



COMPLETE SEALING SOLUTION

ISO 9001 : 2008





Our technical advice is based on our many years of experience, latest technological knowledge & extensive testing. However, due to the vast variety of possible deviation in each application no guarantee is possible to be given or liability accepted for correctness, operability & durability. Subject to alterations

The stated operating conditions are general indications & these may be exceeded in certain cases. In the case of prolonged duty cycle, operation involving impact or other difficult conditions, it is not advisable to reach all these limits simultaneously. Kindly contact us for suitable proposal in such cases.

Contents :	Pages
Material Specification	2-4
Wipers	5-6
Rod Seals	7-8
Piston Seals-O-rings	9-10
Guide rings	11
Back-up-rings	12
O-rings	13-14
ASPL Sizes Reference List	15-26

OUT MOTTO-SUPERIOR CUSTOMER SERVICE

Unique Process: Our Computerised seal manufacturing technology is one of its kind in the world! We don't need moulds or minimum ordering quantities-be it standard or non standard requirement. You can order 1 piece or 100 and can pick them up the same day!! Accuracies achieved are in microns.

Range of Sizes : Almost all profiles-more than 100 preprogrammed on computer are manufactured at our plants in the range of 10 mm mm ID & 500 mm OD. We guarantee - imported raw materials !!

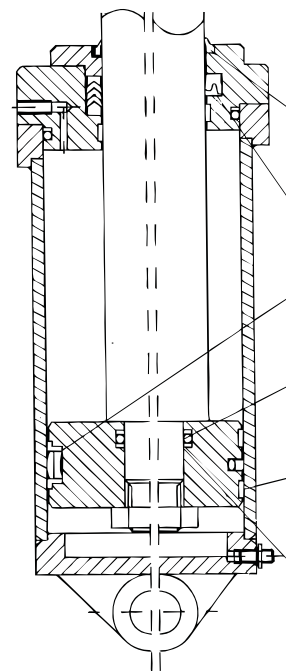
3 Days Despatch : AnkSeals is aware of your delivery requirement which is "NOW" Our INSTANT Seal manufacturing system enables us to manufacture and ship out to you in 3 days flat almost anywhere in India!!

JIT (Just in time) Inventory : Our guaranteed despatch within 3 days enables you to rely on us for Breakdown maintenance requirements. This means no large stocking & risking parts obsolescence & funds blockage.

100% Guaranteed Satisfaction : AnkSeals endeavors to be your most reliable source for seals quality wise & delivery wise. Extra efforts will be taken to win your "SEAL OF APPROVAL"

Technical Support : Our own technical capability & consultation are available to you "Free of Cost". Just Call or Fax and tell us your problems & you will receive your solution latest within 2 days.

Seals & Sealkits : Make your own Sealkit-We manufacture almost all cylinder seal components by turning including 'O' RINGS !!!



ASKR
F
ST

ONE PHONE CALL / FAX SERVICE

CALL US ON-(91)07104-234210, 325094

OR FAX US ON- (91) 07104-232378

OFF / WORKS - U- 149, MIDC HINGNA, NAGPUR - 440 016

E-mail : enquiry@ankseals.com

HOW TO ORDER

Please order in following format
Profile/ Housing Size/ Material

Example:

1. K1/100**x80**x10** Hpu.

2. S10-12/200(h)x230(h)x50(h) ERI_ETL

*All housing sizes shown in the profile diagram are required

** Please mention (h) for housing size and (s) in case of seal dimension.



IMPORTANT FACTS ABOUT SEAL MATERIALS

Material	Properties
Ank Polyurethane HPu	HPu is a hydrolysis resistant polyurethane elastomer. It offers excellent resistance to abrasion & hydrolysis which is otherwise rarely found in Polyurethane. It is stable in water upto 90°C (Hydrolysis is degradation in water) HPu is resistant to : Mineral oils & greases, Fire resistant HFA, HFB, Biologically degradable hydraulic fluid & water upto 90°C. HPu is not resistant to : Alkalis & acids
Ank Polyurethane HPu 57D	HPu 57D is a hydrolysis resistant PU. The hardness is adjusted at 57 2 shore D which makes it an excellent extrusion resistant material.
H-NBR Black HER1	HNBR is a hydrogenated acrylonitrile butadiene rubber. : HNBR is resistant to : Aliphatic hydrocarbons such as fuel, propane & butane, mineral oils & gases (resistant to short temperature loads of upto 170° C), vegetable & animal fat or oil, diluted acids, alkalis & salt solutions even at elevated temperatures, as well as glycol in water & silicone oils & greases if these contain anti corrosives, eg. radiator antifreeze. HNBR is not resistant to : Fuels with a high content of aromatic compounds (four star petrol, alcohol mixture), ketones, esters, ethers and chlorinated hydrocarbons such as trichloroethylene or tetrachloroethylene.
NBR Black ER1	NBR is an elastomer based on actylonitrile butadiene rubber which is used for U-cup seals, lip seals, chevron packings, special seals and various components. Due to its good resistance to the majority of mineral oil-based oils & greases, NBR is the material most frequently used in hydraulic & pneumatic systems. NBR is resistant to : Mineral oils & greases of HFA, HFB & HFC pressure fluids. Vegetable & animal oils & greases, fats, water & seawater upto approx 100°C. NBR is not resistant to : Glycol based brake fluids, HFD Fluids, aromatic & benezene chlorinate hydrocarbons, esters, ketones, amines, concentrated acids & bases.
Viton® Brown ER2	Viton® is an elastomer based on Fluorine rubber. (Viton= registered trademark of Du Pont) which is used for U-Cup seals, lip seals, chevron packings, wipers, various components and special seals. Its outstanding properties are its high resistance to heat, chemicals, weathering and ozone. Viton is highly resistant to all mineral oil-based & synthetic - based hydraulic fluids. Viton® is resistant to : Mineral & synthetic oils & greases containing sulphur, fire resistant fluids HFD (Phosphorous ethers & chlorinated hydrocarbons based) fuels, aliphatic, aromatic & chlorinated hydrocarbons, most inorganic acids in corresponding mixtures. Viton® is not resistant to : Annhydrous ammonia, caustic soda, caustic potash solutions, ketones, ethers, amines, low molecular organic acids, such as formic & acetic acids.



Material	Properties
Teflon PTFE Virgin White EF1	PTFE Virgin is polytetrafluoroethylene which is used for backup rings, chevron packings, O-rings, seals and gaskets. PTFE Virgin is a material with the widest technical range of applications. PTFE Virgin has lowest coefficient of friction. Static & dynamic friction are virtually identical. Depending on the load virgin PTFE has a tendency to creep or cold flow (at relatively low loads), For this reason pure PTFE is not used for sealing parts in hydraulic systems. PTFE Virgin is resistant to : Virtually all Chemicals. PTFE Virgin is not resistant to : Liquid alkali metals & gaseous fluorine compounds at high pressures & temperatures.
PTFE With fillers Grey EF2	Filed PTFE is polytetrafluoroethylene with glass fibre & MoS₂ fillers which is used for glide (Slide) rings, low friction seals, thrust collars and bearing rings for chevron packings and guide rings. As a result of the special fillers Teflon achieves high firmness values at low creep when compared to pure PTFE. These additives reduce thermal expansion, increase thermal conductivity, improve wear resistance & resistance to permanent deformation (cold flow). Since the material has no rubber-elastic properties, they are usually always used in conjunction with rubber - elastic materials or metal springs which provide the necessary contact pressure & preload
POM (Acetal) Black ETL	Acetal is a polyoxymethylene plastomer. It is used for making anti-extrusion rings, guide ring bushes, scrapers and other high precision rotating parts. One of the most important thermoplastics with very good mechanical properties, low water absorption and good chemical resistance. Acetal is resistant to : Any mineral oil grease HFA, HFB & HFC fluids. Acetal is not resistant to : Concentrated acids and alkaline solutions.
Polyamide PA Black EMD	Polyamide has good sliding properties which is used in guide rings and bearing components. This material is used instead of Acetal for components from 250 mm upwards. Ecomid absorbs upto 8% water. Polyamide is resistant to : Mineral oil & greases, HFA, HFB & HFC fluids. ◆ ◆ ◆ On request we will supply various materials for special applications. EXPLANATIONS OF ABBREVIATIONS HFA : Fire resistant fluids, oil in water HFB : Fire resistant fluids, water in oil HFC : Fire resistant fluids, water /glycol HFD : Fire resistant synthetic fluid.

Properties	DIN Standard	Unit	Ank Poly Urethane HPu	Ank Poly Urethane HPu 57D	NBR ER1	H-NBR HER1	Viton ER2	Acetal POM ETL	Poly amide EMD	PTFE Virgin EF1	PTFE W Filler EF2
Colour			Red	Red	Black	Black	Brown	Black	Black	White	Grey
Hardness	53505	Shore A	95±2		85±5	85±5	85±5				
Hardness	53505	Shore D	47±3	57±2				82	77	57	60
Bulk Density	53479	g/cm ³	1,20	1,13	1,32	1,22	2,50	1,40	1,15	2,17	2.25
Tensile Stress Value at 100% Elongation / 100% modulus	53504	N/mm ²	12.5	18	11	10	7				
Tensile Strength	53504	N/mm ²	44	30	15	18	10	62	65	27	18
Elongation at tear	53504	%	350	330	130	180	90	40	120	300	200
Compression Set	40 C/22h	%									
	70 C/70h	%	30	32							
	100 C/22h	%			12	22					
	175 C/22h	%					14				
Permanent set (rebound resilience)	52512	%	40	42	22	29	8				
Tear Strength	53515	N/mm	100	120	18	30	17	8			
Abrasion	53516	mm ³	64	65	110	90	180				
Lower Temp. Limit		C	-20	-20	-30	-25	-20	-50	-40	-200	-200
Upper Temp. Limit		°C	+110	+110	+100	+150	+200	+100	+100	+260	+260



WIPERS

- 1** POLYURETHANE **3** VITON **6** PTFE **8** ACETAL
2 NBR **4** HNBR **7** FILLED PTFE

Mati.	1. Pu.		2. NBR.		3. VITON		4. HNBR		6. Ptfе		7. Filled Ptfе		8. ACETAL	
Para-meter	P	S	P	S	P	S	P	S	P	S	P	S	P	S
A1	TEMPERATURE MIN. - 30 °C TO + 110 °C MAX.	4.00	TEMPERATURE MIN. - 30 °C TO + 100 °C MAX.	4.00	TEMPERATURE MIN. - 20 °C TO + 200 °C MAX.	4.00	TEMPERATURE MIN. - 25 °C TO + 150 °C MAX.	4.00	TEMPERATURE MIN. - 200 °C TO + 260 °C MAX.	10.00	10.00	15.00	1.00	1.00
A2		4.00		4.00		4.00		4.00						
A3		4.00		4.00		4.00		4.00						
A5		5.00		5.00		5.00		5.00						
A8		4.00		4.00		4.00		4.00						
A11		0.5		0.5		0.5		0.5						
A13														
A16		4.00		4.00		4.00		4.00						
A17														
A18														

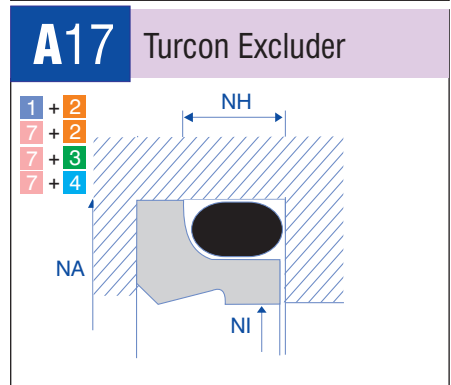
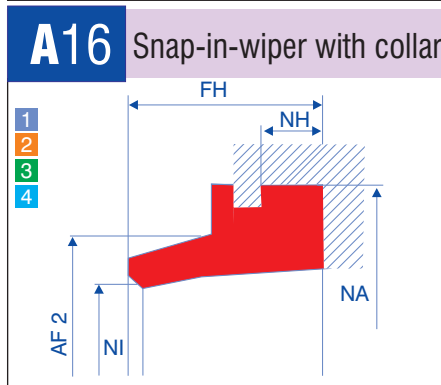
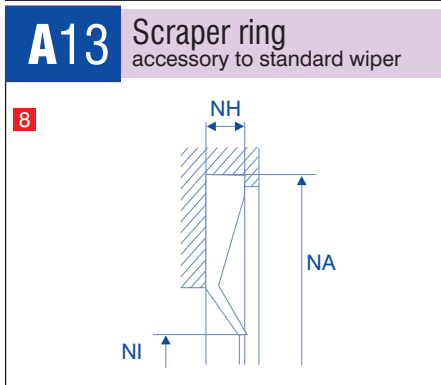
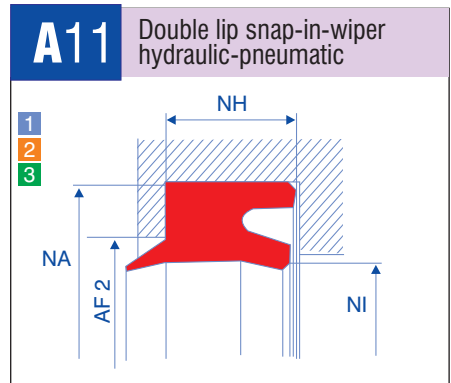
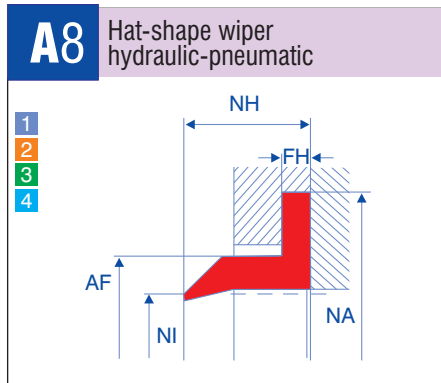
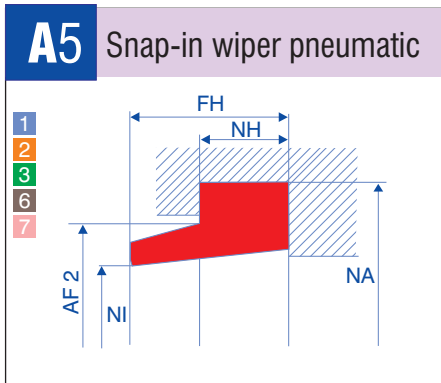
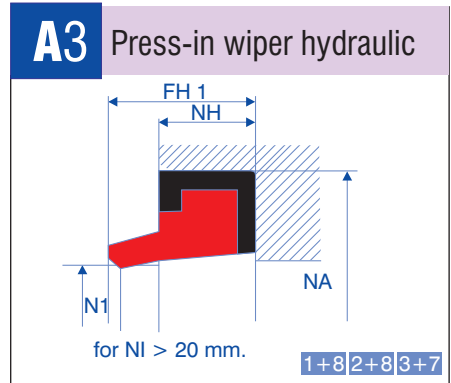
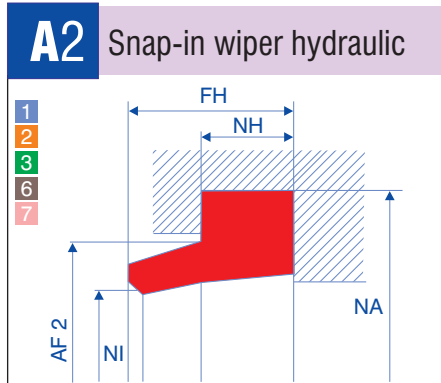
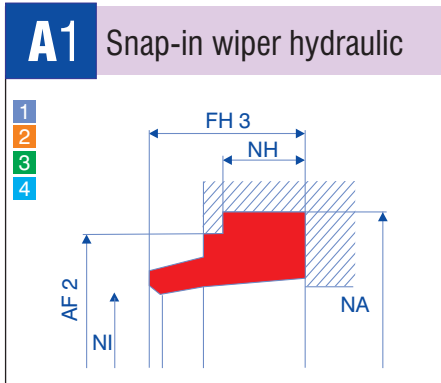
☐ The dimensions shown in the diagrams are required when placing an order.
 ● Units P= Pressure in bars ● S- Glide Speed in m/s.

☐ The stated operating conditions are general indications and these values may be exceeded in certain cases.



- 1** POLYURETHANE **3** VITON **6** PTFE **8** ACETAL
2 NBR **4** HNBR **7** FILLED PTFE

□ The dimensions shown in the diagrams are required when placing an order.



LEGEND

- NI = Nominal Inside Diameter
 NA = Nominal Outside Diameter
 NH = Nominal Height
 FH = Finished Height
 IF = Finished Inside Diameter
 AF = Finished Outside Diameter
 PH = Package Height
 STRH = Height
 STRI = Inside Diameter
 FA = Chamfer

■ Recommended materials

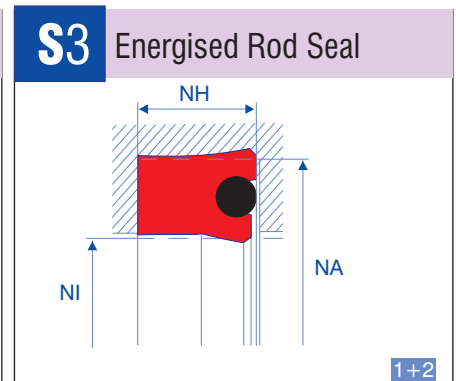
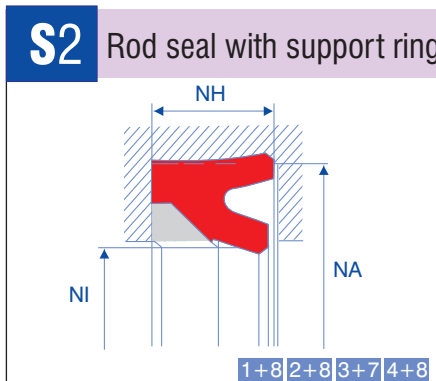
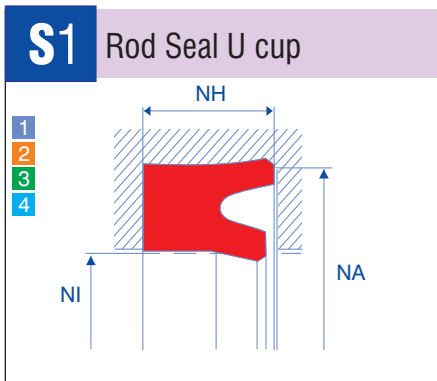


ROD SEALS

- 1** POLYURETHANE **3** VITON **6** PTFE **8** ACETAL
2 NBR **4** HNBR **7** FILLED PTFE

□ The dimensions shown in the diagrams are required when placing an order.
 ● Units P= Pressure in bars ● S- Glide Speed in m/s.

Mati.	1. Pu.		2. NBR.		3. VITON		4. HNBR		6. Ptfе		7. Filled Ptfе		8. ACETAL	
Para- meter	P	S	P	S	P	S	P	S	P	S	P	S	P	S
S1	400	0.5	160	0.5	160	0.5	160	0.5						
S2	500	0.5	250	0.5	250	0.5	250	0.5						
S3	400	0.5							160		1.00	250	1.00	
S4	500	0.5												
S5	25	1.00	16	1.00	16	1.00	16	1.00						
S6	400	0.5	160	0.5	160	0.5	160	0.5						
S9	300	0.5							160		4.00	400	4.00	
S10-12	500	0.5	250	0.5	250	0.5	250	0.5	250		1.00	400	1.00	
S16	160	0.5	63	0.5	63	0.5	63	0.5						
S17	400	0.5	160	0.5	160	0.5								
S19									160		10.0	300	10.0	
S20	400	0.5	300	0.5	160	0.5								
S32	400	0.5	160	0.5	160	0.5	160	0.5						



■ Recommended materials



- 1 POLYURETHANE 3 VITON 6 PTFE 8 ACETAL
 2 NBR 4 HNBR 7 FILLED PTFE

☐ The dimensions shown in the diagrams are required when placing an order.

S4 Energised rod seal with support ring 	S5 Rod seal pneumatic 	S6 Piston/Rod U cup Seal
S9 Composite rod seal 	S10-12 Chevron packing 90° 	S16 Hat seal
S17 Twin lip rod seal 	S19 PTFE spring loaded rod seal 	S20 T-seal (o-ring substitute)
S32 U Cup with PTFE ring 	LEGEND NI = Nominal Inside Diameter NA = Nominal Outside Diameter NH = Nominal Height FH = Finished Height IF = Finished Inside Diameter AF = Finished Outside Diameter PH = Package Height STRH = Height STRI = Inside Diameter FA = Chamfer	

■ Recommended materials



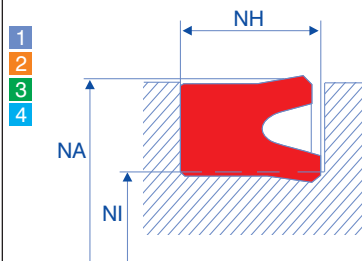
PISTON SEALS

- 1** POLYURETHANE **3** VITON **6** PTFE **8** ACETAL
2 NBR **4** HNBR **7** FILLED PTFE

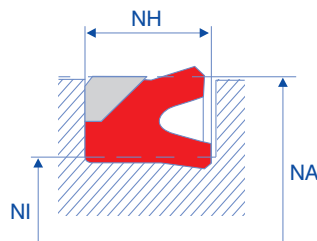
□ The dimensions shown in the diagrams are required when placing an order.
 ● Units P= Pressure in bars ● S= Glide Speed in m/s.

Mati.	1. Pu.			2. NBR.			3. VITON			4. HNBR			6. Ptfе			7. Filled Ptfе			8. ACETAL		
Para-meter	P		S	P		S	P		S	P		S	P		S	P		S	P		S
K1	400	TEMPERATURE MIN. - 30 °C TO + 110 °C MAX.	0.5	160	TEMPERATURE MIN. - 30 °C TO + 100 °C MAX.	0.5	160	TEMPERATURE MIN. - 20 °C TO + 200 °C MAX.	0.5	160	TEMPERATURE MIN. - 25 °C TO + 150 °C MAX.	0.5	TEMPERATURE MIN. - 200 °C TO + 260 °C MAX.			TEMPERATURE MIN. - 200 °C TO + 260 °C MAX.			TEMPERATURE MIN. - 50 °C TO + 110 °C MAX.		
K2	500		0.5	250		0.5	250		0.5	250		0.5									
K3	400		0.5											1.00	250					1.00	
K4	500		0.5																		
K5	25		1.00	16		1.00	16		1.00	16		1.00									
K6	400		0.5	160		0.5	160		0.5	160		0.5									
K8	300		0.5											4.00	400					4.00	
K9	500		0.5																		
K10-K12	500		0.5	250		0.5	250		0.5	250		0.5		1.00	400					1.00	
K16	160		0.5	63		0.5	63		0.5	63		0.5									
K17	500		0.5	250		0.5	250		0.5	250		0.5									
K20	400		300	300		0.5	160		0.5	160		0.5									
K23	500		0.5												400					1.00	
K25	500		0.5												400					1.00	
K26	500		0.5												400					1.00	

K1 Piston Seal U cup

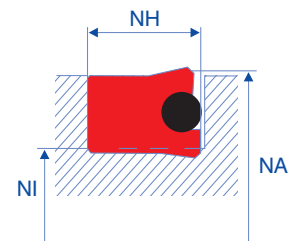


K2 Piston seal with support ring



1+8 | 2+8 | 3+8 | 4+8 | 3+7

K3 Energised piston seal



1+2

■ Recommended materials



- 1 POLYURETHANE 3 VITON 6 PTFE 8 ACETAL
 2 NBR 4 HNBR 7 FILLED PTFE

□ The dimensions shown in the diagrams are required when placing an order.

K4 Energised piston seal with support ring 	K5 Piston seal pneumatic 	K6 Piston/Rod U-cup seal
K8 Composite piston seal 	K9 Double acting compact piston seal 	K10-12 Piston chevron packing 90°
K16 Hat seal 	K17 Double-acting compact seal 	K20 T-seal (O-ring substitute)
K23 Double acting compact Piston Seal 	K25 Heavy Duty Piston Seal 	K26 Heavy Duty Piston Seal

■ Recommended materials



GUIDE RINGS

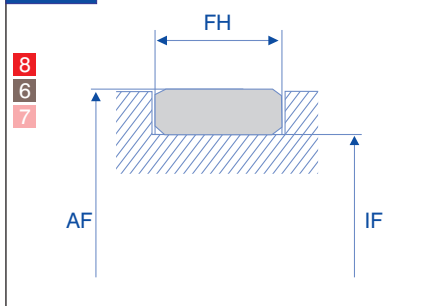
- 1** POLYURETHANE **3** VITON **6** PTFE **8** ACETAL
2 NBR **4** HNBR **7** FILLED PTFE

□ The dimensions shown in the diagrams are required when placing an order.

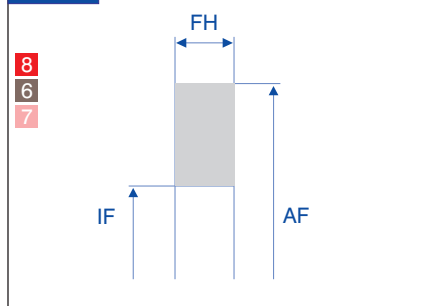
Guide rings F1 to F8 Admissible specific load

	Bearing max load (N/mm ²)	Speed m/s	Max. Temp. °C
Acetal	25	4	110
Ptfe	2	4	200
Filled Ptfe	7.5	4	200

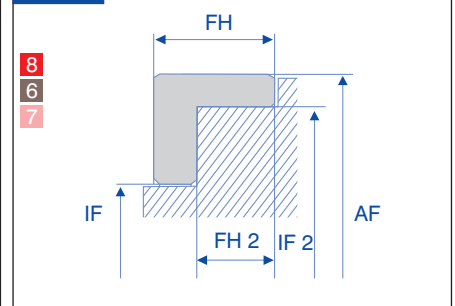
F1 Guide ring (rod or piston)



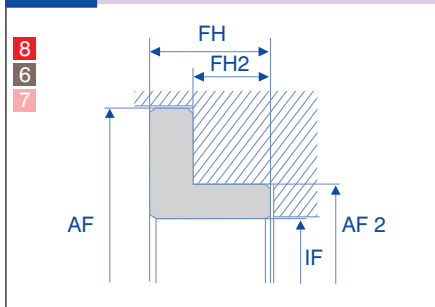
F2 Guide ring



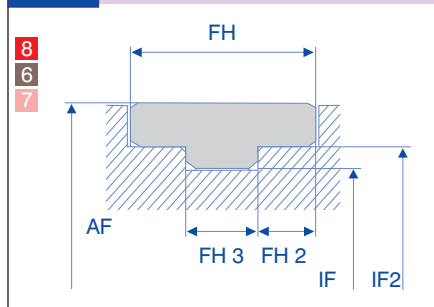
F3 L-shaped guide ring piston



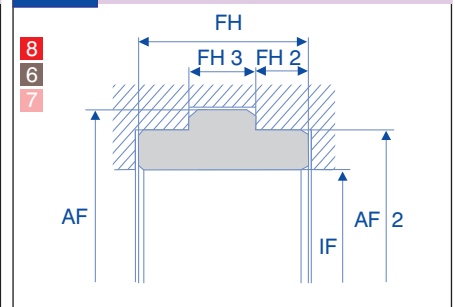
F4 L-shaped rod guide ring



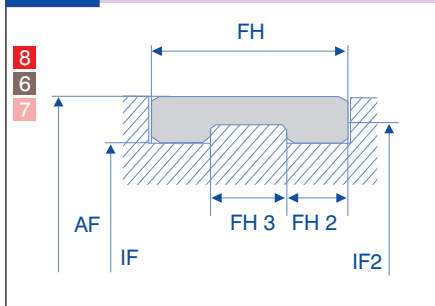
F5 Piston guide ring



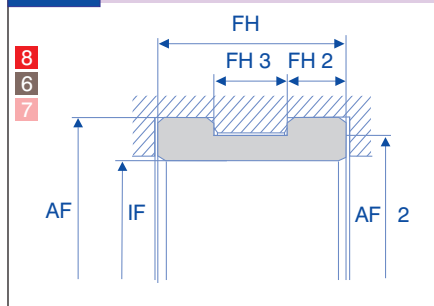
F6 Rod guide ring



F7 Piston guide ring



F8 Rod guide ring



LEGEND

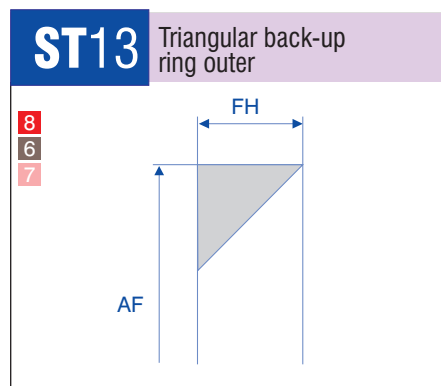
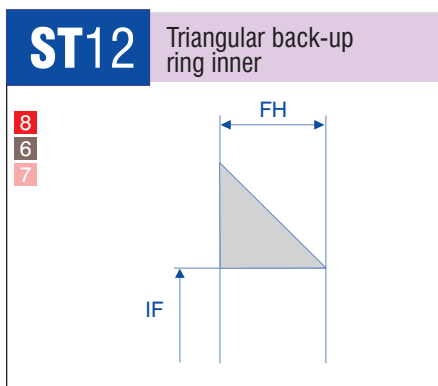
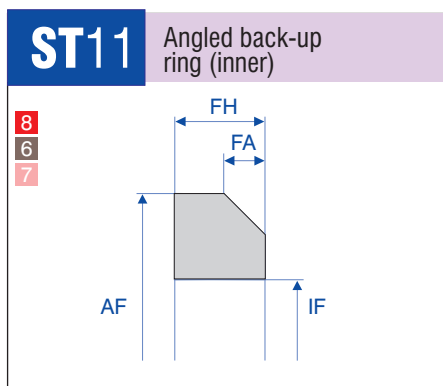
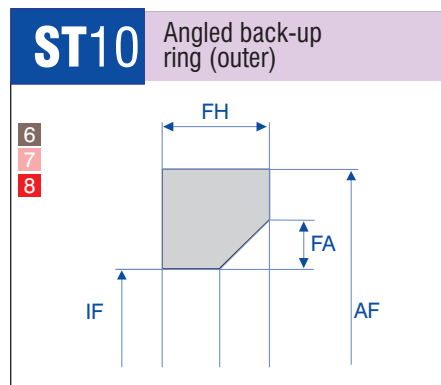
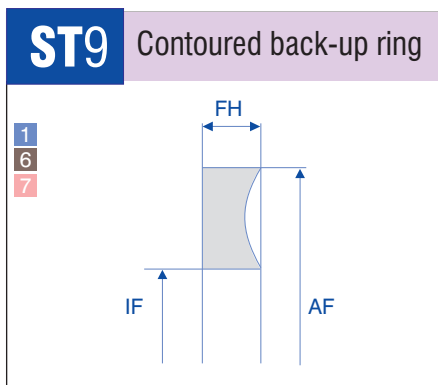
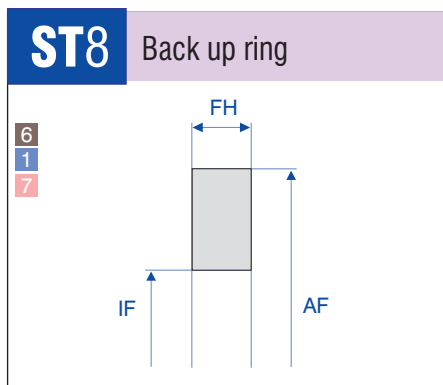
NI	=	Nominal Inside Diameter
NA	=	Nominal Outside Diameter
NH	=	Nominal Height
FH	=	Finished Height
IF	=	Finished Inside Diameter
AF	=	Finished Outside Diameter
PH	=	Package Height
STRH	=	Height
STRI	=	Inside Diameter
FA	=	Chamfer



BACKUP RINGS

- 1** POLYURETHANE **3** VITON **6** PTFE **8** ACETAL
2 NBR **4** HNBR **7** FILLED PTFE

□ The dimensions shown in the diagrams are required when placing an order.



■ Recommended materials



O-RINGS

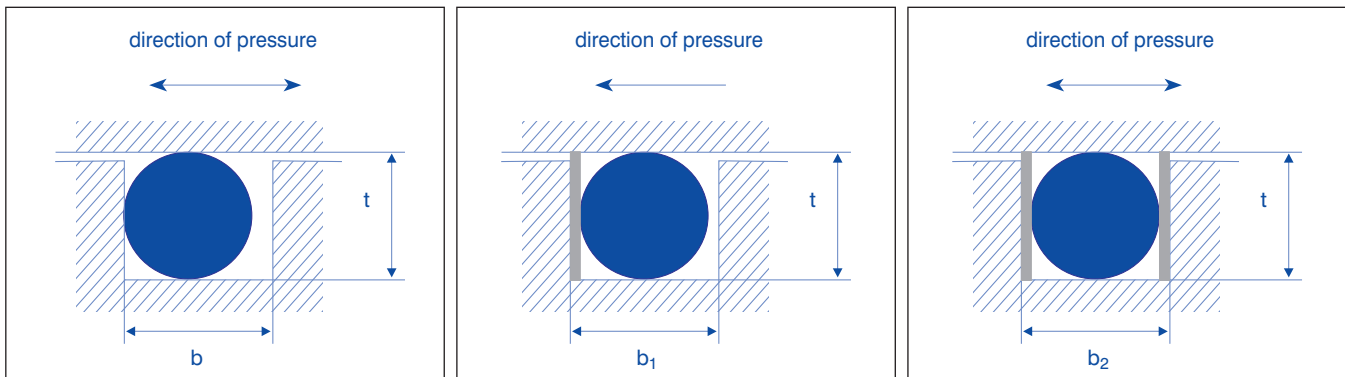
- 1** POLYURETHANE **3** VITON **6** PTFE **8** ACETAL
2 NBR **4** HNBR **7** FILLED PTFE

☐ The dimensions shown in the diagrams are required when placing an order.

Dimensions of the Installation space for O-rings

Cross Section C (mm)	Groover Depth t(mm) $t \pm 0,05$	Without back-up ring (mm) $b + 0,25$	One back-up ring (mm) $b_1 + 0,25$	Two back-up ring (mm) $b_2 + 0,25$	Recommended back-up ring Width (mm)
1,50 1,78 2,00	1,10 1,35 1,56	2,1 2,5 2,7	3,1 3,5 4,2	4,1 4,5 5,7	1,0 1,0 1,5
2,50 2,62 3,00	2,05 2,18 2,52	3,3 3,5 3,9	4,8 5,0 5,4	6,3 6,5 6,9	1,5 1,5 1,5
3,50 3,53 4,00	3,00 3,00 3,40	4,4 4,4 5,0	5,9 5,9 6,7	7,4 7,4 8,4	1,5 1,5 1,7
5,00 5,33 5,70	4,25 4,53 4,85	6,3 6,7 7,1	8,0 8,4 9,1	9,7 10,1 11,1	1,7 1,7 2,0
6,00 6,99 7,00	5,10 5,94 5,95	7,5 8,8 8,8	9,5 10,8 10,8	11,5 12,8 12,8	2,0 2,0 2,0
8,00 10,00	6,80 8,50	10,0 12,5	12,5 15,0	15,0 17,5	2,5 2,5

☐ The stated operating conditions are general indications & these values may be exceeded in Certain cases





O-RING KIT

This convenient O-Ring kit contains over 75 of the most popular sizes . It is ready to use and will give you easy access and storage to whatever size you need. The storage posts are clearly labeled to provide instant size identification.

Ank O Ring Kit - Imperial

ANK OK-10 I Box - I

ID	C/S	Qty.	ID	C/S	Qty.	ID	C/S	Qty.	ID	C/S	QTY.
1.78	1.78	30	15.6	1.78	20	13.94	2.62	30	26.64	2.62	10
2.9	1.78	30	18.77	1.78	20	15.54	2.62	30	28.24	2.62	10
3.69	1.78	30	21.95	1.78	20	17.12	2.62	30	31.42	2.62	10
4.47	1.78	30	25.12	1.78	20	17.36	2.62	20	15.47	3.53	10
6.07	1.78	30	28.3	1.78	20	18.72	2.62	20	17.04	3.53	5
6.75	1.78	30	31.47	1.78	20	20.3	2.62	20	18.64	3.53	5
7.65	1.78	30	9.19	2.62	30	21.89	2.62	20	20.22	3.53	5
10.82	1.78	30	10.77	2.62	30	23.47	2.62	10	21.82	3.53	5
12.42	1.78	30	12.37	2.62	30	25.07	2.62	10			

ANK OK-20 I Box - II

ID	C/S	Qty.	ID	C/S	Qty.	ID	C/S	Qty.	ID	C/S	QTY.
34.65	1.78	10	44.12	2.62	10	25.8	3.53	10	31.34	3.53	10
34.59	2.62	10	47.29	2.62	10	26.57	3.53	10	32.92	3.53	10
37.77	2.62	10	23.4	3.53	10	28.17	3.53	10	34.52	3.53	10
40.94	2.62	10	23.99	3.53	10	29.74	3.53	10			

ANK OK-30 I Box - III

ID	C/S	Qty.	ID	C/S	Qty.	ID	C/S	Qty.	ID	C/S	QTY.
36.09	3.53	5	42.86	3.53	5	47.63	3.53	5	40.65	5.33	5
37.69	3.53	5	44.04	3.53	5	49.21	3.53	5	43.82	5.33	5
40.87	3.53	5	44.45	3.53	5	50.39	3.53	5	46.99	5.33	5
41.28	3.53	5	47.22	3.53	5	37.47	5.33	5			

ANK OK-40 I Box - IV

ID	C/S	Qty.	ID	C/S	Qty.	ID	C/S	Qty.
50.47	2.62	10	60	2.62	10	66.35	2.62	10
53.65	2.62	10	63.17	2.62	10	69.52	2.62	10

ANK OK-50 I Box - V

ID	C/S	Qty.	ID	C/S	Qty.	ID	C/S	Qty.
50.8	3.53	10	53.57	3.53	10	53.34	3.53	10
52.39	3.53	10	56.74	3.53	10	59.92	3.53	10

ANK OK-80 I Box - VIII

ID	C/S	Qty.
O ring cord	1.78	3 mtrs.
O ring cord	2.62	3 mtrs.
O ring cord	3.53	3 mtrs.
O ring cord	5.34	3 mtrs.
Loctite		01 no.
Cutter		01 no.

ANK OK-60 I Box - VI

ID	C/S	Qty.	ID	C/S	Qty.	ID	C/S	Qty.
50.16	5.33	5	62.87	5.33	5	72.39	5.33	5
56.52	5.33	5	69.22	5.33	5	78.74	5.33	5

ANK OK-70 I Box - VII

ID	C/S	Qty.	ID	C/S	Qty.	ID	C/S	Qty.
72.69	2.62	10	66.27	3.53	10	63.09	3.53	10
75.87	2.62	10	69.44	3.53	10	72.62	3.53	10

Ank O Ring Kit - Metric

ANK OK-10M Box - I

ID	C/S	Qty.	ID	C/S	Qty.
4	2	30	16	2	20
5	2	30	18	2	20
6	2	30	20	2	20
7	2	30	22	2	20
8	2	30	24	2	20
9	2	30	25	2	20
10	2	30	26	2	20
12	2	20	28	2	20
14	2	20	30	2	20

ANK OK-20M Box - II

ID	C/S	Qty.	ID	C/S	Qty.
18	3	10	25	3	10
20	3	10	26	3	10
22	3	10	28	3	10
24	3	10	30	3	10

ANK OK-30M Box - III

ID	C/S	Qty.	ID	C/S	Qty.
32	4	10	82	4	10
42	4	10	92	4	10
52	4	10	112	4	10
62	4	10			

ANK OK-40M Box - IV

ID	C/S	Qty.	ID	C/S	Qty.	ID	C/S	Qty.
50	5	10	70	5	10	90	5	10
60	5	10	80	5	10	100	5	10

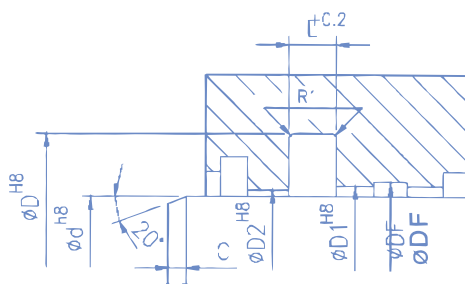
ANK OK-50M Box - V

ID	C/S	Qty.
O ring cord	2	3 mtrs.
O ring cord	3	3 mtrs.
O ring cord	4	3 mtrs.
O ring cord	5	3 mtrs.
Loctite		01 no.
Cutter		01 no.

Other than our standard range of Imperial and Metric O-ring kits custom made O-ring kits can also be supplied as per your requirement in NBR or Viton.



S9



d	D	L	D2	D2	C	R1	ASPL Size Ref. No.	d	D	L	D2 (<200 bar)	D2 (<400 bar)	C	R1	ASPL Size Ref. No.
10	14.9	2.2	10.4		2.0	0.3	1910001	50	65.1	6.3	50.5	50.4	5.5	1.2	1910036
10	17.3	3.2	10.5		2.5	0.5	1910002	55	65.7	4.2	55.5		3.5	0.8	1910037
12	16.9	2.2	12.4		2.0	0.3	1910003	55	70.1	6.3	55.5	55.4	5.5	1.2	1910038
12	19.3	3.2	12.5		3.0	0.5	1910004	56	66.7	4.2	56.5		3.5	0.8	1910039
14	18.9	2.2	14.4		2.0	0.3	1910005	56	71.1	6.3	56.5	56.4	5.5	1.2	1910040
14	21.3	3.2	14.5		3.0	0.5	1910006	60	70.7	4.2	60.5		3.5	0.8	1910041
15	19.9	2.2	15.4		2.0	0.3	1910007	60	75.1	6.3	60.5	60.4	5.5	1.2	1910042
15	22.3	3.2	15.5		3.0	0.5	1910008	63	78.1	6.3	63.5	63.4	5.5	1.2	1910043
16	20.9	2.2	16.4		2.0	0.3	1910009	65	80.1	6.3	65.5	65.4	5.5	1.2	1910044
16	23.3	3.2	16.5		3.0	0.5	1910010	70	85.1	6.3	70.5	70.4	5.5	1.2	1910045
18	22.9	2.2	18.4		2.0	0.3	1910011	75	90.1	6.3	75.5	75.4	5.5	1.2	1910046
18	25.3	3.2	18.5		3.0	0.5	1910012	80	90.7	4.2	80.5		3.5	0.8	1910047
20	27.3	3.2	20.5		3.0	0.5	1910013	80	95.1	6.3	80.5	80.4	5.5	1.2	1910048
20	30.7	4.2	20.5	20.4	3.5	0.8	1910014	85	100.1	6.3	85.5	85.4	6.0	1.2	1910049
22	29.3	3.2	22.5		3.0	0.5	1910015	90	105.1	6.3	90.5	90.4	6.0	1.2	1910050
22	32.7	4.2	22.5	22.4	3.5	0.8	1910016	95	110.1	6.3	95.5	95.4	6.0	1.2	1910051
25	32.3	3.2	25.5		3.0	0.5	1910017	100	115.1	6.3	100.5	100.4	6.0	1.2	1910052
25	35.7	4.2	25.5	25.4	3.5	0.8	1910018	105	120.1	6.3	105.5	105.4	6.0	1.2	1910053
28	35.3	3.2	28.5		3.0	0.5	1910019	110	125.1	6.3	110.5	110.4	6.0	1.2	1910054
28	38.7	4.2	28.5	28.4	3.5	0.8	1910020	115	130.1	6.3	115.5	115.4	6.0	1.2	1910055
30	37.3	3.2	30.5		3.0	0.5	1910021	120	135.1	6.3	120.5	120.4	6.0	1.2	1910056
30	40.7	4.2	30.5	30.4	3.5	0.8	1910022	125	140.1	6.3	125.5	125.4	6.0	1.2	1910057
32	39.3	3.2	32.5		3.0	0.5	1910023	130	145.1	6.3	130.5	130.4	6.0	1.2	1910058
32	42.7	4.2	32.5	32.4	3.5	0.8	1910024	140	155.1	6.3	140.5	140.4	6.0	1.2	1910059
35	42.3	3.2	35.5		3.0	0.5	19100.25	150	165.1	6.3	150.5	150.4	6.0	1.2	1910060
35	45.7	4.2	35.5	35.4	3.5	0.8	1910026	160	175.1	6.3	160.5	160.4	6.0	1.2	1910061
36	43.3	3.2	36.5		3.0	0.5	1910027	160	180.5	8.1	160.6	160.5	7.5	2.0	1910062
36	46.7	4.2	36.5	36.4	3.5	0.8	1910028	170	185.1	6.3	170.5	170.4	6.0	1.2	1910063
40	50.7	4.2	40.5		3.5	0.8	1910029	180	195.1	6.3	180.5	180.4	6.0	1.2	1910064
40	55.1	6.3	40.5	40.4	5.5	1.2	1910030	190	205.5	6.3	190.5	190.4	6.0	1.2	1910065
42	52.7	4.2	42.5		3.5	0.8	1910031	200	220.5	8.1	200.6	200.5	7.5	2.0	1910066
42	57.1	6.3	42.5	42.4	5.5	1.2	1910032	210	230.5	8.1	210.6	210.5	7.5	2.0	1910067
45	55.7	4.2	45.5		3.5	0.8	1910033	220	240.5	8.1	220.6	220.5	7.5	2.0	1910068
45	60.1	6.3	45.5	45.4	5.5	1.2	1910034	225	245.5	8.1	225.6	225.5	7.5	2.0	1910069
50	60.7	4.2	50.5		3.5	0.8	1910035	230	250.5	8.1	230.6	230.5	7.5	2.0	1910070

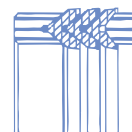
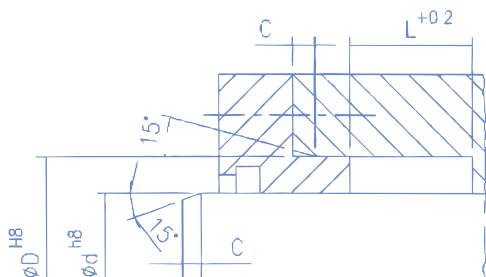
Note : PLEASE MENTION PROFILE CODE & MATERIAL CODE FROM "ASPL HYDRAULIC & PNEUMATIC SEALS"

CATALOGUE TOGETHER WITH "ASPL SIZE REF. NO." TO COMPLETE ORDERING INFORMATION.

e.g. S9EF2ER11910022 INDICATES PROFILE S9, MATERIAL FILLED PTFE & NBR AND HOUSING SIZE 30(d) x 40.7 (D) x 4.2 (L) mm.



S10-12



ISO	d	D	L	C	ASPL Size Ref. No.	ISO	d	D	L	C	ASPL Size Ref. No.
ISO	20	28	14.5	3.0	1930001		65	80	22.5	5.0	1930054
	20	30	13.5	3.0	1930002		70	85	16.5	5.0	1930055
ISO	20	30	16.0	3.0	1930003		70	85	22.5	5.0	1930056
	20	30	18.5	3.0	1930004	ISO	70	85	25.0	5.0	1930057
ISO	22	30	14.5	3.0	1930005	ISO	70	90	32.0	5.0	1930058
	22	32	13.5	3.0	1930006		75	90	16.5	5.0	1930059
ISO	22	32	16.0	3.0	1930007		75	90	22.5	5.0	1930060
	22	32	18.5	3.0	1930008		80	95	16.5	5.0	1930061
ISO	25	33	14.5	3.0	1930009	ISO	80	95	22.5	5.0	1930062
ISO	25	35	16.0	3.0	1930010		80	95	25.0	5.0	1930063
	25	37	16.5	3.0	1930011		80	100	32.0	5.0	1930064
	25	37	22.5	3.0	1930012	ISO	85	100	16.5	5.0	1930065
ISO	28	38	16.0	3.0	1930013		85	100	22.5	5.0	1930066
	28	40	16.5	3.0	1930014	ISO	90	110	30.0	5.0	1930067
	28	40	22.5	3.0	1930015		90	110	32.0	5.0	1930068
ISO	28	43	25.0	5.0	1930016	ISO	90	110	40.0	5.0	1930069
	30	42	16.5	3.0	1930017		100	120	30.0	5.0	1930070
	30	42	22.5	3.0	1930018	ISO	100	120	32.0	5.0	1930071
ISO	32	42	16.0	3.0	1930019		100	120	40.0	5.0	1930072
	32	44	16.5	3.0	1930020	ISO	100	125	40.0	7.5	1930073
	32	44	22.5	3.0	1930021		110	130	30.0	5.0	1930074
ISO	32	47	25.0	5.0	1930022	ISO	110	130	32.0	5.0	1930075
	35	47	16.5	3.0	1930023		110	130	40.0	5.0	1930076
	35	47	22.5	3.0	1930024	ISO	110	135	40.0	7.5	1930077
ISO	36	46	16.0	3.0	1930025		115	140	34.0	7.5	1930078
	36	48	16.5	3.0	1930026		115	140	46.0	7.5	1930079
	36	48	22.5	3.0	1930027	ISO	125	145	32.0	5.0	1930080
ISO	36	51	25.0	5.0	1930028		125	150	34.0	7.5	1930081
ISO	40	50	16.0	3.0	1930029	ISO	125	150	40.0	7.5	1930082
	40	52	16.5	3.0	1930030		125	150	46.0	7.5	1930083
	40	52	22.5	3.0	1930031	ISO	140	160	32.0	5.0	1930084
ISO	40	55	25.0	5.0	1930032		140	165	34.0	7.5	1930085
ISO	45	55	16.0	3.0	1930033	ISO	140	165	40.0	7.5	1930086
	45	60	16.5	5.0	1930034		140	165	46.0	7.5	1930087
	45	60	22.5	5.0	1930035		150	180	45.0	7.5	1930088
ISO	45	60	25.0	5.0	1930036		150	180	60.0	7.5	1930089
ISO	50	60	16.0	3.0	1930037	ISO	160	185	40.0	7.5	1930090
	50	65	16.5	5.0	1930038		160	190	45.0	7.5	1930091
	50	65	22.5	5.0	1930039	ISO	160	190	50.0	7.5	1930092
ISO	50	65	25.0	5.0	1930040		160	190	60.0	7.5	1930093
	55	70	16.5	5.0	1930041	ISO	180	205	40.0	7.5	1930094
	55	70	22.5	5.0	1930042		180	210	45.0	7.5	1930095
	56	71	16.5	5.0	1930043	ISO	180	210	50.0	7.5	1930096
	56	71	22.5	5.0	1930044		180	210	60.0	7.5	1930097
ISO	56	71	25.0	5.0	1930045	ISO	200	225	40.0	7.5	1930098
ISO	56	76	32.0	5.0	1930046		200	230	45.0	7.5	1930099
	60	75	16.5	5.0	1930047	ISO	200	230	50.0	7.5	19300100
	60	75	22.5	5.0	1930048		200	230	50.5	7.5	19300101
	63	78	16.5	5.0	1930049		200	230	60.0	7.5	19300102
	63	78	22.5	5.0	1930050	ISO	220	250	50.0	7.5	19300103
ISO	63	78	25.0	5.0	1930051		220	250	50.5	7.5	19300104
ISO	63	83	32.0	5.0	1930052		220	250	60.0	7.5	19300105
	65	80	16.5	5.0	1930053						

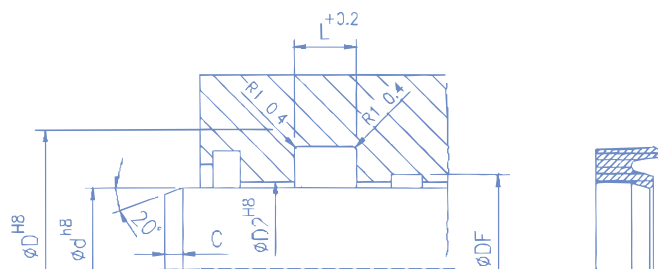
Note : PLEASE MENTION PROFILE CODE & MATERIAL CODE FROM "ASPL HYDRAULIC & PNEUMATIC SEALS"

CATALOGUE TOGETHER WITH "ASPL SIZE REF. NO." TO COMPLETE ORDERING INFORMATION.

e.g. S1012ER1ETL1930037 INDICATES PROFILE S10-12, MATERIAL NBR+ACETAL AND HOUSING SIZE 50(d) x 60 (D) x 16 (L) mm.



S1, S2, S3, S4, S6, S17, S32



ISO	d	D	L	D2 (<100 bar)	D2 (<250 bar)	D2 (<400 bar)	D2 (sys.)	C	ASPL Size Ref. No.	ISO	d	D	L	D2 (<100 bar)	D2 (<250 bar)	D2 (<400 bar)	D2 (sys.)	C	ASPL Size Ref. No.
ISO	8	16	6.3	8.5	8.35	8.25	9	3.5	1920001	ISO	36	44	6.3	36.5	36.35	36.25	37	4.0	1920050
	8	16	9.0	8.5	8.35	8.25	9	3.5	1920002		36	44	9.0	36.5	36.35	36.25	37	4.0	1920051
ISO	10	18	6.3	10.5	10.35	10.25	11	3.5	1920003	ISO	36	46	8.0	36.5	36.35	36.25	37	4.5	1920052
ISO	10	20	8.0	10.5	10.35	10.25	11	4.0	1920004		36	46	11.0	36.5	36.35	36.25	37	4.5	1920053
ISO	12	20	6.3	12.5	12.35	12.25	13	3.5	1920005	ISO	36	51	12.5	36.5	36.35	36.25	37	5.5	1920054
ISO	12	22	8.0	12.5	12.35	12.25	13	4.5	1920006		40	48	6.3	40.5	40.35	40.25	41	4.0	1920055
	12	22	9.0	12.5	12.35	12.25	13	4.5	1920007		40	48	9.0	40.5	40.35	40.25	41	4.0	1920056
ISO	14	22	6.3	14.5	14.35	14.25	15	3.5	1920008	ISO	40	50	8.0	40.5	40.35	40.25	41	4.5	1920057
ISO	14	24	8.0	14.5	14.35	14.25	15	4.5	1920009		40	50	9.0	40.5	40.35	40.25	41	4.5	1920058
	14	24	9.0	14.5	14.35	14.25	15	4.5	1920010		40	50	11.0	40.5	40.35	40.25	41	4.4	1920059
	15	25	9.0	15.5	15.35	15.25	16	4.5	1920011		40	55	11.0	40.5	40.35	40.25	41	5.5	1920060
ISO	16	24	6.3	16.5	16.35	16.25	17	4.0	1920012	ISO	40	55	12.5	40.5	40.35	40.25	41	5.5	1920061
ISO	16	26	8.0	16.5	16.35	16.25	17	4.5	1920013		42	50	6.3	42.5	42.35	42.25	43	4.0	1920062
	16	26	9.0	16.5	16.35	16.25	17	4.5	1920014		42	52	11.0		42.35	42.25	43	4.5	1920063
ISO	18	26	6.3	18.5	18.35	18.25	19	4.0	1920015		45	53	9.0	45.5	45.35	45.25	46	4.0	1920064
	18	26	9.0	18.5	18.35	18.25	19	4.0	1920016	ISO	45	55	6.3	45.5	45.35	45.25	46	4.5	1920065
ISO	18	28	8.0	18.5	18.35	18.25	19	4.5	1920017	ISO	45	55	8.0	45.5	45.35	45.25	46	4.5	1920066
	18	28	9.0	18.5	18.35	18.25	19	4.5	1920018		45	55	11.0	45.5	45.35	45.25	46	4.5	1920067
ISO	20	28	6.3	20.5	20.35	20.25	21	4.0	1920019		45	60	11.0	45.5	45.35	45.25	46	5.5	1920068
ISO	20	30	8.0	20.5	20.35	20.25	21	4.5	1920020		50	58	9.0	50.5	50.35	50.25	51	4.0	1920069
	20	30	9.0	20.5	20.35	20.25	21	4.5	1920021	ISO	50	60	8.0	50.5	50.35	50.25	51	4.5	1920070
ISO	22	30	6.3	22.5	22.35	22.25	23	4.0	1920022		50	60	11.0	50.5	50.35	50.25	51	4.5	1920071
	22	30	8.0	22.5	22.35	22.25	23	4.0	1920023		50	65	11.0	50.5	50.35	50.25	51	5.5	1920072
	22	30	9.0	22.5	22.35	22.25	23	4.0	1920024	ISO	50	65	12.5	50.5	50.35	50.25	51	5.5	1920073
ISO	22	32	8.0	22.5	22.35	22.25	23	4.5	1920025		50	70	13.0	50.5	50.35	50.25	51	6.0	1920074
	22	32	9.0	22.5	22.35	22.25	23	4.5	1920026		55	63	8.0	55.5	55.35	55.25	56	4.5	1920075
ISO	25	33	6.3	25.5	25.35	25.25	26	4.5	1920027		55	63	9.0	55.5	55.35	55.25	56	4.5	1920076
	25	33	9.0	25.5	25.35	25.25	26	4.5	1920028		55	65	8.0	55.5	55.35	55.25	56	4.5	1920077
	25	35	8.0	25.5	25.35	25.25	26	4.5	1920029		55	65	11.0	55.5	55.35	55.25	56	4.5	1920078
	25	35	9.0	25.5	25.35	25.25	26	4.5	1920030		55	70	11.0	55.5	55.35	55.25	56	5.5	1920079
	25	40	11.0	25.5	25.35	25.25	26	5.5	1920031		55	70	13.0	55.5	55.35	55.25	56	5.5	1920080
ISO	28	36	6.3	28.5	28.35	28.25	29	4.0	1920032		56	66	8.0	56.5	56.35	56.25	57	4.5	1920081
	28	36	9.0	28.5	28.35	28.25	29	4.0	1920033		56	66	9.0	56.5	56.35	56.25	57	4.5	1920082
ISO	28	38	8.0	28.5	28.35	28.25	29	4.5	1920034		56	66	11.0	56.5	56.35	56.25	57	4.5	1920083
	28	38	9.0	28.5	28.35	28.25	29	4.5	1920035	ISO	56	71	12.0	56.5	56.35	56.25	57	5.5	1920084
ISO	28	43	12.5	28.5	28.35	28.25	29	5.5	1920036		56	71	13.0	56.5	56.35	56.25	57	5.5	1920085
	30	38	6.3	30.5	30.35	30.25	31	4.0	1920037		60	68	9.0	60.5	60.35	60.25	61	4.5	1920086
	30	38	9.0	30.5	30.35	30.25	31	4.0	1920038		60	70	8.0	60.5	60.35	60.25	61	4.5	1920087
	30	40	11.0	30.5	30.35	30.25	31	4.5	1920039		60	70	11.0	60.5	60.35	60.25	61	4.5	1920088
	30	45	11.0	30.5	30.35	30.25	31	5.5	1920040		60	70	13.0	60.5	60.35	60.25	61	4.5	1920089
	32	40	6.3	32.5	32.35	32.25	33	4.0	1920041	ISO	60	75	11.0	60.5	60.35	60.25	61	5.5	1920090
ISO	32	42	9.0	32.5	32.35	32.25	33	4.0	1920042		60	75	12.5	60.5	60.35	60.25	61	5.5	1920091
	32	42	8.0	32.5	32.35	32.25	33	4.5	1920043		60	75	13.0	60.5	60.35	60.25	61	5.5	1920092
	32	42	9.0	32.5	32.35	32.25	33	4.5	1920044		63	75	9.6	63.5	63.35	63.25	64	5.0	1920093
	32	42	11.0	32.5	32.35	32.25	33	4.5	1920045		63	78	11.0	63.5	63.35	63.25	64	5.5	1920094
	32	45	11.0	32.5	32.35	32.25	33	5.5	1920046		63	78	12.5	63.5	63.35	63.25	64	5.5	1920095
	35	43	6.3	35.5	35.35	35.25	36	4.0	1920047		65	77	9.6	65.5	65.35	65.25	66	5.0	1920096
	35	45	11.0	35.5	35.35	35.25	36	4.5	1920048		65	80	13.0	65.5	65.35	65.25	66	5.5	1920097
	35	50	11.0	35.5	35.35	35.25	36	5.5	1920049	ISO	65	85	13.0	65.5	65.35	65.25	66	6.0	1920098

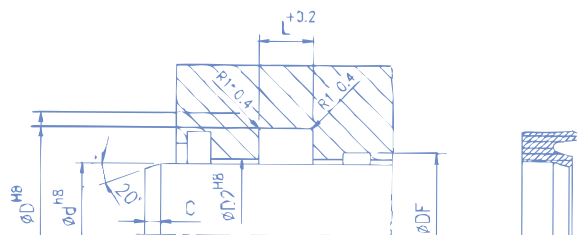
Note : PLEASE MENTION PROFILE CODE & MATERIAL CODE FROM "ASPL HYDRAULIC & PNEUMATIC SEALS"

CATALOGUE TOGETHER WITH "ASPL SIZE REF. NO." TO COMPLETE ORDERING INFORMATION.

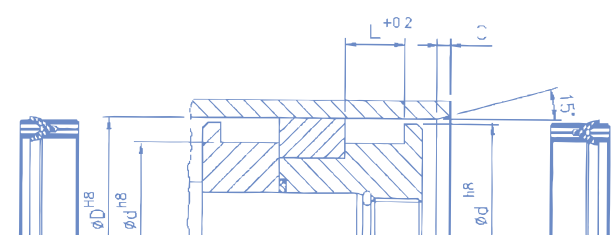
e.g. S6HPU1920027 INDICATES PROFILE S6, MATERIAL HPU AND HOUSING SIZE 25(d) x 33 (D) x 6.3 (L) mm.



S1, S2, S3, S4, S6, S32



K10-12



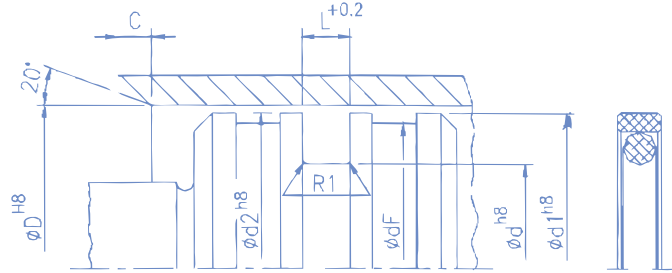
ISO	d	D	L	D2 (<100 bar)	D2 (<250 bar)	D2 (<400 bar)	D2 (sys.)	C	ASPL Size Ref. No.	D	d	d1	L	C	ASPL Size Ref. No.
ISO	70	78	9.0	70.5	70.35	70.25	71	4.5	1920099	40	25	39	11.5	5.0	1140001
	70	82	9.6	70.5	70.35	70.25	71	5.0	19200100	42	27	41	11.5	5.0	1140002
	70	85	11.0	70.5	70.35	70.25	71	5.5	19200101	45	30	44	11.5	5.0	1140003
	70	85	12.5	70.5	70.35	70.25	71	5.5	19200102	50	35	49	11.5	5.0	1140004
	70	85	13.0	70.5	70.35	70.25	71	5.5	19200103	55	40	54	11.5	5.0	1140005
	70	90	13.0	70.5	70.35	70.25	71	6.0	19200104	56	41	55	11.5	5.0	1140006
	75	87	9.6	75.5	75.35	75.25	76	5.0	19200105	60	45	59	11.5	5.0	1140007
	75	90	11.0	75.5	75.35	75.25	76	5.5	19200106	63	48	62	12.5	5.0	1140008
	80	90	11.0	80.5	80.35	80.25	81	4.5	19200107	63	48	62	13.0	5.0	1140009
	80	92	9.6	80.5	80.35	80.25	81	5.0	19200108	65	50	64	13.0	5.0	1140010
	80	95	12.5	80.5	80.35	80.25	81	5.5	19200109	70	50	69	15.2	6.0	1140011
	80	95	13.5	80.5	80.35	80.25	81	5.5	19200110	80	60	79	15.5	6.0	1140012
	80	100	13.0	80.5	80.35	80.25	81	6.0	19200111	90	70	89	21.2	6.0	1140013
	85	97	9.6	85.5	85.35	85.25	86	5.0	19200112	100	80	99	21.2	6.0	1140014
	85	100	12.5	85.5	85.35	85.25	86	5.5	19200113	100	85	99	12.5	6.0	1140015
ISO	90	102	9.6	90.5	90.35	90.25	91	5.0	19200115	110	90	109	21.2	6.0	1140016
	90	105	11.0	90.5	90.35	90.25	91	5.5	19200116	115	95	114	21.2	6.0	1140017
	90	105	12.5	90.5	90.35	90.25	91	5.5	19200117	120	95	119	25.8	7.5	1140018
	90	105	13.0	90.5	90.35	90.25	91	5.5	19200118	125	100	124	25.8	7.5	1140019
	90	110	13.0	90.5	90.35	90.25	91	6.0	19200119	140	115	139	25.8	7.5	1140020
ISO	90	110	16.0	90.5	90.35	90.25	91	6.0	19200120	150	120	148.5	29.0	7.5	1140021
	100	115	11.0	100.5	100.35	100.25	101	5.5	19200121	160	130	158.5	29.0	7.5	1140022
	100	115	12.0	100.5	100.35	100.25	101	5.5	19200122	180	150	178.5	31.5	7.5	1140023
	100	115	13.0	100.5	100.35	100.25	101	5.5	19200123	200	170	198.5	33.5	7.5	1140024
	100	120	12.5	100.5	100.35	100.25	101	6.0	19200124	200	170	198.5	38.7	7.5	1140025
ISO	100	120	13.0	100.5	100.35	100.25	101	6.0	19200125	220	190	218.5	33.5	7.5	1140026
	110	125	12.0	110.5	110.35	110.25	111	5.5	19200126	220	190	218.5	38.7	7.5	1140027
	110	125	13.0	110.5	110.35	110.25	111	5.5	19200127	225	195	223.5	33.5	7.5	1140028
	110	130	16.0	110.5	110.35	110.25	111	6.0	19200128	225	195	223.5	38.7	7.5	1140029
	115	135	16.0	115.5	115.35	115.25	116	6.0	19200129	240	210	238.5	33.5	7.5	1140030
ISO	120	140	16.0	120.5	120.35	120.25	121	6.0	19200130	240	210	238.5	38.7	7.5	1140031
	125	140	12.0	125.5	125.35	125.25	126	5.5	19200131	250	220	248.5	25.0	7.5	1140032
	125	145	16.0	125.5	125.35	125.25	126	6.0	19200132	250	220	248.5	33.5	7.5	1140033
	140	160	16.0	140.5	140.35	140.25	141	6.0	19200133	250	220	248.5	38.7	7.5	1140034
	150	170	13.0	150.5	150.35	150.25	151	6.0	19200134						
ISO	150	170	16.0	150.5	150.35	150.25	151	6.0	19200135						
	160	180	16.0	160.5	160.35	160.25	161	6.0	19200136						
	160	185	16.0	160.5	160.35	160.25	161	6.5	19200137						
	180	200	16.0	180.5	180.35	180.25	181	6.0	19200138						
	180	205	16.0	180.5	180.35	180.25	181	6.5	19200139						
ISO	190	210	16.0	190.5	190.35	190.25	191	6.0	19200140						
	200	215	12.5	200.5	200.35	200.25	201	5.5	19200141						
	200	220	16.0	200.5	200.35	200.25	201	6.0	19200142						
	200	225	16.0	200.5	200.35	200.25	201	6.5	19200143						
	220	240	16.0	220.5	220.35	220.25	221	6.0	19200144						
ISO	220	250	19.0	220.5	220.35	220.25	221	7.5	19200145						

Note : PLEASE MENTION PROFILE CODE & MATERIAL CODE FROM "ASPL HYDRAULIC & PNEUMATIC SEALS" CATALOGUE TOGETHER WITH "ASPL SIZE REF. NO." TO COMPLETE ORDERING INFORMATION.

e.g. K10-12HPUETL1140032 INDICATES PROFILE K10-12, MATERIAL HPu & ACETAL AND HOUSING SIZE 250(D) x 220 (d) x 25 (L) mm.



K-8

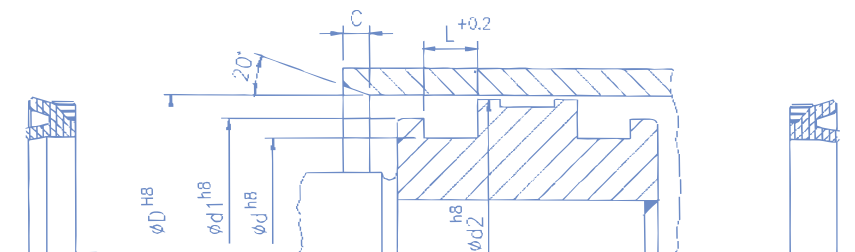


ISO	D	d	L	d2 (<200 bar)	d2 (<400 bar)	C	R1	ASPL Size Ref. No.	ISO	D	d	L	d2 (<200 bar)	d2 (<400 bar)	C	R1	ASPL Size Ref. No.
ISO	8	3.1	2.2	7.6		3.0	0.3	1110001	ISO	90	69.0	8.1	89.4	89.5	10.5	2.0	1110032
	10	5.1	2.2	9.6		3.0	0.3	1110002		90	74.5	6.3	89.5	89.6	8.0	1.2	1110033
	12	7.1	2.2	11.6		3.0	0.3	1110003		95	74.0	8.1	94.4	94.5	10.5	2.0	1110034
	15	7.5	3.2	14.5		4.5	0.5	1110004		95	79.5	6.3	94.5	94.6	8.0	1.2	1110035
	16	8.5	3.2	15.5		4.5	0.5	1110005		100	79.0	8.1	99.4	99.5	10.5	2.0	1110036
	18	10.5	3.2	17.5		4.5	0.5	1110006		100	84.5	6.3	99.5	99.6	8.0	1.2	1110037
	20	12.5	3.2	19.5		4.5	0.5	1110007		100	89.0	4.2	99.5	99.6	6.0	0.8	1110038
	22	14.5	3.2	21.5		4.5	0.5	1110008		105	89.5	6.3	104.5	104.6	8.0	1.2	1110039
	25	17.5	3.2	24.5		4.5	0.5	1110009		110	89.0	8.1	109.4	109.5	10.5	2.0	1110040
	28	20.5	3.2	27.5		4.5	0.5	1110010		110	94.5	6.3	109.5	109.6	8.0	1.2	1110041
ISO	30	22.5	3.2	29.5		4.5	0.5	1110011	ISO	115	94.0	8.1	114.4	114.5	10.5	2.0	1110042
	32	24.5	3.2	31.5		4.5	0.5	1110012		115	99.5	6.3	114.5	114.6	8.0	1.2	1110043
	35	27.5	3.2	34.5		4.5	0.5	1110013		120	99.0	8.1	119.4	119.5	10.5	2.0	1110044
	36	28.5	3.2	35.5		4.5	0.5	1110014		120	104.5	6.3	119.5	119.6	8.0	1.2	1110045
	40	29.0	4.2	39.5	39.6	6.0	0.8	1110015		125	104.0	8.1	124.4	124.5	10.5	2.0	1110046
	42	31.0	4.2	41.5	41.6	6.0	0.8	1110016		125	109.5	6.3	124.5	124.6	8.0	1.2	1110047
	45	34.0	4.2	44.5	44.6	6.0	0.8	1110017		130	109.0	8.1	129.4	129.5	10.5	2.0	1110048
	50	39.0	4.2	49.5	49.6	6.0	0.8	1110018		130	114.5	6.3	129.5	129.6	8.0	1.2	1110049
	55	44.0	4.2	54.5	54.6	6.0	0.8	1110019		140	119.0	8.1	139.5	139.6	10.5	2.0	1110050
	56	45.0	4.2	55.5	55.6	6.0	0.8	1110020		150	129.0	8.1	149.4	149.5	10.5	2.0	1110051
ISO	60	49.0	4.2	59.5	59.6	6.0	0.8	1110021	ISO	160	139.0	8.1	159.4	159.5	10.5	2.0	1110052
	63	52.0	4.2	62.5	62.6	6.0	0.8	1110022		170	149.0	8.1	169.4	169.5	10.5	2.0	1110053
	65	54.0	4.2	64.5	64.6	6.0	0.8	1110023		180	159.0	8.1	179.4	179.5	10.5	2.0	1110054
	70	54.5	6.3	69.5	69.6	8.0	1.2	1110024		190	169.0	8.1	189.4	189.5	10.5	2.0	1110055
	70	59.0	4.2	69.5	69.6	6.0	0.8	1110025		200	179.0	8.1	199.4	199.5	10.5	2.0	1110056
	75	59.5	6.3	74.5	74.6	8.0	1.2	1110026		210	189.0	8.1	209.4	209.5	10.5	2.0	1110057
	75	64.0	4.2	74.5	74.6	6.0	0.8	1110027		220	199.0	8.1	219.4	219.5	10.5	2.0	1110058
	80	59.0	8.1	79.4	79.5	10.5	2.0	1110028		225	204.0	8.1	224.4	224.5	10.5	2.0	1110059
	80	64.5	6.3	79.5	79.6	8.0	1.2	1110029		230	209.0	8.1	229.4	229.5	10.5	2.0	1110060
	85	64.0	8.1	84.4	84.5	10.5	2.0	1110030		240	219.0	8.1	239.4	239.5	10.5	2.0	1110061
	85	69.5	6.3	84.5	84.6	8.0	1.2	1110031	ISO	250	229.0	8.1	249.4	249.5	10.5	2.0	1110062

Note : PLEASE MENTION PROFILE CODE & MATERIAL CODE FROM "ASPL HYDRAULIC & PNEUMATIC SEALS" CATALOGUE TOGETHER WITH "ASPL SIZE REF. NO." TO COMPLETE ORDERING INFORMATION.
e.g. K8EF2ER21110037 INDICATES PROFILE K8, MATERIAL FILLED PTFE & VITON AND HOUSING SIZE 100(D) x 84.5 (D) x 6.3 (L) mm.



K1, K2, K3, K4, K6

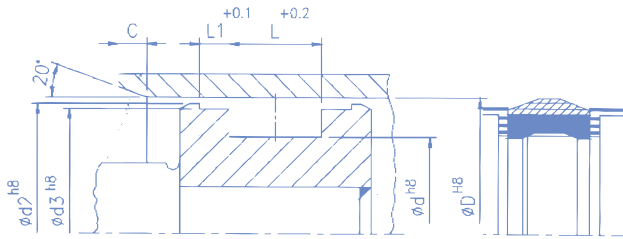


ISO	D	d	L	d1	C	d2 (200 bar)	d2 (400 bar)	ASPL Size Ref. No.	ISO	D	d	L	d1	C	d2 (200 bar)	d2 (400 bar)	ASPL Size Ref. No.
ISO	40	25	9.5	35	4.0	38.8	39.2	1130001	ISO	115	95	12.5	109	5.0	113.5	113.9	1130033
	40	25	10.0	35	4.0	38.8	39.2	1130002		115	95	13.0	109	5.0	113.5	113.9	1130034
	45	30	9.5	40	4.0	43.8	44.2	1130003		115	100	9.5	111	4.0	113.9	114.3	1130035
	45	30	10.0	40	4.0	43.8	44.2	1130004		125	100	15.5	117	6.5	123.5	123.9	1130036
	50	35	9.5	45	4.0	48.8	49.2	1130005		125	100	16.0	117	6.5	123.5	123.9	1130037
	50	35	10.0	45	4.0	48.8	49.2	1130006		125	100	16.2	117	6.5	123.5	123.9	1130038
	55	40	9.5	50	4.0	53.8	54.2	1130007		125	105	12.5	119	5.0	123.5	123.9	1130039
	55	40	10.0	50	4.0	53.8	54.2	1130008		140	115	15.5	132	6.5	138.5	138.9	1130040
	60	45	9.5	55	4.0	58.9	59.3	1130009		140	115	16.2	132	6.5	138.5	138.9	1130041
	60	45	10.0	55	4.0	58.9	59.3	1130010		140	120	12.5	134	5.0	138.5	138.9	1130042
ISO	63	48	9.5	58	4.0	61.9	62.3	1130011	ISO	150	120	19.0	140	7.5	148.5	148.9	1130043
	63	48	10.0	58	4.0	61.9	62.3	1130012		150	120	19.8	140	7.5	148.5	148.9	1130044
	65	50	9.5	60	4.0	63.9	64.3	1130013		150	130	12.5	144	5.0	148.5	148.9	1130045
	65	50	10.0	60	4.0	63.9	64.3	1130014		160	130	19.0	150	7.5	158.5	158.9	1130046
	70	50	12.5	64	5.0	68.5	68.9	1130015		160	130	19.8	150	7.5	158.5	158.9	1130047
	70	50	13.0	64	5.0	68.5	68.9	1130016		160	140	12.5	154	5.0	158.5	158.9	1130048
	70	55	9.5	65	4.0	68.9	69.3	1130017		170	150	12.5	164	5.0	168.5	168.9	1130049
	75	55	12.5	69	5.0	73.5	73.9	1130018		180	150	19.0	170	7.5	178.5	178.9	1130050
	80	60	12.5	74	5.0	78.5	78.9	1130019		180	150	19.8	170	7.5	178.5	178.9	1130051
	80	60	13.0	74	5.0	78.5	78.9	1130020		180	160	12.5	174	5.0	178.5	178.9	1130052
ISO	80	65	9.5	75	4.0	78.9	79.3	1130021	ISO	200	170	19.0	190	7.5	198.6	199.0	1130053
	85	70	9.5	80	4.0	83.9	84.3	1130022		200	170	19.8	190	7.5	198.6	199.0	1130054
	90	70	12.5	84	5.0	88.5	88.9	1130023		200	170	20.0	190	7.5	198.6	199.0	1130055
	90	70	13.0	84	5.0	88.5	88.9	1130024		200	175	16.0	193	6.5	198.6	199.0	1130056
	90	75	9.5	85	4.0	88.9	89.3	1130025		220	200	16.0	214	5.0	218.6	219.0	1130057
	100	80	12.5	94	5.0	98.5	98.3	1130026		225	195	19.0	215	7.5	223.6	224.0	1130058
	100	80	13.0	94	5.0	98.5	98.3	1130027		225	195	19.8	215	7.5	223.6	224.0	1130059
	100	85	9.5	95	4.0	98.9	99.3	1130028		250	220	19.0	240	7.5	248.6	249.0	1130060
	105	85	13.0	99	5.0	103.5	103.9	1130029		250	220	19.8	240	7.5	248.6	249.0	1130061
	110	90	12.5	104	5.0	108.5	108.9	1130030		250	220	20.0	240	7.5	248.6	249.0	1130062
ISO	110	90	13.0	104	5.0	108.5	108.9	1130031	ISO	250	225	16.0	242	6.5	248.6	249.0	1130063
	114	94	12.5	108	5.0	112.5	112.9	1130032									

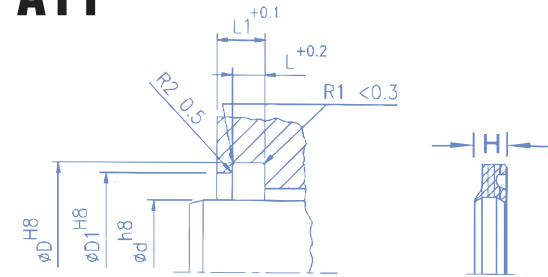
Note : PLEASE MENTION PROFILE CODE & MATERIAL CODE FROM "ASPL HYDRAULIC & PNEUMATIC SEALS" CATALOGUE TOGETHER WITH "ASPL SIZE REF. NO." TO COMPLETE ORDERING INFORMATION.
e.g. K2 EF1 ER1 1130031 INDICATES PROFILE K2, MATERIAL VIRGIN PTFE & NBR AND HOUSING SIZE 110(D) x 90 (d) x 13 (L) mm.



K-9, K-17



A11



D	d	L	L1	d2	d3	C	ASPL Size Ref. No.	d	D	H	D1	L	L1	ASPL Size Ref. No.
40	24	18.4	6.4	38.7	35.4	4	1120001	20	28	8	24	4.0	6.0	0140001
40	26	15.5	2.6	39.0	36.0	4	1120002	22	30	8	26	4.0	6.0	0140002
45	31	15.5	2.6	44.0	41.0	4	1120003	25	33	8	29	4.0	6.0	0140003
50	34	18.4	6.4	48.7	45.4	4	1120004	28	36	8	32	4.0	6.0	0140004
50	34	20.5	3.1	49.0	46.0	4	1120005	30	38	8	34	4.0	6.0	0140005
55	39	20.5	3.1	54.0	51.0	4	1120006	32	40	8	36	4.0	6.0	0140006
60	44	18.4	6.4	58.7	55.4	4	1120007	35	43	8	39	4.0	6.0	0140007
60	44	20.5	3.1	59.0	56.0	4	1120008	36	44	8	40	4.0	6.0	0140008
63	47	18.4	6.4	61.7	58.4	4	1120009	40	48	8	44	4.0	6.0	0140009
63	47	19.4	6.4	61.7	58.4	4	1120010	42	50	8	46	4.0	6.0	0140010
63	47	20.5	3.1	62.0	59.0	4	1120011	45	53	8	49	4.0	6.0	0140011
65	49	20.5	3.1	64.0	61.0	4	1120012	50	58	8	54	4.0	6.0	0140012
70	50	22.4	6.4	68.3	64.2	4	1120013	55	63	8	59	4.0	6.0	0140013
70	54	20.5	3.1	69.0	66.0	4	1120014	56	64	8	60	4.0	6.0	0140014
80	60	22.4	6.4	78.3	74.2	5	1120015	60	68	8	64	4.0	6.0	0140015
80	62	22.5	3.6	79.0	76.0	5	1120016	63	71	8	67	4.0	6.0	0140016
90	70	22.4	6.4	88.3	84.2	5	1120017	65	73	8	69	4.0	6.0	0140017
90	72	22.5	3.6	89.0	86.0	5	1120018	70	78	8	74	4.0	6.0	0140018
100	75	22.4	6.4	98.0	93.2	5	1120019	75	83	8	79	4.0	6.0	0140019
100	82	22.5	3.6	99.0	96.0	5	1120020	80	88	8	84	4.0	6.0	0140020
110	85	22.4	6.4	108.0	103.2	5	1120021	85	93	8	89	4.0	6.0	0140021
110	92	22.5	3.6	109.0	106.0	5	1120022	90	98	8	94	4.0	6.0	0140022
125	100	25.4	6.4	123.0	118.1	6	1120023	100	108	8	104	4.0	6.0	0140023
125	103	26.5	5.1	124.0	121.0	6	1120024	110	122	11	116	5.5	8.2	0140024
140	115	25.4	6.4	138.0	133.0	6	1120025	115	127	11	121	5.5	8.2	0140025
140	118	26.5	5.1	139.0	136.0	6	1120026	120	132	11	126	5.5	8.2	0140026
150	128	26.5	5.1	149.0	146.0	6	1120027	125	137	11	131	5.5	8.2	0140027
160	130	25.4	6.4	158.0	153.0	6	1120028	130	142	11	136	5.5	8.2	0140028
160	138	26.5	5.1	159.0	156.0	6	1120029	140	152	11	146	5.5	8.2	0140029
180	158	26.5	5.1	179.0	176.0	6	1120030	150	162	11	156	5.5	8.2	0140030
200	175	31.5	6.6	199.0	196.0	6	1120031	160	172	11	166	5.5	8.2	0140031
210	185	31.5	6.6	209.0	206.0	6	1120032	170	182	11	176	5.5	8.2	0140032
220	195	31.5	6.6	219.0	216.0	6	1120033	180	192	11	186	5.5	8.2	0140033
230	205	31.5	6.6	229.0	226.0	6	1120034	200	212	11	206	5.5	8.2	0140034
240	215	31.5	6.6	239.0	236.0	6	1120035	220	235	13	227.5	6.5	9.5	0140035
250	225	31.5	6.6	249.0	248.0	6	1120036	240	255	13	247.5	6.5	9.5	0140036

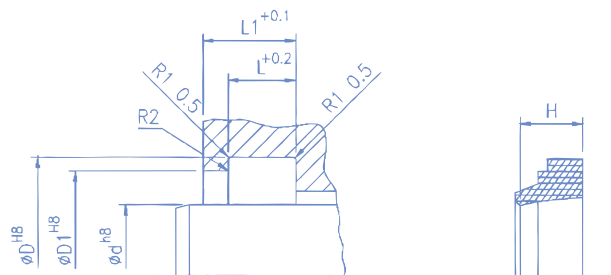
Note : PLEASE MENTION PROFILE CODE & MATERIAL CODE FROM "ASPL HYDRAULIC & PNEUMATIC SEALS" CATALOGUE TOGETHER WITH "ASPL SIZE REF. NO." TO COMPLETE ORDERING INFORMATION.

e.g. K17 HPU ER1 ETL 1120031 INDICATES PROFILE K-17, MATERIAL HPU, NBR & ACETAL AND HOUSING SIZE 200(D) X 175(d) X 31.5(L) X 6.6 (L1) mm.

e.g. A11 HPU 140031 INDICATES PROFILE A11, MATERIAL HPU AND HOUSING SIZE 160(d) X 172(D) X 5.5(L) mm.



A1

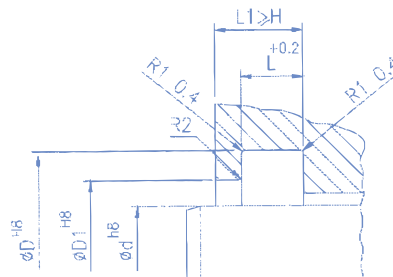


ISO	d	D	H	D1	L	L1	R2 (max)	ASPL Size Ref. No.	ISO	d	D	H	D1	L	L1	R2 (max)	ASPL Size Ref. No.
ISO	16	24	7.0	22.0	4.0	5	0.3	0110001	ISO	65	73	7.0	71.0	4.0	5	0.3	0110031
	16	24	7.8	21.5	5.0	7	0.3	0110002		70	78	7.0	76.0	4.0	5	0.3	0110032
	18	26	7.0	24.0	4.0	5	0.3	0110003		70	80	9.0	77.0	6.3	8.3	0.4	0110033
ISO	18	26	7.8	23.5	5.0	7	0.3	0110004	ISO	75	83	7.0	81.0	4.0	5	0.3	0110034
	20	28	7.0	26.0	4.0	5	0.3	0110005		80	88	7.0	86.0	4.0	5	0.3	0110035
	20	28	7.8	25.5	5.0	7	0.3	0110006		80	90	9.0	87.0	6.3	8.3	0.4	0110036
ISO	22	30	7.0	28.0	4.0	5	0.3	0110007	ISO	85	93	7.0	91.0	4.0	5	0.3	0110037
	22	30	7.8	27.5	5.0	7	0.3	0110008		90	98	7.0	96.0	4.0	5	0.3	0110038
	25	33	7.0	31.0	4.0	5	0.3	0110009		90	100	9.0	97.0	6.3	8.3	0.4	0110039
ISO	25	33	7.8	30.5	5.0	7	0.3	0110010	ISO	100	108	7.0	106.0	4.0	5	0.3	0110040
	28	36	7.0	34.0	4.0	5	0.3	0110011		100	115	13.0	110.0	9.5	12	0.6	0110041
	28	36	7.8	33.5	5.0	7	0.3	0110012		110	122	10.0	119.0	5.5	7	0.3	0110042
ISO	30	38	7.0	36.0	4.0	5	0.3	0110013	ISO	110	125	13.0	120.0	9.5	12	0.6	0110043
	32	40	7.0	38.0	4.0	5	0.3	0110014		115	127	10.0	124.0	5.5	7	0.3	0110044
	32	40	7.8	37.5	5.0	7	0.3	0110015		120	132	10.0	129.0	5.5	7	0.3	0110045
ISO	35	43	7.0	41.0	4.0	5	0.3	0110016	ISO	125	137	10.0	134.0	5.5	7	0.3	0110046
	36	44	7.0	42.0	4.0	5	0.3	0110017		125	140	13.0	135.0	9.5	12	0.6	0110047
	36	44	7.8	41.5	5.0	7	0.3	0110018		140	152	10.0	149.0	5.5	7	0.3	0110048
ISO	40	48	7.0	46.0	4.0	5	0.3	0110019	ISO	140	155	13.0	150.0	9.5	12	0.6	0110049
	40	48	7.8	45.5	5.0	7	0.3	0110020		150	162	10.0	159.0	5.5	7	0.3	0110050
	45	53	7.0	51.0	4.0	5	0.3	0110021		160	172	10.0	169.0	5.5	7	0.3	0110051
ISO	45	53	7.8	50.5	5.0	7	0.3	0110022	ISO	160	175	13.0	170.0	9.5	12	0.6	0110052
	50	58	7.0	56.0	4.0	5	0.3	0110023		180	192	10.0	189.0	5.5	7	0.3	0110053
	50	58	7.8	55.5	5.0	7	0.3	0110024		180	195	13.0	190.0	9.5	12	0.6	0110054
ISO	55	63	7.0	61.0	4.0	5	0.3	0110025	ISO	200	212	10.0	209.0	5.5	7	0.3	0110055
	56	64	7.0	62.0	4.0	5	0.3	0110026		200	215	13.0	210.0	9.5	12	0.6	0110056
	56	66	9.0	63.0	6.3	8.3	0.4	0110027		210	225	13.0	220.0	9.5	12	0.6	0110057
ISO	60	68	7.0	66.0	4.0	5	0.3	0110028	ISO	220	235	13.0	230.0	9.5	12	0.6	0110058
	63	71	7.0	69.0	4.0	5	0.3	0110029		230	245	13.0	240.0	9.5	12	0.6	0110059
	63	73	9.0	70.0	6.3	8.3	0.4	0110030									

Note : PLEASE MENTION PROFILE CODE & MATERIAL CODE FROM "ASPL HYDRAULIC & PNEUMATIC SEALS" CATALOGUE TOGETHER WITH "ASPL SIZE REF. NO." TO COMPLETE ORDERING INFORMATION.
e.g. A1 ER1 0110032 INDICATES PROFILE A1, MATERIAL NBR AND HOUSING SIZE 70 (d) x 78 (D) x 4 (L) mm.

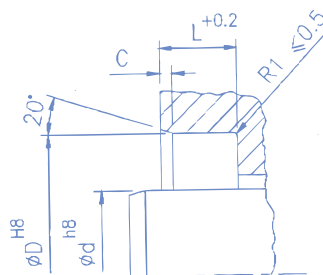


A2, A5



d	D	H	L	D1	R2	ASPL Size Ref. No.	d	D	H	L	D1	R2	ASPL Size Ref. No.
20	28.6	6.5	5.3	23.0	1	0120001	63	73.6	7.0	5.3	66.0	1	0120029
20	28.6	7.0	5.3	23.0	1	0120002	65	75.6	7.0	5.3	68.0	1	0120030
22	30.6	6.5	5.3	25.0	1	0120003	70	80.6	7.0	5.3	73.0	1	0120031
22	30.6	7.0	5.3	25.0	1	0120004	75	87.2	12.0	7.2	81.0	1	0120032
25	33.6	6.5	5.3	28.0	1	0120005	80	92.2	12.0	7.2	86.0	1	0120033
25	33.6	7.0	5.3	28.0	1	0120006	85	83.6	7.0	5.3	88.0	1	0120034
28	36.6	6.5	5.3	31.0	1	0120007	85	97.2	12.0	7.2	91.0	1	0120035
28	36.6	7.0	5.3	31.0	1	0120008	90	102.2	12.0	7.2	96.0	1	0120036
30	38.6	6.5	5.3	33.0	1	0120009	100	112.2	12.0	7.2	106.0	1	0120037
30	38.6	7.0	5.3	33.0	1	0120010	105	117.2	12.0	7.2	111.0	1	0120038
32	40.6	6.5	5.3	35.0	1	0120011	110	122.2	12.0	7.2	116.0	1	0120039
32	40.6	7.0	5.3	35.0	1	0120012	115	127.2	12.0	7.2	121.0	1	0120040
35	43.6	6.5	5.3	38.0	1	0120013	120	132.2	12.0	7.2	126.0	1	0120041
35	43.6	7.0	5.3	38.0	1	0120014	125	140.0	16.0	10.2	132.6	1.5	0120042
36	44.6	6.5	5.3	39.0	1	0120015	140	155.0	16.0	10.2	147.6	1.5	0120043
36	44.6	7.0	5.3	39.0	1	0120016	150	162.2	12.0	7.7	156.0	1	0120044
40	48.6	6.5	5.3	43.0	1	0120017	150	165.0	16.0	10.2	157.6	1.5	0120045
40	48.6	7.0	5.3	43.0	1	0120018	160	175.0	16.0	10.2	167.6	1.5	0120046
42	50.6	6.5	5.3	45.0	1	0120019	180	200.0	18.0	10.2	190.0	3	0120047
42	50.6	7.0	5.3	45.0	1	0120020	190	210.0	18.0	10.2	200.0	3	0120048
45	55.6	6.5	5.3	48.0	1	0120021	200	220.0	18.0	10.2	210.0	3	0120049
45	55.6	7.0	5.3	48.0	1	0120022	210	225.0	16.0	10.2	217.6	3	0120050
50	58.6	7.0	5.3	53.0	1	0120023	210	230.0	18.0	10.2	220.0	3	0120051
50	60.6	6.5	5.3	53.6	1	0120024	220	235.0	16.0	10.2	227.6	1.5	0120052
50	60.6	7.0	5.3	53.0	1	0120025	220	240.0	18.0	10.2	230.0	3	0120053
55	65.6	7.0	5.3	58.0	1	0120026	225	245.0	18.0	10.2	235.0	3	0120054
56	66.6	7.0	5.3	59.0	1	0120027	230	245.0	16.0	10.2	237.6	1.5	0120055
60	70.6	7.0	5.3	63.0	1	0120028	230	250.0	18.0	10.2	240.0	3	0120056

Note : PLEASE MENTION PROFILE CODE & MATERIAL CODE FROM "ASPL HYDRAULIC & PNEUMATIC SEALS" CATALOGUE TOGETHER WITH "ASPL SIZE REF. NO." TO COMPLETE ORDERING INFORMATION.
e.g. A2 ER1 012009 INDICATES PROFILE A2, MATERIAL NBR AND HOUSING SIZE 30 (d) x 38.6 (D) x 5.3 (L) mm.

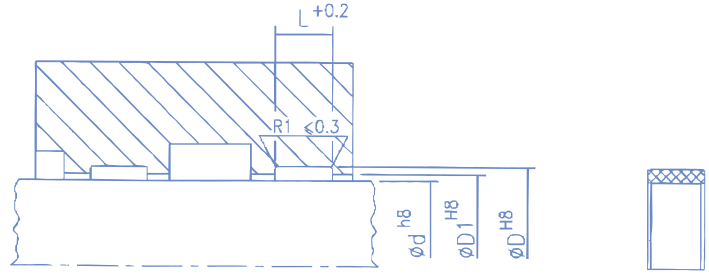


ASPL Sizes Reference List

24



F1 (ROD)

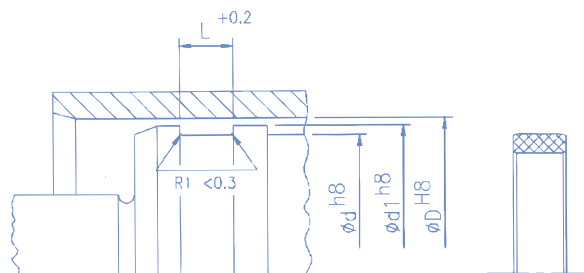


d	D	L	D1	ASPL Size Ref. No.	d	D	L	D1	ASPL Size Ref. No.
20	23	5.6	21.0	0610001	90	95	15.0	91.6	0610041
22	25	5.6	23.0	0610002	95	100	9.7	96.6	0610042
25	28	5.6	26.0	0610003	100	105	9.7	101.6	0610043
28	31	5.6	29.0	0610004	100	105	15.0	101.6	0610044
30	33	5.6	31.0	0610005	100	105	25.0	101.6	0610045
32	35	5.6	33.0	0610006	105	110	9.7	106.6	0610046
32	37	9.7	33.6	0610007	105	110	15.0	106.6	0610047
35	38	5.6	36.0	0610008	110	115	15.0	111.6	0610048
36	39	5.6	37.0	0610009	110	115	25.0	111.6	0610049
38	41	5.6	39.0	0610010	115	120	25.0	116.6	0610050
40	43	5.6	41.0	0610011	120	125	9.7	121.6	0610051
40	45	9.7	41.6	0610012	120	125	15.0	121.6	0610052
42	47	5.6	43.6	0610013	120	125	25.0	121.6	0610053
45	50	5.6	46.6	0610014	125	130	9.7	126.6	0610054
45	50	9.7	46.6	0610015	125	130	15.0	126.6	0610055
50	55	5.6	51.6	0610016	130	135	15.0	131.6	0610056
50	55	9.7	51.6	0610017	140	145	9.7	141.6	0610057
50	55	15.0	51.6	0610018	140	145	15.0	141.6	0610058
55	60	9.7	56.6	0610019	140	145	25.0	141.6	0610059
55	60	15.0	56.6	0610020	145	150	20.0	146.6	0610060
56	61	5.6	57.6	0610021	145	150	25.0	146.6	0610061
56	61	9.7	57.6	0610022	150	155	15.0	151.6	0610062
56	61	15.0	57.6	0610023	160	165	15.0	161.6	0610063
60	65	5.6	61.6	0610024	165	170	15.0	166.6	0610064
60	65	9.7	61.6	0610025	170	175	15.0	171.6	0610065
60	65	15.0	61.6	0610026	180	185	15.0	181.6	0610066
60	65	20.0	61.0	0610027	180	188	25.0	182.5	0610067
63	68	9.7	64.6	0610028	190	195	15.0	191.6	0610068
65	70	9.7	66.6	0610029	190	195	25.0	191.6	0610069
65	70	15.0	66.6	0610030	200	205	15.0	201.6	0610070
70	75	9.7	71.6	0610031	200	208	25.0	202.5	0610071
70	75	15.0	71.6	0610032	210	215	15.0	211.6	0610072
75	80	9.7	76.6	0610033	210	218	25.0	212.5	0610073
75	80	15.0	76.6	0610034	220	225	15.0	221.6	0610074
80	85	9.7	81.6	0610035	230	235	15.0	231.6	0610075
80	85	15.0	81.6	0610036	230	235	20.0	231.6	0610076
80	85	25.0	81.6	0610037	240	245	15.0	241.6	0610077
85	90	9.7	86.6	0610038	240	245	25.0	241.6	0610078
85	90	15.0	86.6	0610039	240	248	25.0	242.5	0610079
90	95	9.7	91.6	0610040					

Note : PLEASE MENTION PROFILE CODE & MATERIAL CODE FROM "ASPL HYDRAULIC & PNEUMATIC SEALS"
CATALOGUE TOGETHER WITH "ASPL SIZE REF. NO." TO COMPLETE ORDERING INFORMATION.
e.g. F1 ETL 06 10015 INDICATES PROFILE F1, MATERIAL ACETAL AND HOUSING SIZE 45 (d) x 50 (D) x 9.7 (L) mm.



F1 (PISTON)



D	d	L	d1	ASPL Size Ref. No.	D	d	L	d1	ASPL Size Ref. No.
20	17	5.6	19.0	0620001	125	120	25.0	123.4	0620047
22	19	5.6	21.0	0620002	140	132	20.0	137.5	0620048
25	22	5.6	24.0	0620003	140	132	25.0	137.5	0620049
28	25	5.6	27.0	0620004	140	135	9.7	138.4	0620050
30	27	5.6	29.0	0620005	140	135	15.0	138.4	0620051
32	29	5.6	31.0	0620006	140	135	20.0	138.4	0620052
35	32	5.6	34.0	0620007	150	142	20.0	147.5	0620053
36	33	5.6	35.0	0620008	150	142	25.0	147.5	0620054
40	35	5.6	38.4	0620009	150	145	9.7	148.4	0620055
40	37	5.6	39.0	0620010	150	145	15.0	148.4	0620056
42	37	5.6	40.4	0620011	150	145	20.0	148.4	0620057
45	40	5.6	43.4	0620012	150	145	25.0	148.4	0620058
50	45	5.6	48.4	0620013	160	152	25.0	157.5	0620059
50	45	9.7	48.4	0620014	160	155	9.7	158.4	0620060
55	50	5.6	53.4	0620015	160	155	15.0	158.4	0620061
56	51	5.6	54.4	0620016	160	155	20.0	158.4	0620062
60	55	5.6	58.4	0620017	160	155	25.0	158.4	0620063
60	55	9.7	58.4	0620018	180	172	20.0	177.5	0620064
63	58	9.7	61.4	0620019	180	172	25.0	177.5	0620065
65	60	9.7	63.4	0620020	180	175	9.7	178.4	0620066
70	62	25.0	67.5	0620021	180	175	15.0	178.4	0620067
70	65	9.7	68.4	0620022	200	192	25.0	197.5	0620068
70	65	15.0	68.4	0620023	200	195	9.7	198.4	0620069
75	70	9.7	73.0	0620024	200	195	15.0	198.4	0620070
80	75	9.7	78.4	0620025	200	195	20.0	198.4	0620071
80	75	15.0	78.4	0620026	200	195	25.0	198.4	0620072
85	80	9.7	83.4	0620027	210	205	15.0	208.4	0620073
85	80	15.0	83.4	0620028	220	215	15.0	218.4	0620074
90	85	9.7	88.4	0620029	220	215	25.0	218.4	0620075
90	85	15.0	88.4	0620030	225	217	15.0	222.5	0620076
95	90	9.7	93.4	0620031	225	217	25.0	222.5	0620077
95	90	15.0	93.4	0620032	225	220	15.0	223.4	0620078
100	95	9.7	98.4	0620033	225	220	25.0	223.4	0620079
100	95	15.0	98.4	0620034	230	222	15.0	227.5	0620080
105	100	9.7	103.4	0620035	230	225	15.0	228.4	0620081
110	102	25.0	107.5	0620036	240	235	15.0	238.4	0620082
110	105	9.7	108.5	0620037	240	235	20.0	238.4	0620083
110	105	15.0	108.4	0620038	240	235	25.0	238.4	0620084
115	110	9.7	113.4	0620039	250	242	25.0	247.5	0620085
115	110	15.0	113.4	0620040	250	245	15.0	248.4	0620086
120	112	25.0	117.5	0620041	250	245	25.0	248.4	0620087
120	115	9.7	118.4	0620042					
120	115	15.0	118.4	0620043					
125	117	25.0	122.5	0620044					
125	120	9.7	123.4	0620045					
125	120	15.0	123.4	0620046					

Note : PLEASE MENTION PROFILE CODE & MATERIAL CODE FROM "ASPL HYDRAULIC & PNEUMATIC SEALS"
CATALOGUE TOGETHER WITH "ASPL SIZE REF. NO." TO COMPLETE ORDERING INFORMATION.
e.g. F1 EF2 0620019 INDICATES PROFILE F1, MATERIAL FILLED PTFE AND HOUSING SIZE 63 (D) x 58 (d) x 9.7 (L) mm.



U-149, MIDC Hingna Road, Nagpur - 440 016
Tel : +91 7104 - 234210 / 236282, 325094 / Fax : +91 7104 - 232378 /
E-mail : enquiry@ankseals.com / Website : www.ankseals.com

CONTACT US :

Hyderabad Office

6-1-197/2, Ground Floor, Vennalgadda, Behind Sarvotham Care Factory, Jeedimetla, Hyderabad - 500055
Tel : 040 27230334, Email : mvkamath@ankseals.com



Chennai Office

3/334, Anbalagan Street, Palavakkam, Chennai - 600041
Cell : 09840132703, Email : seals@sify.com



Mumbai Office

Shop No 1, Keshav Kunj Complex, Ground Floor, Plot No. 38-39, Sector 30,
Near Sanpada Rly. Station, Vashi, Navi Mumbai - 400705
Ph: 022 32005580

