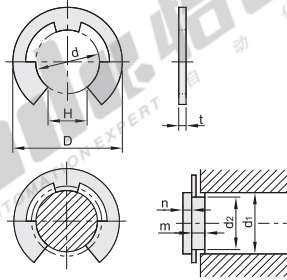


# External Retaining Rings

## E-Rings

Japanese Standard

Code	Material		Hardness	Surface Treatment
	GB	Equiv.		
TBP12	3Cr13	SUS420J2	34~42HRC	—



Part Number		Retaining Ring								Applicable Shaft(Reference)					
Code	No.	d		D		H		t		d <sub>1</sub> Class		d <sub>2</sub>		m	n (min.)
		>	<	>	<	>	<	>	<	>	<				
TBP12	1.2	1.2		3	±0.1	1		0.3	±0.025	1.4	2	1.23		0.4	0.6
	1.5	1.5		4		1.3				2	2.5	1.53		+0.05	0.8
	2	2	0 -0.09	5		1.7	0 -0.25	0.4	±0.03	2.5	3.2	2.05	+0.06 0	0.5	1
	2.5	2.5		6		2.1				3.2	4	2.55			1
	3	3		7		2.6				4	5	3.05			1
	4	4		9		3.5		0.6		5	7	4.05		0.7	1.2
	5	5	0 -0.12	11	±0.2	4.3	0 -0.30			6	8	5.05	+0.075 0		1.2
	6	6		12		5.2			±0.04	7	9	6.05		+0.1 0	1.2
	7	7		14		6.1		0.8		8	11	7.1			1.5
	8	8	0 -0.15	16		6.9	0 -0.35			9	12	8.1	+0.09 0	0.9	1.8
	9	9		18		7.8				10	13	9.1			2.1



Please order as shown

Part Number Code	No.
TBP12	1.2
	1.5

TBP12 — 1.2



Discount price	
Per	1~499 500~
Price	100% Additional quotation



Delivery
8

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