



## Imperial Triple Convolute Bellows Type

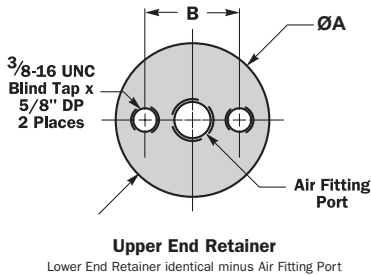
MODEL NUMBER		ACTUATION SPECIFICATIONS					ISOLATION SPECIFICATIONS					
PRODUCT DESCRIPTION NUMBER	ASSEMBLY NUMBER	MAX. STROKE (mm)	FORCE (N) AT A STROKE OF:*				ISOLATOR LOAD RANGE (N)**	APPROXIMATE SYSTEM NATURAL FREQUENCY Hz***	DESIGN HEIGHT RANGE (mm)	% ISOLATION AT INPUT FREQ OF:		
			75 (mm)	150 (mm)	225 (mm)	Max. (mm)				7,25 Hz	14,5 Hz	30 Hz
YI-3B12	304 305	337	37 810	32 920	25 800	12 900	23 130 – 31 580	1,50	279 – 381	94	98	99
	308	337	37 810	32 920	25 800	12 900	23 130 – 31 580	1,50	279 – 381	94	98	99
	450 374	400	55 160	48 490	42 930	20 020	45 370 – 48 930	1,25	267 – 318	95	99	99
YI-3B14	453 411	396	55 490	48 040	42 260	20 020	45 370 – 48 930	1,25	267 – 318	95	98	99
	354 361	338	60 050	52 930	43 370	21 570	47 600 – 53 820	1,50	267 – 318	95	98	99
	351 353	272	52 930	44 480	31 800	21 570	47 600 – 53 820	1,50	267 – 318	95	98	99
YI-3B15	375 377	312	64 500	56 270	44 930	27 360	49 820 – 56 940	1,42	267 – 318	91	97	99
	376 378	246	57 830	46 710	32 030	27 360	49 820 – 56 940	1,42	267 – 318	91	97	99

## Imperial Bead Ring Type

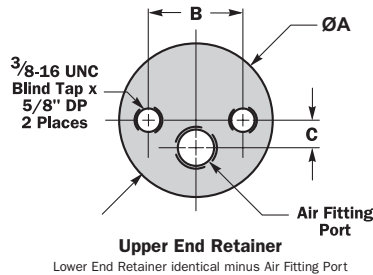
MODEL NUMBER		ACTUATION SPECIFICATIONS					ISOLATION SPECIFICATIONS					
PRODUCT DESCRIPTION NUMBER	ASSEMBLY NUMBER	MAX. STROKE (mm)	FORCE (N) AT STROKE OF:				ISOLATOR LOAD RANGE (N)**	APPROXIMATE SYSTEM NATURAL FREQUENCY Hz***	DESIGN HEIGHT RANGE (mm)	% ISOLATION AT INPUT FREQ OF:		
			50 (mm)	100 (mm)	200 (mm)	Max. (mm)				7,25 Hz	14,5 Hz	30 Hz
YI-2B9	240	203	20 680	17 130	2 220	2 220	11 570 – 16 080	1,92	203 - 229	92	98	99
YI-2B12	340	193	37 590	32 030	—	12 900	20 350 – 32 050	1,83	191 - 241	93	98	99
YI-2B19	8433	222	114 720	103 550	60 940	47 600	14 230 – 105 420	1,67	178 - 254	92	97	99
YI-2B22	8539	235	154 800	138 780	92 080	65 830	23 130 – 141 010	1,58	178 - 229	93	97	99

## End Retainer Styles

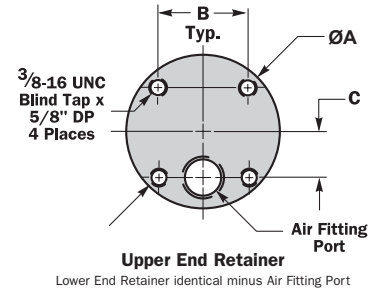
STYLE 2



STYLE 3



STYLE 4



\* Listed strokes start from the compressed height of the Air Spring.

\*\* This range is based on 100 psi (7 bar); to obtain the lower limit (i.e., minimum load @ 20 psi) divide the smaller value by 5.

\*\*\* In the "Isolation Specification" section, there is a column titled: "% Isolation At Input Frequency." The figures in this column reflect the approximate percentage of isolation obtainable, if the design height is at the center of the design height range, and the load per air spring is within the isolator load range. If the design height is above or below the design height range, vibration isolation may be slightly higher or lower, respectively.

Note: For values other than 100 psi (7 bar), consult factory.

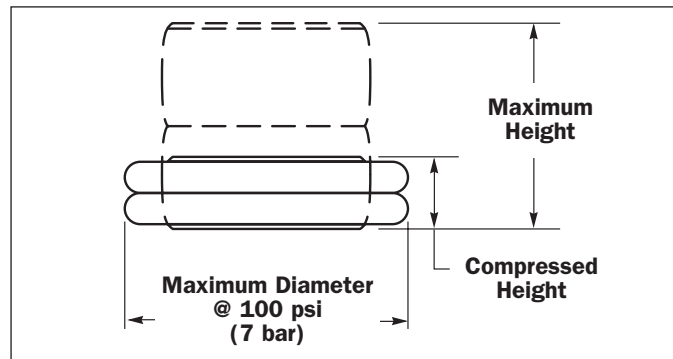


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ENVELOPE DIMENSIONS			MOUNTING DIMENSIONS			FEATURES			MODEL NUMBER	
MAX. Ø @ 7 bar (mm)	COMPRESSED HEIGHT (mm)	MAXIMUM HEIGHT (mm)	A END PLATE RET. DIAM. (mm)	B BLIND TAP SPACING (mm)	C FILL PORT OFFSET (mm)	END RETAINER STYLE	AIR FITTING PORT (NPTF)	INTERNAL BUMPER	ASSEMBLY NUMBER	PRODUCT DESCRIPTION NUMBER
330	120	457	228,6	157,5	72,9	3	1/4 3/4	NO	304 305	YI-3B12
330	120	457	228,6	157,5	—	2	1/4	NO	308	
394	120	520	287,0	158,8	79,5	4	1/4 3/4	NO	450 374	YI-3B14
394	124	520	287,0	158,8	79,5	4	1/4 3/4	YES	453 411	
394	120	457	287,0	158,8	79,2	4	1/4 3/4	NO	354 361	
394	185	457	287,0	158,8	79,2	4	1/4 3/4	YES	351 353	
419	120	431	287,0	158,8	79,2	4	1/4 3/4	NO	375 377	YI-3B15
419	185	431	287,0	158,8	79,2	4	1/4 3/4	YES	376 378	

## Imperial Bead Ring Type

ENVELOPE DIMENSIONS			MOUNTING DIMENSIONS			SPARE PARTS	MODEL NUMBER	
MAX. Ø @ 7 bar (mm)	COMPRESSED HEIGHT (mm)	MAXIMUM HEIGHT (mm)	A MOUNTING DIAMETER	B THREAD	C NUMBER OF STUDS	FLEX MEMBER	ASSEMBLY NUMBER	PRODUCT DESCRIPTION NUMBER
262	89	292	159,0	5/16-24 UNC	8	Y6-578-92-3-202	240	YI-2B9
330	89	282	227,0	5/16-24 UNC	12	Y6-578-92-3-309	340	YI-2B12
521	83	305	419,0	3/8-24UNF x 2,05	24	Y6-556-23-8350	8433	YI-2B19
584	83	318	483,0	3/8-24UNF x 2,05	24	Y6-556-23-8203	8539	YI-2B22



## Bead Ring Dimension

