
SmCo Cube		$L \leq 90$ $T \leq 50$ $L/W \leq 5$ $R_e \geq 0.1$	$D \leq 110$ $1 \leq T \leq 50$	Dimensions Tolerances: 0.02mm-0.05mm Perpendicularity: 0.1 Parallelism: 0.03
SmCo Bread		$L \leq 90$ $H \leq 50$ $W \leq 45$ $R_e \geq 0.1$	$L \leq 110$ $2 \leq H \leq 55$	Dimensions Tolerances: 0.03mm-0.05mm Perpendicularity: 0.05
SmCo Segment		$L \leq 90$ $W \leq 45$ $2 \leq T \leq 50$ $R_e \geq 0.1$	$L \leq 110$ $0.75 \leq H \leq 55$	Dimensions Tolerances: 0.03mm-0.05mm Perpendicularity: 0.05 Angle: 0.2° ~ 0.4°
SmCo Shaped part		$W \leq 45$ $H \leq 50$ $5 \leq T \leq 35$ $W/H \leq 3$ $R_e \geq 0.1$	$W \leq 110$ $H \leq 50$ $1 \leq T \leq 50$	Dimensions Tolerances: 0.03mm-0.05mm Coaxiality: 0.05 Perpendicularity: 0.05 Angle: 0.2° ~ 0.4°

SmCo Shaped part		$W \leq 45$ $1 \leq T \leq 35$ $10 \leq H \leq 50$ $W/H \leq 2.5$	$W \leq 90$ $1 \leq T \leq 80$ $10 \leq H \leq 50$	Dimensions Tolerances: 0.03mm-0.05mm Coaxiality: 0.05 Perpendicularity: 0.05 Angle: 0.2° - 0.4°
SmCo Cube		$W \leq 50$ $1 \leq T \leq 45$ $2 \leq H \leq 35$	$W \leq 90$ $1 \leq T \leq 80$ $H \leq 50$	Dimensions Tolerances: 0.02mm-0.05mm Perpendicularity: 0.1 Parallelism: 0.03
SmCo Cylinder		$10 \leq D \leq 40$ $d \geq 3$ $(D-d)/2 = W \geq 2$ $3 \leq H \leq 30$	$3 \leq D \leq 75$ $d \geq 3$ $(D-d)/2 = W \geq 1.5$ $1 \leq H \leq 45$	Dimensions Tolerances: 0.02mm-0.05mm Coaxiality: 0.05 Perpendicularity: 0.1 Parallelism: 0.03
SmCo Block		$10 \leq D \leq 45$ $5 \leq H \leq 30$	$2 \leq D \leq 75$ $1 \leq H \leq 50$	Dimensions Tolerances: 0.02mm-0.05mm Perpendicularity: 0.1 Parallelism: 0.03