

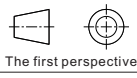
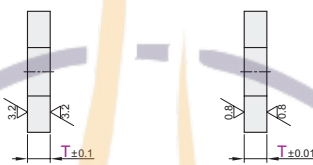
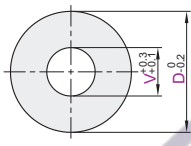
Code	Type		Sales Unit	Material		Hardness	Surface Treatment	
				GB	Equiv.			
UAC01	Standard Grade	T Selectable	Single	45	S45C	—	Black Oxide	
UAC02						43~48HRC	Electroless Nickel Plating	
UAC03						43~48HRC	—	
UAC04		0Cr18Ni9		SUS304	—	—		
UAC11		T Configurable		—	45	S45C	—	Black Oxide
UAC12							43~48HRC	Electroless Nickel Plating
UAC17	43~48HRC		—					
UAC21	Precision Grade	T Selectable	Single	45	S45C	—	Black Oxide	
UAC22						43~48HRC	Electroless Nickel Plating	
UAC23						43~48HRC	—	
UAC24		0Cr18Ni9		SUS304	—	—		
UAC27		9Cr18Mo		SUS440C	43~48HRC	—		
UAC29		T Configurable		—	45	S45C	—	Black Oxide
UAC32	43~48HRC		Electroless Nickel Plating					
UAC37	43~48HRC		—					



Collars Washers  
C1

Standard Grade  
UAC01/02/03/04  
UAC07/11/12/17

Precision Grade  
UAC21/22/23/24  
UAC27/29/31/32/37



Standard Grade, T Selectable

Part Number	V Selection		T Selection	
Code	D			
4	2 3		1	2 3
5	2 3 4		1	2 3
6	2 3 4		1	2 3
6	2 3 4 5		1.5 2	3 4 5 6
8	2 3 4 5 6		1	2 3 4 5
8	2 3 4 5 6		1.5 2 2.5	4 5 6 8
10	2 3 4 5 6 8		1	2 3 5 6
10	2 3 4 5 6 8		1.5 2 2.5 3	4 5 8
12	2 3 4 5 6 8 10		1	2 3 5 8
12	2 3 4 5 6 8 10		1.5 2	4 6 8
13	2 3 4 5 6 8 10		1.5 2	3 4 5 6
13	3 4 5 6 8 10		1.5 2.5	4
UAC03	4 5 6 8 10		1	2 3 4 5 8
UAC07	4 5 6 8 10		1.5	3 4 5
15	4 5 6 8 10 12		1	2 2.5 3 4 5 6
15	4 5 6 8 10 12		1.5	3 6
16	4 5 6 8 10 12		1	2 3 4 5 8
16	4 5 6 8 10 12		1.5	3 5
16	5 6 8 10 12		2.5	4 6
20	4 5 6 8 10 12 15 16		1.5	4 6
20	4 5 6 8 10 12 15 16		2	3 5
20	4 5 6 8 10 12 15 16		1.5 2.5 3	4 5 6 8
25	5 6 8 10 12 15 16 20		1	2 2.5 3 5 6 8
30	5 6 8 10 12 15 16 20 25		1	2 2.5 3 4 5 8
35	5 6 8 10 12 15 16 20 25		3	5 6 8 10
40	5 6 8 10 12 15 16 20 25 30		3	4 5 8 10
50	5 6 8 10 12 15 16 20 25 30		3	5 6 8 10
60	5 6 8 10 12 15 16 20 25 30		3	4 5 8 10

Standard Grade/Precision Grade, T Selectable

Part Number	V Selection		T Selection	
Code	D			
4	1 2			
5	1 2 3			
6	1 2 3 4		1	1.5 2 3 4
8	2 3 4 5 6			
10	2 3 4 5 6 8			
12	2 3 4 5 6 8 10			
13	2 3 4 5 6 8 10		1	1.5 2 2.5 3 4 5
14	3 4 5 6 8 10			
15	3 4 5 6 8 10 12			
UAC21	3 4 5 6 8 10 12			
UAC22	3 4 5 6 8 10 12 15 16		1.5	2 2.5 3 4 5
20	4 5 6 8 10 12 15 16 20		2	2.5 3 4 5
UAC24	4 5 6 8 10 12 15 16 20 25		2	2.5 3 4 5 6
UAC27	5 6 8 10 12 15 16 20 25			
UAC29	5 6 8 10 12 15 16 20 25			
35	6 8 10 12 15 16 20 25 30 35		2.5	3 4 5 6 10
40	6 8 10 12 15 16 20 25 30 35			
50	6 8 10 12 15 16 20 25 30 35			
60	8 10 12 15 16 20 25 30 35 40			

Standard Grade/Precision Grade, T Configurable

Part Number	V Selection		T	
Code	D			0.5 mm Inc.
4	1 2			
5	1 2 3			
6	1 2 3 4			
8	2 3 4 5 6			
10	2 3 4 5 6 8			
12	2 3 4 5 6 8 10			
13	3 4 5 6 8 10			
14	3 4 5 6 8 10			
15	3 4 5 6 8 10 12			
16	3 4 5 6 8 10 12			
20	3 4 5 6 8 10 12 15 16			
25	5 6 8 10 12 15 16 20			
30	6 8 10 12 15 16 20 25			



Standard Grade, T Selectable

Part Number	V		T	
Code	D			
UAC01	4		2	3
UAC03	5	2 3 4	1	2 3
UAC07	6	2 3 4		

UAC01—D4—V2—T2

Standard Grade, T Configurable

Part Number	V		T	
Code	D			
UAC11	4		1	2
UAC12	5	1 2 3	1.0	12.0
UAC17	6	1 2 3 4		

UAC11—D4—V2—T2.5

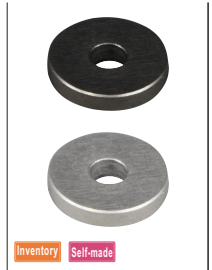
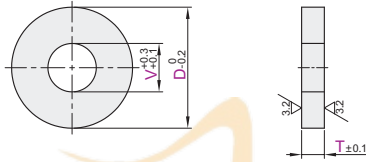


Discount price  
Per 1~99 100~  
Price 100% Additional  
Quotation.

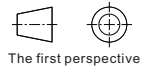


Delivery  
10

Code	Type			Sales Unit	Material		Hardness	Surface Treatment
	Standard Type	Standard Grade	T Selectable		GB	Equiv.		
UAC51				Pkg.	45	S45C	—	Black Oxide
UAC52								Electroless Nickel Plating



Inventory Self-made



The first perspective

Code	Part Number	D Selection		V	T Selection		Qty Per Pkg. (PCS)
		8	10 12		1	2	
UAC51	UAC52	10	12	4	2	3	100
		12	15	5	2	3	
		15	20	6	2	3	50
				8		3	
				10			



Part Number	D	V	T
UAC51	10 12	4	3
UAC52	12 15	5	3
UAC52	15 20	6	3

UAC51—D10—V4—T2



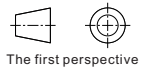
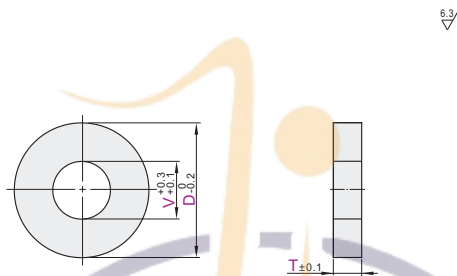
Discount price  
Per 1~4 Pkg. 5 Pkg.  
Price 100% Additional quotation



Delivery  
8

# Round Resin Washers ← Standard

Code	Type	Material	Color
UCK01	Dimension Selectable	Polyacetal	White
UCK02			Black
UCK06			Blue
UCK07	Standard	MC Nylon Standard Grade	Ivory
UCK21			White
UCK22			Black
UCK26	Dimension Configurable	MC Nylon Standard Grade	Blue
UCK27			Ivory
UCK36			PEEK



### Dimension Selectable

Part Number		V Selection	T Selection	
Code	D			
UCK01	4	2	2	
	5	2 3	2	
	6	2 3 4	2	
	8	2 3 4 5 6	2 3 5	
	10	2 3 4 5 6 8	2 3 5	
	12	3 4 5 6 8 10	2 3 5	
	UCK02	13	4 5 6 8 10	2 3 5
	UCK06	14	4 5 6 8 10	2 3 5
	UCK07	15	4 5 6 8 10 12	2 3 5
		16	4 5 6 8 10 12	2 3 5
20		4 5 6 8 10 12 15 16	2 3 5	
25		6 8 10 12 15 16 20	2 3 5	
30		8 10 12 15 16 20 25	2 3 5	

### Dimension Configurable

Part Number		V	T
Code	D		0.5 mm Inc.
UCK21	4.0~20 0.5 mm Inc.	0 (No Hole Machining)	2~10
		Selection 2	
UCK22		2.6	
UCK26		3~58	
UCK27		0.5 mm Inc.	
UCK36	21~60 1 mm Inc.	(V ≤ D-2)	



### Dimension Selectable

Part Number			
Code	D	V	T
UCK01	5	2 3	2
UCK02	6	2 3 4	2
	8	2 3 4	2 3 5

UCK01 — D5 — V3 — T2

### Dimension Configurable

Part Number			
Code	D	V	T
UCK21	4.0~20	0	2
UCK22		2.6	2~10

UCK21 — D4.5 — V2 — T3.5



Discount price			
Per	1~9	10~	
Price	100%	Additional quotation	



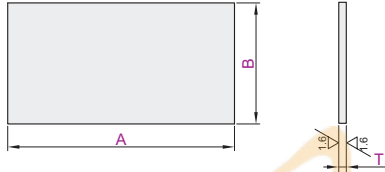
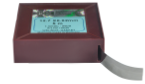
# Precision Grade Shim Plates

## Sales in Whole Roll

Raw Materials are Imported from Germany

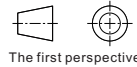
Code	Type	Sales Unit	Material	Hardness
UEN01	Precision Grade Shim Plates	Sales in Whole Roll	SK High-carbon Steel	480~600HV
UEN06			SUS304H	370~420HV

Features: Stable dimensions, rounded corners will not hurt your hands.



### T Tolerance

T	Tolerance
0.005	±0.001
0.01~0.03	±0.002
0.04~0.06	±0.003
0.07~0.12	±0.004
0.15~0.18	±0.005
0.20~0.22	±0.006
0.25~0.30	±0.007
0.35	±0.008
0.40~0.45	±0.009
0.50~0.60	±0.010
0.7	±0.012
0.80~1.00	±0.013
1.50~2.00	±0.025



### SK High-carbon Steel

Part Number	T	B	A
Code			
0.005			
0.01			
0.02			
0.03			
0.04			
0.05			
0.06			
0.07			
0.08			
0.09	12.7	1000	
0.10		5000	
0.15			
0.20			
0.25			
0.30			
0.35			
0.40			
0.45			
0.50			
0.005			
0.01			
0.02			
0.03			
0.04			
0.05			
0.06			
0.07			
0.08			
0.09	25	5000	
0.10			
0.15			
0.20			
0.25			
0.30			
0.35			
0.40			
0.45			
0.50			
0.005			
0.01			
0.02			
0.03			
0.04			
0.05			
0.06			
0.07			
0.08			
0.09	50	1000	
0.10		5000	
0.15			
0.20			
0.25			
0.30			
0.35			
0.40			
0.45			
0.50			

### SUS304H

Part Number	T	B	A
Code			
0.005			
0.01			
0.02			
0.03			
0.04			
0.05			
0.06			
0.07			
0.08			
0.09	12.7	1000	
0.10		5000	
0.15			
0.20			
0.25			
0.30			
0.35			
0.40			
0.45			
0.50			
0.005			
0.01			
0.02			
0.03			
0.04			
0.05			
0.06			
0.07			
0.08			
0.09	25	5000	
0.10			
0.15			
0.20			
0.25			
0.30			
0.35			
0.40			
0.45			
0.50			
0.005			
0.01			
0.02			
0.03			
0.04			
0.05			
0.06			
0.07			
0.08			
0.09	50	1000	
0.10		5000	
0.15			
0.20			
0.25			
0.30			
0.35			
0.40			
0.45			
0.50			

### SUS304H

Part Number	T	B	A
Code			
0.005			
0.01			
0.02			
0.03			
0.04			
0.05			
0.06			
0.07			
0.08			
0.09	100	1000	
0.10		5000	
0.15			
0.20			
0.25			
0.30			
0.35			
0.40			
0.45			
0.50			

### SK High-carbon Steel

Part Number	T	B	A
Code			
0.005			
0.01			
0.02			

Please order as shown

UEN01-T0.005-B12.7-A1000

### Discount price

Per	1~9	10~
Price	100%	Additional quotation

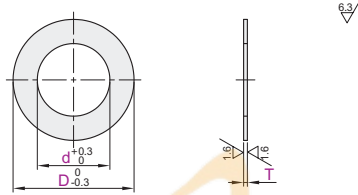


# Precision Grade Shim Rings

Code	Type	Material		Hardness
		GB	Equiv.	
UEN21	Precision Grade Shim Rings	0Cr18Ni9	SUS304H	350~400HV
UEN26		H62	Brass (C2801P or C2680P)	—

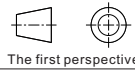


ⓘ A gap with 0.1-1mm is on the brink of the back of some products as a result of different process and batches.



☑ T Tolerance

Code	T Tolerance								
	0.01	0.02	0.03	0.05	0.1	0.2	0.3	0.5	1.0
UEN21	±0.003	±0.003	±0.005	±0.005	±0.02	±0.03	±0.035	±0.04	±0.05
UEN26	—	—	—	—	—	—	±0.04	±0.05	±0.08



Part Number	d	D	T				
UEN21	2	3	(0.01)				
	3	4 5 6		(0.02)			
	4	4			(0.03)		
	5	5 6 7 8 10	For only UEN21				
	6	6 7 8 10 12					
	8	7 8 10 12 14 16					
	10	8 10 12 14 16	(0.05)				
	12	12 14 16 18 20		For only UEN26			
	15	12 14 16 18 20					
	16	16 18 20 21 22					
	UEN26	17	18 20 21 22 24	0.1			
		20	20 21 22 24 28		0.2		
		22	20 21 22 24 28 30 32			0.3	
		25	24 28 30 32 35 40				0.5
		28	28 30 32 35 40 42				
30		30 32 35 40 42 45					
35		32 35 40 42 45 50					
40		35 40 42 45 50					
45		42 45 50 55					
		45 50 55					
	50 55						

ⓘ If d = 2 or 3 and D = 3, the thickness T0.5 and T1.0 are not applicable to UEN21.



Part Number	d	D	T
UEN21	2	3	0.1
UEN21 - d2 - D4 - T0.2			



Discount price		
Per	1~9	10~
Price	100%	Additional quotation



Collars Washers  
C1