

Retaining Rings -

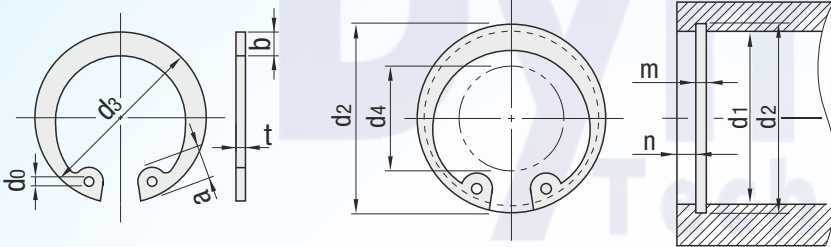
C Type (Internal) / Retaining Ring Pliers - DRTWN / DRTWS

Retaining Rings - C Type (Internal)

d4: Minimum circumferential diameter when a retaining ring is fitted inside d1 (Clearance I.D.)

DRTWN
DRTWS (Stainless Steel)

Applicable Hole



Type	Material	Hardness
DRTWN	Spring Steel	44~53HRC
DRTWS	SUS304-CSP	36~44HRC



Product Description

- Mounting: Internal groove fit.
- Design: C-type for easy install/removal.
- Materials: Steel (DRTWN), Stainless Steel (DRTWS).
- Sold Individually: Ideal for low-volume use.
- Applications: Machinery, motors, gear housings.
- Function: Prevents axial movement under load.

Part Number		Retaining Ring							Reference	Applicable Hole							
Type	No.	D3	Tolerance	t	Tolerance	b	a	d ₀	d ₄	d ₁	d ₂	Tolerance	m	Tolerance	n (Min.)		
DRTWN	10	10.7	±0.18	1	±0.05		2.8		4	10	10.4	+0.11 0	1.15		1.5		
	11	11.8					3		4	11	11.4						
	12	13					3.1		5	12	12.5						
	13	14.1					3.1		6	13	13.6						
	14	15.1					3.6		7	14	14.6						
	15	16.2					3.6		8	15	15.7						
	16	17.3					3.7		8	16	16.8						
	17	18.3					3.8		9	17	17.8						
	19	20.5	±0.2	1.2	±0.06		4		11	19	20	+0.21 0	1.35	+0.14 0	2		
	20	21.5					4		12	20	21						
	21	22.5					4.1		12	21	22						
	22	23.5					4.1		13	22	23						
	24	25.9					4.3		15	24	25.2						
	25	26.9					4.4		16	25	26.2						
	26	27.9					4.6		16	26	27.2						
	28	30.1					4.6		18	28	29.4						
30	32.1	±0.25	1.5	±0.07		4.7		20	30	31.4	+0.25 0	1.65		2			
32	34.4					5.2		21	32	33.7							
35	37.8					5.2		24	35	37							
37	39.8					5.2		26	37	39							
40	43.5					5.7		28	40	42.5							
42	45.5					5.8		30	42	44.5							
45	48.5					5.9		33	45	47.5							
47	50.5					6.1		34	47	49.5							
52	56.2	±0.45	2	±0.08		6.5		39	52	55	+0.3 0	2.2		2.5			
55	59.2					6.5		41	55	58							
60	64.2					6.8		46	60	63							
62	66.2					6.9		48	62	65							
68	72.5					7.4		53	68	71							
72	76.5					7.4		57	72	75							
80	85.5					8		64	80	83.5					+0.35 0	2.7	

For orders larger than indicated quantity, please check with WOS.

Basic Specifications

- **Type** - Retained with Inner Ring
- **Mounting Method Type** - Standard
- **Shape** - Standard Type (C-Ring)
- **Sales Unit** - Low Quantity (Available beginning with 1 pc.)
- **Retaining Ring Type** - Retained with Inner Ring
- **Product Type** - Retaining Ring

ORDERING GUIDE



DRTWN10
DRTWS20