

# SUGANUMA - Grinding Wheels

## Resinoid Internal Grinding Wheel



### Product Information

Grain : A · WA · C · AZ · MA · 32A  
 Grain Size : # 20~# 180  
 Hardness : N · O · P · Q · R · S  
 External Diameter : 25~150φ  
 Thickness : B~65 (Measured by external diameter)  
 Hole Diameter : 8~25.4 (Measured by external diameter)  
 Nut : 9.53, 12.7



### \*Internal Flat-shaped Grinders

Standard Measurements (mm)		
D	T	H
25	19	10/9.53
32	19	10/9.53
38	19	10/9.53
50	19	10/9.53
65	19	10/9.53
75	19	10/9.53

\*The nut size 9.53 are the specifications for our products.  
 \*Standard products are: A30P.

### \*Internal Flat-shaped Grinders with Connecting Nut

Standard Measurements (mm)		
D	T	H
32	13-19-32-50	6.35-9.53-10
38	13-19-38-50	6.35-9.53-10
50	13-16-19-25-32	6.35-9.53-10
65	13-16-19-25-32-50	9.53-10-12.7
75	13-16-19-25-32-50	9.53-10-12.7
100	13-16-19-25-38-50	9.53-12.7-15.88
125	13-16-19-25	12.7-15.88
150	13-16-19-25	15.88-19.05

## Resinoid Bullet-shaped Grinders

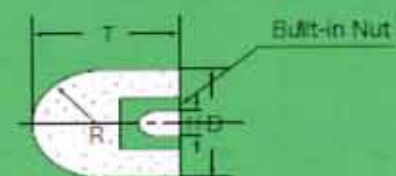


### \*Bullet-shaped Grinders with Connecting Nut

standard measurements (mm)		
D	T	H
25	50	9.53/10
25	65	9.53/10
30	50	9.53/10
30	65	9.53/10
32	65	9.53/10
38	50	9.53/10/12.7
38	65	9.53/10/12.7
50	65	9.53/10/12.7
80	85	15.88

### Product Information

Grain : A · WA · C · AZ · MA · 32A  
 Grain Size : # 20~# 100  
 Hardness : N · O · P · Q · R · S



## Vitrified Screw-on Grinders



Vitrified screw-on grinders with porcelian binding agents, have high quality performance on dimensional accuracy, shape processing, water resistancy, and durability. Excellent for standard grinding.

**A Grain Size:** Gray colors are suitable for grinding cast iron and carbon steel (raw materials).

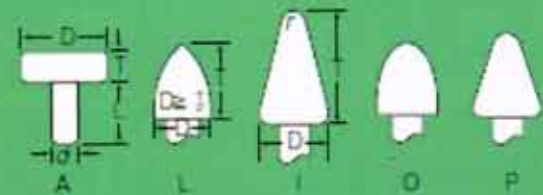
**WA Grain Size:** Red colors are suitable for grinding standard steel materials, hardnings, and steel tools.

**GC Grain Size:** Green colors are suitable for grinding titanium, glass, stone materials, and other materials that are difficult to grind.

### ● Measurements of Standard Sizes

shape	size (DxTx d)	shape	size (DxTx d)
A	5 x13x3	l (4 r)	19x28x6
A	6 x10x3	A	19x38x6
A	6 x13x3	l (3 r)	19x38x6
A	8 x13x3	O	19x38x6
A	10x13x3	A	25x25x6
A	13x13x3	A	25x38x6
A	16x16x6	l (6 r)	25x50x6
A	16x32x6	A	32x10x6
L	16x32x6	A	32x32x6
A	19x19x6	O	25x50x6
A	19x25x6	P	32x32x6

\*Standard products are WA60P/A36P



## Resinoid Screw-on Grinders



Resonoid screw-on grinders with phenol rison in the bonding agents, have sharp cutting edges, and hardly cloggs up. Exaellent for deburring and grinding weld portions.

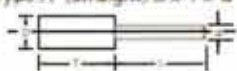
**A Grain Size:** Black colors are suitable for standard steel materials, and cast metals.

**WA Grain:** Reddish-black colors are suitable for stainless steel, and matireals that are difficult to grind

We can also provide AZ grains, GC grains, and 32A grains.

### ■ shapes and sizes

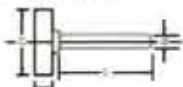
Type A (straight) D x T x d



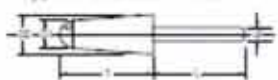
Type O (Buleshaped) D x T x d



Type B D x T x d



Type I D1/D2 x T x d



### ● Measurements of Standard Sizes

shape	size (DxTx d x L)	shape	size (DxTx d x L)
A	10x19x6x35	l	25x50x6x35
A	10x25x6x35	A	28x32x6x35
A	10x32x6x35	A	32x10x6x35
A	13x25x6x35	A	32x13x6x35
A	13x38x6x35	A	32x25x6x35
A	16x25x6x35	A	32x32x6x35
A	16x32x6x35	A	32x38x6x35
O	16x32x6x35	A	32x50x6x35
A	16x38x6x35	O	32x50x6x35
A	19x19x6x35	B	38x8x6x35
A	19x25x6x35	A	38x13x6x35
A	19x32x6x35	A	38x19x6x35
A	19x38x6x35	A	38x25x6x35
O	19x38x6x35	A	38x38x6x35
l	19x38x6x35	A	45x6x6x35
A	25x10x6x35	A	45x10x6x35
A	25x25x6x35	A	50x6x6x35
A	25x32x6x35	A	50x10x6x35
A	25x38x6x35	A	50x13x6x35
O	25x38x6x35	B	50x19x6x35
A	25x50x6x35	A	50x25x6x35
O	25x50x6x35	B	60x6x6x35

\*Standard products are A36P