

Tolerances for extruded rubber parts ISO 3302-1

Nominal dimension (mm)	Tolerances on cross sectional dimensions of unsupported extrusions		
	Class E1 Silicone	Class E2 Solid rubber/ TPE	Class E3 Cellrubber
$0 < a \leq 1,5$	$\pm 0,15$	$\pm 0,25$	$\pm 0,40$
$1,5 < a \leq 2,5$	$\pm 0,20$	$\pm 0,35$	$\pm 0,50$
$2,5 < a \leq 4,0$	$\pm 0,25$	$\pm 0,40$	$\pm 0,70$
$4,0 < a \leq 6,3$	$\pm 0,35$	$\pm 0,50$	$\pm 0,80$
$6,3 < a \leq 10,0$	$\pm 0,40$	$\pm 0,70$	$\pm 1,00$
$10,0 < a \leq 16,0$	$\pm 0,50$	$\pm 0,80$	$\pm 1,30$
$16,0 < a \leq 25,0$	$\pm 0,70$	$\pm 1,00$	$\pm 1,60$
$25,0 < a \leq 40,0$	$\pm 0,80$	$\pm 1,30$	$\pm 2,00$
$40,0 < a \leq 63,0$	$\pm 1,00$	$\pm 1,60$	$\pm 2,50$
$63,0 < a \leq 100,0$	$\pm 1,30$	$\pm 2,00$	$\pm 3,20$
$a > 100,0$	1,3 %	2,0 %	3,2 %

Nominal length (mm)	Tolerances on cut length of extrusions		
	Class L1 precision	Class L2 good quality	Class L3 non-critical
$a \leq 40$	$\pm 0,7$	$\pm 1,0$	$\pm 1,6$
$40 < a \leq 63$	$\pm 0,8$	$\pm 1,3$	$\pm 2,0$
$63 < a \leq 100$	$\pm 1,0$	$\pm 1,6$	$\pm 2,5$
$100 < a \leq 160$	$\pm 1,3$	$\pm 2,0$	$\pm 3,2$
$160 < a \leq 250$	$\pm 1,6$	$\pm 2,5$	$\pm 4,0$
$250 < a \leq 400$	$\pm 2,0$	$\pm 3,2$	$\pm 5,0$
$400 < a \leq 630$	$\pm 2,5$	$\pm 4,0$	$\pm 6,3$
$630 < a \leq 1000$	$\pm 3,2$	$\pm 5,0$	$\pm 10,0$
$1000 < a \leq 1600$	$\pm 4,0$	$\pm 6,3$	$\pm 12,5$
$1600 < a \leq 2500$	$\pm 5,0$	$\pm 10,0$	$\pm 16,0$
$2500 < a \leq 4000$	$\pm 6,3$	$\pm 12,5$	$\pm 20,0$
$a > 4000$	$\pm 0,16 \%$	$\pm 0,32 \%$	$\pm 0,50 \%$