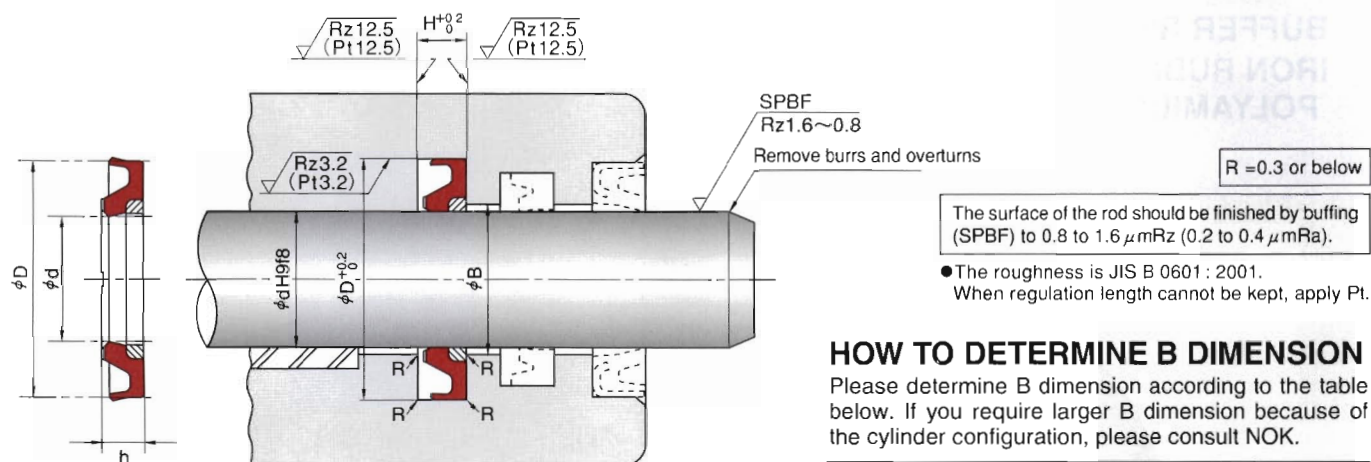


HB Y TYPE BUFFER RING



HOW TO DETERMINE B DIMENSION

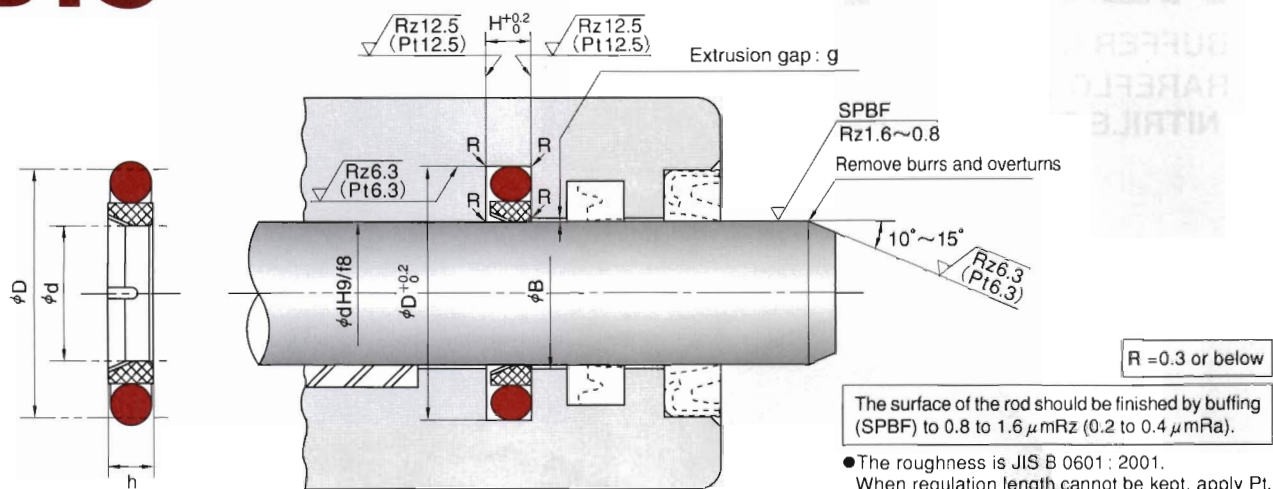
Please determine B dimension according to the table below. If you require larger B dimension because of the cylinder configuration, please consult NOK.

Maximum Service Pressure	35MPa	42MPa	50MPa
B Dimension	d+0.8	d+0.4	d+0.25

Nominal Size of Buffer Ring, and Housing dimensions				NOK Part Number	
d	D	h	H	Standard (U801)	Heat resistant type(U641)
40	55.5	6	6.3	FQ0253F3	FQ0253F4
45	60.5			FQ0254F5	FQ0254F6
50	65.5			FQ0255F4	FQ0255F3
55	70.5			FQ0256F4	FQ0256F5
60	75.5			FQ0257F4	FQ0257F5
65	80.5			FQ0258F4	FQ0258F3
70	85.5			FQ0244F5	FQ0244F4
75	90.5			FQ0245F5	FQ0245F4
80	95.5			FQ0246F6	FQ0246F5
85	100.5			FQ0259F5	FQ0259F6
90	105.5			FQ0260F6	FQ0260F5
95	110.5			FQ0575F6	FQ0575F4
100	115.5			FQ0261F7	FQ0261F5
105	120.5			FQ0629F6	FQ0629F5
110	125.5			FQ0262F6	FQ0262F4
115	130.5			FQ0868F5	FQ0868F4
120	135.5			FQ0263F4	FQ0263F5
125	140.5			FQ0842F3	FQ0842F4
130	145.5			FQ0264F5	FQ0264F4
132	147.5			FQ0784F2	FQ0784F3
135	150.5	FQ0904F2	FQ0904F3		
140	155.5	FQ0265F5	FQ0265F4		
150	165.5	FQ0871F3	FQ0871F4		
160	175.5	FQ0433F4	FQ0433F5		
170	185.5	FQ0603F0	FQ0603F1		
180	195.5	FQ0451F0	FQ0451F1		
190	205.5	FQ0646F0	FQ0646F1		
200	221	FQ0830F0	FQ0830F2		
210	231	7.7	8	FQ0824F0	FQ0824F2

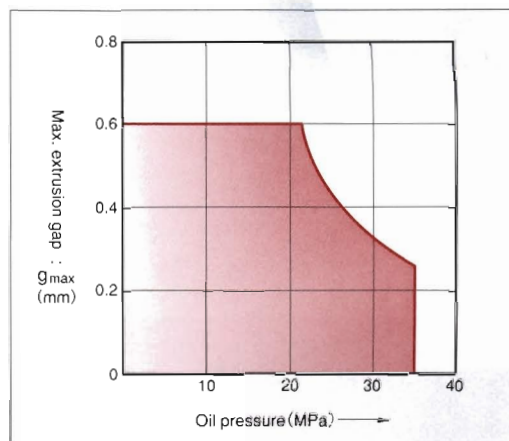
F DIMENSION
HB Y

HBTS TYPE BUFFER RING



HOW TO DETERMINE B DIMENSION

To determine B dimension, please refer to the graph in the right for the maximum extrusion gap (one side) considering the eccentricity of operating condition of the rod



F DIMENSION HBTS

Nominal Number	Nominal Size of Buffer Ring, and Housing dimensions				NOK Part Number
	d	D	h	H	
HBTS 40	40	55.5	5.9	6.3	GS0707V2
45	45	60.5			GS0708V2
50	50	65.5			GS0709V2
55	55	70.5			GS0710V2
60	60	75.5			GS0711V2
65	65	80.5			GS0712V2
70	70	85.5			GS0713V2
75	75	90.5			GS0714V2
80	80	95.5			GS0715V2
85	85	100.5			GS0716V2
90	90	105.5			GS0717V2
100	100	115.5			GS0718V2
110	110	125.5			GS0719V2
120	120	135.5			GS0720V2
130	130	145.5	GS0721V2		
140	140	155.5	GS0722V2		