



# Ganzhou Aluminium Co.,Ltd

<https://www.delta-metal.com> [Delta@delta-metal.com](mailto:Delta@delta-metal.com)

## Aluminium Circle Disc

We have 3 automatic and 2 semi-automatic aluminium circles punching machines with monthly capacities of 2200mts.

Aluminium circle is also known as aluminium disc circle, which is a perfect material for making aluminium round metal. It is usual with thickness from 0.3mm-10mm, diameter from 100mm-800mm. It is widely used in electronics, daily chemicals, medicine, culture and education, auto parts, and other industries. Especially, 1xxx and 3xxx aluminium circles are used for making kitchen utensils, cookware such as non-stick pans, saucepan, pizza pan, pressure cookers, and other hardware such as lampshades, water heater casings, etc.

Our aluminium circles are made in accordance with international standards ASTM B209, ASME SB 221, EN573, and EN485.

### 1. ALUMINIUM CIRCLES SPECIFICATION

THICKNESS (MM)	1.0-2.0mm	2.0-3.0mm	3.0-4.0mm
DIAMETER(MM)	100-600MM	100-600MM	100-450MM

### 2. CIRCLES DIAMETER AND CORRESPONDING FRAMWORK,DIE(mm)

ITEM	FRWORK SPECI	CIRCLES'S DIAMETER
1	100-200	100/105/220/225/120/125/130/135/140/145/150/155/160/165/170/175/180/185/190/195
2	200-300	200/205/210/215/220/225/230/235/240/245/250/255/260/265/270/275/280/285/290/295



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3	300-380	300/305/310/315/320/325/330/335/340/345/350/355/360/365/370/375
4	380-460	380/385/390/395/400/405/410/415/420/425/430/435/440/445/450/455
5	460-540	460/465/470/475/480/485/490/495/500/505/510/515/520/525/530/535
6	540-600	540/545/550/555/560/565/570/575/580/585/590/595/600
	Total 6 sets	Total 101 common circles diameter

### 3. physical properties

ALLOY	MATERIAL	TEMPER	THICKNESS	MPA	ELOGATION	HARDNESS
1050	DC	0	1.0-1.5	0-100	30	
			1.5-5.0		32	
3003	DC	0	1.0-1.5	100-120	30	50-55
			1.5-3.0		35	50-55
			3.0-5.0		35	50-55
8011	CC	0	1.0-4.0	100-120	35	50-55

### 4. CIRCLES TOLERANCE(MM)

normal		High grade		diameter	tolerance
thickness	Thickness tolerance	thickness	tolerance		
1.0-1.83	+/-0.05	1.0-1.5	+/-0.05	100-600	+/-0.5



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1.84-2.64	+/-0.08	1.5-2.0	+/-0.05	A specification every 5mm	
2.65-3.25	+/-0.11	2.0-2.5	+/-0.06		
3.26-4.00	+/-0.14	2.5-3.0	+/-0.07		
		3.0-3.5	+/-0.10		
		3.5-4.0	+/-0.11		

## 5. surface quality

surface is free of defects such as cracks, blisters, impurity, corrosion, dent, kink and rolled in metals.

The edge of circles shall be flat, smooth, and free of burr

Circles shall be flat without any distortion, transfiguration, flatness shall be less than 1.5mm

## 6. packing

7. manually adjust the height of each stack, swing to the pallet, inner packaging, outer packaging, cover board, landscape orientation packing by tapes, uniform compaction by packing machines, tightening external vertical and horizontal packing tapes

the height of each stack doesn't exceed 800mm, usually, within one pallet, there are 4 stacks for diameter 370mm over, 9 stacks for diameter 260-350mm and 16 stacks for diameter 210-255mm

packing material: plastic packing tapes, plastic film, corrugating paper, epe, stretch film, hollow plates, wooden pallets.

Details can be agreed between purchaser and seller

## 8. Application:

aluminium circles are widely used in non-stick pots, cooking utensils as well as battery pack, case etc.