



Toleranzen
Tolerances

Übersicht über die von AGATHON verwendeten Toleranzen

Grenzabmasse für Wellen

Auszug aus der ISO-Toleranz (ISO288-1988)

Durchmesser Diameter	f8	h3	h4	js4	k5	m5	n5
Abmessung in mm Deviation in mm	µm	µm	µm	µm	µm	µm	µm
≤ 3	-6 -20	0 -2	0 -3	+1.5 -1.5	+4 0	+6 +2	+8 +4
> 3 - 6	-10 -28	0 -2.5	0 -4	+2 -2	+6 +1	+9 +4	+13 +8
> 6 - 10	-13 -35	0 -2.5	0 -4	+2 -2	+7 +1	+12 +6	+16 +10
> 10 - 18	-16 -43	0 -3	0 -5	+2.5 -2.5	+9 +1	+15 +7	+20 +12
> 18 - 30	-20 -53	0 -4	0 -6	+3 -3	+11 +2	+17 +8	+24 +15
> 30 - 50	-25 -64	0 -4	0 -7	+3.5 -3.5	+13 +2	+20 +9	+28 +17
> 50 - 80	-30 -76	0 -5	0 -8	+4 -4	+15 +2	+24 +11	+33 +20
> 80 - 120	-36 -90	0 -6	0 -10	+5 -5	+18 +3	+28 +13	+38 +23

Overview of tolerances used by AGATHON

Limiting deviation for pins

Summary of the ISO-Tolerances (ISO288-1988)

1µm = 0.00003937 Inch
3µm = 0.00011811 Inch
5µm = 0.00019685 Inch
7µm = 0.00027559 Inch
9µm = 0.00035433 Inch
15µm = 0.00059055 Inch
25µm = 0.00098425 Inch

2µm = 0.00007874 Inch
4µm = 0.00015748 Inch
6µm = 0.00023622 Inch
8µm = 0.00031496 Inch
10µm = 0.00039370 Inch
20µm = 0.00078740 Inch
30µm = 0.00118110 Inch


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**Übersicht über die von AGATHON
verwendeten Toleranzen**
Grenzabmasse für Bohrungen

Auszug aus der ISO-Toleranz (ISO288-1988)

**Overview of tolerances used
by AGATHON**
Limiting deviation for bores

Summary of the ISO-Tolerances (ISO288-1988)

Durchmesser Diameter	F8	G7	H5	H6	JS4	K5	M5	N5
Abmessung in mm Deviation in mm	µm	µm	µm	µm	µm	µm	µm	µm
≤ 3	+20 +6	+12 +2	+4 0	+6 0	+1.5 -1.5	0 -4	-2 -6	-4 -8
> 3 - 6	+28 +10	+16 +4	+5 0	+8 0	+2 -2	0 -5	-3 -8	-7 -12
> 6 - 10	+35 +13	+20 +5	+6 0	+9 0	+2 -2	+1 -5	-4 -10	-8 -14
> 10 - 18	+43 +16	+24 +6	+8 0	+11 0	+2.5 -2.5	+2 -6	-4 -12	-9 -17
> 18 - 30	+53 +20	+28 +7	+9 0	+13 0	+3 -3	+1 -8	-5 -14	-12 -21
> 30 - 50	+64 +25	+34 +9	+11 0	+16 0	+3.5 -3.5	+2 -9	-5 -16	-13 -24
> 50 - 80	+76 +30	+40 +10	+13 0	+19 0	+4 -4	+3 -10	-6 -19	-15 -28
> 80 - 120	+90 +36	+47 +12	+15 0	+22 0	+5 -5	+2 -13	-8 -23	-18 -33

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Führungselemente in INCH-Abmessung
Guide elements in INCH
