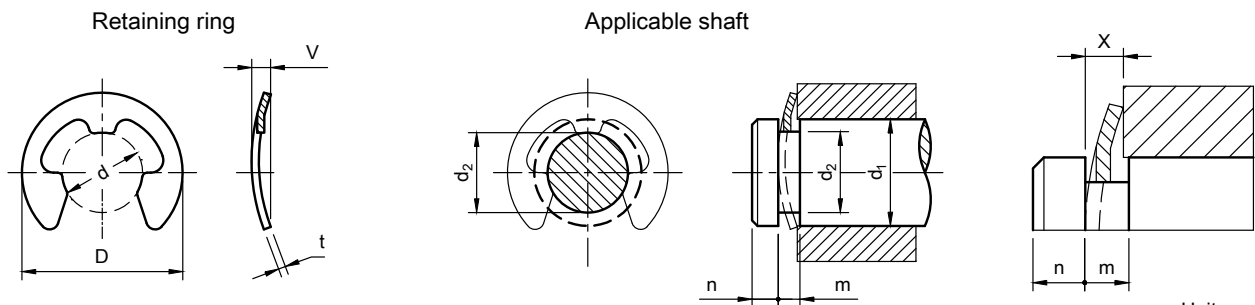


Unit : mm

Size-No.	Retaining ring								Applicable shaft							
	d		D		H		t		d ₁		d ₂		m		n	
	Basic	Tol.	Basic	Tol.	Basic	Tol.	Basic	Tol.	Over	Under	Basic	Tol.	Basic	Tol.	Min.	
ETW- ※ 0.6	0.6	±0.04	1.5		0.45	±0.02			0.8	1	0.65					
※ 0.7	0.67	0	2	±0.1	0.55	0	0.2	±0.02	0.9	1.2	0.7	+0.05 0	0.3	+0.05 0	0.4	
※ 0.8	0.8	-0.08	2		0.7	-0.1			1	1.4	0.82					
※ 1	0.98		2.8		0.88				1.3	1.7	1					
※ 1.2	1.2		3	±0.2	1		0.3	±0.025	1.4	2	1.23	+0.06 0	0.4	+0.05 0	0.5	
※ 1.5	1.5		4		1.3				2	2.5	1.53					
※ 1.9	1.9	0	4.5		1.7	0			2.5	3	1.93					
※ 2	2	-0.09	5		1.7	-0.25			2.5	3.2	2.05					
※ 2.3	2.3		6		2				3	4	2.35					
※ 2.5	2.5		6		2.1				3.2	4	2.55					
※ 3	3		7		2.6				4	5	3.05					
※ 3.2	3.2		7		2.8				4	5	3.25					
※ 4	4	0	9		3.5	0			5	7	4.05					
5	5	-0.12	11		4.3	0.3			6	8	5.05					
6	6		12	5.2		7	9	6.05								
7	7		14	6.1		8	11	7.1								
8	8	0	16	6.9	0	9	12	8.1								
9	9	-0.15	18	7.8	-0.35	10	14	9.1								
※ 10	10		20	8.7		11	15	10.15								
12	12	0	23	10.4	0	13	18	12.15								
※ 15	15	-0.18	29	13	-0.45	16	24	15.15								
19	19	0	37	16.5	0	20	31	19.15								
24	24	-0.21	44	20.8	-0.5	25	38	24.15								

- Material = carbon steel Hardness = HRC44~52 Finish = black oxide or phosphate coating (ACP) or nickel plating
- Material = stainless steel
- Note : ※ Mark is according to our company's specification.

Bowed E-type Retaining Ring



Unit : mm

Size-No.	Retaining ring					Applicable shaft											
	d	D	T	V		d ₁		d ₂		m		X		n			
	Basic	Tol.	Basic	Basic	Tol.	Min.	Max.	Basic	Tol.	Basic	Tol.	Min.	Max.	Min.			
BETW- 1.5	1.5	4	0.4	0.8		2	2.5	1.53		0.8		0.55	0.65	0.8			
2	2	5	0.4	0.8	+0.15 -0.1	2.5	3.2	2.05	+0.06 0	0.8	+0.1 0	0.55	0.65	1			
2.5	2.5	6	0.4	0.8		3.2	4	2.55		0.8		0.55	0.65	1			
3	3	7	0.6	1.1		4	5	3.05		1.1		0.85	1	1			
4	4	9	0.6	1.1	+0.25 0	5	7	4.05	+0.075 0	1.1	+0.1 0	0.85	1	1.2			
5	5	11	0.6	1.1		6	8	5.05		1.1		0.85	1	1.2			
6	6	12	0.8	1.3	+0.4 0	7	9	6.05	+0.09 0	1.3	+0.1 0	1	1.2	1.2			
7	7	14	0.8	1.3		8	11	7.1		1.3		1	1.2	1.5			
8	8	16	0.8	1.3		9	12	8.1		1.3		1	1.2	1.8			
9	9	18	0.8	1.3		10	14	9.1		1.3		1	1.2	2			
10	10	20	1	1.7		11	15	10.15		1.7		1.3	1.6	2			
12	12	23	1	1.7		13	18	12.15		1.7		1.3	1.6	2.5			
15	15	29	1.5	2.3		+0.6 0	16	24		15.15		+0.11 0	2.3		1.8	2.2	3

- Material = carbon steel Hardness = HRC44~52 Finish = black oxide or phosphate coating (ACP)