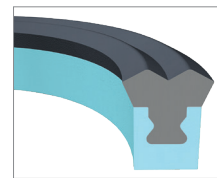
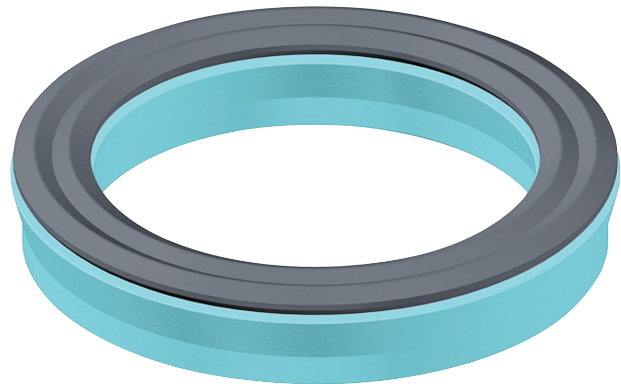
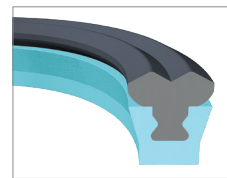


Seal Materials	Temp. Range
Nitrile	-40°C to 120°C
Low Temp. Nitrile	-54°C to 116°C
Viton™/Fluorocarbon	-26°C to 204°C
Base Materials	
Urethane	-54°C to 105°C
Hytrel®	-54°C to 149°C

Additional compounds are available upon request, including: carboxylated nitrile, hydrogenated nitrile, EPDM, TFE/P, and PTFE.



Standard Z

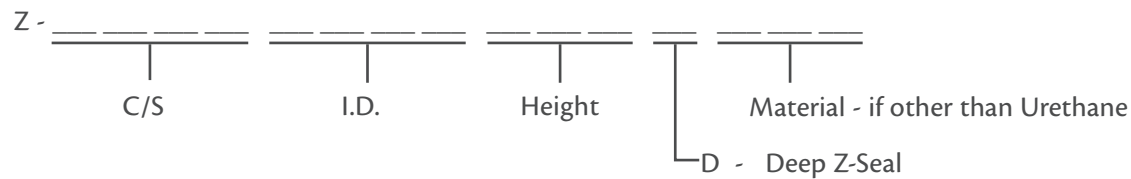


Deep Z

Product Description

Z-seals are a squeeze type seal primarily used for heavy-duty rod applications. This seal combines excellent sealability, low compression set, and superior anti-extrusion characteristics compared to other lip seals. Under low-pressure conditions the sealing lip provides its own compressive seal force. As the pressure increases, hydrostatic pressure is mechanically transmitted through the elastomer seal element into the anti-extrusion base. The applied force then deflects radially in a controlled manner, closing the extrusion gap behind the sealing lip. Z-seals are also good at compensating for high shock loads, such as bucket impacts.

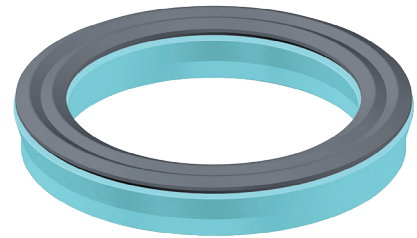
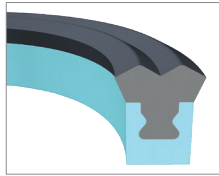
Part Numbers:



Example: Z 5000 3000 750 D - Urethane Base, Nitrile Seal Lip, Deep Z-Seal, 1/2" C/S, 3" I.D., 3/4" Height

Z-Seals

IMPERIAL SEALS



Z-seal part numbers are based on a nitrile sealing lip and a urethane base.

C/S	Part Number	Nominal		Height
		I.D.	O.D.	
1/8"	Z 12500125250	1/8	3/8	1/4
	Z 12500187250	3/16	7/16	1/4
	Z 12500250250	1/4	1/2	1/4
	Z 12500312250	5/16	9/16	1/4
	Z 12500375250	3/8	5/8	1/4
	Z 12500437250	7/16	11/16	1/4
	Z 12500500250	1/2	3/4	1/4
	Z 12500562250	9/16	13/16	1/4
	Z 12500625250	5/8	7/8	1/4
	Z 12500687250	11/16	15/16	1/4
	Z 12500750250	3/4	1	1/4
	Z 12500812250	13/16	1 - 1/16	1/4
	Z 12500875250	7/8	1 - 1/8	1/4
	Z 12500937250	15/16	1 - 3/16	1/4
	Z 12501000250	1	1 - 1/4	1/4
	Z 12501062250	1 - 1/16	1 - 5/16	1/4
	Z 12501125250	1 - 1/8	1 - 3/8	1/4
	Z 12501187250	1 - 3/16	1 - 7/16	1/4
	Z 12501250250	1 - 1/4	1 - 1/2	1/4
	Z 12501312250	1 - 5/16	1 - 9/16	1/4
	Z 12501375250	1 - 3/8	1 - 5/8	1/4
	Z 12501437250	1 - 7/16	1 - 11/16	1/4
	Z 12501500250	1 - 1/2	1 - 3/4	1/4
	Z 12501625250	1 - 5/8	1 - 7/8	1/4
	Z 12501750250	1 - 3/4	2	1/4
	Z 12501875250	1 - 7/8	2 - 1/8	1/4
	Z 12502000250	2	2 - 1/4	1/4
	Z 12502125250	2 - 1/8	2 - 3/8	1/4
	Z 12502250250	2 - 1/4	2 - 1/2	1/4
	Z 12502375250	2 - 3/8	2 - 5/8	1/4
	Z 12502500250	2 - 1/2	2 - 3/4	1/4
3/16"	Z 18700187312	3/16	9/16	5/16
	Z 18700250312	1/4	5/8	5/16
	Z 18700312312	5/16	11/16	5/16
	Z 18700375312	3/8	3/4	5/16

C/S	Part Number	Nominal		Height
		I.D.	O.D.	
3/16"	Z 18700437312	7/16	13/16	5/16
	Z 18700500312	1/2	7/8	5/16
	Z 18700562312	9/16	15/16	5/16
	Z 18700625312	5/8	1	5/16
	Z 18700687312	11/16	1 - 1/16	5/16
	Z 18700750312	3/4	1 - 1/8	5/16
	Z 18700812312	13/16	1 - 3/16	5/16
	Z 18700875312	7/8	1 - 1/4	5/16
	Z 18700937312	15/16	1 - 5/16	5/16
	Z 18701000312	1	1 - 3/8	5/16
	Z 18701062312	1 - 1/16	1 - 7/16	5/16
	Z 18701125312	1 - 1/8	1 - 1/2	5/16
	Z 18701187312	1 - 3/16	1 - 9/16	5/16
	Z 18701250312	1 - 1/4	1 - 5/8	5/16
	Z 18701312312	1 - 5/16	1 - 11/16	5/16
	Z 18701375312	1 - 3/8	1 - 3/4	5/16
	Z 18701437312	1 - 7/16	1 - 13/16	5/16
	Z 18701500375	1 - 1/2	1 - 7/8	3/8
	Z 18701625375	1 - 5/8	2	3/8
	Z 18701687375	1 - 11/16	2 - 1/16	3/8
	Z 18701750375	1 - 3/4	2 - 1/8	3/8
	Z 18701875375	1 - 7/8	2 - 1/4	3/8
	Z 18702000375	2	2 - 3/8	3/8
	Z 18702125375	2 - 1/8	2 - 1/2	3/8
	Z 18702250375	2 - 1/4	2 - 5/8	3/8
	Z 18702375375	2 - 3/8	2 - 3/4	3/8
	Z 18702500375	2 - 1/2	2 - 7/8	3/8
	Z 18702625375	2 - 5/8	3	3/8
	Z 18702750375	2 - 3/4	3 - 1/8	3/8
	Z 18702875375	2 - 7/8	3 - 1/4	3/8
	Z 18703000375	3	3 - 3/8	3/8
	Z 18703125375	3 - 1/8	3 - 1/2	3/8
	Z 18703250375	3 - 1/4	3 - 5/8	3/8
	Z 18703375375	3 - 3/8	3 - 3/4	3/8
	Z 18703500375	3 - 1/2	3 - 7/8	3/8

C/S	Part Number	Nominal		Height	
		I.D.	O.D.		
3/16"	Z 18703625375	3 - 5/8	4	3/8	
	Z 18703750375	3 - 3/4	4 - 1/8	3/8	
	Z 18703875375	3 - 7/8	4 - 1/4	3/8	
	Z 18704000375	4	4 - 3/8	3/8	
	Z 18704125375	4 - 1/8	4 - 1/2	3/8	
	Z 18704250375	4 - 1/4	4 - 5/8	3/8	
	Z 18704375375	4 - 3/8	4 - 3/4	3/8	
	Z 18704500375	4 - 1/2	4 - 7/8	3/8	
	1/4"	Z 25000250375	1/4	3/4	3/8
		Z 25000312375	5/16	13/16	3/8
Z 25000375375		3/8	7/8	3/8	
Z 25000437375		7/16	15/16	3/8	
Z 25000500375		1/2	1	3/8	
Z 25000562375		9/16	1 - 1/16	3/8	
Z 25000625375		5/8	1 - 1/8	3/8	
Z 25000687375		11/16	1 - 3/16	3/8	
Z 25000750375		3/4	1 - 1/4	3/8	
Z 25000812375		13/16	1 - 5/16	3/8	
Z 25000875375		7/8	1 - 3/8	3/8	
Z 25000937375		15/16	1 - 7/16	3/8	
Z 25001000375		1	1 - 1/2	3/8	
Z 25001062375		1 - 1/16	1 - 9/16	3/8	
Z 25001125375		1 - 1/8	1 - 5/8	3/8	
Z 25001187375		1 - 3/16	1 - 11/16	3/8	
Z 25001250375		1 - 1/4	1 - 3/4	3/8	
Z 25001312375		1 - 5/16	1 - 13/16	3/8	
Z 25001375375		1 - 3/8	1 - 7/8	3/8	
Z 25001437375		1 - 7/16	1 - 15/16	3/8	
Z 25001500375		1 - 1/2	2	3/8	
Z 25001625375		1 - 5/8	2 - 1/8	3/8	
Z 25001750375		1 - 3/4	2 - 1/4	3/8	
Z 25001875375		1 - 7/8	2 - 3/8	3/8	
Z 25002000375		2	2 - 1/2	3/8	
Z 25002125375		2 - 1/8	2 - 5/8	3/8	
Z 25002250375		2 - 1/4	2 - 3/4	3/8	
Z 25002375375		2 - 3/8	2 - 7/8	3/8	
Z 25002500375		2 - 1/2	3	3/8	
Z 25002625375		2 - 5/8	3 - 1/8	3/8	
Z 25002750375		2 - 3/4	3 - 1/4	3/8	
Z 25003250375		3 - 1/4	3 - 3/4	3/8	
Z 25003375375		3 - 3/8	3 - 7/8	3/8	
Z 25003500375		3 - 1/2	4	3/8	
Z 25003625375		3 - 5/8	4 - 1/8	3/8	

C/S	Part Number	Nominal		Height	
		I.D.	O.D.		
1/4"	Z 25003750375	3 - 3/4	4 - 1/4	3/8	
	Z 25004000562	4	4 - 1/2	9/16	
	Z 25004125562	4 - 1/8	4 - 5/8	9/16	
	Z 25004250562	4 - 1/4	4 - 3/4	9/16	
	Z 25004375562	4 - 3/8	4 - 7/8	9/16	
	Z 25004500562	4 - 1/2	5	9/16	
	Z 25004625562	4 - 5/8	5 - 1/8	9/16	
	Z 25004750562	4 - 3/4	5 - 1/4	9/16	
	Z 25004875562	4 - 7/8	5 - 3/8	9/16	
	Z 25005000562	5	5 - 1/2	9/16	
	Z 25005125562	5 - 1/8	5 - 5/8	9/16	
	Z 25005250562	5 - 1/4	5 - 3/4	9/16	
	Z 25005375562	5 - 3/8	5 - 7/8	9/16	
	Z 25005500562	5 - 1/2	6	9/16	
	Z 25005625562	5 - 5/8	6 - 1/8	9/16	
	Z 25005750562	5 - 3/4	6 - 1/4	9/16	
	Z 25005875562	5 - 7/8	6 - 3/8	9/16	
	Z 25006000562	6	6 - 1/2	9/16	
	Z 25006250562	6 - 1/4	6 - 3/4	9/16	
	Z 25006500562	6 - 1/2	7	9/16	
	Z 25006750562	6 - 3/4	7 - 1/4	9/16	
	Z 25007000562	7	7 - 1/2	9/16	
	Z 25007250562	7 - 1/4	7 - 3/4	9/16	
	Z 25007500562	7 - 1/2	8	9/16	
	Z 25007750562	7 - 3/4	8 - 1/4	9/16	
	Z 25008000562	8	8 - 1/2	9/16	
	Z 25008250562	8 - 1/4	8 - 3/4	9/16	
	Z 25008500562	8 - 1/2	9	9/16	
	Z 25008750562	8 - 3/4	9 - 1/4	9/16	
	Z 25009000562	9	9 - 1/2	9/16	
	Z 25009250562	9 - 1/4	9 - 3/4	9/16	
	Z 25009500562	9 - 1/2	10	9/16	
	Z 25009750562	9 - 3/4	10 - 1/4	9/16	
	Z 250010000562	10	10 - 1/2	9/16	
	5/16"	Z 31200375500	3/8	1	1/2
		Z 31200437500	7/16	1 - 1/16	1/2
Z 31200500500		1/2	1 - 1/8	1/2	
Z 31200562500		9/16	1 - 3/16	1/2	
Z 31200625500		5/8	1 - 1/4	1/2	
Z 31200687500		11/16	1 - 5/16	1/2	
Z 31200750500		3/4	1 - 3/8	1/2	
Z 31200812500		13/16	1 - 7/16	1/2	
Z 31200875500		7/8	1 - 1/2	1/2	



C/S	Part Number	Nominal		
		I.D.	O.D.	Height
5/16"	Z 31200937500	15/16	1 - 9/16	1/2
	Z 31201000500	1	1 - 5/8	1/2
	Z 31201062500	1 - 1/16	1 - 11/16	1/2
	Z 31201125500	1 - 1/8	1 - 3/4	1/2
	Z 31201187500	1 - 3/16	1 - 13/16	1/2
	Z 31201250500	1 - 1/4	1 - 7/8	1/2
	Z 31201312500	1 - 5/16	1 - 15/16	1/2
	Z 31201375500	1 - 3/8	2	1/2
	Z 31201437500	1 - 7/16	2 - 1/16	1/2
	Z 31201500500	1 - 1/2	2 - 1/8	1/2
	Z 31201625500	1 - 5/8	2 - 1/4	1/2
	Z 31201750500	1 - 3/4	2 - 3/8	1/2
	Z 31201875500	1 - 7/8	2 - 1/2	1/2
	Z 31202000500	2	2 - 5/8	1/2
	Z 31202125500	2 - 1/8	2 - 3/4	1/2
	Z 31202250500	2 - 1/4	2 - 7/8	1/2
	Z 31202375500	2 - 3/8	3	1/2
	Z 31202500500	2 - 1/2	3 - 1/8	1/2
	Z 31202625500	2 - 5/8	3 - 1/4	1/2
	Z 31202750500	2 - 3/4	3 - 3/8	1/2
	Z 31202875500	2 - 7/8	3 - 1/2	1/2
	Z 31203000500	3	3 - 5/8	1/2
	Z 31203125500	3 - 1/8	3 - 3/4	1/2
	Z 31203250500	3 - 1/4	3 - 7/8	1/2
	Z 31203375500	3 - 3/8	4	1/2
	Z 31203500500	3 - 1/2	4 - 1/8	1/2
	Z 31203625500	3 - 5/8	4 - 1/4	1/2
	Z 31203750500	3 - 3/4	4 - 3/8	1/2
	Z 31203875500	3 - 7/8	4 - 1/2	1/2
	Z 31204000562	4	4 - 5/8	9/16
	Z 31204125562	4 - 1/8	4 - 3/4	9/16
	Z 31204250562	4 - 1/4	4 - 7/8	9/16
	Z 31204375562	4 - 3/8	5	9/16
	Z 31204500625	4 - 1/2	5 - 1/8	5/8
	Z 31204625625	4 - 5/8	5 - 1/4	5/8
	Z 31204750625	4 - 3/4	5 - 3/8	5/8
	Z 31204875625	4 - 7/8	5 - 1/2	5/8
	Z 31205000625	5	5 - 5/8	5/8
	Z 31205125625	5 - 1/8	5 - 3/4	5/8
	Z 31205250625	5 - 1/4	5 - 7/8	5/8
	Z 31205375625	5 - 3/8	6	5/8
	Z 31205500625	5 - 1/2	6 - 1/8	5/8
	Z 31205625625	5 - 5/8	6 - 1/4	5/8

C/S	Part Number	Nominal		
		I.D.	O.D.	Height
5/16"	Z 31205750625	5 - 3/4	6 - 3/8	5/8
	Z 31205875625	5 - 7/8	6 - 1/2	5/8
	Z 31206000625	6	6 - 5/8	5/8
	Z 31206125625	6 - 1/8	6 - 3/4	5/8
	Z 31206250625	6 - 1/4	6 - 7/8	5/8
	Z 31206375625	6 - 3/8	7	5/8
	Z 31206500625	6 - 1/2	7 - 1/8	5/8
	Z 31206625625	6 - 5/8	7 - 1/4	5/8
	Z 31206750625	6 - 3/4	7 - 3/8	5/8
	Z 31206875625	6 - 7/8	7 - 1/2	5/8
	Z 31207000625	7	7 - 5/8	5/8
	Z 31207125625	7 - 1/8	7 - 3/4	5/8
	Z 31207250625	7 - 1/4	7 - 7/8	5/8
	Z 31207375625	7 - 3/8	8	5/8
3/8"	Z 37500500625	1/2	1 - 1/4	5/8
	Z 37500562625	9/16	1 - 5/16	5/8
	Z 37500625625	5/8	1 - 3/8	5/8
	Z 37500687625	11/16	1 - 7/16	5/8
	Z 37500750625	3/4	1 - 1/2	5/8
	Z 37500812625	13/16	1 - 9/16	5/8
	Z 37500875625	7/8	1 - 5/8	5/8
	Z 37500937625	15/16	1 - 11/16	5/8
	Z 37501000625	1	1 - 3/4	5/8
	Z 37501062625	1 - 1/16	1 - 13/16	5/8
	Z 37501125625	1 - 1/8	1 - 7/8	5/8
	Z 37501187625	1 - 3/16	1 - 15/16	5/8
	Z 37501250625	1 - 1/4	2	5/8
	Z 37501312625	1 - 5/16	2 - 1/16	5/8
	Z 37501375625	1 - 3/8	2 - 1/8	5/8
	Z 37501437625	1 - 7/16	2 - 3/16	5/8
	Z 37501500625	1 - 1/2	2 - 1/4	5/8
	Z 37501625625	1 - 5/8	2 - 3/8	5/8
	Z 37501750625	1 - 3/4	2 - 1/2	5/8
	Z 37501875625	1 - 7/8	2 - 5/8	5/8
	Z 37502000625	2	2 - 3/4	5/8
	Z 37502125625	2 - 1/8	2 - 7/8	5/8
	Z 37502250625	2 - 1/4	3	5/8
	Z 37502375625	2 - 3/8	3 - 1/8	5/8
	Z 37502500625	2 - 1/2	3 - 1/4	5/8
	Z 37502625625	2 - 5/8	3 - 3/8	5/8
	Z 37502750625	2 - 3/4	3 - 1/2	5/8
	Z 37502875625	2 - 7/8	3 - 5/8	5/8
	Z 37503000625	3	3 - 3/4	5/8



C/S	Part Number	Nominal		Height
		I.D.	O.D.	
3/8"	Z 37503125625	3 - 1/8	3 - 7/8	5/8
	Z 37503250625	3 - 1/4	4	5/8
	Z 37503375625	3 - 3/8	4 - 1/8	5/8
	Z 37503500625	3 - 1/2	4 - 1/4	5/8
	Z 37503625625	3 - 5/8	4 - 3/8	5/8
	Z 37503750625	3 - 3/4	4 - 1/2	5/8
	Z 37503875625	3 - 7/8	4 - 5/8	5/8
	Z 37504000625	4	4 - 3/4	5/8
	Z 37504125625	4 - 1/8	4 - 7/8	5/8
	Z 37504250625	4 - 1/4	5	5/8
	Z 37504375625	4 - 3/8	5 - 1/8	5/8
	Z 37504500625	4 - 1/2	5 - 1/4	5/8
	Z 37504625625	4 - 5/8	5 - 3/8	5/8
	Z 37504750625	4 - 3/4	5 - 1/2	5/8
	Z 37504875625	4 - 7/8	5 - 5/8	5/8
	Z 37505000625	5	5 - 3/4	5/8
	Z 37505125625	5 - 1/8	5 - 7/8	5/8
	Z 37505250625	5 - 1/4	6	5/8
	Z 37505375625	5 - 3/8	6 - 1/8	5/8
	Z 37505500625	5 - 1/2	6 - 1/4	5/8
	Z 37505625625	5 - 5/8	6 - 3/8	5/8
	Z 37505750625	5 - 3/4	6 - 1/2	5/8
	Z 37505875625	5 - 7/8	6 - 5/8	5/8
	Z 37506000625	6	6 - 3/4	5/8
	Z 37506250625	6 - 1/4	7	5/8
	Z 37506500625	6 - 1/2	7 - 1/4	5/8
	Z 37506750625	6 - 3/4	7 - 1/2	5/8
	Z 37507000625	7	7 - 3/4	5/8
	Z 37507250625	7 - 1/4	8	5/8
	Z 37507500625	7 - 1/2	8 - 1/4	5/8
	Z 37507750625	7 - 3/4	8 - 1/2	5/8
	Z 37508000625	8	8 - 3/4	5/8
	Z 37508250625	8 - 1/4	9	5/8
	Z 37508500625	8 - 1/2	9 - 1/4	5/8
	Z 37508750625	8 - 3/4	9 - 1/2	5/8
	Z 37509000625	9	9 - 3/4	5/8
	Z 37509250625	9 - 1/4	10	5/8
	Z 37509500625	9 - 1/2	10 - 1/4	5/8
	Z 37509750625	9 - 3/4	10 - 1/2	5/8
	Z 375010000625	10	10 - 3/4	5/8
	Z 375010250625	10 - 1/4	11	5/8
	Z 375010500625	10 - 1/2	11 - 1/4	5/8
	Z 375010750625	10 - 3/4	11 - 1/2	5/8

C/S	Part Number	Nominal		Height
		I.D.	O.D.	
3/8"	Z 375011000625	11	11 - 3/4	5/8
	Z 375011250625	11 - 1/4	12	5/8
	Z 375011500625	11 - 1/2	12 - 1/4	5/8
	Z 375011750625	11 - 3/4	12 - 1/2	5/8
	Z 375012000625	12	12 - 3/4	5/8
1/2"	Z 50001000750	1	2	3/4
	Z 50001250750	1 - 1/4	2 - 1/4	3/4
	Z 50001375750	1 - 3/8	2 - 3/8	3/4
	Z 50001500750	1 - 1/2	2 - 1/2	3/4
	Z 50001750750	1 - 3/4	2 - 3/4	3/4
	Z 50002000750	2	3	3/4
	Z 50002250750	2 - 1/4	3 - 1/4	3/4
	Z 50002375750	2 - 3/8	3 - 3/8	3/4
	Z 50002500750	2 - 1/2	3 - 1/2	3/4
	Z 50002750750	2 - 3/4	3 - 3/4	3/4
	Z 50003000750	3	4	3/4
	Z 50003250750	3 - 1/4	4 - 1/4	3/4
	Z 50003500750	3 - 1/2	4 - 1/2	3/4
	Z 50003750750	3 - 3/4	4 - 3/4	3/4
	Z 50004000750	4	5	3/4
	Z 50004250750	4 - 1/4	5 - 1/4	3/4
	Z 50004375750	4 - 3/8	5 - 3/8	3/4
	Z 50004500750	4 - 1/2	5 - 1/2	3/4
	Z 50004750750	4 - 3/4	5 - 3/4	3/4
	Z 50005000750	5	6	3/4
	Z 50005250750	5 - 1/4	6 - 1/4	3/4
	Z 50005375750	5 - 3/8	6 - 3/8	3/4
	Z 50005500750	5 - 1/2	6 - 1/2	3/4
	Z 50005750750	5 - 3/4	6 - 3/4	3/4
	Z 50006000750	6	7	3/4
	Z 50006250750	6 - 1/4	7 - 1/4	3/4
	Z 50006500750	6 - 1/2	7 - 1/2	3/4
	Z 50006750750	6 - 3/4	7 - 3/4	3/4
	Z 50007000750	7	8	3/4
	Z 50007250750	7 - 1/4	8 - 1/4	3/4
	Z 50007500750	7 - 1/2	8 - 1/2	3/4
	Z 50007750750	7 - 3/4	8 - 3/4	3/4
	Z 50008000750	8	9	3/4
	Z 50008250750	8 - 1/4	9 - 1/4	3/4
	Z 50008500750	8 - 1/2	9 - 1/2	3/4
	Z 50008750750	8 - 3/4	9 - 3/4	3/4
	Z 50009000750	9	10	3/4
	Z 50009250750	9 - 1/4	10 - 1/4	3/4

Z-Seals

IMPERIAL SEALS

Z-Seals

C/S	Part Number	Nominal			
		I.D.	O.D.	Height	
1/2"	Z 50009500750	9 - 1/2	10 - 1/2	3/4	
	Z 50009750750	9 - 3/4	10 - 3/4	3/4	
	Z 500010000750	10	11	3/4	
	Z 500010500750	10 - 1/2	11 - 1/2	3/4	
	Z 500011000750	11	12	3/4	
	Z 500011500750	11 - 1/2	12 - 1/2	3/4	
	Z 500012000750	12	13	3/4	
	Z 500012500750	12 - 1/2	13 - 1/2	3/4	
	Z 500013000750	13	14	3/4	
	Z 500013500750	13 - 1/2	14 - 1/2	3/4	
	Z 500014000750	14	15	3/4	
	Z 500014500750	14 - 1/2	15 - 1/2	3/4	
	Z 500015000750	15	16	3/4	
	5/8"	Z 62501250100	1 - 1/4	2 - 1/2	1
		Z 62501375100	1 - 3/8	2 - 5/8	1
		Z 62501500100	1 - 1/2	2 - 3/4	1
Z 62501750100		1 - 3/4	3	1	
Z 62502000100		2	3 - 1/4	1	
Z 62502250100		2 - 1/4	3 - 1/2	1	
Z 62502500100		2 - 1/2	3 - 3/4	1	
Z 62502750100		2 - 3/4	4	1	
Z 62503000100		3	4 - 1/4	1	
Z 62503250100		3 - 1/4	4 - 1/2	1	
Z 62503500100		3 - 1/2	4 - 3/4	1	
Z 62503750100		3 - 3/4	5	1	
Z 62504000100		4	5 - 1/4	1	
Z 62504250100		4 - 1/4	5 - 1/2	1	
Z 62504500100		4 - 1/2	5 - 3/4	1	
Z 62504750100		4 - 3/4	6	1	
Z 62505000100		5	6 - 1/4	1	
Z 62505250100		5 - 1/4	6 - 1/2	1	
Z 62505500100		5 - 1/2	6 - 3/4	1	
Z 62505750100		5 - 3/4	7	1	
Z 62506000100		6	7 - 1/4	1	
Z 62506250100		6 - 1/4	7 - 1/2	1	
Z 62506500100		6 - 1/2	7 - 3/4	1	
Z 62506750100		6 - 3/4	8	1	
Z 62507000100		7	8 - 1/4	1	
Z 62507250100		7 - 1/4	8 - 1/2	1	
Z 62507500100		7 - 1/2	8 - 3/4	1	
Z 62507750100		7 - 3/4	9	1	
Z 62508000100		8	9 - 1/4	1	
Z 62508250100		8 - 1/4	9 - 1/2	1	

C/S	Part Number	Nominal		
		I.D.	O.D.	Height
5/8"	Z 62508500100	8 - 1/2	9 - 3/4	1
	Z 62508750100	8 - 3/4	10	1
	Z 62509000100	9	10 - 1/4	1
	Z 62509250100	9 - 1/4	10 - 1/2	1
	Z 62509500100	9 - 1/2	10 - 3/4	1
	Z 62509750100	9 - 3/4	11	1
	Z 625010000100	10	11 - 1/4	1
	Z 625010250100	10 - 1/4	11 - 1/2	1
	Z 625010500100	10 - 1/2	11 - 3/4	1
	Z 625010750100	10 - 3/4	12	1
	Z 625011000100	11	12 - 1/4	1
	Z 625011250100	11 - 1/4	12 - 1/2	1
	Z 625011500100	11 - 1/2	12 - 3/4	1
	Z 625011750100	11 - 3/4	13	1
	Z 625012000100	12	13 - 1/4	1
	Z 625012250100	12 - 1/4	13 - 1/2	1
	Z 625012500100	12 - 1/2	13 - 3/4	1
	Z 625012750100	12 - 3/4	14	1
	Z 625013000100	13	14 - 1/4	1
	Z 625013250100	13 - 1/4	14 - 1/2	1
Z 625013500100	13 - 1/2	14 - 3/4	1	
Z 625013750100	13 - 3/4	15	1	
Z 625014000100	14	15 - 1/4	1	
Z 625014250100	14 - 1/4	15 - 1/2	1	
Z 625014500100	14 - 1/2	15 - 3/4	1	
Z 625014750100	14 - 3/4	16	1	
Z 625015000100	15	16 - 1/4	1	
Z 625015500100	15 - 1/2	16 - 3/4	1	
Z 625016000100	16	17 - 1/4	1	
Z 625016500100	16 - 1/2	17 - 3/4	1	
Z 625017000100	17	18 - 1/4	1	
Z 625017500100	17 - 1/2	18 - 3/4	1	
Z 625018000100	18	19 - 1/4	1	
3/4"	Z 75003000125	3	4 - 1/2	1 - 1/4
	Z 75003250125	3 - 1/4	4 - 3/4	1 - 1/4
	Z 75003500125	3 - 1/2	5	1 - 1/4
	Z 75003750125	3 - 3/4	5 - 1/4	1 - 1/4
	Z 75004000125	4	5 - 1/2	1 - 1/4
	Z 75004250125	4 - 1/4	5 - 3/4	1 - 1/4
	Z 75004500125	4 - 1/2	6	1 - 1/4
	Z 75004750125	4 - 3/4	6 - 1/4	1 - 1/4
Z 75005000125	5	6 - 1/2	1 - 1/4	
Z 75005250125	5 - 1/4	6 - 3/4	1 - 1/4	

C/S	Part Number	Nominal		
		I.D.	O.D.	Height
3/4"	Z 75005500125	5 - 1/2	7	1 - 1/4
	Z 75005750125	5 - 3/4	7 - 1/4	1 - 1/4
	Z 75006000125	6	7 - 1/2	1 - 1/4
	Z 75006250125	6 - 1/4	7 - 3/4	1 - 1/4
	Z 75006500125	6 - 1/2	8	1 - 1/4
	Z 75006750125	6 - 3/4	8 - 1/4	1 - 1/4
	Z 75007000125	7	8 - 1/2	1 - 1/4
	Z 75007250125	7 - 1/4	8 - 3/4	1 - 1/4
	Z 75007500125	7 - 1/2	9	1 - 1/4
	Z 75007750125	7 - 3/4	9 - 1/4	1 - 1/4
	Z 75008000125	8	9 - 1/2	1 - 1/4
	Z 75008250125	8 - 1/4	9 - 3/4	1 - 1/4
	Z 75008500125	8 - 1/2	10	1 - 1/4
	Z 75008750125	8 - 3/4	10 - 1/4	1 - 1/4
	Z 75009000125	9	10 - 1/2	1 - 1/4
	Z 75009250125	9 - 1/4	10 - 3/4	1 - 1/4
	Z 75009500125	9 - 1/2	11	1 - 1/4
	Z 75009750125	9 - 3/4	11 - 1/4	1 - 1/4
	Z 750010000125	10	11 - 1/2	1 - 1/4
	Z 750010500125	10 - 1/2	12	1 - 1/4
	Z 750011000125	11	12 - 1/2	1 - 1/4
	Z 750011500125	11 - 1/2	13	1 - 1/4
	Z 750012000125	12	13 - 1/2	1 - 1/4
	Z 750012500125	12 - 1/2	14	1 - 1/4
	Z 750013000125	13	14 - 1/2	1 - 1/4
	Z 750013500125	13 - 1/2	15	1 - 1/4
	Z 750014000125	14	15 - 1/2	1 - 1/4
	Z 750014500125	14 - 1/2	16	1 - 1/4
	Z 750015000125	15	16 - 1/2	1 - 1/4
	Z 750015500125	15 - 1/2	17	1 - 1/4
	Z 750016000125	16	17 - 1/2	1 - 1/4
	Z 750016500125	16 - 1/2	18	1 - 1/4
	Z 750017000125	17	18 - 1/2	1 - 1/4
	Z 750017500125	17 - 1/2	19	1 - 1/4
	Z 750018000125	18	19 - 1/2	1 - 1/4
	Z 750018500125	18 - 1/2	20	1 - 1/4
	Z 750019000125	19	20 - 1/2	1 - 1/4
	Z 750019500125	19 - 1/2	21	1 - 1/4
	Z 750020000125	20	21 - 1/2	1 - 1/4
1"	Z 10003000150	3	5	1 - 1/2
	Z 10003500150	3 - 1/2	5 - 1/2	1 - 1/2
	Z 10004000150	4	6	1 - 1/2
	Z 10004500150	4 - 1/2	6 - 1/2	1 - 1/2

C/S	Part Number	Nominal		
		I.D.	O.D.	Height
1"	Z 10005000150	5	7	1 - 1/2
	Z 10005500150	5 - 1/2	7 - 1/2	1 - 1/2
	Z 10006000150	6	8	1 - 1/2
	Z 10006500150	6 - 1/2	8 - 1/2	1 - 1/2
	Z 10007000150	7	9	1 - 1/2
	Z 10007500150	7 - 1/2	9 - 1/2	1 - 1/2
	Z 10008000150	8	10	1 - 1/2
	Z 10008500150	8 - 1/2	10 - 1/2	1 - 1/2
	Z 10009000150	9	11	1 - 1/2
	Z 10009500150	9 - 1/2	11 - 1/2	1 - 1/2
	Z 100010000150	10	12	1 - 1/2
	Z 100010500150	10 - 1/2	12 - 1/2	1 - 1/2
	Z 100011000150	11	13	1 - 1/2
	Z 100011500150	11 - 1/2	13 - 1/2	1 - 1/2
	Z 100012000150	12	14	1 - 1/2
	Z 100012500150	12 - 1/2	14 - 1/2	1 - 1/2
	Z 100013000150	13	15	1 - 1/2
	Z 100013500150	13 - 1/2	15 - 1/2	1 - 1/2
	Z 100014000150	14	16	1 - 1/2
	Z 100014500150	14 - 1/2	16 - 1/2	1 - 1/2
	Z 100015000150	15	17	1 - 1/2
	Z 100015500150	15 - 1/2	17 - 1/2	1 - 1/2
	Z 100016000150	16	18	1 - 1/2
	Z 100016500150	16 - 1/2	18 - 1/2	1 - 1/2
	Z 100017000150	17	19	1 - 1/2
	Z 100017500150	17 - 1/2	19 - 1/2	1 - 1/2
	Z 100018000150	18	20	1 - 1/2
	Z 100018500150	18 - 1/2	20 - 1/2	1 - 1/2
	Z 100019000150	19	21	1 - 1/2
	Z 100019500150	19 - 1/2	21 - 1/2	1 - 1/2
	Z 100020000150	20	22	1 - 1/2
	Z 100022000150	22	24	1 - 1/2
	Z 100024000150	24	26	1 - 1/2
	Z 100026000150	26	28	1 - 1/2
	Z 100028000150	28	30	1 - 1/2
	Z 100030000150	30	32	1 - 1/2
	Z 100032000150	32	34	1 - 1/2