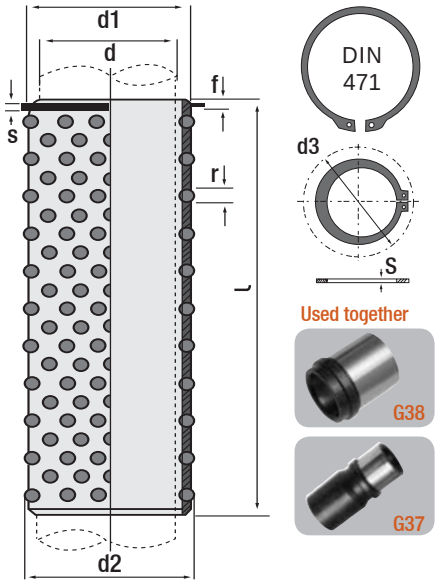
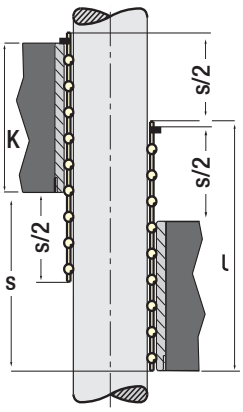
Ball Cage Bush

Code: G70

Heat resistance of ball cage is 120° C.
Ball cages are presented with circlips.



Used together



l = K + 0.5 x s

G70
Ball Cage

G70-1
Retaining Spring

G151
Holder Flange

G10
Guide Pillar

G37 - G38
Steel Bushes

Order: **G70. d x l**

Material: Ms58
Ball: 100 Cr6, Tolerance: +0.001

Code: G70

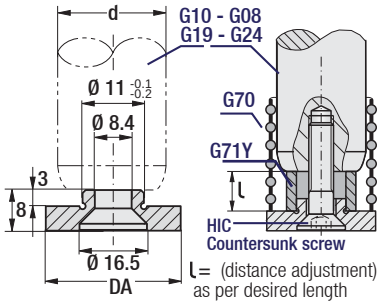
d mm	l mm	Ø d1	Ball d2	Ball r	Circlip d3	Circlip f	Circlip s
12	40	15	16	2	20.5	2.5	1.2
	56						
15	45	20	21	3	29	2.7	1.2
	56						
16	71	21	22		30.2		
18	45	23	24	3	32.6	2.8	1.2
	56						
	71						
19	45	24	25	3	33.2	2.9	1.2
	56						
	71						
20	80	25	26		34.2		
	95						
24	45	29	30	3	39.1	3.2	1.5
	56						
	71						
	80						
25	95	30	31		40.5		
	105						
	120						
32	45	39	40	4	51.4	4.0	1.8
	56						
	75						
	80						
30	95	37	38		49		
	105						
	120						
	140						
38	56	45	46	4	59.1	4.0	1.8
	71						
	80						
	95						
40	105	47	48		60.0		
	120						
	140						
	160						
48	71	55	56	4	70.2	4.3	2.0
	80						
	95						
	105						
50	120	57	58		72.6		
	140						
	160						
60	85	67	68	4	83.1	4.8	2.5
	95						
	105						
	120						
63	140	70	71		87		
	160						
	180						
	200						
80	105	90	92	6	108.5	6.2	3.0
	120						
	140						
	160						
	200						
	240						

NEW

Code: G151

Ball Cage Holder Flange

In ball cage bush systems, it prevents detaching of cage **(G70)** from guide pillar during operating. **In mounting to die**: Spacer tube **(G71Y)** of ball cage stroke distance and countersunk head screw (HIC) can be adjusted in desired length.



l = (distance adjustment) as per desired length

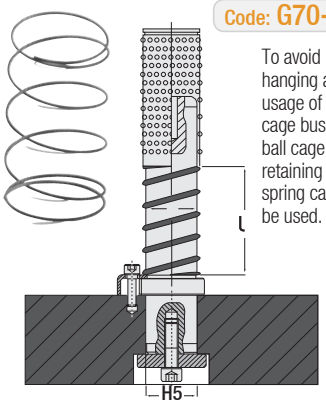
d	DA	Pillar Dia.
20	25	Ø 20
25	30	Ø 25
30	37	Ø 30
40	47	Ø 40
50	57	Ø 50
60	67	Ø 60
63	70	Ø 63

Order: **G151. d (pillar)**

Material: 1.7131 (16MnCr5)

Ball Cage Retaining Spring

Code: G70-1



To avoid hanging at usage of ball cage bush, ball cage retaining spring can be used.

Ø d	l mm	Note:
19	Up to 40 ~ 140	Production in ball systems or other die inner designs as per request. **l: 10 mm ranges**
20		
24	Up to 40 ~ 180	
25		
30	Up to 50 ~ 230	
32		
38	Up to 60 ~ 280	
40		
48	Up to 70 ~ 280	
50		
60	Up to 80 ~ 250	Order: **G70-1. d x l**
63		