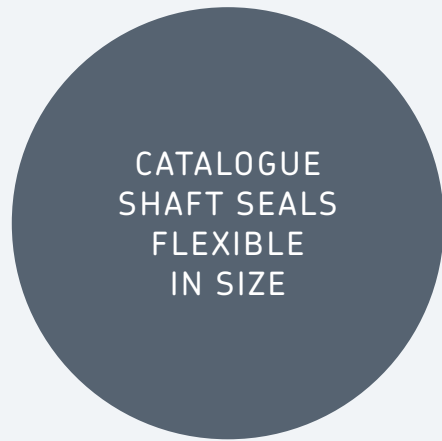
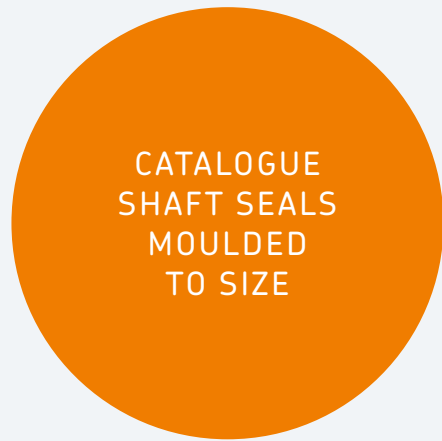


Reinforced shaft seals

Catalogue radial shaft seals for heavy duty industrial applications



Radial shaft seals for heavy industrial applications



Rubber fabric seals

All rubber seals

Rubber fabric seals

Rubber metal seals

Metal-cased rubber seals

Rubber metal seals

Machined seals

Machined seals



Foreword

From catalogue to engineered solutions

SKF created a complete Heavy Industrial Seals (HIS) offer to meet our customer needs. This brochure provides an overview on SKF catalogue heavy industrial shaft seals. The brochure is a guide to seal selection. It provides an introduction to the most important factors to be considered.

The catalogue seal offer has been expanded by complementary offers with size flexibility, customization and engineering services.

Catalogue seals and expanded offer

- HIS flexible in size
- Express service
- Engineered solutions

Catalogue seals for easy retrofit

Catalogue shaft seals moulded to size are manufactured in an efficient moulding process for mid and higher volumes. Please refer to the enclosed size tables in this catalogue. On request SKF tools up additional sizes.

Express service with flexible manufacturing processes

Catalogue shaft seals flexible in size are available in customized main dimensions with minimum order quantity of just one seal and optional express service. Please refer to shaft seals flexible in size.

Engineering service to exceed limits in extreme conditions

Engineered solutions application specific demands are relevant where operating parameters are exceeding the limits of catalogue seals. Please refer to engineered solutions.

SKF heavy industrial seals

- Availability, matching your needs schedule and express service
- Unlimited size range, not limited to listed catalogue part numbers
- Fast and simple installation, reduces risk of failure and resulting downtime
- Highly flexible design options, configured to your requirements
- Improve rotating equipment performance

Heavy duty industrial applications, like in construction equipment, metal, mining, paper, oil drilling or wind turbines can be very challenging for radial shaft seals. In operation, the seals are exposed to a wide range of temperatures, speeds and abrasive contaminants. Besides their generally sturdy designs and often large size, seals for these applications come with some special features to help improve seal performance, reliability and handling.

Typical applications

- Steel and aluminium rolling
- Pulp and paper feeders and paper machine wet section
- Mining and cement machinery
- Traditional energy – coal grinding mills
- Wind turbines
- Tunnel boring machines
- Heavy duty gearboxes
- Special purpose machinery
- Construction machinery

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Designed to the toughest operating conditions



Catalogue shaft seals moulded to size

Catalogue shaft seals moulded to size are manufactured in an efficient moulding process for mid and higher volumes. Typical applications in rough environment in heavy duty operations for large machinery.

Table 1

Seal capabilities	
Size	from 25 to 2 350 mm (from 0.98 to 92.52 in.)
Pressure	max. 0,5 bar (max. 7.25 psi)
TIR	max. \pm 1,025 mm (max. \pm 0.04 in.)
Speed	max. 25 m/s (max. 4 900 ft/min)
Temperature	from -25 to +200 °C (from -13 to +392 °F)
Materials	NBR HNBR FKM

Selection criteria are the internal and external application environment, seal housing designs and the operating parameters such as media, rotating speed, DRO (Dynamic runout) and mis-alignment, operating temperature and pressure. For the seal-system performance it is important to have the right seal, seal counterface conditions, effective lubrication and installation procedures.

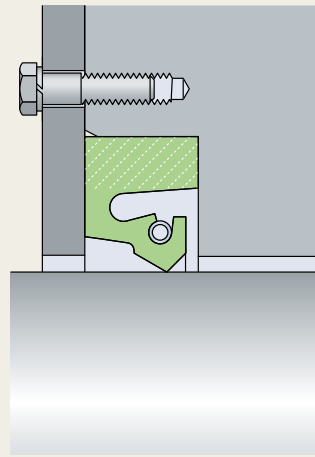
Shaft seals – moulded to size by SKF is a range of seal designs for easy retrofit. The size tables include a selection of available sizes. On request SKF tools up additional sizes. For seals with full size flexibility and express service – even for just one seal – please refer to **page 54 catalogue shaft seals flexible in size.**

For seals with capabilities exceeding the limits (\rightarrow **table 1**) or special customer requirements please refer to *engineered solutions application specific* on **page 56.**

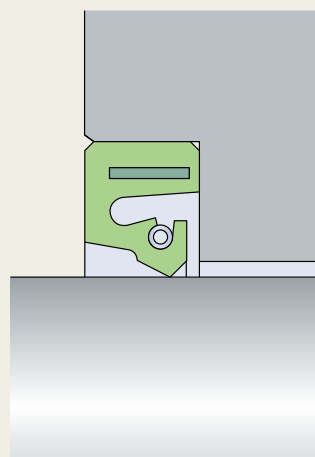
EASY
RETROFIT!

Seal selection

The most important factors to consider for seal selection are:



Housing with cover plate, seal axially clamped



Open housing, seal self-retaining

1. Seal housing designs

The two common housing designs determine the seal selection. Housings with cover plate ensure proper stability by axial clamping for rubber fabric seals. Open housings require a metal reinforced self-retaining seal.

Rubber fabric reinforced (solid + split)

The fabric reinforced rubber seals are available in solid and split executions. The seals are finished oversized to the housing bore to allow proper compression and stability. A cover plate is required to compress the seal within the housing, helping to stabilize the seal. The split seal execution allows seal replacement without shaft removal or dismounting of other machine components.

Rubber metal reinforced

The seals are self-retaining in open housing bores without the use of a cover plate. The metal reinforcement provides the required stability in the housing bore. The L-shape metal reinforcement further increases seal stability e.g. in case of vibrations in the system.

2. Lip features

A garter or finger spring provides the appropriate radial load against the shaft. To avoid the potential risk of losing a spring in blind installations SKF seals feature an optional moulded-in garter spring or the finger spring execution.

3. Re-lubrication features

All seals of the range can be equipped with lubrication grooves at the back of the seal to allow the re-greasing between the sealing lips in back-to-back or tandem installations of two seals. For metal reinforced seals spacer lugs in customized dimensions are available on request.

4. Auxiliary lip

The auxiliary lip on radial shaft seals is an optional feature for increased protection against contaminants. Auxiliary lips are meant for applications in slightly contaminated environment. In an environment with heavy contamination an additional seal with excluding function is highly recommended.

5. Main lip materials

Material selection has a significant impact on seal performance and reliability. Important material properties are resistance to swelling, elasticity, chemical resistance, thermal resistance and low temperature behaviour. Seals are available in nitrile rubber (NBR), hydrogenated nitrile rubber (HNBR) and fluoro rubber (FKM).

The recommended maximum rotating speed for a seal is linked to the thermal resistance of the sealing lip material. Radial force and friction causes elevated temperatures under the sealing lip, which may require increased thermal resistance of the sealing material.

Details about the chemical resistance of the sealing material against the various media can be found in the section "chemical resistance" of SKF publication "10919-Industrial shaft seals".

NBR is a general purpose sealing material with good resistance to most mineral oils and greases, normal fuels such as gasoline, diesel and light heating oils, animal and vegetable oils and hot water. The permissible operating temperature range is +30 to +100 °C (+22 to +210 °F) for brief periods temperatures of up to +120 °C (+250 °F) can be tolerated.

HNBR combines increased wear resistance with increased high-temperature resistance. HNBR additionally features increased resistance to chemical attack, weather, ageing and ozone. Mixtures of oil in air may have a negative effect. The upper operating temperature limit is +150 °C (+300 °F).

FKM features a very good thermal and chemical resistance with very good ageing, weather, UV light and ozone resistance. The upper operating temperature limit is +200 °C (+390 °F).



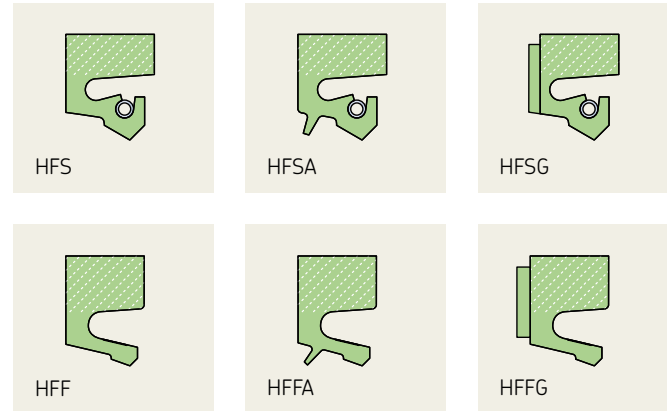
Rubber fabric reinforced (solid + split), seal axially clamped



Rubber metal reinforced, self retaining seal with auxiliary lip

Design overview

HF seals – rubber fabric reinforced



HB and HL seals – rubber metal reinforced



Operating parameters

Material Seal	Temperature		Pressure		Rotating speed			
	from	to	from	to	max.			
	°C		°F		MPa	psi	m/s	ft/min
NBR	-25	+100	-13	+212	0,05	7.25	15	2 950
HNBR	-25	+150	-13	+302	0,05	7.25	20	3 950
FKM	-15	+200	-5	+392	0,05	7.25	25	4 900

High pressure and high speed seals are available as engineered solutions

Seal design configuration

Seal body designs	Reinforcement	Fabric solid	Fabric split (O)	Metal band (B)	L shap metal band (L)
Main construction type		HF	HF	HB	HL
Main lip features	No spring	HF	–	HB	HL
	Garter spring (S)	HFS	HFSO	HBS	HLS
	Garter spring – moulded-in (M)	HFM	–	HBM	HLM
	Finger spring (F)	HFF	HFFO	HBFB	HLF
	Garter spring + Finger spring (SF)	–	–	–	HLSF
	Pressure design (P)	–	–	–	HLP
Re-lub features	Lub groove (G)	HFSG HFMG HFFG	HFSGO	HBSG HBMG HBFG	HLSG HLMG HLFG
	Lugs (L)	–	–	HBSL HBML	HLSL HLML HLSFL
Auxiliary lip	Dust lip (A)	HFSA HFMA HFFA	HFSAO HFFAO	HB SA HBMA HBFA	HLSA HLMA HLSFA
Design variation	1, 2, ...	HFS1	–	–	HLSF1
Main lip material	NBR	R	R	R	R
	HNBR	H	H	H	H
	FKM	V	V	V	V

Designation examples metric and imperial

50x75x10 HFSA V

The metric seal designation shows the dimensions, the design and the material.

208-316-32 HFSA R

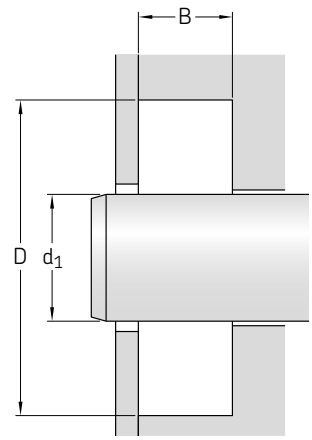
Inch dimensions are coded and separated with an hyphen. See product tables at the following pages.

HFS seals – rubber fabric reinforced

d₁ 25–80 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
25	38	8	0.984	1.496	0.315	NBR	25x38x8 HFS R
						HNBR	25x38x8 HFS H
						FKM	25x38x8 HFS V
25	50	10	0.984	1.969	0.394	NBR	25x50x10 HFS R
						HNBR	25x50x10 HFS H
						FKM	25x50x10 HFS V
28	50	10	1.102	1.969	0.394	NBR	28x50x10 HFS R
						HNBR	28x50x10 HFS H
						FKM	28x50x10 HFS V
30	48	8	1.181	1.890	0.315	NBR	30x48x8 HFS R
						HNBR	30x48x8 HFS H
						FKM	30x48x8 HFS V
30	50	10	1.181	1.969	0.394	NBR	30x50x10 HFS R
						HNBR	30x50x10 HFS H
						FKM	30x50x10 HFS V
30	52	10	1.181	2.047	0.394	NBR	30x52x10 HFS R
						HNBR	30x52x10 HFS H
						FKM	30x52x10 HFS V
30,16	47,72	9,52	1.187	1.879	0.375	NBR	112-156-24 HFS R
						HNBR	112-156-24 HFS H
						FKM	112-156-24 HFS V
35	60	10	1.378	2.362	0.394	NBR	35x60x10 HFS R
						HNBR	35x60x10 HFS H
						FKM	35x60x10 HFS V
38,1	53,98	11,11	1.500	2.125	0.437	NBR	132-208-28 HFS R
						HNBR	132-208-28 HFS H
						FKM	132-208-28 HFS V
42	65	10	1.654	2.559	0.394	NBR	42x65x10 HFS R
						HNBR	42x65x10 HFS H
						FKM	42x65x10 HFS V
44,4	73,1	10	1.748	2.878	0.394	NBR	44,4x73,1x10 HFS R
						HNBR	44,4x73,1x10 HFS H
						FKM	44,4x73,1x10 HFS V
45	60	7	1.772	2.362	0.276	NBR	45x60x7 HFS R
						HNBR	45x60x7 HFS H
						FKM	45x60x7 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
45	62	12	1.772	2.441	0.472	NBR	45x62x12 HFS R
						HNBR	45x62x12 HFS H
						FKM	45x62x12 HFS V
45	62	8	1.772	2.441	0.315	NBR	45x62x8 HFS R
						HNBR	45x62x8 HFS H
						FKM	45x62x8 HFS V
45	62	9	1.772	2.441	0.354	NBR	45x62x9 HFS R
						HNBR	45x62x9 HFS H
						FKM	45x62x9 HFS V
45	72	10	1.772	2.835	0.394	NBR	45x72x10 HFS R
						HNBR	45x72x10 HFS H
						FKM	45x72x10 HFS V
50	70	10	1.969	2.756	0.394	NBR	50x70x10 HFS R
						HNBR	50x70x10 HFS H
						FKM	50x70x10 HFS V
50	72	10	1.969	2.835	0.394	NBR	50x72x10 HFS R
						HNBR	50x72x10 HFS H
						FKM	50x72x10 HFS V
50,8	69,85	12,7	2.000	2.750	0.5	NBR	200-248-32 HFS R
						HNBR	200-248-32 HFS H
						FKM	200-248-32 HFS V
54	74,6	9,5	2.126	2.937	0.374	NBR	54x74,6x9,5 HFS R
						HNBR	54x74,6x9,5 HFS H
						FKM	54x74,6x9,5 HFS V
54	79,4	11	2.126	3.126	0.433	NBR	54x79,4x11 HFS R
						HNBR	54x79,4x11 HFS H
						FKM	54x79,4x11 HFS V
55	70	8	2.165	2.756	0.315	NBR	55x70x8 HFS R
						HNBR	55x70x8 HFS H
						FKM	55x70x8 HFS V
55	72	8	2.165	2.835	0.315	NBR	55x72x8 HFS R
						HNBR	55x72x8 HFS H
						FKM	55x72x8 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
55	76	12	2.165	2.992	0.472	NBR	55x76x12 HFS R
						HNBR	55x76x12 HFS H
						FKM	55x76x12 HFS V
55	80	11	2.165	3.150	0.433	NBR	55x80x11 HFS R
						HNBR	55x80x11 HFS H
						FKM	55x80x11 HFS V
55	80	12	2.165	3.150	0.472	NBR	55x80x12 HFS R
						HNBR	55x80x12 HFS H
						FKM	55x80x12 HFS V
58,7	79,4	9,5	2.313	3.125	0.375	NBR	220-308-24 HFS R
						HNBR	220-308-24 HFS H
						FKM	220-308-24 HFS V
60	80	10	2.362	3.150	0.394	NBR	60x80x10 HFS R
						HNBR	60x80x10 HFS H
						FKM	60x80x10 HFS V
60	85	11	2.362	3.346	0.433	NBR	60x85x11 HFS R
						HNBR	60x85x11 HFS H
						FKM	60x85x11 HFS V
60	86	10	2.362	3.386	0.394	NBR	60x86x10 HFS R
						HNBR	60x86x10 HFS H
						FKM	60x86x10 HFS V
60	90	13	2.362	3.543	0.512	NBR	60x90x13 HFS R
						HNBR	60x90x13 HFS H
						FKM	60x90x13 HFS V
60,33	79,38	9,53	2.375	3.125	0.375	NBR	224-308-24 HFS R
						HNBR	224-308-24 HFS H
						FKM	224-308-24 HFS V
62,5	95	10	2.461	3.740	0.394	NBR	62,5x95x10 HFS R
						HNBR	62,5x95x10 HFS H
						FKM	62,5x95x10 HFS V
65	85	10	2.559	3.346	0.394	NBR	65x85x10 HFS R
						HNBR	65x85x10 HFS H
						FKM	65x85x10 HFS V
65	90	11	2.559	3.543	0.433	NBR	65x90x11 HFS R
						HNBR	65x90x11 HFS H
						FKM	65x90x11 HFS V
65	95	10	2.559	3.740	0.394	NBR	65x95x10 HFS R
						HNBR	65x95x10 HFS H
						FKM	65x95x10 HFS V
65	100	10	2.559	3.937	0.394	NBR	65x100x10 HFS R
						HNBR	65x100x10 HFS H
						FKM	65x100x10 HFS V
66,67	82,55	7,95	2.625	3.250	0.313	NBR	240-316-20 HFS R
						HNBR	240-316-20 HFS H
						FKM	240-316-20 HFS V
69,8	85,7	7,9	2.750	3.375	0.313	NBR	248-324-20 HFS R
						HNBR	248-324-20 HFS H
						FKM	248-324-20 HFS V
69,85	95,25	12,7	2.750	3.750	0.5	NBR	248-348-32 HFS R
						HNBR	248-348-32 HFS H
						FKM	248-348-32 HFS V

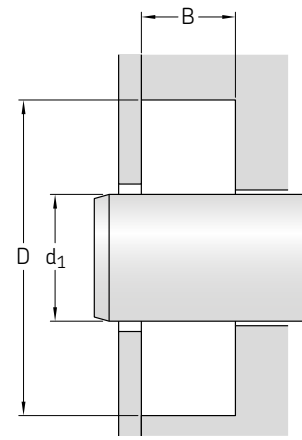
Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
69,85	101,6	12,7	2.750	4.000	0.5	NBR	248-400-32 HFS R
						HNBR	248-400-32 HFS H
						FKM	248-400-32 HFS V
70	90	7	2.756	3.543	0.276	NBR	70x90x7 HFS R
						HNBR	70x90x7 HFS H
						FKM	70x90x7 HFS V
70	90	8	2.756	3.543	0.315	NBR	70x90x8 HFS R
						HNBR	70x90x8 HFS H
						FKM	70x90x8 HFS V
70	105	12,5	2.756	4.134	0.492	NBR	70x105x12,5 HFS R
						HNBR	70x105x12,5 HFS H
						FKM	70x105x12,5 HFS V
70	110	13	2.756	4.331	0.512	NBR	70x110x13 HFS R
						HNBR	70x110x13 HFS H
						FKM	70x110x13 HFS V
72	100	10	2.835	3.937	0.394	NBR	72x100x10 HFS R
						HNBR	72x100x10 HFS H
						FKM	72x100x10 HFS V
73	95	12,5	2.874	3.740	0.492	NBR	73x95x12,5 HFS R
						HNBR	73x95x12,5 HFS H
						FKM	73x95x12,5 HFS V
74,6	92	9,5	2.937	3.622	0.374	NBR	75x92x9,5 HFS R
						HNBR	75x92x9,5 HFS H
						FKM	75x92x9,5 HFS V
75	95	12,5	2.953	3.740	0.492	NBR	75x95x12,5 HFS R
						HNBR	75x95x12,5 HFS H
						FKM	75x95x12,5 HFS V
75	100	12	2.953	3.937	0.472	NBR	75x100x12 HFS R
						HNBR	75x100x12 HFS H
						FKM	75x100x12 HFS V
75	105	15	2.953	4.134	0.591	NBR	75x105x15 HFS R
						HNBR	75x105x15 HFS H
						FKM	75x105x15 HFS V
76,5	113	12	3.012	4.449	0.472	NBR	76,5x113x12 HFS R
						HNBR	76,5x113x12 HFS H
						FKM	76,5x113x12 HFS V
77,5	113	12	3.051	4.449	0.472	NBR	77,5x113x12 HFS R
						HNBR	77,5x113x12 HFS H
						FKM	77,5x113x12 HFS V
80	100	10	3.150	3.937	0.394	NBR	80x100x10 HFS R
						HNBR	80x100x10 HFS H
						FKM	80x100x10 HFS V
80	100	13	3.150	3.937	0.512	NBR	80x100x13 HFS R
						HNBR	80x100x13 HFS H
						FKM	80x100x13 HFS V
80	100	13	3.150	3.937	0.512	NBR	80x100x13 HFS R
						HNBR	80x100x13 HFS H
						FKM	80x100x13 HFS V
80	100	8	3.150	3.937	0.315	NBR	80x100x8 HFS R
						HNBR	80x100x8 HFS H
						FKM	80x100x8 HFS V

HFS seals – rubber fabric reinforced

d₁ 80–110 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
80	112	12,5	3.150	4.409	0.492	NBR	80x112x13 HFS R
						HNBR	80x112x13 HFS H
						FKM	80x112x13 HFS V
80	115	10	3.150	4.528	0.394	NBR	80x115x10 HFS R
						HNBR	80x115x10 HFS H
						FKM	80x115x10 HFS V
82,6	110	12	3.250	4.331	0.472	NBR	82,6x110x12 HFS R
						HNBR	82,6x110x12 HFS H
						FKM	82,6x110x12 HFS V
85	102	13	3.346	4.016	0.512	NBR	85x102x13 HFS R
						HNBR	85x102x13 HFS H
						FKM	85x102x13 HFS V
85	105	10	3.346	4.134	0.394	NBR	85x105x10 HFS R
						HNBR	85x105x10 HFS H
						FKM	85x105x10 HFS V
85	109	12	3.346	4.291	0.472	NBR	85x109x12 HFS R
						HNBR	85x109x12 HFS H
						FKM	85x109x12 HFS V
85	110	12,5	3.346	4.331	0.492	NBR	85x110x13 HFS R
						HNBR	85x110x13 HFS H
						FKM	85x110x13 HFS V
85	117	12,5	3.346	4.606	0.492	NBR	85x117x13 HFS R
						HNBR	85x117x13 HFS H
						FKM	85x117x13 HFS V
85,6	106,4	8,7	3.370	4.188	0.341	NBR	85,6x106,4x8,7 HFS R
						HNBR	85,6x106,4x8,7 HFS H
						FKM	85,6x106,4x8,7 HFS V
88	126	12	3.465	4.961	0.472	NBR	88x126x12 HFS R
						HNBR	88x126x12 HFS H
						FKM	88x126x12 HFS V
88,9	111,1	9,5	3.500	4.375	0.375	NBR	332-424-24 HFS R
						HNBR	332-424-24 HFS H
						FKM	332-424-24 HFS V
88,9	114,3	12,7	3.500	4.500	0.5	NBR	332-432-32 HFS R
						HNBR	332-432-32 HFS H
						FKM	332-432-32 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
88,9	127	14,3	3.500	5.000	0.563	NBR	332-500-36 HFS R
						HNBR	332-500-36 HFS H
						FKM	332-500-36 HFS V
89	113	12	3.504	4.449	0.472	NBR	89x113x12 HFS R
						HNBR	89x113x12 HFS H
						FKM	89x113x12 HFS V
90	110	10	3.543	4.331	0.394	NBR	90x110x10 HFS R
						HNBR	90x110x10 HFS H
						FKM	90x110x10 HFS V
90	110	12	3.543	4.331	0.472	NBR	90x110x12 HFS R
						HNBR	90x110x12 HFS H
						FKM	90x110x12 HFS V
90	110	8	3.543	4.331	0.315	NBR	90x110x8 HFS R
						HNBR	90x110x8 HFS H
						FKM	90x110x8 HFS V
90	115	12	3.543	4.528	0.472	NBR	90x115x12 HFS R
						HNBR	90x115x12 HFS H
						FKM	90x115x12 HFS V
90	120	13	3.543	4.724	0.512	NBR	90x120x13 HFS R
						HNBR	90x120x13 HFS H
						FKM	90x120x13 HFS V
90	130	12	3.543	5.118	0.472	NBR	90x130x12 HFS R
						HNBR	90x130x12 HFS H
						FKM	90x130x12 HFS V
90	130	16	3.543	5.118	0.63	NBR	90x130x16 HFS R
						HNBR	90x130x16 HFS H
						FKM	90x130x16 HFS V
92	120	13	3.622	4.724	0.512	NBR	92x120x13 HFS R
						HNBR	92x120x13 HFS H
						FKM	92x120x13 HFS V
92,08	127	12,7	3.625	5.000	0.5	NBR	340-500-32 HFS R
						HNBR	340-500-32 HFS H
						FKM	340-500-32 HFS V
93	127	13	3.661	5.000	0.512	NBR	93x127x13 HFS R
						HNBR	93x127x13 HFS H
						FKM	93x127x13 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
95	115	10	3.740	4.528	0.394	NBR	95x115x10 HFS R
						HNBR	95x115x10 HFS H
						FKM	95x115x10 HFS V
95	120	10	3.740	4.724	0.394	NBR	95x120x10 HFS R
						HNBR	95x120x10 HFS H
						FKM	95x120x10 HFS V
95	120	13	3.740	4.724	0.512	NBR	95x120x13 HFS R
						HNBR	95x120x13 HFS H
						FKM	95x120x13 HFS V
95	127	12,5	3.740	5.000	0.492	NBR	95x127x13 HFS R
						HNBR	95x127x13 HFS H
						FKM	95x127x13 HFS V
95,25	127	15,88	3.750	5.000	0.625	NBR	348-500-40 HFS R
						HNBR	348-500-40 HFS H
						FKM	348-500-40 HFS V
98	115	9	3.858	4.528	0.354	NBR	98x115x9 HFS R
						HNBR	98x115x9 HFS H
						FKM	98x115x9 HFS V
98	125	13	3.858	4.921	0.512	NBR	98x125x13 HFS R
						HNBR	98x125x13 HFS H
						FKM	98x125x13 HFS V
98,4	123,88	12,7	3.875	4.875	0.5	NBR	356-456-32 HFS R
						HNBR	356-456-32 HFS H
						FKM	356-456-32 HFS V
98,4	136,4	12,7	3.875	5.370	0.5	NBR	98,4x136,4x12,7 HFS R
						HNBR	98,4x136,4x12,7 HFS H
						FKM	98,4x136,4x12,7 HFS V
99,5	127	12,7	3.917	5.000	0.5	NBR	99,5x127x12,7 HFS R
						HNBR	99,5x127x12,7 HFS H
						FKM	99,5x127x12,7 HFS V
100	120	10	3.937	4.724	0.394	NBR	100x120x10 HFS R
						HNBR	100x120x10 HFS H
						FKM	100x120x10 HFS V
100	125	10	3.937	4.921	0.394	NBR	100x125x10 HFS R
						HNBR	100x125x10 HFS H
						FKM	100x125x10 HFS V
100	127	13	3.937	5.000	0.512	NBR	100x127x13 HFS R
						HNBR	100x127x13 HFS H
						FKM	100x127x13 HFS V
100	128,5	9,5	3.937	5.059	0.374	NBR	100x128,5x9,5 HFS R
						HNBR	100x128,5x9,5 HFS H
						FKM	100x128,5x9,5 HFS V
100	130	12	3.937	5.118	0.472	NBR	100x130x12 HFS R
						HNBR	100x130x12 HFS H
						FKM	100x130x12 HFS V
100	130	13	3.937	5.118	0.512	NBR	100x130x13 HFS R
						HNBR	100x130x13 HFS H
						FKM	100x130x13 HFS V
100	130	16	3.937	5.118	0.63	NBR	100x130x16 HFS R
						HNBR	100x130x16 HFS H
						FKM	100x130x16 HFS V

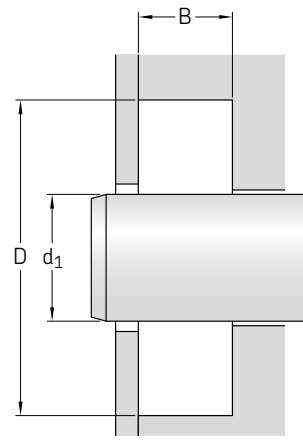
Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
100	140	16	3.937	5.512	0.63	NBR	100x140x16 HFS R
						HNBR	100x140x16 HFS H
						FKM	100x140x16 HFS V
100,01	130,17	15,88	3.938	5.125	0.625	NBR	360-508-40 HFS R
						HNBR	360-508-40 HFS H
						FKM	360-508-40 HFS V
101,6	127	12,7	4.000	5.000	0.5	NBR	400-500-32 HFS R
						HNBR	400-500-32 HFS H
						FKM	400-500-32 HFS V
101,6	133,35	12,7	4.000	5.250	0.5	NBR	400-516-32 HFS R
						HNBR	400-516-32 HFS H
						FKM	400-516-32 HFS V
101,6	142,9	12,7	4.000	5.626	0.5	NBR	400-540-32 HFS R
						HNBR	400-540-32 HFS H
						FKM	400-540-32 HFS V
102,2	134,8	12,4	4.022	5.306	0.488	NBR	102,2x134,8x12,4 HFS R
						HNBR	102,2x134,8x12,4 HFS H
						FKM	102,2x134,8x12,4 HFS V
105	130	12	4.134	5.118	0.472	NBR	105x130x12 HFS R
						HNBR	105x130x12 HFS H
						FKM	105x130x12 HFS V
105	145	16	4.134	5.709	0.63	NBR	105x145x16 HFS R
						HNBR	105x145x16 HFS H
						FKM	105x145x16 HFS V
106,37	139,7	14,3	4.188	5.500	0.563	NBR	412-532-36 HFS R
						HNBR	412-532-36 HFS H
						FKM	412-532-36 HFS V
107,95	133,35	12,7	4.250	5.250	0.5	NBR	416-516-32 HFS R
						HNBR	416-516-32 HFS H
						FKM	416-516-32 HFS V
107,95	138,1	12,7	4.250	5.438	0.5	NBR	416-528-32 HFS R
						HNBR	416-528-32 HFS H
						FKM	416-528-32 HFS V
107,95	138,1	9,52	4.250	5.438	0.375	NBR	416-528-24 HFS R
						HNBR	416-528-24 HFS H
						FKM	416-528-24 HFS V
110	130	9	4.331	5.118	0.354	NBR	110x130x9 HFS R
						HNBR	110x130x9 HFS H
						FKM	110x130x9 HFS V
110	140	15	4.331	5.512	0.591	NBR	110x140x15 HFS R
						HNBR	110x140x15 HFS H
						FKM	110x140x15 HFS V
110	145	19	4.331	5.709	0.748	NBR	110x145x19 HFS R
						HNBR	110x145x19 HFS H
						FKM	110x145x19 HFS V
110	152	15	4.331	5.984	0.591	NBR	110x152x15 HFS R
						HNBR	110x152x15 HFS H
						FKM	110x152x15 HFS V
112,7	139,7	12,7	4.438	5.500	0.5	NBR	428-532-32 HFS R
						HNBR	428-532-32 HFS H
						FKM	428-532-32 HFS V

HFS seals – rubber fabric reinforced

d₁ 112,7–148 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
112,72	139,7	14,27	4,438	5,500	0,563	NBR	428-532-36 HFS R
						HNBR	428-532-36 HFS H
						FKM	428-532-36 HFS V
113	140	13	4,449	5,512	0,512	NBR	113x140x13 HFS R
						HNBR	113x140x13 HFS H
						FKM	113x140x13 HFS V
114,29	139,69	9,52	4,500	5,500	0,375	NBR	432-532-24 HFS R
						HNBR	432-532-24 HFS H
						FKM	432-532-24 HFS V
114,3	152,41	15,88	4,500	6,000	0,625	NBR	432-600-40 HFS R
						HNBR	432-600-40 HFS H
						FKM	432-600-40 HFS V
115	135	10	4,528	5,315	0,394	NBR	115x135x10 HFS R
						HNBR	115x135x10 HFS H
						FKM	115x135x10 HFS V
115	137	9	4,528	5,394	0,354	NBR	115x137x9 HFS R
						HNBR	115x137x9 HFS H
						FKM	115x137x9 HFS V
115	140	12	4,528	5,512	0,472	NBR	115x140x12 HFS R
						HNBR	115x140x12 HFS H
						FKM	115x140x12 HFS V
115	150	10	4,528	5,906	0,394	NBR	115x150x10 HFS R
						HNBR	115x150x10 HFS H
						FKM	115x150x10 HFS V
115	155	16	4,528	6,102	0,63	NBR	115x155x16 HFS R
						HNBR	115x155x16 HFS H
						FKM	115x155x16 HFS V
117,48	146,08	14,3	4,625	5,750	0,563	NBR	440-548-36 HFS R
						HNBR	440-548-36 HFS H
						FKM	440-548-36 HFS V
117,48	152,4	12,7	4,625	6,000	0,5	NBR	440-600-32 HFS R
						HNBR	440-600-32 HFS H
						FKM	440-600-32 HFS V
117,5	142,5	12,5	4,626	5,610	0,492	NBR	117,5x142,5x12,5 HFS R
						HNBR	117,5x142,5x12,5 HFS H
						FKM	117,5x142,5x12,5 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
118	150	15	4,646	5,906	0,591	NBR	118x150x15 HFS R
						HNBR	118x150x15 HFS H
						FKM	118x150x15 HFS V
120	145	15,5	4,724	5,709	0,61	NBR	120x145x15,5 HFS R
						HNBR	120x145x15,5 HFS H
						FKM	120x145x15,5 HFS V
120	145,4	12,7	4,724	5,724	0,5	NBR	120x145,4x12,7 HFS R
						HNBR	120x145,4x12,7 HFS H
						FKM	120x145,4x12,7 HFS V
120	150	13	4,724	5,906	0,512	NBR	120x150x13 HFS R
						HNBR	120x150x13 HFS H
						FKM	120x150x13 HFS V
120	150	15	4,724	5,906	0,591	NBR	120x150x15 HFS R
						HNBR	120x150x15 HFS H
						FKM	120x150x15 HFS V
120	152	16	4,724	5,984	0,63	NBR	120x152x16 HFS R
						HNBR	120x152x16 HFS H
						FKM	120x152x16 HFS V
120,65	152,43	14,3	4,750	6,000	0,563	NBR	448-600-36 HFS R
						HNBR	448-600-36 HFS H
						FKM	448-600-36 HFS V
123,8	149,2	12,7	4,875	5,875	0,5	NBR	456-556-32 HFS R
						HNBR	456-556-32 HFS H
						FKM	456-556-32 HFS V
125	150	13	4,921	5,906	0,512	NBR	125x150x13 HFS R
						HNBR	125x150x13 HFS H
						FKM	125x150x13 HFS V
125	155	12	4,921	6,102	0,472	NBR	125x155x12 HFS R
						HNBR	125x155x12 HFS H
						FKM	125x155x12 HFS V
125	165	16	4,921	6,496	0,63	NBR	125x165x16 HFS R
						HNBR	125x165x16 HFS H
						FKM	125x165x16 HFS V
125	170	13	4,921	6,693	0,512	NBR	125x170x13 HFS R
						HNBR	125x170x13 HFS H
						FKM	125x170x13 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
125,43	158,75	12,7	4,938	6,250	0,5	NBR	460-616-32 HFS R
						HNBR	460-616-32 HFS H
						FKM	460-616-32 HFS V
126	160	15	4,961	6,299	0,591	NBR	126x160x15 HFS R
						HNBR	126x160x15 HFS H
						FKM	126x160x15 HFS V
127	152,4	9,5	5,000	6,000	0,375	NBR	500-600-24 HFS R
						HNBR	500-600-24 HFS H
						FKM	500-600-24 HFS V
127	171,5	15,9	5,000	6,752	0,626	NBR	127x171,5x15,9 HFS R
						HNBR	127x171,5x15,9 HFS H
						FKM	127x171,5x15,9 HFS V
130	155	12,5	5,118	6,102	0,492	NBR	130x155x12,5 HFS R
						HNBR	130x155x12,5 HFS H
						FKM	130x155x12,5 HFS V
130	155	15,5	5,118	6,102	0,61	NBR	130x155x15,5 HFS R
						HNBR	130x155x15,5 HFS H
						FKM	130x155x15,5 HFS V
130	160	15	5,118	6,299	0,591	NBR	130x160x15 HFS R
						HNBR	130x160x15 HFS H
						FKM	130x160x15 HFS V
130	170	10	5,118	6,693	0,394	NBR	130x170x10 HFS R
						HNBR	130x170x10 HFS H
						FKM	130x170x10 HFS V
133,36	171,46	15,88	5,250	6,750	0,625	NBR	516-628-40 HFS R
						HNBR	516-628-40 HFS H
						FKM	516-628-40 HFS V
135	155	12	5,315	6,102	0,472	NBR	135x155x12 HFS R
						HNBR	135x155x12 HFS H
						FKM	135x155x12 HFS V
135	165	12	5,315	6,496	0,472	NBR	135x165x12 HFS R
						HNBR	135x165x12 HFS H
						FKM	135x165x12 HFS V
135	170	12	5,315	6,693	0,472	NBR	135x170x12 HFS R
						HNBR	135x170x12 HFS H
						FKM	135x170x12 HFS V
135	170	15	5,315	6,693	0,591	NBR	135x170x15 HFS R
						HNBR	135x170x15 HFS H
						FKM	135x170x15 HFS V
136,53	161,93	12,7	5,375	6,375	0,5	NBR	524-624-32 HFS R
						HNBR	524-624-32 HFS H
						FKM	524-624-32 HFS V
139,7	171,45	15,88	5,500	6,750	0,625	NBR	532-648-40 HFS R
						HNBR	532-648-40 HFS H
						FKM	532-648-40 HFS V
139,7	177,8	15,88	5,500	7,000	0,625	NBR	532-700-40 HFS R
						HNBR	532-700-40 HFS H
						FKM	532-700-40 HFS V
140	159	10	5,512	6,260	0,394	NBR	140x159x10 HFS R
						HNBR	140x159x10 HFS H
						FKM	140x159x10 HFS V

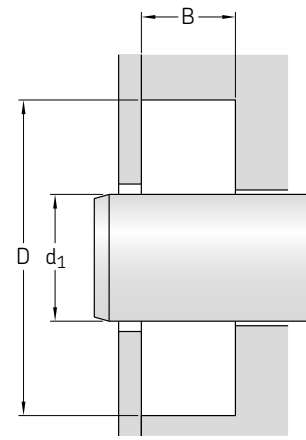
Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
140	165	12	5,512	6,496	0,472	NBR	140x165x12 HFS R
						HNBR	140x165x12 HFS H
						FKM	140x165x12 HFS V
140	170	12	5,512	6,693	0,472	NBR	140x170x12 HFS R
						HNBR	140x170x12 HFS H
						FKM	140x170x12 HFS V
140	170	15	5,512	6,693	0,591	NBR	140x170x15 HFS R
						HNBR	140x170x15 HFS H
						FKM	140x170x15 HFS V
140	170	16	5,512	6,693	0,63	NBR	140x170x16 HFS R
						HNBR	140x170x16 HFS H
						FKM	140x170x16 HFS V
140	175	15	5,512	6,890	0,591	NBR	140x175x15 HFS R
						HNBR	140x175x15 HFS H
						FKM	140x175x15 HFS V
140	178	16	5,512	7,008	0,63	NBR	140x178x16 HFS R
						HNBR	140x178x16 HFS H
						FKM	140x178x16 HFS V
140	180	16	5,512	7,087	0,63	NBR	140x180x16 HFS R
						HNBR	140x180x16 HFS H
						FKM	140x180x16 HFS V
143	165	10	5,630	6,496	0,394	NBR	143x165x10 HFS R
						HNBR	143x165x10 HFS H
						FKM	143x165x10 HFS V
143	165	12	5,630	6,496	0,472	NBR	143x165x12 HFS R
						HNBR	143x165x12 HFS H
						FKM	143x165x12 HFS V
145	174	14	5,709	6,850	0,551	NBR	145x174x14 HFS R
						HNBR	145x174x14 HFS H
						FKM	145x174x14 HFS V
145	185	16	5,709	7,283	0,63	NBR	145x185x16 HFS R
						HNBR	145x185x16 HFS H
						FKM	145x185x16 HFS V
146	177,8	15,9	5,748	7,000	0,626	NBR	146x177,8x15,9 HFS R
						HNBR	146x177,8x15,9 HFS H
						FKM	146x177,8x15,9 HFS V
146	178	16	5,748	7,008	0,63	NBR	146x178x16 HFS R
						HNBR	146x178x16 HFS H
						FKM	146x178x16 HFS V
148	170	16	5,827	6,693	0,63	NBR	148x170x16 HFS R
						HNBR	148x170x16 HFS H
						FKM	148x170x16 HFS V
150	170	15	5,906	6,693	0,591	NBR	150x170x15 HFS R
						HNBR	150x170x15 HFS H
						FKM	150x170x15 HFS V
150	180	14	5,906	7,087	0,551	NBR	150x180x14 HFS R
						HNBR	150x180x14 HFS H
						FKM	150x180x14 HFS V
150	182	16	5,906	7,165	0,63	NBR	150x182x16 HFS R
						HNBR	150x182x16 HFS H
						FKM	150x182x16 HFS V

HFS seals – rubber fabric reinforced

d₁ 150–190 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
150	190	16	5.906	7.480	0.63	NBR	150x190x16 HFS R
						HNBR	150x190x16 HFS H
						FKM	150x190x16 HFS V
150,81	177,8	14,28	5.938	7.000	0.563	NBR	560-700-36 HFS R
						HNBR	560-700-36 HFS H
						FKM	560-700-36 HFS V
152	181	12,5	5.984	7.126	0.492	NBR	152x181x12,5 HFS R
						HNBR	152x181x12,5 HFS H
						FKM	152x181x12,5 HFS V
152,4	181	12,7	6.000	7.125	0.5	NBR	600-708-32 HFS R
						HNBR	600-708-32 HFS H
						FKM	600-708-32 HFS V
155	180	12,5	6.102	7.087	0.492	NBR	155x180x13 HFS R
						HNBR	155x180x13 HFS H
						FKM	155x180x13 HFS V
155	190	15	6.102	7.480	0.591	NBR	155x190x15 HFS R
						HNBR	155x190x15 HFS H
						FKM	155x190x15 HFS V
155	195	16	6.102	7.677	0.63	NBR	155x195x16 HFS R
						HNBR	155x195x16 HFS H
						FKM	155x195x16 HFS V
155	215	20	6.102	8.465	0.787	NBR	155x215x20 HFS R
						HNBR	155x215x20 HFS H
						FKM	155x215x20 HFS V
156	200	16	6.142	7.874	0.63	NBR	156x200x16 HFS R
						HNBR	156x200x16 HFS H
						FKM	156x200x16 HFS V
158	180	15	6.220	7.087	0.591	NBR	158x180x15 HFS R
						HNBR	158x180x15 HFS H
						FKM	158x180x15 HFS V
160	185	10	6.299	7.283	0.394	NBR	160x185x10 HFS R
						HNBR	160x185x10 HFS H
						FKM	160x185x10 HFS V
160	188	21	6.299	7.402	0.827	NBR	160x188x21 HFS R
						HNBR	160x188x21 HFS H
						FKM	160x188x21 HFS V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
160	190	15	6.299	7.480	0.591	NBR	160x190x15 HFS R
						HNBR	160x190x15 HFS H
						FKM	160x190x15 HFS V
160	190	16	6.299	7.480	0.63	NBR	160x190x16 HFS R
						HNBR	160x190x16 HFS H
						FKM	160x190x16 HFS V
160	200	15	6.299	7.874	0.591	NBR	160x200x15 HFS R
						HNBR	160x200x15 HFS H
						FKM	160x200x15 HFS V
160	200	16	6.299	7.874	0.63	NBR	160x200x16 HFS R
						HNBR	160x200x16 HFS H
						FKM	160x200x16 HFS V
162	190	12	6.378	7.480	0.472	NBR	162x190x12 HFS R
						HNBR	162x190x12 HFS H
						FKM	162x190x12 HFS V
162	202	16	6.378	7.953	0.63	NBR	162x202x16 HFS R
						HNBR	162x202x16 HFS H
						FKM	162x202x16 HFS V
165	190	13	6.496	7.480	0.512	NBR	165x190x13 HFS R
						HNBR	165x190x13 HFS H
						FKM	165x190x13 HFS V
165	190	15	6.496	7.480	0.591	NBR	165x190x15 HFS R
						HNBR	165x190x15 HFS H
						FKM	165x190x15 HFS V
165	200	15	6.496	7.874	0.591	NBR	165x200x15 HFS R
						HNBR	165x200x15 HFS H
						FKM	165x200x15 HFS V
165	205	16	6.496	8.071	0.63	NBR	165x205x16 HFS R
						HNBR	165x205x16 HFS H
						FKM	165x205x16 HFS V
165,1	203,2	19,1	6.500	8.000	0.75	NBR	632-800-48 HFS R
						HNBR	632-800-48 HFS H
						FKM	632-800-48 HFS V
168	196,9	19,1	6.614	7.750	0.75	NBR	168x196,9x19,1 HFS R
						HNBR	168x196,9x19,1 HFS H
						FKM	168x196,9x19,1 HFS V

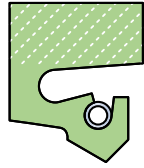
Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
168,3	206,4	17,5	6.625	8.125	0.688	NBR	640-808-44 HFS R
						HNBR	640-808-44 HFS H
						FKM	640-808-44 HFS V
170	200	12	6.693	7.874	0.472	NBR	170x200x12 HFS R
						HNBR	170x200x12 HFS H
						FKM	170x200x12 HFS V
170	200	15	6.693	7.874	0.591	NBR	170x200x15 HFS R
						HNBR	170x200x15 HFS H
						FKM	170x200x15 HFS V
170	200	16	6.693	7.874	0.63	NBR	170x200x16 HFS R
						HNBR	170x200x16 HFS H
						FKM	170x200x16 HFS V
170	210	16	6.693	8.268	0.63	NBR	170x210x16 HFS R
						HNBR	170x210x16 HFS H
						FKM	170x210x16 HFS V
170,26	202	12,7	6.703	7.953	0.5	NBR	645-761-32 HFS R
						HNBR	645-761-32 HFS H
						FKM	645-761-32 HFS V
171,5	197	17,5	6.750	7.756	0.689	NBR	171,5x197x17,5 HFS R
						HNBR	171,5x197x17,5 HFS H
						FKM	171,5x197x17,5 HFS V
175	213,1	19,1	6.890	8.390	0.75	NBR	175x213,1x19,1 HFS R
						HNBR	175x213,1x19,1 HFS H
						FKM	175x213,1x19,1 HFS V
177,81	209,55	19,1	7.000	8.250	0.75	NBR	700-816-48 HFS R
						HNBR	700-816-48 HFS H
						FKM	700-816-48 HFS V
177,81	215,91	15,88	7.000	8.500	0.625	NBR	700-832-40 HFS R
						HNBR	700-832-40 HFS H
						FKM	700-832-40 HFS V
178	205	11	7.008	8.071	0.433	NBR	178x205x11 HFS R
						HNBR	178x205x11 HFS H
						FKM	178x205x11 HFS V
179	219	16	7.047	8.622	0.63	NBR	179x219x16 HFS R
						HNBR	179x219x16 HFS H
						FKM	179x219x16 HFS V
179,38	219,06	15,88	7.063	8.625	0.625	NBR	704-840-40 HFS R
						HNBR	704-840-40 HFS H
						FKM	704-840-40 HFS V
180	200	15	7.087	7.874	0.591	NBR	180x200x15 HFS R
						HNBR	180x200x15 HFS H
						FKM	180x200x15 HFS V
180	200	16	7.087	7.874	0.63	NBR	180x200x16 HFS R
						HNBR	180x200x16 HFS H
						FKM	180x200x16 HFS V
180	205	11	7.087	8.071	0.433	NBR	180x205x11 HFS R
						HNBR	180x205x11 HFS H
						FKM	180x205x11 HFS V
180	210	12	7.087	8.268	0.472	NBR	180x210x12 HFS R
						HNBR	180x210x12 HFS H
						FKM	180x210x12 HFS V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
180	210	14	7.087	8.268	0.551	NBR	180x210x14 HFS R
						HNBR	180x210x14 HFS H
						FKM	180x210x14 HFS V
180	210	15	7.087	8.268	0.591	NBR	180x210x15 HFS R
						HNBR	180x210x15 HFS H
						FKM	180x210x15 HFS V
180	210	16	7.087	8.268	0.63	NBR	180x210x16 HFS R
						HNBR	180x210x16 HFS H
						FKM	180x210x16 HFS V
180,98	209,55	19,1	7.125	8.250	0.75	NBR	708-816-48 HFS R
						HNBR	708-816-48 HFS H
						FKM	708-816-48 HFS V
181	219	15	7.126	8.622	0.591	NBR	181x219x15 HFS R
						HNBR	181x219x15 HFS H
						FKM	181x219x15 HFS V
184,15	215,9	19,1	7.250	8.500	0.75	NBR	716-832-48 HFS R
						HNBR	716-832-48 HFS H
						FKM	716-832-48 HFS V
188	215	16	7.402	8.465	0.63	NBR	188x215x16 HFS R
						HNBR	188x215x16 HFS H
						FKM	188x215x16 HFS V
190	220	15	7.480	8.661	0.591	NBR	190x220x15 HFS R
						HNBR	190x220x15 HFS H
						FKM	190x220x15 HFS V
190	220,4	12,7	7.480	8.677	0.5	NBR	190x220,4x12,7 HFS R
						HNBR	190x220,4x12,7 HFS H
						FKM	190x220,4x12,7 HFS V
190	225	16	7.480	8.858	0.63	NBR	190x225x16 HFS R
						HNBR	190x225x16 HFS H
						FKM	190x225x16 HFS V
190	225	18	7.480	8.858	0.709	NBR	190x225x18 HFS R
						HNBR	190x225x18 HFS H
						FKM	190x225x18 HFS V
190	230	16	7.480	9.055	0.63	NBR	190x230x16 HFS R
						HNBR	190x230x16 HFS H
						FKM	190x230x16 HFS V
190	230	17	7.480	9.055	0.669	NBR	190x230x17 HFS R
						HNBR	190x230x17 HFS H
						FKM	190x230x17 HFS V
190	235	16	7.480	9.252	0.63	NBR	190x235x16 HFS R
						HNBR	190x235x16 HFS H
						FKM	190x235x16 HFS V
190,5	215,9	15,7	7.500	8.500	0.618	NBR	190,5x215,9x15,7 HFS R
						HNBR	190,5x215,9x15,7 HFS H
						FKM	190,5x215,9x15,7 HFS V
195	233,1	19,1	7.677	9.177	0.752	NBR	195x233,1x19,1 HFS R
						HNBR	195x233,1x19,1 HFS H
						FKM	195x233,1x19,1 HFS V
195	235	16	7.677	9.252	0.63	NBR	195x235x16 HFS R
						HNBR	195x235x16 HFS H
						FKM	195x235x16 HFS V

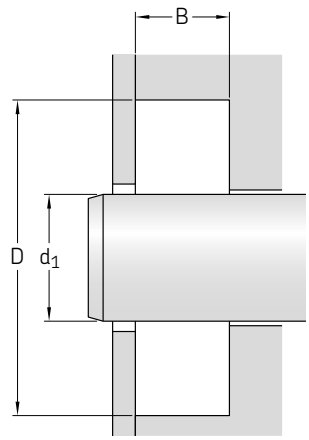


HFS seals – rubber fabric reinforced

d₁ 190–239,71 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
195,26	234,94	15,88	7,688	9,250	0,625	NBR	744-916-40 HFS R
						HNBR	744-916-40 HFS H
						FKM	744-916-40 HFS V
196,85	238,12	15,88	7,750	9,375	0,625	NBR	748-924-40 HFS R
						HNBR	748-924-40 HFS H
						FKM	748-924-40 HFS V
197	236	16	7,756	9,291	0,63	NBR	197x236x16 HFS R
						HNBR	197x236x16 HFS H
						FKM	197x236x16 HFS V
200	225	15	7,874	8,858	0,591	NBR	200x225x15 HFS R
						HNBR	200x225x15 HFS H
						FKM	200x225x15 HFS V
200	230	16	7,874	9,055	0,63	NBR	200x230x16 HFS R
						HNBR	200x230x16 HFS H
						FKM	200x230x16 HFS V
200	231,74	15,88	7,875	9,125	0,625	NBR	756-908-40 HFS R
						HNBR	756-908-40 HFS H
						FKM	756-908-40 HFS V
200	238	19	7,874	9,370	0,748	NBR	200x238x19 HFS R
						HNBR	200x238x19 HFS H
						FKM	200x238x19 HFS V
200	238,1	18	7,874	9,375	0,709	NBR	200x238,1x18 HFS R
						HNBR	200x238,1x18 HFS H
						FKM	200x238,1x18 HFS V
200	240	16	7,874	9,449	0,63	NBR	200x240x16 HFS R
						HNBR	200x240x16 HFS H
						FKM	200x240x16 HFS V
200	240	20	7,874	9,449	0,787	NBR	200x240x20 HFS R
						HNBR	200x240x20 HFS H
						FKM	200x240x20 HFS V
200	260	16	7,874	10,236	0,63	NBR	200x260x16 HFS R
						HNBR	200x260x16 HFS H
						FKM	200x260x16 HFS V
200,02	238,12	19,1	7,875	9,375	0,75	NBR	756-924-48 HFS R
						HNBR	756-924-48 HFS H
						FKM	756-924-48 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
200,02	239,7	15,88	7,875	9,438	0,625	NBR	756-928-40 HFS R
						HNBR	756-928-40 HFS H
						FKM	756-928-40 HFS V
200,08	238,12	17,45	7,875	9,375	0,688	NBR	756-924-44 HFS R
						HNBR	756-924-44 HFS H
						FKM	756-924-44 HFS V
205	245	16	8,071	9,646	0,63	NBR	205x245x16 HFS R
						HNBR	205x245x16 HFS H
						FKM	205x245x16 HFS V
209,5	235	15,8	8,248	9,252	0,622	NBR	209,5x235x15,8 HFS R
						HNBR	209,5x235x15,8 HFS H
						FKM	209,5x235x15,8 HFS V
209,55	250,03	15,88	8,250	9,844	0,625	NBR	816-954-40 HFS R
						HNBR	816-954-40 HFS H
						FKM	816-954-40 HFS V
210	240	12	8,268	9,449	0,472	NBR	210x240x12 HFS R
						HNBR	210x240x12 HFS H
						FKM	210x240x12 HFS V
210	240	15	8,268	9,449	0,591	NBR	210x240x15 HFS R
						HNBR	210x240x15 HFS H
						FKM	210x240x15 HFS V
210	245	18	8,268	9,646	0,709	NBR	210x245x18 HFS R
						HNBR	210x245x18 HFS H
						FKM	210x245x18 HFS V
210	250	16	8,268	9,843	0,63	NBR	210x250x16 HFS R
						HNBR	210x250x16 HFS H
						FKM	210x250x16 HFS V
210	250	20	8,268	9,843	0,787	NBR	210x250x20 HFS R
						HNBR	210x250x20 HFS H
						FKM	210x250x20 HFS V
212,7	247,6	15,8	8,374	9,748	0,622	NBR	212,7x247,6x15,8 HFS R
						HNBR	212,7x247,6x15,8 HFS H
						FKM	212,7x247,6x15,8 HFS V
212,72	250,82	15,88	8,375	9,875	0,625	NBR	824-956-40 HFS R
						HNBR	824-956-40 HFS H
						FKM	824-956-40 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
215	240	12	8,465	9,449	0,472	NBR	215x240x12 HFS R
						HNBR	215x240x12 HFS H
						FKM	215x240x12 HFS V
215	248	15	8,465	9,764	0,591	NBR	215x248x15 HFS R
						HNBR	215x248x15 HFS H
						FKM	215x248x15 HFS V
215	250	16	8,465	9,843	0,63	NBR	215x250x16 HFS R
						HNBR	215x250x16 HFS H
						FKM	215x250x16 HFS V
215,8	247,6	19	8,496	9,748	0,748	NBR	215,8x247,6x19 HFS R
						HNBR	215,8x247,6x19 HFS H
						FKM	215,8x247,6x19 HFS V
215,9	254	15,88	8,500	10,000	0,625	NBR	832-1000-40 HFS R
						HNBR	832-1000-40 HFS H
						FKM	832-1000-40 HFS V
215,9	254	19,1	8,500	10,000	0,75	NBR	832-1000-48 HFS R
						HNBR	832-1000-48 HFS H
						FKM	832-1000-48 HFS V
216	254	16	8,504	10,000	0,63	NBR	216x254x16 HFS R
						HNBR	216x254x16 HFS H
						FKM	216x254x16 HFS V
219	250	12	8,622	9,843	0,472	NBR	219x250x12 HFS R
						HNBR	219x250x12 HFS H
						FKM	219x250x12 HFS V
220	225	18	8,661	8,858	0,709	NBR	220x225x18 HFS R
						HNBR	220x225x18 HFS H
						FKM	220x225x18 HFS V
220	240	16	8,661	9,449	0,63	NBR	220x240x16 HFS R
						HNBR	220x240x16 HFS H
						FKM	220x240x16 HFS V
220	250	12	8,661	9,843	0,472	NBR	220x250x12 HFS R
						HNBR	220x250x12 HFS H
						FKM	220x250x12 HFS V
220	250	15	8,661	9,843	0,591	NBR	220x250x15 HFS R
						HNBR	220x250x15 HFS H
						FKM	220x250x15 HFS V
220	250	16	8,661	9,843	0,63	NBR	220x250x16 HFS R
						HNBR	220x250x16 HFS H
						FKM	220x250x16 HFS V
220	255	18	8,661	10,039	0,709	NBR	220x255x18 HFS R
						HNBR	220x255x18 HFS H
						FKM	220x255x18 HFS V
220	260	15	8,661	10,236	0,591	NBR	220x260x15 HFS R
						HNBR	220x260x15 HFS H
						FKM	220x260x15 HFS V
220	260	16	8,661	10,236	0,63	NBR	220x260x16 HFS R
						HNBR	220x260x16 HFS H
						FKM	220x260x16 HFS V
220	260	20	8,661	10,236	0,787	NBR	220x260x20 HFS R
						HNBR	220x260x20 HFS H
						FKM	220x260x20 HFS V

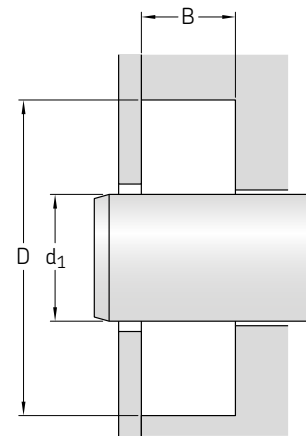
Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
225	265	16	8,858	10,433	0,63	NBR	225x265x16 HFS R
						HNBR	225x265x16 HFS H
						FKM	225x265x16 HFS V
226	250	12,5	8,898	9,843	0,492	NBR	226x250x13 HFS R
						HNBR	226x250x13 HFS H
						FKM	226x250x13 HFS V
226,1	270	16	8,902	10,630	0,63	NBR	226,1x270x16 HFS R
						HNBR	226,1x270x16 HFS H
						FKM	226,1x270x16 HFS V
229	267	19	9,016	10,512	0,748	NBR	229x267x19 HFS R
						HNBR	229x267x19 HFS H
						FKM	229x267x19 HFS V
230	260	12,5	9,055	10,236	0,492	NBR	230x260x13 HFS R
						HNBR	230x260x13 HFS H
						FKM	230x260x13 HFS V
230	260	15	9,055	10,236	0,591	NBR	230x260x15 HFS R
						HNBR	230x260x15 HFS H
						FKM	230x260x15 HFS V
230	262	15	9,055	10,315	0,591	NBR	230x262x15 HFS R
						HNBR	230x262x15 HFS H
						FKM	230x262x15 HFS V
230	265	20	9,055	10,433	0,787	NBR	230x265x20 HFS R
						HNBR	230x265x20 HFS H
						FKM	230x265x20 HFS V
230	270	20	9,055	10,630	0,787	NBR	230x270x20 HFS R
						HNBR	230x270x20 HFS H
						FKM	230x270x20 HFS V
230	280	20	9,055	11,024	0,787	NBR	230x280x20 HFS R
						HNBR	230x280x20 HFS H
						FKM	230x280x20 HFS V
235	267	15	9,252	10,512	0,591	NBR	235x267x15 HFS R
						HNBR	235x267x15 HFS H
						FKM	235x267x15 HFS V
239,71	274,63	17,85	9,438	10,813	0,703	NBR	928-1052-45 HFS R
						HNBR	928-1052-45 HFS H
						FKM	928-1052-45 HFS V
240	265	12,5	9,449	10,433	0,492	NBR	240x265x13 HFS R
						HNBR	240x265x13 HFS H
						FKM	240x265x13 HFS V
240	270	13,5	9,449	10,630	0,531	NBR	240x270x14 HFS R
						HNBR	240x270x14 HFS H
						FKM	240x270x14 HFS V
240	275	18	9,449	10,827	0,709	NBR	240x275x18 HFS R
						HNBR	240x275x18 HFS H
						FKM	240x275x18 HFS V
240	280	16	9,449	11,024	0,63	NBR	240x280x16 HFS R
						HNBR	240x280x16 HFS H
						FKM	240x280x16 HFS V
240	280	20	9,449	11,024	0,787	NBR	240x280x20 HFS R
						HNBR	240x280x20 HFS H
						FKM	240x280x20 HFS V

HFS seals – rubber fabric reinforced

d₁ 240–279,4 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
241	279	19	9.488	10.984	0.748	NBR	241x279x19 HFS R
						HNBR	241x279x19 HFS H
						FKM	241x279x19 HFS V
241,3	273	15,8	9.500	10.748	0.622	NBR	241,3x273x15,8 HFS R
						HNBR	241,3x273x15,8 HFS H
						FKM	241,3x273x15,8 HFS V
241,3	279,4	15,88	9.500	11.000	0.625	NBR	932-1100-40 HFS R
						HNBR	932-1100-40 HFS H
						FKM	932-1100-40 HFS V
241,31	279,41	17,46	9.500	11.000	0.688	NBR	932-1100-44 HFS R
						HNBR	932-1100-44 HFS H
						FKM	932-1100-44 HFS V
241,3	279,4	19,1	9.500	11.000	0.75	NBR	932-1100-48 HFS R
						HNBR	932-1100-48 HFS H
						FKM	932-1100-48 HFS V
245	285	16	9.646	11.220	0.63	NBR	245x285x16 HFS R
						HNBR	245x285x16 HFS H
						FKM	245x285x16 HFS V
245	288	16	9.646	11.339	0.63	NBR	245x288x16 HFS R
						HNBR	245x288x16 HFS H
						FKM	245x288x16 HFS V
249,23	289,71	15,88	9.813	11.406	0.625	NBR	952-1126-40 HFS R
						HNBR	952-1126-40 HFS H
						FKM	952-1126-40 HFS V
250	275,4	12,7	9.844	10.844	0.5	NBR	954-1054-32 HFS R
						HNBR	954-1054-32 HFS H
						FKM	954-1054-32 HFS V
250	280	12	9.843	11.024	0.472	NBR	250x280x12 HFS R
						HNBR	250x280x12 HFS H
						FKM	250x280x12 HFS V
250	280	15	9.843	11.024	0.591	NBR	250x280x15 HFS R
						HNBR	250x280x15 HFS H
						FKM	250x280x15 HFS V
250	285	18	9.843	11.220	0.709	NBR	250x285x18 HFS R
						HNBR	250x285x18 HFS H
						FKM	250x285x18 HFS V

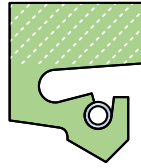
Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
250	288	19,1	9.843	11.339	0.75	NBR	250x288x19 HFS R
						HNBR	250x288x19 HFS H
						FKM	250x288x19 HFS V
250	290	16	9.843	11.417	0.63	NBR	250x290x16 HFS R
						HNBR	250x290x16 HFS H
						FKM	250x290x16 HFS V
250,8	290	15,88	9.875	11.417	0.625	NBR	250,8x290x15,9 HFS R
						HNBR	250,8x290x15,9 HFS H
						FKM	250,8x290x15,9 HFS V
250,82	290,5	15,88	9.875	11.438	0.625	NBR	956-1128-40 HFS R
						HNBR	956-1128-40 HFS H
						FKM	956-1128-40 HFS V
254	279,4	15	10.000	11.000	0.591	NBR	254x279x15 HFS R
						HNBR	254x279x15 HFS H
						FKM	254x279x15 HFS V
254	280	15	10.000	11.024	0.591	NBR	254x280x15 HFS R
						HNBR	254x280x15 HFS H
						FKM	254x280x15 HFS V
254	292,1	15,88	10.000	11.500	0.625	NBR	1000-1132-40 HFS R
						HNBR	1000-1132-40 HFS H
						FKM	1000-1132-40 HFS V
255	290	16	10.039	11.417	0.63	NBR	255x290x16 HFS R
						HNBR	255x290x16 HFS H
						FKM	255x290x16 HFS V
255	299	20	10.039	11.772	0.787	NBR	255x299x20 HFS R
						HNBR	255x299x20 HFS H
						FKM	255x299x20 HFS V
258	290	16	10.157	11.417	0.63	NBR	258x290x16 HFS R
						HNBR	258x290x16 HFS H
						FKM	258x290x16 HFS V
260	290	16	10.236	11.417	0.63	NBR	260x290x16 HFS R
						HNBR	260x290x16 HFS H
						FKM	260x290x16 HFS V
260	295	17	10.236	11.614	0.669	NBR	260x295x17 HFS R
						HNBR	260x295x17 HFS H
						FKM	260x295x17 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
260	298	17	10.236	11.732	0.669	NBR	260x298x17 HFS R
						HNBR	260x298x17 HFS H
						FKM	260x298x17 HFS V
260	300	14,4	10.236	11.811	0.567	NBR	260x300x14,4 HFS R
						HNBR	260x300x14,4 HFS H
						FKM	260x300x14,4 HFS V
260	300	18	10.236	11.811	0.709	NBR	260x300x18 HFS R
						HNBR	260x300x18 HFS H
						FKM	260x300x18 HFS V
260	300	20	10.236	11.811	0.787	NBR	260x300x20 HFS R
						HNBR	260x300x20 HFS H
						FKM	260x300x20 HFS V
260	304	19,1	10.236	11.969	0.75	NBR	260x304x19 HFS R
						HNBR	260x304x19 HFS H
						FKM	260x304x19 HFS V
260	304	20	10.236	11.969	0.787	NBR	260x304x20 HFS R
						HNBR	260x304x20 HFS H
						FKM	260x304x20 HFS V
260	305	16	10.236	12.008	0.63	NBR	260x305x16 HFS R
						HNBR	260x305x16 HFS H
						FKM	260x305x16 HFS V
260,3	298,6	19,1	10.248	11.756	0.75	NBR	260,3x298,6x19 HFS R
						HNBR	260,3x298,6x19 HFS H
						FKM	260,3x298,6x19 HFS V
260,35	300,03	19,84	10.250	11.813	0.781	NBR	1016-1152-50 HFS R
						HNBR	1016-1152-50 HFS H
						FKM	1016-1152-50 HFS V
260,35	311,15	15,88	10.250	12.250	0.625	NBR	1016-1216-40 HFS R
						HNBR	1016-1216-40 HFS H
						FKM	1016-1216-40 HFS V
261	311	16	10.276	12.244	0.63	NBR	261x311x16 HFS R
						HNBR	261x311x16 HFS H
						FKM	261x311x16 HFS V
264	310	13	10.394	12.205	0.512	NBR	264x310x13 HFS R
						HNBR	264x310x13 HFS H
						FKM	264x310x13 HFS V
265	295	15	10.433	11.614	0.591	NBR	265x295x15 HFS R
						HNBR	265x295x15 HFS H
						FKM	265x295x15 HFS V
265	309	20	10.433	12.165	0.787	NBR	265x309x20 HFS R
						HNBR	265x309x20 HFS H
						FKM	265x309x20 HFS V
265	310	16	10.433	12.205	0.63	NBR	265x310x16 HFS R
						HNBR	265x310x16 HFS H
						FKM	265x310x16 HFS V
265	310	22	10.433	12.205	0.866	NBR	265x310x22 HFS R
						HNBR	265x310x22 HFS H
						FKM	265x310x22 HFS V
266,7	304,8	17,4	10.500	12.000	0.688	NBR	1032-1200-44 HFS R
						HNBR	1032-1200-44 HFS H
						FKM	1032-1200-44 HFS V

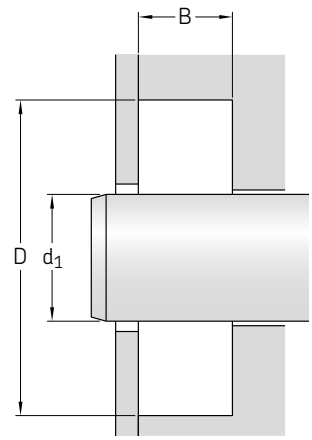
Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
266,7	311,15	19,1	10.500	12.250	0.75	NBR	1032-1216-48 HFS R
						HNBR	1032-1216-48 HFS H
						FKM	1032-1216-48 HFS V
270	310	16	10.630	12.205	0.63	NBR	270x310x16 HFS R
						HNBR	270x310x16 HFS H
						FKM	270x310x16 HFS V
270	310	20	10.630	12.205	0.787	NBR	270x310x20 HFS R
						HNBR	270x310x20 HFS H
						FKM	270x310x20 HFS V
270	314	20	10.630	12.362	0.787	NBR	270x314x20 HFS R
						HNBR	270x314x20 HFS H
						FKM	270x314x20 HFS V
272	304	16	10.709	11.969	0.63	NBR	272x304x16 HFS R
						HNBR	272x304x16 HFS H
						FKM	272x304x16 HFS V
274,8	320	15	10.819	12.598	0.591	NBR	274,8x320x15 HFS R
						HNBR	274,8x320x15 HFS H
						FKM	274,8x320x15 HFS V
274,8	320	16	10.819	12.598	0.63	NBR	274,8x320x16 HFS R
						HNBR	274,8x320x16 HFS H
						FKM	274,8x320x16 HFS V
275	307	13	10.827	12.087	0.512	NBR	275x307x13 HFS R
						HNBR	275x307x13 HFS H
						FKM	275x307x13 HFS V
275	319	20	10.827	12.559	0.787	NBR	275x319x20 HFS R
						HNBR	275x319x20 HFS H
						FKM	275x319x20 HFS V
279,4	304,8	15,88	11.000	12.000	0.625	NBR	1100-1200-40 HFS R
						HNBR	1100-1200-40 HFS H
						FKM	1100-1200-40 HFS V
279,4	317,5	19,1	11.000	12.500	0.75	NBR	1100-1232-48 HFS R
						HNBR	1100-1232-48 HFS H
						FKM	1100-1232-48 HFS V
279,4	319,87	19,84	11.000	12.594	0.781	NBR	1100-1238-50 HFS R
						HNBR	1100-1238-50 HFS H
						FKM	1100-1238-50 HFS V
280	310	15	11.024	12.205	0.591	NBR	280x310x15 HFS R
						HNBR	280x310x15 HFS H
						FKM	280x310x15 HFS V
280	310	16	11.024	12.205	0.63	NBR	280x310x16 HFS R
						HNBR	280x310x16 HFS H
						FKM	280x310x16 HFS V
280	320	18	11.024	12.598	0.709	NBR	280x320x18 HFS R
						HNBR	280x320x18 HFS H
						FKM	280x320x18 HFS V
280	320	20	11.024	12.598	0.787	NBR	280x320x20 HFS R
						HNBR	280x320x20 HFS H
						FKM	280x320x20 HFS V
280	324	20	11.024	12.756	0.787	NBR	280x324x20 HFS R
						HNBR	280x324x20 HFS H
						FKM	280x324x20 HFS V

HFS seals – rubber fabric reinforced

d₁ 279,4–331 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
280	340	15	11.024	13.386	0.591	NBR	280x340x15 HFS R
						HNBR	280x340x15 HFS H
						FKM	280x340x15 HFS V
280,2	320	16	11.031	12.598	0.63	NBR	280,2x320x16 HFS R
						HNBR	280,2x320x16 HFS H
						FKM	280,2x320x16 HFS V
285	325	16	11.220	12.795	0.63	NBR	285x325x16 HFS R
						HNBR	285x325x16 HFS H
						FKM	285x325x16 HFS V
285	325	20	11.220	12.795	0.787	NBR	285x325x20 HFS R
						HNBR	285x325x20 HFS H
						FKM	285x325x20 HFS V
289	327	19	11.378	12.874	0.748	NBR	289x327x19 HFS R
						HNBR	289x327x19 HFS H
						FKM	289x327x19 HFS V
290	315,4	12,7	11.417	12.417	0.5	NBR	290x315,4x12,7 HFS R
						HNBR	290x315,4x12,7 HFS H
						FKM	290x315,4x12,7 HFS V
290	320	15	11.417	12.598	0.591	NBR	290x320x15 HFS R
						HNBR	290x320x15 HFS H
						FKM	290x320x15 HFS V
290	330	16	11.417	12.992	0.63	NBR	290x330x16 HFS R
						HNBR	290x330x16 HFS H
						FKM	290x330x16 HFS V
290	330	20	11.417	12.992	0.787	NBR	290x330x20 HFS R
						HNBR	290x330x20 HFS H
						FKM	290x330x20 HFS V
290	334	20	11.417	13.150	0.787	NBR	290x334x20 HFS R
						HNBR	290x334x20 HFS H
						FKM	290x334x20 HFS V
290	340	20	11.417	13.386	0.787	NBR	290x340x20 HFS R
						HNBR	290x340x20 HFS H
						FKM	290x340x20 HFS V
292,1	330,19	17,85	11.500	13.000	0.703	NBR	1132-1300-45 HFS R
						HNBR	1132-1300-45 HFS H
						FKM	1132-1300-45 HFS V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
292,1	330,2	18	11.500	13.000	0.709	NBR	292,1x330,2x18 HFS R
						HNBR	292,1x330,2x18 HFS H
						FKM	292,1x330,2x18 HFS V
292,1	336,5	19	11.500	13.248	0.748	NBR	292,1x336,5x19 HFS R
						HNBR	292,1x336,5x19 HFS H
						FKM	292,1x336,5x19 HFS V
295	335	16	11.614	13.189	0.63	NBR	295x335x16 HFS R
						HNBR	295x335x16 HFS H
						FKM	295x335x16 HFS V
295	344	20	11.614	13.543	0.787	NBR	295x344x20 HFS R
						HNBR	295x344x20 HFS H
						FKM	295x344x20 HFS V
298	338	16	11.732	13.307	0.63	NBR	298x338x16 HFS R
						HNBR	298x338x16 HFS H
						FKM	298x338x16 HFS V
300	330	14	11.811	12.992	0.551	NBR	300x330x14 HFS R
						HNBR	300x330x14 HFS H
						FKM	300x330x14 HFS V
300	330	15	11.811	12.992	0.591	NBR	300x330x15 HFS R
						HNBR	300x330x15 HFS H
						FKM	300x330x15 HFS V
300	332	16	11.811	13.071	0.63	NBR	300x332x16 HFS R
						HNBR	300x332x16 HFS H
						FKM	300x332x16 HFS V
300	335	18	11.811	13.189	0.709	NBR	300x335x18 HFS R
						HNBR	300x335x18 HFS H
						FKM	300x335x18 HFS V
300	340	18	11.811	13.386	0.709	NBR	300x340x18 HFS R
						HNBR	300x340x18 HFS H
						FKM	300x340x18 HFS V
300	340	20	11.811	13.386	0.787	NBR	300x340x20 HFS R
						HNBR	300x340x20 HFS H
						FKM	300x340x20 HFS V
300	344	20	11.811	13.543	0.787	NBR	300x344x20 HFS R
						HNBR	300x344x20 HFS H
						FKM	300x344x20 HFS V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
300	350,8	19,1	11.811	13.811	0.75	NBR	300x350,8x19,1 HFS R
						HNBR	300x350,8x19,1 HFS H
						FKM	300x350,8x19,1 HFS V
300	360	25	11.811	14.173	0.984	NBR	300x360x25 HFS R
						HNBR	300x360x25 HFS H
						FKM	300x360x25 HFS V
300,03	331,77	15,88	11.813	13.063	0.625	NBR	1152-1304-40 HFS R
						HNBR	1152-1304-40 HFS H
						FKM	1152-1304-40 HFS V
310	354	20	12.205	13.937	0.787	NBR	310x354x20 HFS R
						HNBR	310x354x20 HFS H
						FKM	310x354x20 HFS V
310	355,6	20	12.205	14.000	0.787	NBR	310x355,6x20 HFS R
						HNBR	310x355,6x20 HFS H
						FKM	310x355,6x20 HFS V
311	345	18	12.244	13.583	0.709	NBR	311x345x18 HFS R
						HNBR	311x345x18 HFS H
						FKM	311x345x18 HFS V
315	345	14	12.402	13.583	0.551	NBR	315x345x14 HFS R
						HNBR	315x345x14 HFS H
						FKM	315x345x14 HFS V
315	347	13	12.402	13.661	0.512	NBR	315x347x13 HFS R
						HNBR	315x347x13 HFS H
						FKM	315x347x13 HFS V
315	355	20	12.402	13.976	0.787	NBR	315x355x20 HFS R
						HNBR	315x355x20 HFS H
						FKM	315x355x20 HFS V
315	359	22	12.402	14.134	0.866	NBR	315x359x22 HFS R
						HNBR	315x359x22 HFS H
						FKM	315x359x22 HFS V
316	360	20	12.441	14.173	0.787	NBR	316x360x20 HFS R
						HNBR	316x360x20 HFS H
						FKM	316x360x20 HFS V
317,5	355,6	19,1	12.500	14.000	0.75	NBR	1232-1400-48 HFS R
						HNBR	1232-1400-48 HFS H
						FKM	1232-1400-48 HFS V
320	346	15	12.598	13.622	0.591	NBR	320x346x15 HFS R
						HNBR	320x346x15 HFS H
						FKM	320x346x15 HFS V
320	358	20	12.598	14.094	0.787	NBR	320x358x20 HFS R
						HNBR	320x358x20 HFS H
						FKM	320x358x20 HFS V
320	360	15	12.598	14.173	0.591	NBR	320x360x15 HFS R
						HNBR	320x360x15 HFS H
						FKM	320x360x15 HFS V
320	360	18	12.598	14.173	0.709	NBR	320x360x18 HFS R
						HNBR	320x360x18 HFS H
						FKM	320x360x18 HFS V
320	360	20	12.598	14.173	0.787	NBR	320x360x20 HFS R
						HNBR	320x360x20 HFS H
						FKM	320x360x20 HFS V

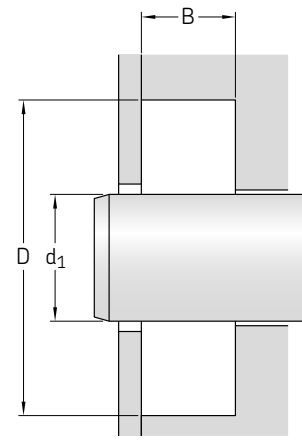
Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
320	364	20	12.598	14.331	0.787	NBR	320x364x20 HFS R
						HNBR	320x364x20 HFS H
						FKM	320x364x20 HFS V
323	363	16	12.717	14.291	0.63	NBR	323x363x16 HFS R
						HNBR	323x363x16 HFS H
						FKM	323x363x16 HFS V
323,85	361,95	17,45	12.750	14.250	0.688	NBR	1248-1416-44 HFS R
						HNBR	1248-1416-44 HFS H
						FKM	1248-1416-44 HFS V
324	362	17,5	12.756	14.252	0.689	NBR	324x362x18 HFS R
						HNBR	324x362x18 HFS H
						FKM	324x362x18 HFS V
325	363	16	12.795	14.291	0.63	NBR	325x363x16 HFS R
						HNBR	325x363x16 HFS H
						FKM	325x363x16 HFS V
325	369	20	12.795	14.528	0.787	NBR	325x369x20 HFS R
						HNBR	325x369x20 HFS H
						FKM	325x369x20 HFS V
330	360	18	12.992	14.173	0.709	NBR	330x360x18 HFS R
						HNBR	330x360x18 HFS H
						FKM	330x360x18 HFS V
330	370	20	12.992	14.567	0.787	NBR	330x370x20 HFS R
						HNBR	330x370x20 HFS H
						FKM	330x370x20 HFS V
330	374	20	12.992	14.724	0.787	NBR	330x374x20 HFS R
						HNBR	330x374x20 HFS H
						FKM	330x374x20 HFS V
330,2	368,3	17,45	13.000	14.500	0.688	NBR	1300-1432-44 HFS R
						HNBR	1300-1432-44 HFS H
						FKM	1300-1432-44 HFS V
331	371	14	13.031	14.606	0.551	NBR	331x371x14 HFS R
						HNBR	331x371x14 HFS H
						FKM	331x371x14 HFS V
331	371	15	13.031	14.606	0.591	NBR	331x371x15 HFS R
						HNBR	331x371x15 HFS H
						FKM	331x371x15 HFS V
331	371	16	13.031	14.606	0.63	NBR	331x371x16 HFS R
						HNBR	331x371x16 HFS H
						FKM	331x371x16 HFS V
335	375	15	13.189	14.764	0.591	NBR	335x375x15 HFS R
						HNBR	335x375x15 HFS H
						FKM	335x375x15 HFS V
335	395	16	13.189	15.551	0.63	NBR	335x395x16 HFS R
						HNBR	335x395x16 HFS H
						FKM	335x395x16 HFS V
336	380	20	13.228	14.961	0.787	NBR	336x380x20 HFS R
						HNBR	336x380x20 HFS H
						FKM	336x380x20 HFS V
340	370	18	13.386	14.567	0.709	NBR	340x370x18 HFS R
						HNBR	340x370x18 HFS H
						FKM	340x370x18 HFS V

HFS seals – rubber fabric reinforced

d₁ 331–393,7 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm	in.						
340	372	16	13.386	14.646	0.63	NBR HNBR FKM	340x372x16 HFS R 340x372x16 HFS H 340x372x16 HFS V
340	380	18	13.386	14.961	0.709	NBR HNBR FKM	340x380x18 HFS R 340x380x18 HFS H 340x380x18 HFS V
340	380	20	13.386	14.961	0.787	NBR HNBR FKM	340x380x20 HFS R 340x380x20 HFS H 340x380x20 HFS V
340	384	20	13.386	15.118	0.787	NBR HNBR FKM	340x384x20 HFS R 340x384x20 HFS H 340x384x20 HFS V
342,9	381	17,4	13.500	15.000	0.688	NBR HNBR FKM	1332-1500-44 HFS R 1332-1500-44 HFS H 1332-1500-44 HFS V
342,9	381	19,1	13.500	15.000	0.75	NBR HNBR FKM	1332-1500-48 HFS R 1332-1500-48 HFS H 1332-1500-48 HFS V
342,9	393,7	20,7	13.500	15.500	0.813	NBR HNBR FKM	1332-1532-52 HFS R 1332-1532-52 HFS H 1332-1532-52 HFS V
345	395	20	13.583	15.551	0.787	NBR HNBR FKM	345x395x20 HFS R 345x395x20 HFS H 345x395x20 HFS V
350	380	15	13.780	14.961	0.591	NBR HNBR FKM	350x380x15 HFS R 350x380x15 HFS H 350x380x15 HFS V
350	380	20	13.780	14.961	0.787	NBR HNBR FKM	350x380x20 HFS R 350x380x20 HFS H 350x380x20 HFS V
350	390	18	13.780	15.354	0.709	NBR HNBR FKM	350x390x18 HFS R 350x390x18 HFS H 350x390x18 HFS V
350	391	16	13.780	15.394	0.63	NBR HNBR FKM	350x391x16 HFS R 350x391x16 HFS H 350x391x16 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm	in.						
350	394	20	13.780	15.512	0.787	NBR HNBR FKM	350x394x20 HFS R 350x394x20 HFS H 350x394x20 HFS V
350,6	395	20,6	13.802	15.551	0.812	NBR HNBR FKM	350,6x395x20,6 HFS R 350,6x395x20,6 HFS H 350,6x395x20,6 HFS V
351	390	20	13.819	15.354	0.787	NBR HNBR FKM	351x390x20 HFS R 351x390x20 HFS H 351x390x20 HFS V
355,6	400,04	19,1	14.000	15.750	0.75	NBR HNBR FKM	1400-1548-48 HFS R 1400-1548-48 HFS H 1400-1548-48 HFS V
356	432	28	14.016	17.008	1.102	NBR HNBR FKM	356x432x28 HFS R 356x432x28 HFS H 356x432x28 HFS V
360	390	18	14.173	15.354	0.709	NBR HNBR FKM	360x390x18 HFS R 360x390x18 HFS H 360x390x18 HFS V
360	400	17	14.173	15.748	0.669	NBR HNBR FKM	360x400x17 HFS R 360x400x17 HFS H 360x400x17 HFS V
360	400	18	14.173	15.748	0.709	NBR HNBR FKM	360x400x18 HFS R 360x400x18 HFS H 360x400x18 HFS V
360	404	20	14.173	15.906	0.787	NBR HNBR FKM	360x404x20 HFS R 360x404x20 HFS H 360x404x20 HFS V
360	420	15	14.173	16.535	0.591	NBR HNBR FKM	360x420x15 HFS R 360x420x15 HFS H 360x420x15 HFS V
360,36	420,68	15,08	14.188	16.563	0.594	NBR HNBR FKM	1412-1636-38 HFS R 1412-1636-38 HFS H 1412-1636-38 HFS V
361,9	400	16	14.248	15.748	0.63	NBR HNBR FKM	361,9x400x16 HFS R 361,9x400x16 HFS H 361,9x400x16 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm	in.						
362	400	20	14.252	15.748	0.787	NBR HNBR FKM	362x400x20 HFS R 362x400x20 HFS H 362x400x20 HFS V
362	406	20	14.252	15.984	0.787	NBR HNBR FKM	362x406x20 HFS R 362x406x20 HFS H 362x406x20 HFS V
365	405	20	14.370	15.945	0.787	NBR HNBR FKM	365x405x20 HFS R 365x405x20 HFS H 365x405x20 HFS V
365,12	404,8	19,84	14.375	15.938	0.781	NBR HNBR FKM	1424-1560-50 HFS R 1424-1560-50 HFS H 1424-1560-50 HFS V
368,3	419,1	20,6	14.500	16.500	0.813	NBR HNBR FKM	1432-1632-52 HFS R 1432-1632-52 HFS H 1432-1632-52 HFS V
370	410	18	14.567	16.142	0.709	NBR HNBR FKM	370x410x18 HFS R 370x410x18 HFS H 370x410x18 HFS V
370	414	20	14.567	16.299	0.787	NBR HNBR FKM	370x414x20 HFS R 370x414x20 HFS H 370x414x20 HFS V
370	420	15	14.567	16.535	0.591	NBR HNBR FKM	370x420x15 HFS R 370x420x15 HFS H 370x420x15 HFS V
373,06	398,46	12,7	14.688	15.688	0.5	NBR HNBR FKM	1444-1544-32 HFS R 1444-1544-32 HFS H 1444-1544-32 HFS V
375	420	16	14.764	16.535	0.63	NBR HNBR FKM	375x420x16 HFS R 375x420x16 HFS H 375x420x16 HFS V
376,2	427	22,2	14.811	16.811	0.875	NBR HNBR FKM	376,2x427x22,2 HFS R 376,2x427x22,2 HFS H 376,2x427x22,2 HFS V
380	419	24	14.961	16.496	0.945	NBR HNBR FKM	380x419x24 HFS R 380x419x24 HFS H 380x419x24 HFS V
380	420	20	14.961	16.535	0.787	NBR HNBR FKM	380x420x20 HFS R 380x420x20 HFS H 380x420x20 HFS V
380	420	22	14.961	16.535	0.866	NBR HNBR FKM	380x420x22 HFS R 380x420x22 HFS H 380x420x22 HFS V
380	424	20	14.961	16.693	0.787	NBR HNBR FKM	380x424x20 HFS R 380x424x20 HFS H 380x424x20 HFS V
380	429	24	14.961	16.890	0.945	NBR HNBR FKM	380x429x24 HFS R 380x429x24 HFS H 380x429x24 HFS V
380	430	19	14.961	16.929	0.748	NBR HNBR FKM	380x430x19 HFS R 380x430x19 HFS H 380x430x19 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm	in.						
380	435	25	14.961	17.126	0.984	NBR HNBR FKM	380x435x25 HFS R 380x435x25 HFS H 380x435x25 HFS V
381	419,1	17,45	15.000	16.500	0.688	NBR HNBR FKM	1500-1632-44 HFS R 1500-1632-44 HFS H 1500-1632-44 HFS V
385	429	20	15.157	16.890	0.787	NBR HNBR FKM	385x429x20 HFS R 385x429x20 HFS H 385x429x20 HFS V
387	431	22,5	15.236	16.969	0.886	NBR HNBR FKM	387x431x23 HFS R 387x431x23 HFS H 387x431x23 HFS V
390	424,8	13,5	15.354	16.724	0.531	NBR HNBR FKM	390x424,8x13,5 HFS R 390x424,8x13,5 HFS H 390x424,8x13,5 HFS V
390	430	18	15.354	16.929	0.709	NBR HNBR FKM	390x430x18 HFS R 390x430x18 HFS H 390x430x18 HFS V
390	430	20	15.354	16.929	0.787	NBR HNBR FKM	390x430x20 HFS R 390x430x20 HFS H 390x430x20 HFS V
390,52	425,44	13,49	15.375	16.750	0.531	NBR HNBR FKM	1524-1648-34 HFS R 1524-1648-34 HFS H 1524-1648-34 HFS V
393,7	438,15	19,5	15.500	17.250	0.766	NBR HNBR FKM	1532-1716-49 HFS R 1532-1716-49 HFS H 1532-1716-49 HFS V
393,7	444,5	23	15.500	17.500	0.906	NBR HNBR FKM	1532-1732-58 HFS R 1532-1732-58 HFS H 1532-1732-58 HFS V
393,7	438,2	20	15.500	17.250	0.787	NBR HNBR FKM	393,7x438,2x20 HFS R 393,7x438,2x20 HFS H 393,7x438,2x20 HFS V
400	444	19,1	15.748	17.480	0.75	NBR HNBR FKM	400x444x19 HFS R 400x444x19 HFS H 400x444x19 HFS V
400	444	20	15.748	17.480	0.787	NBR HNBR FKM	400x444x20 HFS R 400x444x20 HFS H 400x444x20 HFS V
400	444,5	22	15.748	17.500	0.866	NBR HNBR FKM	400x444,5x22 HFS R 400x444,5x22 HFS H 400x444,5x22 HFS V
400	450	20	15.748	17.717	0.787	NBR HNBR FKM	400x450x20 HFS R 400x450x20 HFS H 400x450x20 HFS V
400	450	22	15.748	17.717	0.866	NBR HNBR FKM	400x450x22 HFS R 400x450x22 HFS H 400x450x22 HFS V
400	460	25	15.748	18.110	0.984	NBR HNBR FKM	400x460x25 HFS R 400x460x25 HFS H 400x460x25 HFS V

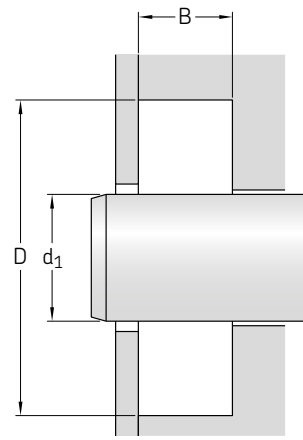


HFS seals – rubber fabric reinforced

d₁ 393,7–480 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
404,81	455,61	22,22	15.938	17.938	0.875	NBR HNBR FKM	1560-1760-56 HFS R 1560-1760-56 HFS H 1560-1760-56 HFS V
405	455	22	15.945	17.913	0.866	NBR HNBR FKM	405x455x22 HFS R 405x455x22 HFS H 405x455x22 HFS V
406,2	445,5	17	15.992	17.539	0.669	NBR HNBR FKM	406,2x445,5x17 HFS R 406,2x445,5x17 HFS H 406,2x445,5x17 HFS V
406,4	457,2	19	16.000	18.000	0.748	NBR HNBR FKM	406,4x457,2x19 HFS R 406,4x457,2x19 HFS H 406,4x457,2x19 HFS V
406,4	457,2	20,6	16.000	18.000	0.813	NBR HNBR FKM	1600-1800-52 HFS R 1600-1800-52 HFS H 1600-1800-52 HFS V
406,4	457,2	21,2	16.000	18.000	0.835	NBR HNBR FKM	406,4x457,2x21,2 HFS R 406,4x457,2x21,2 HFS H 406,4x457,2x21,2 HFS V
406,4	457,2	28,6	16.000	18.000	1.125	NBR HNBR FKM	1600-1800-108 HFS R 1600-1800-108 HFS H 1600-1800-108 HFS V
410	445	12	16.142	17.520	0.472	NBR HNBR FKM	410x445x12 HFS R 410x445x12 HFS H 410x445x12 HFS V
412,74	450,84	17,46	16.250	17.750	0.688	NBR HNBR FKM	1616-1748-44 HFS R 1616-1748-44 HFS H 1616-1748-44 HFS V
412,74	450,84	22,22	16.250	17.750	0.875	NBR HNBR FKM	1616-1748-56 HFS R 1616-1748-56 HFS H 1616-1748-56 HFS V
413	463	22	16.260	18.228	0.866	NBR HNBR FKM	413x463x22 HFS R 413x463x22 HFS H 413x463x22 HFS V
419	451	19	16.496	17.756	0.748	NBR HNBR FKM	419x451x19 HFS R 419x451x19 HFS H 419x451x19 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
419,09	450,84	19,1	16.500	17.750	0.75	NBR HNBR FKM	1632-1748-48 HFS R 1632-1748-48 HFS H 1632-1748-48 HFS V
419,09	469,89	23,01	16.500	18.500	0.906	NBR HNBR FKM	1632-1832-58 HFS R 1632-1832-58 HFS H 1632-1832-58 HFS V
420	460	17	16.535	18.110	0.669	NBR HNBR FKM	420x460x17 HFS R 420x460x17 HFS H 420x460x17 HFS V
420	460	20	16.535	18.110	0.787	NBR HNBR FKM	420x460x20 HFS R 420x460x20 HFS H 420x460x20 HFS V
420	470	20	16.535	18.504	0.787	NBR HNBR FKM	420x470x20 HFS R 420x470x20 HFS H 420x470x20 HFS V
420	470	22	16.535	18.504	0.866	NBR HNBR FKM	420x470x22 HFS R 420x470x22 HFS H 420x470x22 HFS V
420	470	23	16.535	18.504	0.906	NBR HNBR FKM	420x470x23 HFS R 420x470x23 HFS H 420x470x23 HFS V
420	480	24	16.535	18.898	0.945	NBR HNBR FKM	420x480x24 HFS R 420x480x24 HFS H 420x480x24 HFS V
420	485,1	19,1	16.535	19.098	0.75	NBR HNBR FKM	420x485x19 HFS R 420x485x19 HFS H 420x485x19 HFS V
425	483	23	16.732	19.016	0.906	NBR HNBR FKM	425x483x23 HFS R 425x483x23 HFS H 425x483x23 HFS V
425,5	482,6	23,01	16.752	19.000	0.906	NBR HNBR FKM	1648-1900-58 HFS R 1648-1900-58 HFS H 1648-1900-58 HFS V
430	480	22	16.929	18.898	0.866	NBR HNBR FKM	430x480x22 HFS R 430x480x22 HFS H 430x480x22 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
430	480	25	16.929	18.898	0.984	NBR HNBR FKM	430x480x25 HFS R 430x480x25 HFS H 430x480x25 HFS V
430	480	27,5	16.929	18.898	1.083	NBR HNBR FKM	430x480x27,5 HFS R 430x480x27,5 HFS H 430x480x27,5 HFS V
431,8	482,6	20,6	17.000	19.000	0.813	NBR HNBR FKM	1700-1900-52 HFS R 1700-1900-52 HFS H 1700-1900-52 HFS V
435	485	22	17.126	19.094	0.866	NBR HNBR FKM	435x485x22 HFS R 435x485x22 HFS H 435x485x22 HFS V
439,73	484,23	19,1	17.313	19.063	0.75	NBR HNBR FKM	1720-1904-48 HFS R 1720-1904-48 HFS H 1720-1904-48 HFS V
440	480	20	17.323	18.898	0.787	NBR HNBR FKM	440x480x20 HFS R 440x480x20 HFS H 440x480x20 HFS V
440	484,3	19	17.323	19.067	0.748	NBR HNBR FKM	440x484,3x19 HFS R 440x484,3x19 HFS H 440x484,3x19 HFS V
440	490	22	17.323	19.291	0.866	NBR HNBR FKM	440x490x22 HFS R 440x490x22 HFS H 440x490x22 HFS V
444,5	508	19,1	17.500	20.000	0.75	NBR HNBR FKM	1732-2000-48 HFS R 1732-2000-48 HFS H 1732-2000-48 HFS V
445	485	18	17.520	19.094	0.709	NBR HNBR FKM	445x485x18 HFS R 445x485x18 HFS H 445x485x18 HFS V
445	495	22	17.520	19.488	0.866	NBR HNBR FKM	445x495x22 HFS R 445x495x22 HFS H 445x495x22 HFS V
446	486	16	17.559	19.134	0.63	NBR HNBR FKM	446x486x16 HFS R 446x486x16 HFS H 446x486x16 HFS V
450	480	20	17.717	18.898	0.787	NBR HNBR FKM	450x480x20 HFS R 450x480x20 HFS H 450x480x20 HFS V
450	500	20	17.717	19.685	0.787	NBR HNBR FKM	450x500x20 HFS R 450x500x20 HFS H 450x500x20 HFS V
450	500	22	17.717	19.685	0.866	NBR HNBR FKM	450x500x22 HFS R 450x500x22 HFS H 450x500x22 HFS V
455	505	22	17.913	19.882	0.866	NBR HNBR FKM	455x505x22 HFS R 455x505x22 HFS H 455x505x22 HFS V
455	505	25	17.913	19.882	0.984	NBR HNBR FKM	455x505x25 HFS R 455x505x25 HFS H 455x505x25 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
457,2	508	22,22	18.000	20.000	0.875	NBR HNBR FKM	1800-2000-56 HFS R 1800-2000-56 HFS H 1800-2000-56 HFS V
458	494	18	18.031	19.449	0.709	NBR HNBR FKM	458x494x18 HFS R 458x494x18 HFS H 458x494x18 HFS V
460	500	20	18.110	19.685	0.787	NBR HNBR FKM	460x500x20 HFS R 460x500x20 HFS H 460x500x20 HFS V
467	510	20	18.386	20.079	0.787	NBR HNBR FKM	467x510x20 HFS R 467x510x20 HFS H 467x510x20 HFS V
467	510	25	18.386	20.079	0.984	NBR HNBR FKM	467x510x25 HFS R 467x510x25 HFS H 467x510x25 HFS V
470	510	18	18.504	20.079	0.709	NBR HNBR FKM	470x510x18 HFS R 470x510x18 HFS H 470x510x18 HFS V
475	525,8	25,4	18.703	20.703	1.000	NBR HNBR FKM	1845-2045-64 HFS R 1845-2045-64 HFS H 1845-2045-64 HFS V
479,42	519,9	19,84	18.875	20.469	0.781	NBR HNBR FKM	1856-2030-50 HFS R 1856-2030-50 HFS H 1856-2030-50 HFS V
480	520	20	18.898	20.472	0.787	NBR HNBR FKM	480x520x20 HFS R 480x520x20 HFS H 480x520x20 HFS V
480	530	22	18.898	20.866	0.866	NBR HNBR FKM	480x530x22 HFS R 480x530x22 HFS H 480x530x22 HFS V
480	530	25	18.898	20.866	0.984	NBR HNBR FKM	480x530x25 HFS R 480x530x25 HFS H 480x530x25 HFS V
481	520,68	19,84	18.938	20.500	0.781	NBR HNBR FKM	1860-2036-50 HFS R 1860-2036-50 HFS H 1860-2036-50 HFS V
482,6	520,7	26,5	19.000	20.500	1.047	NBR HNBR FKM	1900-2032-103 HFS R 1900-2032-103 HFS H 1900-2032-103 HFS V
485	535	22	19.094	21.063	0.866	NBR HNBR FKM	485x535x22 HFS R 485x535x22 HFS H 485x535x22 HFS V
490	540	22	19.291	21.260	0.866	NBR HNBR FKM	490x540x22 HFS R 490x540x22 HFS H 490x540x22 HFS V
495,3	546,3	22	19.500	21.508	0.866	NBR HNBR FKM	495,3x546,3x22 HFS R 495,3x546,3x22 HFS H 495,3x546,3x22 HFS V
497	540	20	19.567	21.260	0.787	NBR HNBR FKM	497x540x20 HFS R 497x540x20 HFS H 497x540x20 HFS V

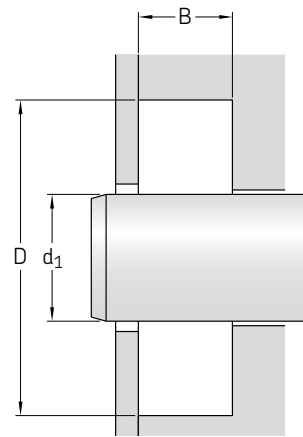


HFS seals – rubber fabric reinforced

d₁ 480–580 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
500	540	20	19.685	21.260	0.787	NBR	500x540x20 HFS R
						HNBR	500x540x20 HFS H
						FKM	500x540x20 HFS V
500	540	22	19.685	21.260	0.866	NBR	500x540x22 HFS R
						HNBR	500x540x22 HFS H
						FKM	500x540x22 HFS V
500	544	20	19.685	21.417	0.787	NBR	500x544x20 HFS R
						HNBR	500x544x20 HFS H
						FKM	500x544x20 HFS V
500	544	22	19.685	21.417	0.866	NBR	500x544x22 HFS R
						HNBR	500x544x22 HFS H
						FKM	500x544x22 HFS V
500	545	20	19.685	21.457	0.787	NBR	500x545x20 HFS R
						HNBR	500x545x20 HFS H
						FKM	500x545x20 HFS V
500	545	20,5	19.685	21.457	0.807	NBR	500x545x21 HFS R
						HNBR	500x545x21 HFS H
						FKM	500x545x21 HFS V
500	550	20	19.685	21.654	0.787	NBR	500x550x20 HFS R
						HNBR	500x550x20 HFS H
						FKM	500x550x20 HFS V
500	550	22	19.685	21.654	0.866	NBR	500x550x22 HFS R
						HNBR	500x550x22 HFS H
						FKM	500x550x22 HFS V
500,05	544,49	22,22	19.688	21.438	0.875	NBR	1944-2128-56 HFS R
						HNBR	1944-2128-56 HFS H
						FKM	1944-2128-56 HFS V
508	558,8	20,63	20.000	22.000	0.813	NBR	2000-2200-52 HFS R
						HNBR	2000-2200-52 HFS H
						FKM	2000-2200-52 HFS V
510	560	22	20.079	22.047	0.866	NBR	510x560x22 HFS R
						HNBR	510x560x22 HFS H
						FKM	510x560x22 HFS V
510	560	25	20.079	22.047	0.984	NBR	510x560x25 HFS R
						HNBR	510x560x25 HFS H
						FKM	510x560x25 HFS V

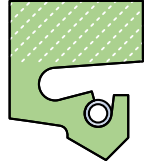
Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
520	570	22	20.472	22.441	0.866	NBR	520x570x22 HFS R
						HNBR	520x570x22 HFS H
						FKM	520x570x22 HFS V
520	570	25	20.472	22.441	0.984	NBR	520x570x25 HFS R
						HNBR	520x570x25 HFS H
						FKM	520x570x25 HFS V
520,7	558,8	19,1	20.500	22.000	0.75	NBR	2032-2000-48 HFS R
						HNBR	2032-2000-48 HFS H
						FKM	2032-2000-48 HFS V
520,7	558,8	24,2	20.500	22.000	0.953	NBR	2032-2200-61 HFS R
						HNBR	2032-2200-61 HFS H
						FKM	2032-2200-61 HFS V
525	569	20	20.669	22.402	0.787	NBR	525x569x20 HFS R
						HNBR	525x569x20 HFS H
						FKM	525x569x20 HFS V
525	575	22	20.669	22.638	0.866	NBR	525x575x22 HFS R
						HNBR	525x575x22 HFS H
						FKM	525x575x22 HFS V
528	578	22	20.787	22.756	0.866	NBR	528x578x22 HFS R
						HNBR	528x578x22 HFS H
						FKM	528x578x22 HFS V
530	580	20	20.866	22.835	0.787	NBR	530x580x20 HFS R
						HNBR	530x580x20 HFS H
						FKM	530x580x20 HFS V
530	580	22	20.866	22.835	0.866	NBR	530x580x22 HFS R
						HNBR	530x580x22 HFS H
						FKM	530x580x22 HFS V
530	580	24,2	20.866	22.835	0.953	NBR	530x580x24,2 HFS R
						HNBR	530x580x24,2 HFS H
						FKM	530x580x24,2 HFS V
535	585	22	21.063	23.031	0.866	NBR	535x585x22 HFS R
						HNBR	535x585x22 HFS H
						FKM	535x585x22 HFS V
540	590	22	21.260	23.228	0.866	NBR	540x590x22 HFS R
						HNBR	540x590x22 HFS H
						FKM	540x590x22 HFS V

Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
540	590	25	21.260	23.228	0.984	NBR	540x590x25 HFS R
						HNBR	540x590x25 HFS H
						FKM	540x590x25 HFS V
540	590	27,5	21.260	23.228	1.083	NBR	540x590x27,5 HFS R
						HNBR	540x590x27,5 HFS H
						FKM	540x590x27,5 HFS V
541,33	577,83	17,85	21.313	22.750	0.703	NBR	2120-2248-45 HFS R
						HNBR	2120-2248-45 HFS H
						FKM	2120-2248-45 HFS V
542	578	18	21.339	22.756	0.709	NBR	542x578x18 HFS R
						HNBR	542x578x18 HFS H
						FKM	542x578x18 HFS V
549,27	600,07	21,82	21.625	23.625	0.859	NBR	2140-2340-55 HFS R
						HNBR	2140-2340-55 HFS H
						FKM	2140-2340-55 HFS V
550	590	20	21.654	23.228	0.787	NBR	550x590x20 HFS R
						HNBR	550x590x20 HFS H
						FKM	550x590x20 HFS V
550	600	22	21.654	23.622	0.866	NBR	550x600x22 HFS R
						HNBR	550x600x22 HFS H
						FKM	550x600x22 HFS V
550	600	23,5	21.654	23.622	0.925	NBR	550x600x23,5 HFS R
						HNBR	550x600x23,5 HFS H
						FKM	550x600x23,5 HFS V
558,8	596,9	19,1	22.000	23.500	0.75	NBR	2200-2332-48 HFS R
						HNBR	2200-2332-48 HFS H
						FKM	2200-2332-48 HFS V
558,8	609,6	22,22	22.000	24.000	0.875	NBR	2200-2400-56 HFS R
						HNBR	2200-2400-56 HFS H
						FKM	2200-2400-56 HFS V
559	597	19	22.008	23.504	0.748	NBR	559x597x19 HFS R
						HNBR	559x597x19 HFS H
						FKM	559x597x19 HFS V
560	604	20	22.047	23.780	0.787	NBR	560x604x20 HFS R
						HNBR	560x604x20 HFS H
						FKM	560x604x20 HFS V
560	610	22	22.047	24.016	0.866	NBR	560x610x22 HFS R
						HNBR	560x610x22 HFS H
						FKM	560x610x22 HFS V
565	615	22	22.244	24.213	0.866	NBR	565x615x22 HFS R
						HNBR	565x615x22 HFS H
						FKM	565x615x22 HFS V
565,15	615,95	22,23	22.250	24.250	0.875	NBR	2216-2416-56 HFS R
						HNBR	2216-2416-56 HFS H
						FKM	2216-2416-56 HFS V
570	616	19	22.441	24.252	0.748	NBR	570x616x19 HFS R
						HNBR	570x616x19 HFS H
						FKM	570x616x19 HFS V
570	620	22	22.441	24.409	0.866	NBR	570x620x22 HFS R
						HNBR	570x620x22 HFS H
						FKM	570x620x22 HFS V

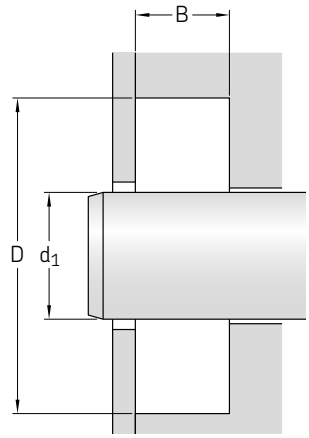
Dimensions			Dimensions			Mate-rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
570	620	25	22.441	24.409	0.984	NBR	570x620x25 HFS R
						HNBR	570x620x25 HFS H
						FKM	570x620x25 HFS V
571,5	615,95	22,22	22.500	24.250	0.875	NBR	2232-2416-56 HFS R
						HNBR	2232-2416-56 HFS H
						FKM	2232-2416-56 HFS V
571,5	615,95	25	22.500	24.250	0.984	NBR	2232-2416-63 HFS R
						HNBR	2232-2416-63 HFS H
						FKM	2232-2416-63 HFS V
571,52	622,32	20,64	22.500	24.500	0.813	NBR	2232-2432-52 HFS R
						HNBR	2232-2432-52 HFS H
						FKM	2232-2432-52 HFS V
579,43	615,93	15,88	22.813	24.250	0.625	NBR	2252-2416-40 HFS R
						HNBR	2252-2416-40 HFS H
						FKM	2252-2416-40 HFS V
580	615	20	22.835	24.213	0.787	NBR	580x615x20 HFS R
						HNBR	580x615x20 HFS H
						FKM	580x615x20 HFS V
580	616	16	22.835	24.252	0.63	NBR	580x616x16 HFS R
						HNBR	580x616x16 HFS H
						FKM	580x616x16 HFS V
580	616	17	22.835	24.252	0.669	NBR	580x616x17 HFS R
						HNBR	580x616x17 HFS H
						FKM	580x616x17 HFS V
580	620	20	22.835	24.409	0.787	NBR	580x620x20 HFS R
						HNBR	580x620x20 HFS H
						FKM	580x620x20 HFS V
580	620	25	22.835	24.409	0.984	NBR	580x620x25 HFS R
						HNBR	580x620x25 HFS H
						FKM	580x620x25 HFS V
590	640	20	23.228	25.197	0.787	NBR	590x640x20 HFS R
						HNBR	590x640x20 HFS H
						FKM	590x640x20 HFS V
590	640	22	23.228	25.197	0.866	NBR	590x640x22 HFS R
						HNBR	590x640x22 HFS H
						FKM	590x640x22 HFS V
600	650	22	23.622	25.591	0.866	NBR	600x650x22 HFS R
						HNBR	600x650x22 HFS H
						FKM	600x650x22 HFS V
600	660	22,2	23.622	25.984	0.875	NBR	600x660x22,2 HFS R
						HNBR	600x660x22,2 HFS H
						FKM	600x660x22,2 HFS V
600	660	25	23.622	25.984	0.984	NBR	600x660x25 HFS R
						HNBR	600x660x25 HFS H
						FKM	600x660x25 HFS V
605	645	18	23.819	25.394	0.709	NBR	605x645x18 HFS R
						HNBR	605x645x18 HFS H
						FKM	605x645x18 HFS V
605	655	22	23.819	25.787	0.866	NBR	605x655x22 HFS R
						HNBR	605x655x22 HFS H
						FKM	605x655x22 HFS V

HFS seals – rubber fabric reinforced

d₁ 580–750 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
610	674	22	24.016	26.535	0.866	NBR	610x674x22 HFS R
						HNBR	610x674x22 HFS H
						FKM	610x674x22 HFS V
610	674	25	24.016	26.535	0.984	NBR	610x674x25 HFS R
						HNBR	610x674x25 HFS H
						FKM	610x674x25 HFS V
616	666,8	22	24.252	26.252	0.866	NBR	616x666,8x22 HFS R
						HNBR	616x666,8x22 HFS H
						FKM	616x666,8x22 HFS V
620	684	25	24.409	26.929	0.984	NBR	620x684x25 HFS R
						HNBR	620x684x25 HFS H
						FKM	620x684x25 HFS V
625	670	20	24.606	26.378	0.787	NBR	625x670x20 HFS R
						HNBR	625x670x20 HFS H
						FKM	625x670x20 HFS V
630	680	25	24.803	26.772	0.984	NBR	630x680x25 HFS R
						HNBR	630x680x25 HFS H
						FKM	630x680x25 HFS V
630	694	25	24.803	27.323	0.984	NBR	630x694x25 HFS R
						HNBR	630x694x25 HFS H
						FKM	630x694x25 HFS V
639,75	682,63	19,1	25.188	26.875	0.75	NBR	2512-2656-48 HFS R
						HNBR	2512-2656-48 HFS H
						FKM	2512-2656-48 HFS V
640	684	20	25.197	26.929	0.787	NBR	640x684x20 HFS R
						HNBR	640x684x20 HFS H
						FKM	640x684x20 HFS V
640	688	20	25.197	27.087	0.787	NBR	640x688x20 HFS R
						HNBR	640x688x20 HFS H
						FKM	640x688x20 HFS V
640	690	22	25.197	27.165	0.866	NBR	640x690x22 HFS R
						HNBR	640x690x22 HFS H
						FKM	640x690x22 HFS V
640	704	25	25.197	27.717	0.984	NBR	640x704x25 HFS R
						HNBR	640x704x25 HFS H
						FKM	640x704x25 HFS V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
641	707	25	25.236	27.835	0.984	NBR	641x707x25 HFS R
						HNBR	641x707x25 HFS H
						FKM	641x707x25 HFS V
650	690	18	25.591	27.165	0.709	NBR	650x690x18 HFS R
						HNBR	650x690x18 HFS H
						FKM	650x690x18 HFS V
650	690	20	25.591	27.165	0.787	NBR	650x690x20 HFS R
						HNBR	650x690x20 HFS H
						FKM	650x690x20 HFS V
660	704	18	25.984	27.717	0.709	NBR	660x704x18 HFS R
						HNBR	660x704x18 HFS H
						FKM	660x704x18 HFS V
660	704	20	25.984	27.717	0.787	NBR	660x704x20 HFS R
						HNBR	660x704x20 HFS H
						FKM	660x704x20 HFS V
660	724	25	25.984	28.504	0.984	NBR	660x724x25 HFS R
						HNBR	660x724x25 HFS H
						FKM	660x724x25 HFS V
670	734	25	26.378	28.898	0.984	NBR	670x734x25 HFS R
						HNBR	670x734x25 HFS H
						FKM	670x734x25 HFS V
672	737	25	26.457	29.016	0.984	NBR	672x737x25 HFS R
						HNBR	672x737x25 HFS H
						FKM	672x737x25 HFS V
676	740	25	26.614	29.134	0.984	NBR	676x740x25 HFS R
						HNBR	676x740x25 HFS H
						FKM	676x740x25 HFS V
679,44	742,94	25	26.750	29.250	0.984	NBR	2648-2916-63 HFS R
						HNBR	2648-2916-63 HFS H
						FKM	2648-2916-63 HFS V
680	730	22	26.772	28.740	0.866	NBR	680x730x22 HFS R
						HNBR	680x730x22 HFS H
						FKM	680x730x22 HFS V
680	744	25	26.772	29.291	0.984	NBR	680x744x25 HFS R
						HNBR	680x744x25 HFS H
						FKM	680x744x25 HFS V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
685	749	25	26.969	29.488	0.984	NBR	685x749x25 HFS R
						HNBR	685x749x25 HFS H
						FKM	685x749x25 HFS V
685,8	736,6	22,22	27.000	29.000	0.875	NBR	2700-2900-56 HFS R
						HNBR	2700-2900-56 HFS H
						FKM	2700-2900-56 HFS V
690	740	25	27.165	29.134	0.984	NBR	690x740x25 HFS R
						HNBR	690x740x25 HFS H
						FKM	690x740x25 HFS V
700	750	25	27.559	29.528	0.984	NBR	700x750x25 HFS R
						HNBR	700x750x25 HFS H
						FKM	700x750x25 HFS V
700	760	30	27.559	29.921	1.181	NBR	700x760x30 HFS R
						HNBR	700x760x30 HFS H
						FKM	700x760x30 HFS V
700	764	25	27.559	30.079	0.984	NBR	700x764x25 HFS R
						HNBR	700x764x25 HFS H
						FKM	700x764x25 HFS V
710	760	20	27.953	29.921	0.787	NBR	710x760x20 HFS R
						HNBR	710x760x20 HFS H
						FKM	710x760x20 HFS V
710	760	22	27.953	29.921	0.866	NBR	710x760x22 HFS R
						HNBR	710x760x22 HFS H
						FKM	710x760x22 HFS V
710	760	25	27.953	29.921	0.984	NBR	710x760x25 HFS R
						HNBR	710x760x25 HFS H
						FKM	710x760x25 HFS V
710	770	25	27.953	30.315	0.984	NBR	710x770x25 HFS R
						HNBR	710x770x25 HFS H
						FKM	710x770x25 HFS V
710	774	25	27.953	30.472	0.984	NBR	710x774x25 HFS R
						HNBR	710x774x25 HFS H
						FKM	710x774x25 HFS V
711	775	25	27.992	30.512	0.984	NBR	711x775x25 HFS R
						HNBR	711x775x25 HFS H
						FKM	711x775x25 HFS V
711,19	774,69	25	28.000	30.500	0.984	NBR	2800-3032-63 HFS R
						HNBR	2800-3032-63 HFS H
						FKM	2800-3032-63 HFS V
720	780	25	28.346	30.709	0.984	NBR	720x780x25 HFS R
						HNBR	720x780x25 HFS H
						FKM	720x780x25 HFS V
720	784	25	28.346	30.866	0.984	NBR	720x784x25 HFS R
						HNBR	720x784x25 HFS H
						FKM	720x784x25 HFS V
723,5	783,5	25	28.484	30.844	0.984	NBR	2831-3054-63 HFS R
						HNBR	2831-3054-63 HFS H
						FKM	2831-3054-63 HFS V
730	780	20	28.740	30.709	0.787	NBR	730x780x20 HFS R
						HNBR	730x780x20 HFS H
						FKM	730x780x20 HFS V

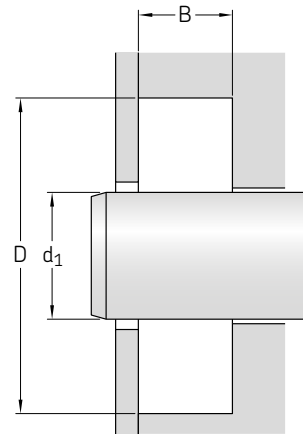
Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
730	794	25	28.740	31.260	0.984	NBR	730x794x25 HFS R
						HNBR	730x794x25 HFS H
						FKM	730x794x25 HFS V
733,5	797,5	25	28.878	31.398	0.984	NBR	733,5x797,5x25 HFS R
						HNBR	733,5x797,5x25 HFS H
						FKM	733,5x797,5x25 HFS V
736	800	25	28.976	31.496	0.984	NBR	736x800x25 HFS R
						HNBR	736x800x25 HFS H
						FKM	736x800x25 HFS V
740	782	18	29.134	30.787	0.709	NBR	740x782x18 HFS R
						HNBR	740x782x18 HFS H
						FKM	740x782x18 HFS V
740	804	25	29.134	31.654	0.984	NBR	740x804x25 HFS R
						HNBR	740x804x25 HFS H
						FKM	740x804x25 HFS V
748	812	25	29.449	31.969	0.984	NBR	748x812x25 HFS R
						HNBR	748x812x25 HFS H
						FKM	748x812x25 HFS V
750	800	22	29.528	31.496	0.866	NBR	750x800x22 HFS R
						HNBR	750x800x22 HFS H
						FKM	750x800x22 HFS V
750	800	25	29.528	31.496	0.984	NBR	750x800x25 HFS R
						HNBR	750x800x25 HFS H
						FKM	750x800x25 HFS V
750	800	27,5	29.528	31.496	1.083	NBR	750x800x27,5 HFS R
						HNBR	750x800x27,5 HFS H
						FKM	750x800x27,5 HFS V
750	810	30	29.528	31.890	1.181	NBR	750x810x30 HFS R
						HNBR	750x810x30 HFS H
						FKM	750x810x30 HFS V
750	814	25	29.528	32.047	0.984	NBR	750x814x25 HFS R
						HNBR	750x814x25 HFS H
						FKM	750x814x25 HFS V
750	814	28	29.528	32.047	1.102	NBR	750x814x28 HFS R
						HNBR	750x814x28 HFS H
						FKM	750x814x28 HFS V
753,5	817,5	25	29.665	32.185	0.984	NBR	753,5x817,5x25 HFS R
						HNBR	753,5x817,5x25 HFS H
						FKM	753,5x817,5x25 HFS V
753,5	817,5	28	29.665	32.185	1.102	NBR	753,5x817,5x28 HFS R
						HNBR	753,5x817,5x28 HFS H
						FKM	753,5x817,5x28 HFS V
760	820	25	29.921	32.283	0.984	NBR	760x820x25 HFS R
						HNBR	760x820x25 HFS H
						FKM	760x820x25 HFS V
773,7	825,5	23	30.461	32.500	0.906	NBR	773,7x825,5x23 HFS R
						HNBR	773,7x825,5x23 HFS H
						FKM	773,7x825,5x23 HFS V
774,7	820	22,22	30.500	32.281	0.875	NBR	3032-3218-56 HFS R
						HNBR	3032-3218-56 HFS H
						FKM	3032-3218-56 HFS V

HFS seals – rubber fabric reinforced

d₁ 750–990 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
774,7	838,2	22,22	30.500	33.000	0.875	NBR	3032-3300-56 HFS R
						HNBR	3032-3300-56 HFS H
						FKM	3032-3300-56 HFS V
775	825	25	30.512	32.480	0.984	NBR	775x825x25 HFS R
						HNBR	775x825x25 HFS H
						FKM	775x825x25 HFS V
780	844	25	30.709	33.228	0.984	NBR	780x844x25 HFS R
						HNBR	780x844x25 HFS H
						FKM	780x844x25 HFS V
787,4	838,2	22,22	31.000	33.000	0.875	NBR	3100-3300-56 HFS R
						HNBR	3100-3300-56 HFS H
						FKM	3100-3300-56 HFS V
790	854	25	31.102	33.622	0.984	NBR	790x854x25 HFS R
						HNBR	790x854x25 HFS H
						FKM	790x854x25 HFS V
800	840	25	31.496	33.071	0.984	NBR	800x840x25 HFS R
						HNBR	800x840x25 HFS H
						FKM	800x840x25 HFS V
800	864	25	31.496	34.016	0.984	NBR	800x864x25 HFS R
						HNBR	800x864x25 HFS H
						FKM	800x864x25 HFS V
800	870	30	31.496	34.252	1.181	NBR	800x870x30 HFS R
						HNBR	800x870x30 HFS H
						FKM	800x870x30 HFS V
800	874	25	31.496	34.409	0.984	NBR	800x874x25 HFS R
						HNBR	800x874x25 HFS H
						FKM	800x874x25 HFS V
805	869	25	31.693	34.213	0.984	NBR	805x869x25 HFS R
						HNBR	805x869x25 HFS H
						FKM	805x869x25 HFS V
809,61	873,11	25	31.875	34.375	0.984	NBR	3156-3424-63 HFS R
						HNBR	3156-3424-63 HFS H
						FKM	3156-3424-63 HFS V
810	860	25	31.890	33.858	0.984	NBR	810x860x25 HFS R
						HNBR	810x860x25 HFS H
						FKM	810x860x25 HFS V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
810	870	25	31.890	34.252	0.984	NBR	810x870x25 HFS R
						HNBR	810x870x25 HFS H
						FKM	810x870x25 HFS V
810	874	25	31.890	34.409	0.984	NBR	810x874x25 HFS R
						HNBR	810x874x25 HFS H
						FKM	810x874x25 HFS V
812,5	876,5	25	31.988	34.508	0.984	NBR	812,5x876,5x25 HFS R
						HNBR	812,5x876,5x25 HFS H
						FKM	812,5x876,5x25 HFS V
820	870	22	32.283	34.252	0.866	NBR	820x870x22 HFS R
						HNBR	820x870x22 HFS H
						FKM	820x870x22 HFS V
820	870	25	32.283	34.252	0.984	NBR	820x870x25 HFS R
						HNBR	820x870x25 HFS H
						FKM	820x870x25 HFS V
820	884	28	32.283	34.803	1.102	NBR	820x884x28 HFS R
						HNBR	820x884x28 HFS H
						FKM	820x884x28 HFS V
826	876	30	32.520	34.488	1.181	NBR	826x876x30 HFS R
						HNBR	826x876x30 HFS H
						FKM	826x876x30 HFS V
830	894	25	32.677	35.197	0.984	NBR	830x894x25 HFS R
						HNBR	830x894x25 HFS H
						FKM	830x894x25 HFS V
840	904	25	33.071	35.591	0.984	NBR	840x904x25 HFS R
						HNBR	840x904x25 HFS H
						FKM	840x904x25 HFS V
849,3	900,1	19,84	33.438	35.438	0.781	NBR	3328-3528-50 HFS R
						HNBR	3328-3528-50 HFS H
						FKM	3328-3528-50 HFS V
850	900	19	33.465	35.433	0.748	NBR	850x900x19 HFS R
						HNBR	850x900x19 HFS H
						FKM	850x900x19 HFS V
850	900	20	33.465	35.433	0.787	NBR	850x900x20 HFS R
						HNBR	850x900x20 HFS H
						FKM	850x900x20 HFS V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
850	910	25	33.465	35.827	0.984	NBR	850x910x25 HFS R
						HNBR	850x910x25 HFS H
						FKM	850x910x25 HFS V
850	914	25	33.465	35.984	0.984	NBR	850x914x25 HFS R
						HNBR	850x914x25 HFS H
						FKM	850x914x25 HFS V
850	924	25	33.465	36.378	0.984	NBR	850x924x25 HFS R
						HNBR	850x924x25 HFS H
						FKM	850x924x25 HFS V
850,9	900,1	19,84	33.500	35.438	0.781	NBR	3332-3528-50 HFS R
						HNBR	3332-3528-50 HFS H
						FKM	3332-3528-50 HFS V
860	920	25	33.858	36.220	0.984	NBR	860x920x25 HFS R
						HNBR	860x920x25 HFS H
						FKM	860x920x25 HFS V
860	924	25	33.858	36.378	0.984	NBR	860x924x25 HFS R
						HNBR	860x924x25 HFS H
						FKM	860x924x25 HFS V
880	944	25	34.646	37.165	0.984	NBR	880x944x25 HFS R
						HNBR	880x944x25 HFS H
						FKM	880x944x25 HFS V
880	944	25,6	34.646	37.165	1.008	NBR	880x944x25,6 HFS R
						HNBR	880x944x25,6 HFS H
						FKM	880x944x25,6 HFS V
890	954	25	35.039	37.559	0.984	NBR	890x954x25 HFS R
						HNBR	890x954x25 HFS H
						FKM	890x954x25 HFS V
900	960	30	35.433	37.795	1.181	NBR	900x960x30 HFS R
						HNBR	900x960x30 HFS H
						FKM	900x960x30 HFS V
900	964	25	35.433	37.953	0.984	NBR	900x964x25 HFS R
						HNBR	900x964x25 HFS H
						FKM	900x964x25 HFS V
900	980	23	35.433	38.583	0.906	NBR	900x980x23 HFS R
						HNBR	900x980x23 HFS H
						FKM	900x980x23 HFS V
910	974	25	35.827	38.346	0.984	NBR	910x974x25 HFS R
						HNBR	910x974x25 HFS H
						FKM	910x974x25 HFS V
930	980	20	36.614	38.583	0.787	NBR	930x980x20 HFS R
						HNBR	930x980x20 HFS H
						FKM	930x980x20 HFS V
930	994	25	36.614	39.134	0.984	NBR	930x994x25 HFS R
						HNBR	930x994x25 HFS H
						FKM	930x994x25 HFS V
930	1000	30	36.614	39.370	1.181	NBR	930x1000x30 HFS R
						HNBR	930x1000x30 HFS H
						FKM	930x1000x30 HFS V
940	1004	25	37.008	39.528	0.984	NBR	940x1004x25 HFS R
						HNBR	940x1004x25 HFS H
						FKM	940x1004x25 HFS V

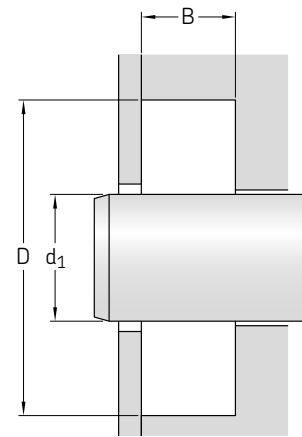
Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
950	1014	25	37.402	39.921	0.984	NBR	950x1014x25 HFS R
						HNBR	950x1014x25 HFS H
						FKM	950x1014x25 HFS V
965,2	1016	20	38.000	40.000	0.787	NBR	965,2x1016x20 HFS R
						HNBR	965,2x1016x20 HFS H
						FKM	965,2x1016x20 HFS V
965,2	1016	22,22	38.000	40.000	0.875	NBR	3800-4000-56 HFS R
						HNBR	3800-4000-56 HFS H
						FKM	3800-4000-56 HFS V
970	1030	21,5	38.189	40.551	0.846	NBR	970x1030x21,5 HFS R
						HNBR	970x1030x21,5 HFS H
						FKM	970x1030x21,5 HFS V
970	1034	25	38.189	40.709	0.984	NBR	970x1034x25 HFS R
						HNBR	970x1034x25 HFS H
						FKM	970x1034x25 HFS V
990	1040	22	38.976	40.945	0.866	NBR	990x1040x22 HFS R
						HNBR	990x1040x22 HFS H
						FKM	990x1040x22 HFS V
990	1040	25	38.976	40.945	0.984	NBR	990x1040x25 HFS R
						HNBR	990x1040x25 HFS H
						FKM	990x1040x25 HFS V
990	1054	25	38.976	41.496	0.984	NBR	990x1054x25 HFS R
						HNBR	990x1054x25 HFS H
						FKM	990x1054x25 HFS V
1000	1064	25	39.370	41.890	0.984	NBR	1000x1064x25 HFS R
						HNBR	1000x1064x25 HFS H
						FKM	1000x1064x25 HFS V
1020	1084	25	40.157	42.677	0.984	NBR	1020x1084x25 HFS R
						HNBR	1020x1084x25 HFS H
						FKM	1020x1084x25 HFS V
1055	1119	25	41.535	44.055	0.984	NBR	1055x1119x25 HFS R
						HNBR	1055x1119x25 HFS H
						FKM	1055x1119x25 HFS V
1080	1140	25	42.520	44.882	0.984	NBR	1080x1140x25 HFS R
						HNBR	1080x1140x25 HFS H
						FKM	1080x1140x25 HFS V
1105	1154	25	43.504	45.433	0.984	NBR	1105x1154x25 HFS R
						HNBR	1105x1154x25 HFS H
						FKM	1105x1154x25 HFS V
1105	1160	25	43.504	45.669	0.984	NBR	1105x1160x25 HFS R
						HNBR	1105x1160x25 HFS H
						FKM	1105x1160x25 HFS V
1110	1160	22	43.701	45.669	0.866	NBR	1110x1160x22 HFS R
						HNBR	1110x1160x22 HFS H
						FKM	1110x1160x22 HFS V
1166	1230	25	45.906	48.425	0.984	NBR	1166x1230x25 HFS R
						HNBR	1166x1230x25 HFS H
						FKM	1166x1230x25 HFS V
1220	1284	25	48.031	50.551	0.984	NBR	1220x1284x25 HFS R
						HNBR	1220x1284x25 HFS H
						FKM	1220x1284x25 HFS V

HFS seals – rubber fabric reinforced

d₁ 990–2 350 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
1 310	1 374	25	51.575	54.094	0.984	NBR	1310x1374x25 HFS R
						HNBR	1310x1374x25 HFS H
						FKM	1310x1374x25 HFS V
1 320	1 370	20	51.969	53.937	0.787	NBR	1320x1370x20 HFS R
						HNBR	1320x1370x20 HFS H
						FKM	1320x1370x20 HFS V
1 330	1 394	25	52.362	54.882	0.984	NBR	1330x1394x25 HFS R
						HNBR	1330x1394x25 HFS H
						FKM	1330x1394x25 HFS V
1 385	1 435	25	54.528	56.496	0.984	NBR	1385x1435x25 HFS R
						HNBR	1385x1435x25 HFS H
						FKM	1385x1435x25 HFS V
1 435	1 499	25	56.496	59.016	0.984	NBR	1435x1499x25 HFS R
						HNBR	1435x1499x25 HFS H
						FKM	1435x1499x25 HFS V
1 447,8	1 524	19,1	57.000	60.000	0.75	NBR	5700-6000-48 HFS R
						HNBR	5700-6000-48 HFS H
						FKM	5700-6000-48 HFS V
1 550	1 614	25	61.024	63.543	0.984	NBR	1550x1614x25 HFS R
						HNBR	1550x1614x25 HFS H
						FKM	1550x1614x25 HFS V
1 556	1 620	25	61.260	63.780	0.984	NBR	1556x1620x25 HFS R
						HNBR	1556x1620x25 HFS H
						FKM	1556x1620x25 HFS V
1 600	1 664	25,3	62.992	65.512	0.996	NBR	1600x1664x25,3 HFS R
						HNBR	1600x1664x25,3 HFS H
						FKM	1600x1664x25,3 HFS V
1 610	1 660	20	63.386	65.354	0.787	NBR	1610x1660x20 HFS R
						HNBR	1610x1660x20 HFS H
						FKM	1610x1660x20 HFS V
1 610	1 670	20	63.386	65.748	0.787	NBR	1610x1670x20 HFS R
						HNBR	1610x1670x20 HFS H
						FKM	1610x1670x20 HFS V
1 620	1 684	25	63.780	66.299	0.984	NBR	1620x1684x25 HFS R
						HNBR	1620x1684x25 HFS H
						FKM	1620x1684x25 HFS V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				

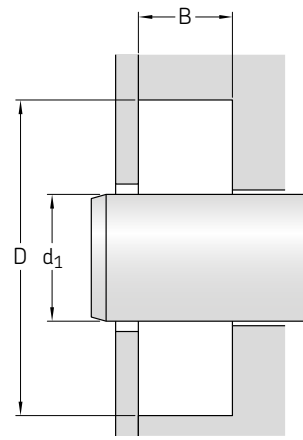
Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
1 656	1 720	25	65.197	67.717	0.984	NBR	1656x1720x25 HFS R
						HNBR	1656x1720x25 HFS H
						FKM	1656x1720x25 HFS V
2 350	2 414	25	92.520	95.039	0.984	NBR	2350x2414x25 HFS R
						HNBR	2350x2414x25 HFS H
						FKM	2350x2414x25 HFS V

Reinforced rubber seals – HFSA

d₁ 50–2 000 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
50	75	10	1.969	2.953	0.394	NBR	50x75x10 HFSA R
						HNBR	50x75x10 HFSA H
						FKM	50x75x10 HFSA V
54,0	82,6	12,7	2.125	3.250	0.500	NBR	208-316-32 HFSA R
						HNBR	208-316-32 HFSA H
						FKM	208-316-32 HFSA V
60	85	11	2.362	3.346	0.433	NBR	60x85x11 HFSA R
						HNBR	60x85x11 HFSA H
						FKM	60x85x11 HFSA V
69,9	108,0	14,3	2.750	4.250	0.563	NBR	248-416-36 HFSA R
						HNBR	248-416-36 HFSA H
						FKM	248-416-36 HFSA V
70	90	12	2.756	3.543	0.472	NBR	70x90x12 HFSA R
						HNBR	70x90x12 HFSA H
						FKM	70x90x12 HFSA V
70	102	12,5	2.756	4.016	0.492	NBR	70x102x12.5 HFSA R
						HNBR	70x102x12.5 HFSA H
						FKM	70x102x12.5 HFSA V
75	95	12	2.953	3.740	0.472	NBR	75x95x12 HFSA R
						HNBR	75x95x12 HFSA H
						FKM	75x95x12 HFSA V
75	100	11	2.953	3.937	0.433	NBR	75x100x11 HFSA R
						HNBR	75x100x11 HFSA H
						FKM	75x100x11 HFSA V
100	120	12	3.937	4.724	0.472	NBR	100x120x12 HFSA R
						HNBR	100x120x12 HFSA H
						FKM	100x120x12 HFSA V
105	130	12	4.134	5.118	0.472	NBR	105x130x12 HFSA R
						HNBR	105x130x12 HFSA H
						FKM	105x130x12 HFSA V
110	130	12	4.331	5.118	0.472	NBR	110x130x12 HFSA R
						HNBR	110x130x12 HFSA H
						FKM	110x130x12 HFSA V
115	140	12	4.528	5.512	0.472	NBR	115x140x12 HFSA R
						HNBR	115x140x12 HFSA H
						FKM	115x140x12 HFSA V

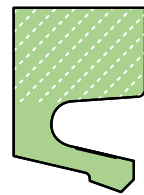
Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
115	150	15	4.528	5.906	0.591	NBR	115x150x15 HFSA R
						HNBR	115x150x15 HFSA H
						FKM	115x150x15 HFSA V
130	160	15	5.118	6.299	0.591	NBR	130x160x15 HFSA R
						HNBR	130x160x15 HFSA H
						FKM	130x160x15 HFSA V
140	180	16	5.512	7.087	0.630	NBR	140x180x16 HFSA R
						HNBR	140x180x16 HFSA H
						FKM	140x180x16 HFSA V
150	180	15	5.906	7.087	0.591	NBR	150x180x15 HFSA R
						HNBR	150x180x15 HFSA H
						FKM	150x180x15 HFSA V
160	185	12,5	6.299	7.283	0.492	NBR	160x185x13 HFSA R
						HNBR	160x185x13 HFSA H
						FKM	160x185x13 HFSA V
165	205	16	6.496	8.071	0.630	NBR	165x205x16 HFSA R
						HNBR	165x205x16 HFSA H
						FKM	165x205x16 HFSA V
171,5	196,9	15,9	6.750	7.750	0.625	NBR	648-748-40 HFSA R
						HNBR	648-748-40 HFSA H
						FKM	648-748-40 HFSA V
200	230	15	7.874	9.055	0.591	NBR	200x230x15 HFSA R
						HNBR	200x230x15 HFSA H
						FKM	200x230x15 HFSA V
200	240	16	7.874	9.449	0.630	NBR	200x240x16 HFSA R
						HNBR	200x240x16 HFSA H
						FKM	200x240x16 HFSA V
210	240	15	8.268	9.449	0.591	NBR	210x240x15 HFSA R
						HNBR	210x240x15 HFSA H
						FKM	210x240x15 HFSA V
210	240	17	8.268	9.449	0.669	NBR	210x240x17 HFSA R
						HNBR	210x240x17 HFSA H
						FKM	210x240x17 HFSA V
240	270	17	9.449	10.630	0.669	NBR	240x270x17 HFSA R
						HNBR	240x270x17 HFSA H
						FKM	240x270x17 HFSA V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
250	280	15	9.843	11.024	0.591	NBR	250x280x15 HFSA R
						HNBR	250x280x15 HFSA H
						FKM	250x280x15 HFSA V
250	290	16	9.843	11.417	0.630	NBR	250x290x16 HFSA R
						HNBR	250x290x16 HFSA H
						FKM	250x290x16 HFSA V
270	310	20	10.630	12.205	0.787	NBR	270x310x20 HFSA R
						HNBR	270x310x20 HFSA H
						FKM	270x310x20 HFSA V
279,4	311,2	15,9	11.000	12.250	0.625	NBR	1100-1216-40 HFSA R
						HNBR	1100-1216-40 HFSA H
						FKM	1100-1216-40 HFSA V
280	310	14	11.024	12.205	0.551	NBR	280x310x14 HFSA R
						HNBR	280x310x14 HFSA H
						FKM	280x310x14 HFSA V
288,9	342,9	31,8	11.375	13.500	1.250	NBR	1124-1332-116 HFSA R
						HNBR	1124-1332-116 HFSA H
						FKM	1124-1332-116 HFSA V
290	330	16	11.417	12.992	0.630	NBR	290x330x16 HFSA R
						HNBR	290x330x16 HFSA H
						FKM	290x330x16 HFSA V
290	334	20	11.417	13.150	0.787	NBR	290x334x20 HFSA R
						HNBR	290x334x20 HFSA H
						FKM	290x334x20 HFSA V
330	360	14	12.992	14.173	0.551	NBR	330x360x14 HFSA R
						HNBR	330x360x14 HFSA H
						FKM	330x360x14 HFSA V
330	370	20	12.992	14.567	0.787	NBR	330x370x20 HFSA R
						HNBR	330x370x20 HFSA H
						FKM	330x370x20 HFSA V
330	374	20	12.992	14.724	0.787	NBR	330x374x20 HFSA R
						HNBR	330x374x20 HFSA H
						FKM	330x374x20 HFSA V
335	390	20,6	13.189	15.354	0.811	NBR	335x390x20.6 HFSA R
						HNBR	335x390x20.6 HFSA H
						FKM	335x390x20.6 HFSA V
340	380	20,3	13.386	14.961	0.799	NBR	340x380x20.3 HFSA R
						HNBR	340x380x20.3 HFSA H
						FKM	340x380x20.3 HFSA V
370	410	20	14.567	16.142	0.787	NBR	370x410x20 HFSA R
						HNBR	370x410x20 HFSA H
						FKM	370x410x20 HFSA V
400	450	22	15.748	17.717	0.866	NBR	400x450x22 HFSA R
						HNBR	400x450x22 HFSA H
						FKM	400x450x22 HFSA V
400	460	28	15.748	18.110	1.102	NBR	400x460x28 HFSA R
						HNBR	400x460x28 HFSA H
						FKM	400x460x28 HFSA V
406,4	457,2	21,2	16.000	18.000	0.835	NBR	406,4x457,2x21,2 HFSA R
						HNBR	406,4x457,2x21,2 HFSA H
						FKM	406,4x457,2x21,2 HFSA V

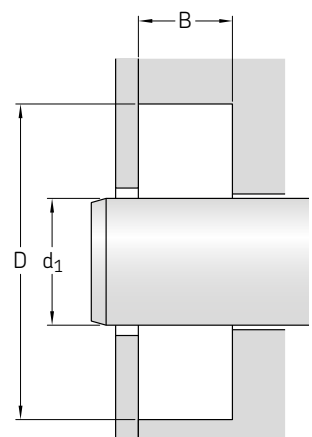
Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
590	640	22	23.228	25.197	0.866	NBR	590x640x22 HFSA R
						HNBR	590x640x22 HFSA H
						FKM	590x640x22 HFSA V
600	650	22	23.622	25.591	0.866	NBR	600x650x22 HFSA R
						HNBR	600x650x22 HFSA H
						FKM	600x650x22 HFSA V
735	799	25	28.937	31.457	0.984	NBR	735x799x25 HFSA R
						HNBR	735x799x25 HFSA H
						FKM	735x799x25 HFSA V
918	982	25	36.142	38.661	0.984	NBR	918x982x25 HFSA R
						HNBR	918x982x25 HFSA H
						FKM	918x982x25 HFSA V
940	1 000	25	37.008	39.370	0.984	NBR	940x1000x25 HFSA R
						HNBR	940x1000x25 HFSA H
						FKM	940x1000x25 HFSA V
2 000	2 050	20	78.740	80.709	0.787	NBR	2000x2050x20 HFSA R
						HNBR	2000x2050x20 HFSA H
						FKM	2000x2050x20 HFSA V

HFF seals – rubber fabric reinforced

d₁ 37–540 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
37	55	10	1.457	2.165	0.394	NBR	37x55x10 HFF R
						HNBR	37x55x10 HFF H
						FKM	37x55x10 HFF V
47,6	66,7	11,1	1.875	2.625	0.438	NBR	156-240-28 HFF R
						HNBR	156-240-28 HFF H
						FKM	156-240-28 HFF V
73,0	98,4	9,5	2.875	3.875	0.375	NBR	256-35624 HFF R
						HNBR	256-35624 HFF H
						FKM	256-35624 HFF V
90	122	12,5	3.543	4.803	0.492	NBR	90x122x12,5 HFF R
						HNBR	90x122x12,5 HFF H
						FKM	90x122x12,5 HFF V
98	120	13	3.858	4.724	0.512	NBR	98x120x13 HFF R
						HNBR	98x120x13 HFF H
						FKM	98x120x13 HFF V
100	132	12,5	3.937	5.197	0.492	NBR	100x132x12,5 HFF R
						HNBR	100x132x12,5 HFF H
						FKM	100x132x12,5 HFF V
110	140	15	4.331	5.512	0.591	NBR	110x140x15 HFF R
						HNBR	110x140x15 HFF H
						FKM	110x140x15 HFF V
120	160	12	4.724	6.299	0.472	NBR	120x160x12 HFF R
						HNBR	120x160x12 HFF H
						FKM	120x160x12 HFF V
120	160	16	4.724	6.299	0.630	NBR	120x160x16 HFF R
						HNBR	120x160x16 HFF H
						FKM	120x160x16 HFF V
123,8	158,8	12,7	4.875	6.250	0.500	NBR	456-616-32 HFF R
						HNBR	456-616-32 HFF H
						FKM	456-616-32 HFF V
135	170	15	5.315	6.693	0.591	NBR	135x170x15 HFF R
						HNBR	135x170x15 HFF H
						FKM	135x170x15 HFF V
140	160	13	5.512	6.299	0.512	NBR	140x160x13 HFF R
						HNBR	140x160x13 HFF H
						FKM	140x160x13 HFF V

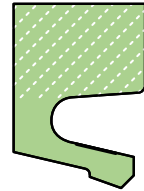
Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
150	170	15	5.906	6.693	0.591	NBR	150x170x15 HFF R
						HNBR	150x170x15 HFF H
						FKM	150x170x15 HFF V
170	210	16	6.693	8.268	0.630	NBR	170x210x16 HFF R
						HNBR	170x210x16 HFF H
						FKM	170x210x16 HFF V
194,8	235	20	7.669	9.252	0.787	NBR	194,8x235x20 HFF R
						HNBR	194,8x235x20 HFF H
						FKM	194,8x235x20 HFF V
195	220	20	7.677	8.661	0.787	NBR	195x220x20 HFF R
						HNBR	195x220x20 HFF H
						FKM	195x220x20 HFF V
200	240	16	7.874	9.449	0.630	NBR	200x240x16 HFF R
						HNBR	200x240x16 HFF H
						FKM	200x240x16 HFF V
200,0	238,1	17,5	7.875	9.375	0.688	NBR	756-924-44 HFF R
						HNBR	756-924-44 HFF H
						FKM	756-924-44 HFF V
215,9	266,7	19,1	8.500	10.500	0.750	NBR	832-1032-48 HFF R
						HNBR	832-1032-48 HFF H
						FKM	832-1032-48 HFF V
220	260	16	8.661	10.236	0.630	NBR	220x260x16 HFF R
						HNBR	220x260x16 HFF H
						FKM	220x260x16 HFF V
240	280	16	9.449	11.024	0.630	NBR	240x280x16 HFF R
						HNBR	240x280x16 HFF H
						FKM	240x280x16 HFF V
266,7	298,5	15,9	10.500	11.750	0.625	NBR	1032-1148-40 HFF R
						HNBR	1032-1148-40 HFF H
						FKM	1032-1148-40 HFF V
279,4	317,5	15	11.000	12.500	0.591	NBR	279,4x317,5x15 HFF R
						HNBR	279,4x317,5x15 HFF H
						FKM	279,4x317,5x15 HFF V
280	325	22	11.024	12.795	0.866	NBR	280x325x22 HFF R
						HNBR	280x325x22 HFF H
						FKM	280x325x22 HFF V

Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
285	310	16	11.220	12.205	0.630	NBR	285x310x16 HFF R
						HNBR	285x310x16 HFF H
						FKM	285x310x16 HFF V
285,8	323,9	19,1	11.250	12.750	0.750	NBR	1116-1248-48 HFF R
						HNBR	1116-1248-48 HFF H
						FKM	1116-1248-48 HFF V
288,5	349,3	22,2	11.359	13.750	0.875	NBR	1123-1348-56 HFF R
						HNBR	1123-1348-56 HFF H
						FKM	1123-1348-56 HFF V
298,5	330,2	19,1	11.750	13.000	0.750	NBR	1148-1300-48 HFF R
						HNBR	1148-1300-48 HFF H
						FKM	1148-1300-48 HFF V
300	330	15	11.811	12.992	0.591	NBR	300x330x15 HFF R
						HNBR	300x330x15 HFF H
						FKM	300x330x15 HFF V
300	340	16,5	11.811	13.386	0.650	NBR	300x340x16,5 HFF R
						HNBR	300x340x16,5 HFF H
						FKM	300x340x16,5 HFF V
300	340	20	11.811	13.386	0.787	NBR	300x340x20 HFF R
						HNBR	300x340x20 HFF H
						FKM	300x340x20 HFF V
300	360	30	11.811	14.173	1.181	NBR	300x360x30 HFF R
						HNBR	300x360x30 HFF H
						FKM	300x360x30 HFF V
310	340	15	12.205	13.386	0.591	NBR	310x340x15 HFF R
						HNBR	310x340x15 HFF H
						FKM	310x340x15 HFF V
316	360	20	12.441	14.173	0.787	NBR	316x360x20 HFF R
						HNBR	316x360x20 HFF H
						FKM	316x360x20 HFF V
317,5	349,3	19,1	12.500	13.750	0.750	NBR	1232-1348-48 HFF R
						HNBR	1232-1348-48 HFF H
						FKM	1232-1348-48 HFF V
318	368	25	12.520	14.488	0.984	NBR	318x368x25 HFF R
						HNBR	318x368x25 HFF H
						FKM	318x368x25 HFF V
320	350	15	12.598	13.780	0.591	NBR	320x350x15 HFF R
						HNBR	320x350x15 HFF H
						FKM	320x350x15 HFF V
350	380	16	13.780	14.961	0.630	NBR	350x380x16 HFF R
						HNBR	350x380x16 HFF H
						FKM	350x380x16 HFF V
350	390	18	13.780	15.354	0.709	NBR	350x390x18 HFF R
						HNBR	350x390x18 HFF H
						FKM	350x390x18 HFF V
355,6	393,7	19,1	14.000	15.500	0.750	NBR	1400-1532-48 HFF R
						HNBR	1400-1532-48 HFF H
						FKM	1400-1532-48 HFF V
360	400	18	14.173	15.748	0.709	NBR	360x400x18 HFF R
						HNBR	360x400x18 HFF H
						FKM	360x400x18 HFF V

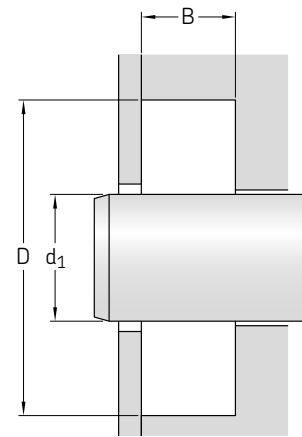
Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
374,8	419,1	19,1	14.756	16.500	0.750	NBR	374,8x419,1x19,1 HFF R
						HNBR	374,8x419,1x19,1 HFF H
						FKM	374,8x419,1x19,1 HFF V
380	424	20	14.961	16.693	0.787	NBR	380x424x20 HFF R
						HNBR	380x424x20 HFF H
						FKM	380x424x20 HFF V
381,0	419,1	19,1	15.000	16.500	0.750	NBR	1500-1632-48 HFF R
						HNBR	1500-1632-48 HFF H
						FKM	1500-1632-48 HFF V
406,4	457,2	20,6	16.000	18.000	0.813	NBR	1600-1800-52 HFF R
						HNBR	1600-1800-52 HFF H
						FKM	1600-1800-52 HFF V
419,1	450,9	19,1	16.500	17.750	0.750	NBR	1632-1748-48 HFF R
						HNBR	1632-1748-48 HFF H
						FKM	1632-1748-48 HFF V
420	460	20	16.535	18.110	0.787	NBR	420x460x20 HFF R
						HNBR	420x460x20 HFF H
						FKM	420x460x20 HFF V
435	485	22	17.126	19.094	0.866	NBR	435x485x22 HFF R
						HNBR	435x485x22 HFF H
						FKM	435x485x22 HFF V
440	470	20	17.323	18.504	0.787	NBR	440x470x20 HFF R
						HNBR	440x470x20 HFF H
						FKM	440x470x20 HFF V
440	480	20	17.323	18.898	0.787	NBR	440x480x20 HFF R
						HNBR	440x480x20 HFF H
						FKM	440x480x20 HFF V
457,2	508	25,4	18.000	20.000			

HFF seals – rubber fabric reinforced

d₁ 580–1 163 mm

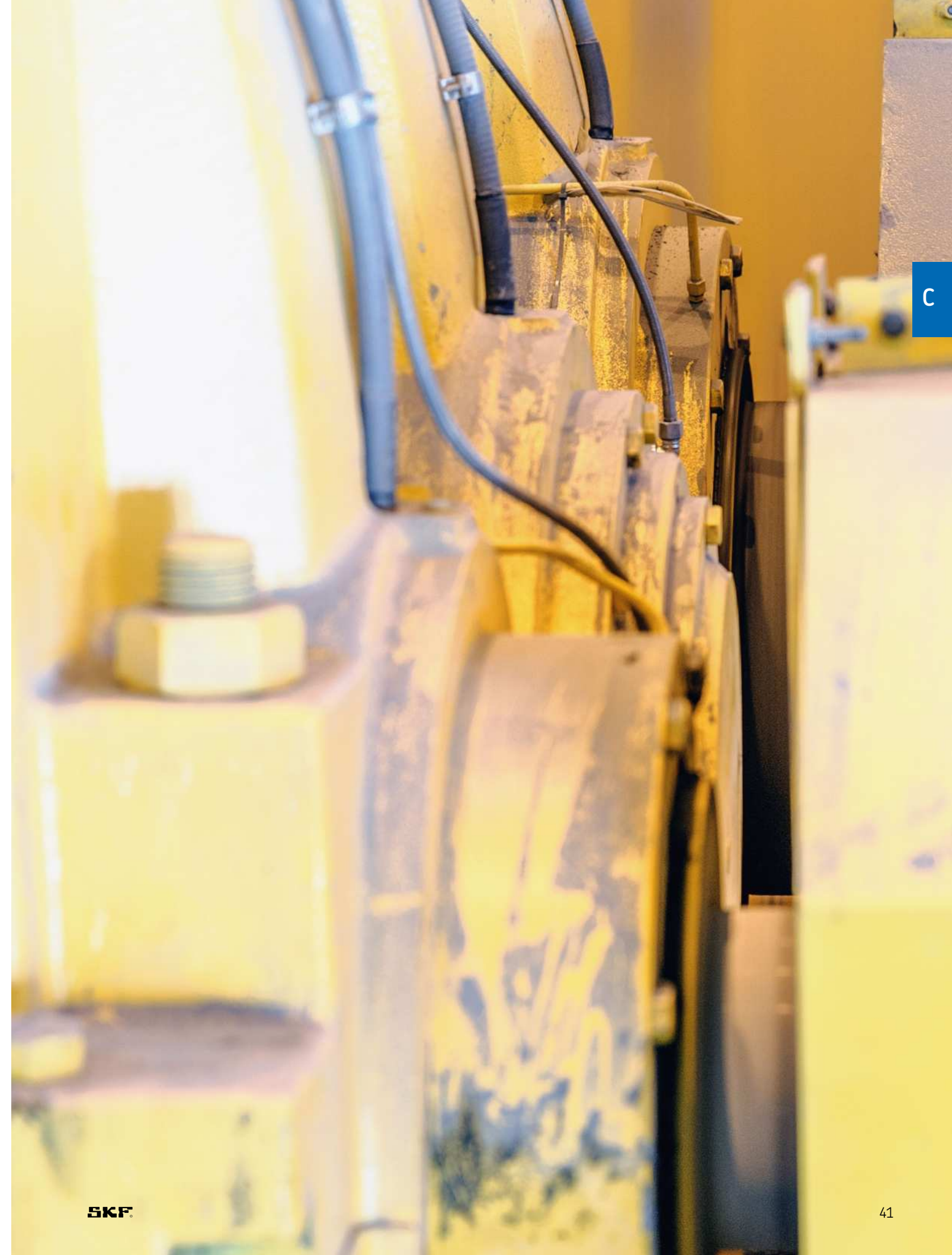


The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
580	615	20	22.835	24.213	0.787	NBR	580x615x20 HFF R
						HNBR	580x615x20 HFF H
						FKM	580x615x20 HFF V
609,6	673,1	25,4	24.000	26.500	1.000	NBR	2400-2632-64 HFF R
						HNBR	2400-2632-64 HFF H
						FKM	2400-2632-64 HFF V
640	700	25	25.197	27.559	0.984	NBR	640x700x25 HFF R
						HNBR	640x700x25 HFF H
						FKM	640x700x25 HFF V
670	710	20	26.378	27.953	0.787	NBR	670x710x20 HFF R
						HNBR	670x710x20 HFF H
						FKM	670x710x20 HFF V
707,3	758,0	22,2	27.844	29.844	0.875	NBR	2754-2954-56 HFF R
						HNBR	2754-2954-56 HFF H
						FKM	2754-2954-56 HFF V
720	770	20	28.346	30.315	0.787	NBR	720x770x20 HFF R
						HNBR	720x770x20 HFF H
						FKM	720x770x20 HFF V
745	795	30	29.331	31.299	1.181	NBR	745x795x30 HFF R
						HNBR	745x795x30 HFF H
						FKM	745x795x30 HFF V
750	800	22	29.528	31.496	0.866	NBR	750x800x22 HFF R
						HNBR	750x800x22 HFF H
						FKM	750x800x22 HFF V
850	910	25	33.465	35.827	0.984	NBR	850x910x25 HFF R
						HNBR	850x910x25 HFF H
						FKM	850x910x25 HFF V
860	910	22	33.858	35.827	0.866	NBR	860x910x22 HFF R
						HNBR	860x910x22 HFF H
						FKM	860x910x22 HFF V
920	970	20	36.220	38.189	0.787	NBR	920x970x20 HFF R
						HNBR	920x970x20 HFF H
						FKM	920x970x20 HFF V
980	1 054	25	38.583	41.496	0.984	NBR	980x1054x25 HFF R
						HNBR	980x1054x25 HFF H
						FKM	980x1054x25 HFF V

Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
990	1 054	25	38.976	41.496	0.984	NBR	990x1054x25 HFF R
						HNBR	990x1054x25 HFF H
						FKM	990x1054x25 HFF V
1 054,1	1 104,9	22,2	41.500	43.500	0.875	NBR	4132-4332-56 HFF R
						HNBR	4132-4332-56 HFF H
						FKM	4132-4332-56 HFF V
1 064	1 124	25	41.890	44.252	0.984	NBR	1064x1124x25 HFF R
						HNBR	1064x1124x25 HFF H
						FKM	1064x1124x25 HFF V
1 163	1 225	25	45.787	48.228	0.984	NBR	1163x1225x25 HFF R
						HNBR	1163x1225x25 HFF H
						FKM	1163x1225x25 HFF V

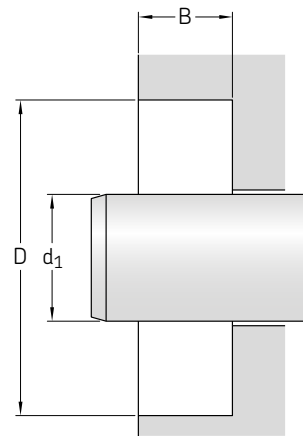


HBS seals – rubber metal reinforced

d₁ 50–165,1 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm		in.					
50	70	10	1.969	2.756	0.394	NBR	50x70x10 HBS R
						HNBR	50x70x10 HBS H
						FKM	50x70x10 HBS V
55	80	10	2.165	3.150	0.394	NBR	55x80x10 HBS R
						HNBR	55x80x10 HBS H
						FKM	55x80x10 HBS V
60	80	8	2.362	3.150	0.315	NBR	60x80x8 HBS R
						HNBR	60x80x8 HBS H
						FKM	60x80x8 HBS V
65	90	12	2.559	3.543	0.472	NBR	65x90x12 HBS R
						HNBR	65x90x12 HBS H
						FKM	65x90x12 HBS V
65	100	13	2.559	3.937	0.512	NBR	65x100x13 HBS R
						HNBR	65x100x13 HBS H
						FKM	65x100x13 HBS V
70	95	12	2.756	3.740	0.472	NBR	70x95x12 HBS R
						HNBR	70x95x12 HBS H
						FKM	70x95x12 HBS V
75	95	10	2.953	3.740	0.394	NBR	75x95x10 HBS R
						HNBR	75x95x10 HBS H
						FKM	75x95x10 HBS V
75	95	12,5	2.953	3.740	0.492	NBR	75x95x12,5 HBS R
						HNBR	75x95x12,5 HBS H
						FKM	75x95x12,5 HBS V
76	102	10	2.992	4.016	0.394	NBR	76x102x10 HBS R
						HNBR	76x102x10 HBS H
						FKM	76x102x10 HBS V
80	100	10	3.150	3.937	0.394	NBR	80x100x10 HBS R
						HNBR	80x100x10 HBS H
						FKM	80x100x10 HBS V
85	110	12	3.346	4.331	0.472	NBR	85x110x12 HBS R
						HNBR	85x110x12 HBS H
						FKM	85x110x12 HBS V
85	110	12,5	3.346	4.331	0.492	NBR	85x110x12,5 HBS R
						HNBR	85x110x12,5 HBS H
						FKM	85x110x12,5 HBS V

Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm		in.					
88,9	114,3	12,7	3.500	4.500	0.500	NBR	332-432-32 HBS R
						HNBR	332-432-32 HBS H
						FKM	332-432-32 HBS V
88,9	114,3	13	3.500	4.500	0.512	NBR	88,9x114,3x13 HBS R
						HNBR	88,9x114,3x13 HBS H
						FKM	88,9x114,3x13 HBS V
88,9	127,0	11,9	3.500	5.000	0.469	NBR	332-500-30 HBS R
						HNBR	332-500-30 HBS H
						FKM	332-500-30 HBS V
90	110	12	3.543	4.331	0.472	NBR	90x110x12 HBS R
						HNBR	90x110x12 HBS H
						FKM	90x110x12 HBS V
90	115	15	3.543	4.528	0.591	NBR	90x115x15 HBS R
						HNBR	90x115x15 HBS H
						FKM	90x115x15 HBS V
90	120	12	3.543	4.724	0.472	NBR	90x120x12 HBS R
						HNBR	90x120x12 HBS H
						FKM	90x120x12 HBS V
90	122	12,5	3.543	4.803	0.492	NBR	90x122x12,5 HBS R
						HNBR	90x122x12,5 HBS H
						FKM	90x122x12,5 HBS V
90	140	11	3.543	5.512	0.433	NBR	90x140x11 HBS R
						HNBR	90x140x11 HBS H
						FKM	90x140x11 HBS V
95,3	120,7	12,7	3.750	4.750	0.500	NBR	348-448-32 HBS R
						HNBR	348-448-32 HBS H
						FKM	348-448-32 HBS V
100	120	13	3.937	4.724	0.512	NBR	100x120x13 HBS R
						HNBR	100x120x13 HBS H
						FKM	100x120x13 HBS V
100	130	12	3.937	5.118	0.472	NBR	100x130x12 HBS R
						HNBR	100x130x12 HBS H
						FKM	100x130x12 HBS V
100	132	12,5	3.937	5.197	0.492	NBR	100x132x12,5 HBS R
						HNBR	100x132x12,5 HBS H
						FKM	100x132x12,5 HBS V

Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm		in.					
105	130	12	4.134	5.118	0.472	NBR	105x130x12 HBS R
						HNBR	105x130x12 HBS H
						FKM	105x130x12 HBS V
105	130	13	4.134	5.118	0.512	NBR	105x130x13 HBS R
						HNBR	105x130x13 HBS H
						FKM	105x130x13 HBS V
105	131	13	4.134	5.157	0.512	NBR	105x131x13 HBS R
						HNBR	105x131x13 HBS H
						FKM	105x131x13 HBS V
110	130	13	4.331	5.118	0.512	NBR	110x130x13 HBS R
						HNBR	110x130x13 HBS H
						FKM	110x130x13 HBS V
110	130	12	4.331	5.118	0.472	NBR	110x130x12 HBS R
						HNBR	110x130x12 HBS H
						FKM	110x130x12 HBS V
110	140	12	4.331	5.512	0.472	NBR	110x140x12 HBS R
						HNBR	110x140x12 HBS H
						FKM	110x140x12 HBS V
112,7	139,7	14,3	4.438	5.500	0.563	NBR	428-532-36 HBS R
						HNBR	428-532-36 HBS H
						FKM	428-532-36 HBS V
115	140	12	4.528	5.512	0.472	NBR	115x140x12 HBS R
						HNBR	115x140x12 HBS H
						FKM	115x140x12 HBS V
118	150	12	4.646	5.906	0.472	NBR	118x150x12 HBS R
						HNBR	118x150x12 HBS H
						FKM	118x150x12 HBS V
120	150	13	4.724	5.906	0.512	NBR	120x150x13 HBS R
						HNBR	120x150x13 HBS H
						FKM	120x150x13 HBS V
120	160	16	4.724	6.299	0.630	NBR	120x160x16 HBS R
						HNBR	120x160x16 HBS H
						FKM	120x160x16 HBS V
120,7	146,1	9,9	4.750	5.750	0.391	NBR	448-548-25 HBS R
						HNBR	448-548-25 HBS H
						FKM	448-548-25 HBS V
125	150	12	4.921	5.906	0.472	NBR	125x150x12 HBS R
						HNBR	125x150x12 HBS H
						FKM	125x150x12 HBS V
125	170	15	4.921	6.693	0.591	NBR	125x170x15 HBS R
						HNBR	125x170x15 HBS H
						FKM	125x170x15 HBS V
130,1	158,8	14,3	5.125	6.250	0.563	NBR	508-616-36 HBS R
						HNBR	508-616-36 HBS H
						FKM	508-616-36 HBS V
133,3	158,9	12,7	5.248	6.256	0.500	NBR	133x159x13 HBS R
						HNBR	133x159x13 HBS H
						FKM	133x159x13 HBS V
135	170	15	5.315	6.693	0.591	NBR	135x170x15 HBS R
						HNBR	135x170x15 HBS H
						FKM	135x170x15 HBS V

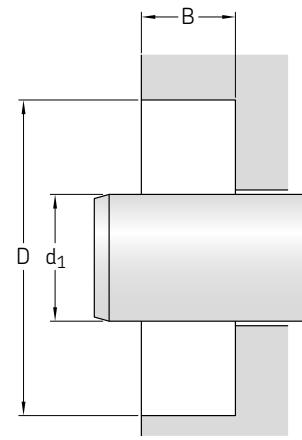
Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm		in.					
140	165	12	5.512	6.496	0.472	NBR	140x165x12 HBS R
						HNBR	140x165x12 HBS H
						FKM	140x165x12 HBS V
140	170	15	5.512	6.693	0.591	NBR	140x170x15 HBS R
						HNBR	140x170x15 HBS H
						FKM	140x170x15 HBS V
145	160	15	5.709	6.299	0.591	NBR	145x160x15 HBS R
						HNBR	145x160x15 HBS H
						FKM	145x160x15 HBS V
145	170	15	5.709	6.693	0.591	NBR	145x170x15 HBS R
						HNBR	145x170x15 HBS H
						FKM	145x170x15 HBS V
146	177,8	15,8	5.748	7.000	0.622	NBR	146x177,8x15,8 HBS R
						HNBR	146x177,8x15,8 HBS H
						FKM	146x177,8x15,8 HBS V
146	190,5	15	5.748	7.500	0.591	NBR	146x190,5x15 HBS R
						HNBR	146x190,5x15 HBS H
						FKM	146x190,5x15 HBS V
146,1	184,2	15,9	5.750	7.250	0.625	NBR	548-716-40 HBS R
						HNBR	548-716-40 HBS H
						FKM	548-716-40 HBS V
148	170	16	5.827	6.693	0.630	NBR	148x170x16 HBS R
						HNBR	148x170x16 HBS H
						FKM	148x170x16 HBS V
150	180	15	5.906	7.087	0.591	NBR	150x180x15 HBS R
						HNBR	150x180x15 HBS H
						FKM	150x180x15 HBS V
150	180	14	5.906	7.087	0.551	NBR	150x180x14 HBS R
						HNBR	150x180x14 HBS H
						FKM	150x180x14 HBS V
150	190	15	5.906	7.480	0.591	NBR	150x190x15 HBS R
						HNBR	150x190x15 HBS H
						FKM	150x190x15 HBS V
155,3	181,0	15,9	6.113	7.125	0.625	NBR	155,3x181x15,9 HBS R
						HNBR	155,3x181x15,9 HBS H
						FKM	155,3x181x15,9 HBS V
160	200	16	6.299	7.874	0.630	NBR	160x200x16 HBS R
						HNBR	160x200x16 HBS H
						FKM	160x200x16 HBS V
162	190	12	6.378	7.480	0.472	NBR	162x190x12 HBS R
						HNBR	162x190x12 HBS H
						FKM	162x190x12 HBS V
165	190	15	6.496	7.480	0.591	NBR	165x190x15 HBS R
						HNBR	165x190x15 HBS H
						FKM	165x190x15 HBS V
165	195	15	6.496	7.677	0.591	NBR	165x195x15 HBS R
						HNBR	165x195x15 HBS H
						FKM	165x195x15 HBS V
165,1	190,5	15,9	6.500	7.500	0.625	NBR	632-732-40 HBS R
						HNBR	632-732-40 HBS H
						FKM	632-732-40 HBS V

HBS seals – rubber metal reinforced

d₁ 170–310 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm		in.					
170	200	15	6.693	7.874	0.591	NBR	170x200x15 HBS R
						HNBR	170x200x15 HBS H
						FKM	170x200x15 HBS V
170	210	16	6.693	8.268	0.630	NBR	170x210x16 HBS R
						HNBR	170x210x16 HBS H
						FKM	170x210x16 HBS V
175	200	15	6.890	7.874	0.591	NBR	175x200x15 HBS R
						HNBR	175x200x15 HBS H
						FKM	175x200x15 HBS V
175	215	15	6.890	8.465	0.591	NBR	175x215x15 HBS R
						HNBR	175x215x15 HBS H
						FKM	175x215x15 HBS V
180	210	15	7.087	8.268	0.591	NBR	180x210x15 HBS R
						HNBR	180x210x15 HBS H
						FKM	180x210x15 HBS V
180	220	12	7.087	8.661	0.472	NBR	180x220x12 HBS R
						HNBR	180x220x12 HBS H
						FKM	180x220x12 HBS V
181,0	209,6	19,1	7.125	8.250	0.750	NBR	708-816-48 HBS R
						HNBR	708-816-48 HBS H
						FKM	708-816-48 HBS V
182	215	16	7.165	8.465	0.630	NBR	182x215x16 HBS R
						HNBR	182x215x16 HBS H
						FKM	182x215x16 HBS V
190	220	16	7.480	8.661	0.630	NBR	190x220x16 HBS R
						HNBR	190x220x16 HBS H
						FKM	190x220x16 HBS V
190	220	15	7.480	8.661	0.591	NBR	190x220x15 HBS R
						HNBR	190x220x15 HBS H
						FKM	190x220x15 HBS V
200	230	15	7.874	9.055	0.591	NBR	200x230x15 HBS R
						HNBR	200x230x15 HBS H
						FKM	200x230x15 HBS V
200	240	15	7.874	9.449	0.591	NBR	200x240x15 HBS R
						HNBR	200x240x15 HBS H
						FKM	200x240x15 HBS V

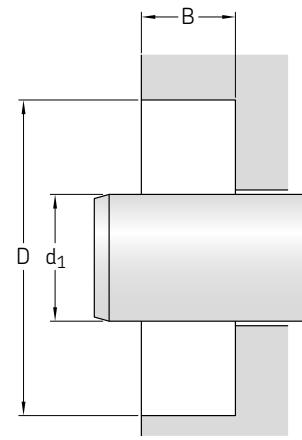
Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm		in.					
200	240	16	7.874	9.449	0.630	NBR	200x240x16 HBS R
						HNBR	200x240x16 HBS H
						FKM	200x240x16 HBS V
200,0	238,1	19,1	7.875	9.375	0.750	NBR	756-924-48 HBS R
						HNBR	756-924-48 HBS H
						FKM	756-924-48 HBS V
210	240	15	8.268	9.449	0.591	NBR	210x240x15 HBS R
						HNBR	210x240x15 HBS H
						FKM	210x240x15 HBS V
215	240	12	8.465	9.449	0.472	NBR	215x240x12 HBS R
						HNBR	215x240x12 HBS H
						FKM	215x240x12 HBS V
215	248	15	8.465	9.764	0.591	NBR	215x248x15 HBS R
						HNBR	215x248x15 HBS H
						FKM	215x248x15 HBS V
215	260	16	8.465	10.236	0.630	NBR	215x260x16 HBS R
						HNBR	215x260x16 HBS H
						FKM	215x260x16 HBS V
220	250	15	8.661	9.843	0.591	NBR	220x250x15 HBS R
						HNBR	220x250x15 HBS H
						FKM	220x250x15 HBS V
220	250	15	8.661	9.843	0.591	NBR	220x250x15 HBS R
						HNBR	220x250x15 HBS H
						FKM	220x250x15 HBS V
225	250	13	8.858	9.843	0.512	NBR	225x250x13 HBS R
						HNBR	225x250x13 HBS H
						FKM	225x250x13 HBS V
225	255	15	8.858	10.039	0.591	NBR	225x255x15 HBS R
						HNBR	225x255x15 HBS H
						FKM	225x255x15 HBS V
227	254	12	8.937	10.000	0.472	NBR	227x254x12 HBS R
						HNBR	227x254x12 HBS H
						FKM	227x254x12 HBS V
227	254	16	8.937	10.000	0.630	NBR	227x254x16 HBS R
						HNBR	227x254x16 HBS H
						FKM	227x254x16 HBS V

Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm		in.					
230	260	15	9.055	10.236	0.591	NBR	230x260x15 HBS R
						HNBR	230x260x15 HBS H
						FKM	230x260x15 HBS V
230	260	16	9.055	10.236	0.630	NBR	230x260x16 HBS R
						HNBR	230x260x16 HBS H
						FKM	230x260x16 HBS V
240	270	15	9.449	10.630	0.591	NBR	240x270x15 HBS R
						HNBR	240x270x15 HBS H
						FKM	240x270x15 HBS V
240	270	17	9.449	10.630	0.669	NBR	240x270x17 HBS R
						HNBR	240x270x17 HBS H
						FKM	240x270x17 HBS V
240	280	16	9.449	11.024	0.630	NBR	240x280x16 HBS R
						HNBR	240x280x16 HBS H
						FKM	240x280x16 HBS V
240	280	15	9.449	11.024	0.591	NBR	240x280x15 HBS R
						HNBR	240x280x15 HBS H
						FKM	240x280x15 HBS V
241,3	292,1	25,4	9.500	11.500	1.000	NBR	932-1132-64 HBS R
						HNBR	932-1132-64 HBS H
						FKM	932-1132-64 HBS V
250,0	281,7	15,9	9.844	11.094	0.625	NBR	954-1106-40 HBS R
						HNBR	954-1106-40 HBS H
						FKM	954-1106-40 HBS V
250	290	16	9.843	11.417	0.630	NBR	250x290x16 HBS R
						HNBR	250x290x16 HBS H
						FKM	250x290x16 HBS V
260	290	19	10.236	11.417	0.748	NBR	260x290x19 HBS R
						HNBR	260x290x19 HBS H
						FKM	260x290x19 HBS V
260	290	16	10.236	11.417	0.630	NBR	260x290x16 HBS R
						HNBR	260x290x16 HBS H
						FKM	260x290x16 HBS V
260	290	20	10.236	11.417	0.787	NBR	260x290x20 HBS R
						HNBR	260x290x20 HBS H
						FKM	260x290x20 HBS V
260	290	20	10.236	11.417	0.787	NBR	260x290x20 HBS R
						HNBR	260x290x20 HBS H
						FKM	260x290x20 HBS V
270	300	15	10.630	11.811	0.591	NBR	270x300x15 HBS R
						HNBR	270x300x15 HBS H
						FKM	270x300x15 HBS V
270	314	20	10.630	12.362	0.787	NBR	270x314x20 HBS R
						HNBR	270x314x20 HBS H
						FKM	270x314x20 HBS V
273,1	298,5	14,3	10.752	11.752	0.563	NBR	273,1x298,5x14,3 HBS R
						HNBR	273,1x298,5x14,3 HBS H
						FKM	273,1x298,5x14,3 HBS V

Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm		in.					
275	310	15	10.827	12.205	0.591	NBR	275x310x15 HBS R
						HNBR	275x310x15 HBS H
						FKM	275x310x15 HBS V
275	310	15	10.827	12.205	0.591	NBR	275x310x15 HBS R
						HNBR	275x310x15 HBS H
						FKM	275x310x15 HBS V
275	315	20	10.827	12.402	0.787	NBR	275x315x20 HBS R
						HNBR	275x315x20 HBS H
						FKM	275x315x20 HBS V
280	320	20	11.024	12.598	0.787	NBR	280x320x20 HBS R
						HNBR	280x320x20 HBS H
						FKM	280x320x20 HBS V
280	320	20	11.024	12.598	0.787	NBR	280x320x20 HBS R
						HNBR	280x320x20 HBS H
						FKM	280x320x20 HBS V
290	330	20	11.417	12.992	0.787	NBR	290x330x20 HBS R
						HNBR	290x330x20 HBS H
						FKM	290x330x20 HBS V
290	330	18	11.417	12.992	0.709	NBR	290x330x18 HBS R
						HNBR	290x330x18 HBS H
						FKM	290x330x18 HBS V
290	425	23	11.417	16.732	0.906	NBR	290x425x23 HBS R
						HNBR	290x425x23 HBS H
						FKM	290x425x23 HBS V
292,1	342,9	23,0	11.500	13.500	0.906	NBR	1132-1332-58 HBS R
						HNBR	1132-1332-58 HBS H
						FKM	1132-1332-58 HBS V
300	340	15	11.811	13.386	0.591	NBR	300x340x15 HBS R
						HNBR	300x340x15 HBS H
						FKM	300x340x15 HBS V
300	344	20	11.811	13.543	0.787	NBR	300x344x20 HBS R
						HNBR	300x344x20 HBS H
						FKM	300x344x20 HBS V
300	344	20	11.811	13.543	0.787	NBR	300x344x20 HBS R
						HNBR	300x344x20 HBS H
						FKM	300x344x20 HBS V
310	347,7	15,9	12.205	13.688	0.625	NBR	310x347,7x15,9 HBS R
						HNBR	310x347,7x15,9 HBS H
						FKM	310x347,7x15,9 HBS V
310	350	20	12.205	13.780	0.787	NBR	310x350x20 HBS R
						HNBR	310x350x20 HBS H
						FKM	310x350x20 HBS V
310	350	18	12.205	13.780	0.709	NBR	310x350x18 HBS R
						HNBR	310x350x18 HBS H
						FKM	310x350x18 HBS V
310	354	18	12.205	13.937	0.709	NBR	310x354x18 HBS R
						HNBR	310x354x18 HBS H
						FKM	310x354x18 HBS V
310	354	20	12.205	13.937	0.787	NBR	310x354x20 HBS R
						HNBR	310x354x20 HBS H
						FKM	310x354x20 HBS V



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
312	356	20	12.283	14.016	0.787	NBR	312x356x20 HBS R
						HNBR	312x356x20 HBS H
						FKM	312x356x20 HBS V
320	360	20	12.598	14.173	0.787	NBR	320x360x20 HBS R
						HNBR	320x360x20 HBS H
						FKM	320x360x20 HBS V
324,7	354	15	12.783	13.937	0.591	NBR	325x354x15 HBS R
						HNBR	325x354x15 HBS H
						FKM	325x354x15 HBS V
325	365	18	12.795	14.370	0.709	NBR	325x365x18 HBS R
						HNBR	325x365x18 HBS H
						FKM	325x365x18 HBS V
330	370	20	12.992	14.567	0.787	NBR	330x370x20 HBS R
						HNBR	330x370x20 HBS H
						FKM	330x370x20 HBS V
335	375	22	13.189	14.764	0.866	NBR	335x375x22 HBS R
						HNBR	335x375x22 HBS H
						FKM	335x375x22 HBS V
340	372	16	13.386	14.646	0.630	NBR	340x372x16 HBS R
						HNBR	340x372x16 HBS H
						FKM	340x372x16 HBS V
340	378	16	13.386	14.882	0.630	NBR	340x378x16 HBS R
						HNBR	340x378x16 HBS H
						FKM	340x378x16 HBS V
350	390	16	13.780	15.354	0.630	NBR	350x390x16 HBS R
						HNBR	350x390x16 HBS H
						FKM	350x390x16 HBS V
350	390	18	13.780	15.354	0.709	NBR	350x390x18 HBS R
						HNBR	350x390x18 HBS H
						FKM	350x390x18 HBS V
350	394	20	13.780	15.512	0.787	NBR	350x394x20 HBS R
						HNBR	350x394x20 HBS H
						FKM	350x394x20 HBS V
355	395	20	13.976	15.551	0.787	NBR	355x395x20 HBS R
						HNBR	355x395x20 HBS H
						FKM	355x395x20 HBS V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
370	410	15	14.567	16.142	0.591	NBR	370x410x15 HBS R
						HNBR	370x410x15 HBS H
						FKM	370x410x15 HBS V
370	414	17	14.567	16.299	0.669	NBR	370x414x17 HBS R
						HNBR	370x414x17 HBS H
						FKM	370x414x17 HBS V
380	420	22	14.961	16.535	0.866	NBR	380x420x22 HBS R
						HNBR	380x420x22 HBS H
						FKM	380x420x22 HBS V
380	420	20	14.961	16.535	0.787	NBR	380x420x20 HBS R
						HNBR	380x420x20 HBS H
						FKM	380x420x20 HBS V
380	420	22	14.961	16.535	0.866	NBR	380x420x22 HBS R
						HNBR	380x420x22 HBS H
						FKM	380x420x22 HBS V
381	444,5	22,2	15.000	17.500	0.875	NBR	1500-1732-56 HBS R
						HNBR	1500-1732-56 HBS H
						FKM	1500-1732-56 HBS V
392	448	18	15.433	17.638	0.709	NBR	392x448x18 HBS R
						HNBR	392x448x18 HBS H
						FKM	392x448x18 HBS V
400	440	18	15.748	17.323	0.709	NBR	400x440x18 HBS R
						HNBR	400x440x18 HBS H
						FKM	400x440x18 HBS V
400	450	22	15.748	17.717	0.866	NBR	400x450x22 HBS R
						HNBR	400x450x22 HBS H
						FKM	400x450x22 HBS V
425	483	23	16.732	19.016	0.906	NBR	425x483x23 HBS R
						HNBR	425x483x23 HBS H
						FKM	425x483x23 HBS V
440	469	12,5	17.323	18.465	0.492	NBR	440x469x13 HBS R
						HNBR	440x469x13 HBS H
						FKM	440x469x13 HBS V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
440	480	20	17.323	18.898	0.787	NBR	440x480x20 HBS R
						HNBR	440x480x20 HBS H
						FKM	440x480x20 HBS V
445	485	20	17.520	19.094	0.787	NBR	445x485x20 HBS R
						HNBR	445x485x20 HBS H
						FKM	445x485x20 HBS V
445	485	20	17.520	19.094	0.787	NBR	445x485x20 HBS R
						HNBR	445x485x20 HBS H
						FKM	445x485x20 HBS V
450	500	25	17.717	19.685	0.984	NBR	450x500x25 HBS R
						HNBR	450x500x25 HBS H
						FKM	450x500x25 HBS V
450	500	25	17.717	19.685	0.984	NBR	450x500x25 HBS R
						HNBR	450x500x25 HBS H
						FKM	450x500x25 HBS V
455	505	25	17.913	19.882	0.984	NBR	455x505x25 HBS R
						HNBR	455x505x25 HBS H
						FKM	455x505x25 HBS V
460	500	20	18.110	19.685	0.787	NBR	460x500x20 HBS R
						HNBR	460x500x20 HBS H
						FKM	460x500x20 HBS V
460	510	22	18.110	20.079	0.866	NBR	460x510x22 HBS R
						HNBR	460x510x22 HBS H
						FKM	460x510x22 HBS V
460	510	22	18.110	20.079	0.866	NBR	460x510x22 HBS R
						HNBR	460x510x22 HBS H
						FKM	460x510x22 HBS V
470	510	20	18.504	20.079	0.787	NBR	470x510x20 HBS R
						HNBR	470x510x20 HBS H
						FKM	470x510x20 HBS V
470	520	22	18.504	20.472	0.866	NBR	470x520x22 HBS R
						HNBR	470x520x22 HBS H
						FKM	470x520x22 HBS V
470	520	23	18.504	20.472	0.906	NBR	470x520x23 HBS R
						HNBR	470x520x23 HBS H
						FKM	470x520x23 HBS V
480	524	25	18.898	20.630	0.984	NBR	480x524x25 HBS R
						HNBR	480x524x25 HBS H
						FKM	480x524x25 HBS V
482,6	520,7	26,2	19.000	20.500	1.031	NBR	1900-2032-102 HBS R
						HNBR	1900-2032-102 HBS H
						FKM	1900-2032-102 HBS V
485	535	22	19.094	21.063	0.866	NBR	485x535x22 HBS R
						HNBR	485x535x22 HBS H
						FKM	485x535x22 HBS V
485	535	22	19.094	21.063	0.866	NBR	485x535x22 HBS R
						HNBR	485x535x22 HBS H
						FKM	485x535x22 HBS V
500	540	20	19.685	21.260	0.787	NBR	500x540x20 HBS R
						HNBR	500x540x20 HBS H
						FKM	500x540x20 HBS V

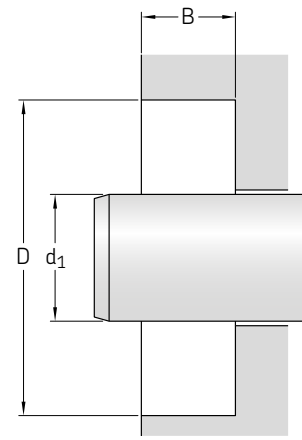
Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
520,7	558,8	22,5	20.500	22.000	0.886	NBR	520,7x558,8x22,5 HBS R
						HNBR	520,7x558,8x22,5 HBS H
						FKM	520,7x558,8x22,5 HBS V
528	666,8	25,4	20.787	26.250	1.000	NBR	528x666,8x25,4 HBS R
						HNBR	528x666,8x25,4 HBS H
						FKM	528x666,8x25,4 HBS V
540	590	22	21.260	23.228	0.866	NBR	540x590x22 HBS R
						HNBR	540x590x22 HBS H
						FKM	540x590x22 HBS V
540	590	22	21.260	23.228	0.866	NBR	540x590x22 HBS R
						HNBR	540x590x22 HBS H
						FKM	540x590x22 HBS V
540	590	22	21.260	23.228	0.866	NBR	540x590x22 HBS R
						HNBR	540x590x22 HBS H
						FKM	540x590x22 HBS V
550	600	22	21.654	23.622	0.866	NBR	550x600x22 HBS R
						HNBR	550x600x22 HBS H
						FKM	550x600x22 HBS V
558,8	596,9	19,1	22.000	23.500	0.750	NBR	2200-2332-48 HBS R
						HNBR	2200-2332-48 HBS H
						FKM	2200-2332-48 HBS V
560	610	20	22.047	24.016	0.787	NBR	560x610x20 HBS R
						HNBR	560x610x20 HBS H
						FKM	560x610x20 HBS V
570	620	22	22.441	24.409	0.866	NBR	570x620x22 HBS R
						HNBR	570x620x22 HBS H
						FKM	570x620x22 HBS V
580	616	17	22.835	24.252	0.669	NBR	580x616x17 HBS R
						HNBR	580x616x17 HBS H
						FKM	580x616x17 HBS V
580	616	17	22.835	24.252	0.669	NBR	580x616x17 HBS R
						HNBR	580x616x17 HBS H
						FKM	580x616x17 HBS V
580	620	20	22.835	24.409	0.787	NBR	580x620x20 HBS R
						HNBR	580x620x20 HBS H
						FKM	580x620x20 HBS V
590	630	20	23.228	24.803	0.787	NBR	590x630x20 HBS R
						HNBR	590x630x20 HBS H
						FKM	590x630x20 HBS V
590	630	20	23.228	24.803	0.787	NBR	590x630x20 HBS R
						HNBR	590x630x20 HBS H
						FKM	590x630x20 HBS V
600	632	12,5	23.622	24.882	0.492	NBR	600x632x12,5 HBS R
						HNBR	600x632x12,5 HBS H
						FKM	600x632x12,5 HBS V
600	650	25	23.622	25.591	0.984	NBR	600x650x25 HBS R
						HNBR	600x650x25 HBS H
						FKM	600x650x25 HBS V
645	695	22	25.394	27.362	0.866	NBR	645x695x22 HBS R
						HNBR	645x695x22 HBS H
						FKM	645x695x22 HBS V

HBS seals – rubber metal reinforced

d₁ 650–1 496,6 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
650	700	20	25.591	27.559	0.787	NBR	650x700x20 HBS R
						HNBR	650x700x20 HBS H
						FKM	650x700x20 HBS V
650	700	20	25.591	27.559	0.787	NBR	650x700x20 HBS R
						HNBR	650x700x20 HBS H
						FKM	650x700x20 HBS V
685,8	736,6	22,2	27.000	29.000	0.875	NBR	2700-2900-56 HBS R
						HNBR	2700-2900-56 HBS H
						FKM	2700-2900-56 HBS V
692	732	15	27.244	28.819	0.591	NBR	692x732x15 HBS R
						HNBR	692x732x15 HBS H
						FKM	692x732x15 HBS V
700	750	20	27.559	29.528	0.787	NBR	700x750x20 HBS R
						HNBR	700x750x20 HBS H
						FKM	700x750x20 HBS V
710	760	25	27.953	29.921	0.984	NBR	710x760x25 HBS R
						HNBR	710x760x25 HBS H
						FKM	710x760x25 HBS V
780	830	25	30.709	32.677	0.984	NBR	780x830x25 HBS R
						HNBR	780x830x25 HBS H
						FKM	780x830x25 HBS V
780	844	25	30.709	33.228	0.984	NBR	780x844x25 HBS R
						HNBR	780x844x25 HBS H
						FKM	780x844x25 HBS V
780	844	25	30.709	33.228	0.984	NBR	780x844x25 HBS R
						HNBR	780x844x25 HBS H
						FKM	780x844x25 HBS V
816	866,8	22,5	32.126	34.126	0.886	NBR	816x866,8x22,5 HBS R
						HNBR	816x866,8x22,5 HBS H
						FKM	816x866,8x22,5 HBS V
825,5	876,3	22,2	32.500	34.500	0.875	NBR	3232-3432-56 HBS R
						HNBR	3232-3432-56 HBS H
						FKM	3232-3432-56 HBS V
860	924	25	33.858	36.378	0.984	NBR	860x924x25 HBS R
						HNBR	860x924x25 HBS H
						FKM	860x924x25 HBS V

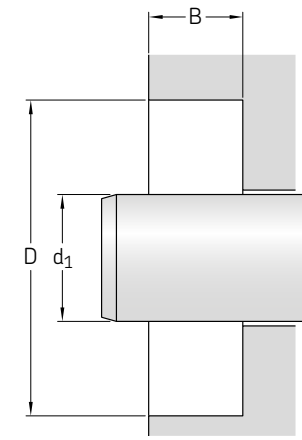
Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
910	974	25	35.827	38.346	0.984	NBR	910x974x25 HBS R
						HNBR	910x974x25 HBS H
						FKM	910x974x25 HBS V
970	1 030	21,5	38.189	40.551	0.846	NBR	970x1030x21,5 HBS R
						HNBR	970x1030x21,5 HBS H
						FKM	970x1030x21,5 HBS V
970	1 030	21,5	38.189	40.551	0.846	NBR	970x1030x22 HBS R
						HNBR	970x1030x22 HBS H
						FKM	970x1030x22 HBS V
970	1 034	25	38.189	40.709	0.984	NBR	970x1034x25 HBS R
						HNBR	970x1034x25 HBS H
						FKM	970x1034x25 HBS V
985	1 045	25	38.780	41.142	0.984	NBR	985x1045x25 HBS R
						HNBR	985x1045x25 HBS H
						FKM	985x1045x25 HBS V
985	1 045	25	38.780	41.142	0.984	NBR	985x1045x25 HBS R
						HNBR	985x1045x25 HBS H
						FKM	985x1045x25 HBS V
1 024,5	1 070	24,4	40.335	42.126	0.961	NBR	1 024,5x1070x24,4 HBS R
						HNBR	1 024,5x1070x24,4 HBS H
						FKM	1 024,5x1070x24,4 HBS V
1 100	1 164	25	43.307	45.827	0.984	NBR	1100x1164x25 HBS R
						HNBR	1100x1164x25 HBS H
						FKM	1100x1164x25 HBS V
1 100	1 164	25	43.307	45.827	0.984	NBR	1100x1164x25 HBS R
						HNBR	1100x1164x25 HBS H
						FKM	1100x1164x25 HBS V
1 302	1 353	22,2	51.260	53.268	0.875	NBR	1302x1353x22,2 HBS R
						HNBR	1302x1353x22,2 HBS H
						FKM	1302x1353x22,2 HBS V
1 320	1 384	25	51.969	54.488	0.984	NBR	1320x1384x25 HBS R
						HNBR	1320x1384x25 HBS H
						FKM	1320x1384x25 HBS V
1 496,6	1 549,4	25	58.921	61.000	0.984	NBR	5859-6100-63 HBS R
						HNBR	5859-6100-63 HBS H
						FKM	5859-6100-63 HBS V

HBSA seals – rubber metal reinforced

d₁ 90–1 100 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
90	120	13	3.543	4.724	0.512	NBR	90x120x13 HBSA R
						HNBR	90x120x13 HBSA H
						FKM	90x120x13 HBSA V
260	290	19	10.236	11.417	0.748	NBR	260x290x19 HBSA R
						HNBR	260x290x19 HBSA H
						FKM	260x290x19 HBSA V
275	310	19	10.827	12.205	0.748	NBR	275x310x19 HBSA R
						HNBR	275x310x19 HBSA H
						FKM	275x310x19 HBSA V
370	410	15	14.567	16.142	0.591	NBR	370x410x15 HBSA R
						HNBR	370x410x15 HBSA H
						FKM	370x410x15 HBSA V
381	431,8	20,6	15.000	17.000	0.811	NBR	381x431,8x20,6 HBSA R
						HNBR	381x431,8x20,6 HBSA H
						FKM	381x431,8x20,6 HBSA V
381,0	444,5	25,4	15.000	17.500	1.000	NBR	1500-1732-64 HBSA R
						HNBR	1500-1732-64 HBSA H
						FKM	1500-1732-64 HBSA R
393,7	444,4	20,6	15.500	17.496	0.811	NBR	393,7x444,4x20,6 HBSA R
						HNBR	393,7x444,4x20,6 HBSA H
						FKM	393,7x444,4x20,6 HBSA V
420	460	20	16.535	18.110	0.787	NBR	420x460x20 HBSA R
						HNBR	420x460x20 HBSA H
						FKM	420x460x20 HBSA V
460	510	22	18.110	20.079	0.866	NBR	460x510x22 HBSA R
						HNBR	460x510x22 HBSA H
						FKM	460x510x22 HBSA V
480	530	22	18.898	20.866	0.866	NBR	480x530x22 HBSA R
						HNBR	480x530x22 HBSA H
						FKM	480x530x22 HBSA V
500	550	25	19.685	21.654	0.984	NBR	500x550x25 HBSA R
						HNBR	500x550x25 HBSA H
						FKM	500x550x25 HBSA V
515	555	20	20.276	21.850	0.787	NBR	515x555x20 HBSA R
						HNBR	515x555x20 HBSA H
						FKM	515x555x20 HBSA V

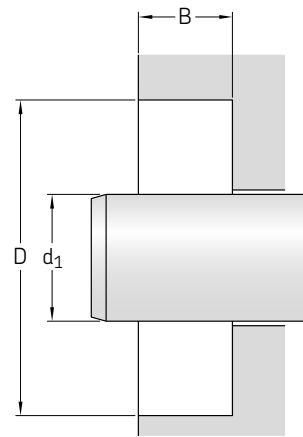
Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
515	565	22	20.276	22.244	0.866	NBR	515x565x22 HBSA R
						HNBR	515x565x22 HBSA H
						FKM	515x565x22 HBSA V
550	600	25	21.654	23.622	0.984	NBR	550x600x25 HBSA R
						HNBR	550x600x25 HBSA H
						FKM	550x600x25 HBSA V
560	610	20	22.047	24.016	0.787	NBR	560x610x20 HBSA R
						HNBR	560x610x20 HBSA H
						FKM	560x610x20 HBSA V
565	601	16	22.244	23.661	0.630	NBR	565x601x16 HBSA R
						HNBR	565x601x16 HBSA H
						FKM	565x601x16 HBSA V
590	640	25	23.228	25.197	0.984	NBR	590x640x25 HBSA R
						HNBR	590x640x25 HBSA H
						FKM	590x640x25 HBSA V
800	864	25	31.496	34.016	0.984	NBR	800x864x25 HBSA R
						HNBR	800x864x25 HBSA H
						FKM	800x864x25 HBSA V
940	1 000	25	37.008	39.370	0.984	NBR	940x1000x25 HBSA R
						HNBR	940x1000x25 HBSA H
						FKM	940x1000x25 HBSA V
1 040	1 100	25	40.945	43.307	0.984	NBR	1040x1100x25 HBSA R
						HNBR	1040x1100x25 HBSA H
						FKM	1040x1100x25 HBSA V
1 100	1 160	25	43.307	45.669	0.984	NBR	1100x1160x25 HBSA R
						HNBR	1100x1160x25 HBSA H
						FKM	1100x1160x25 HBSA V

HLS seals – rubber metal reinforced

d₁ 38,1–275 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
38,1	57,2	9,5	1.500	2.250	0.375	NBR	132-216-24 HLS R
						HNBR	132-216-24 HLS H
						FKM	132-216-24 HLS V
40	60	10	1.575	2.362	0.394	NBR	40x60x10 HLS R
						HNBR	40x60x10 HLS H
						FKM	40x60x10 HLS V
50	65	8	1.969	2.559	0.315	NBR	50x65x8 HLS R
						HNBR	50x65x8 HLS H
						FKM	50x65x8 HLS V
55	72	10	2.165	2.835	0.394	NBR	55x72x10 HLS R
						HNBR	55x72x10 HLS H
						FKM	55x72x10 HLS V
60	75	8	2.362	2.953	0.315	NBR	60x75x8 HLS R
						HNBR	60x75x8 HLS H
						FKM	60x75x8 HLS V
60	80	10	2.362	3.150	0.394	NBR	60x80x10 HLS R
						HNBR	60x80x10 HLS H
						FKM	60x80x10 HLS V
74	95	10	2.913	3.740	0.394	NBR	74x95x10 HLS R
						HNBR	74x95x10 HLS H
						FKM	74x95x10 HLS V
82	105	12	3.228	4.134	0.472	NBR	82x105x12 HLS R
						HNBR	82x105x12 HLS H
						FKM	82x105x12 HLS V
82	130	13	3.228	5.118	0.512	NBR	82x130x13 HLS R
						HNBR	82x130x13 HLS H
						FKM	82x130x13 HLS V
88,9	114,3	12,7	3.500	4.500	0.500	NBR	332-432-32 HLS R
						HNBR	332-432-32 HLS H
						FKM	332-432-32 HLS V
90	120	10	3.543	4.724	0.394	NBR	90x120x10 HLS R
						HNBR	90x120x10 HLS H
						FKM	90x120x10 HLS V
90	140	13	3.543	5.512	0.512	NBR	90x140x13 HLS R
						HNBR	90x140x13 HLS H
						FKM	90x140x13 HLS V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
98,4	123,8	12,7	3.875	4.875	0.500	NBR	356-456-32 HLS R
						HNBR	356-456-32 HLS H
						FKM	356-456-32 HLS V
101,6	133,4	14,3	4.000	5.250	0.563	NBR	400-516-36 HLS R
						HNBR	400-516-36 HLS H
						FKM	400-516-36 HLS V
119,1	146,1	12,7	4.688	5.750	0.500	NBR	444-548-32 HLS R
						HNBR	444-548-32 HLS H
						FKM	444-548-32 HLS V
120	150	13	4.724	5.906	0.512	NBR	120x150x13 HLS R
						HNBR	120x150x13 HLS H
						FKM	120x150x13 HLS V
120	160	12	4.724	6.299	0.472	NBR	120x160x12 HLS R
						HNBR	120x160x12 HLS H
						FKM	120x160x12 HLS V
130	160	12,5	5.118	6.299	0.492	NBR	130x160x12,5 HLS R
						HNBR	130x160x12,5 HLS H
						FKM	130x160x12,5 HLS V
133,4	158,8	12,7	5.250	6.250	0.500	NBR	516-616-32 HLS R
						HNBR	516-616-32 HLS H
						FKM	516-616-32 HLS V
135	160	12	5.315	6.299	0.472	NBR	135x160x12 HLS R
						HNBR	135x160x12 HLS H
						FKM	135x160x12 HLS V
136,5	161,9	12,7	5.375	6.375	0.500	NBR	524-624-32 HLS R
						HNBR	524-624-32 HLS H
						FKM	524-624-32 HLS V
139,7	165,1	12,7	5.500	6.500	0.500	NBR	532-632-32 HLS R
						HNBR	532-632-32 HLS H
						FKM	532-632-32 HLS V
141,3	168,3	12,7	5.563	6.625	0.500	NBR	536-640-32 HLS R
						HNBR	536-640-32 HLS H
						FKM	536-640-32 HLS V
145	160	15	5.709	6.299	0.591	NBR	145x160x15 HLS R
						HNBR	145x160x15 HLS H
						FKM	145x160x15 HLS V

Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
145	170	13	5.709	6.693	0.512	NBR	145x170x13 HLS R
						HNBR	145x170x13 HLS H
						FKM	145x170x13 HLS V
145	175	15	5.709	6.890	0.591	NBR	145x175x15 HLS R
						HNBR	145x175x15 HLS H
						FKM	145x175x15 HLS V
149,2	174,6	12,7	5.875	6.875	0.500	NBR	556-656-32 HLS R
						HNBR	556-656-32 HLS H
						FKM	556-656-32 HLS V
155,3	181	15,9	6.113	7.125	0.625	NBR	155,3x181x15,9 HLS R
						HNBR	155,3x181x15,9 HLS H
						FKM	155,3x181x15,9 HLS V
155,6	181	12,7	6.125	7.125	0.500	NBR	156x181x12,7 HLS R
						HNBR	156x181x12,7 HLS H
						FKM	156x181x12,7 HLS V
155,6	190,0	12,7	6.125	7.480	0.500	NBR	155,6x190x12,7 HLS R
						HNBR	155,6x190x12,7 HLS H
						FKM	155,6x190x12,7 HLS V
160	190	15	6.299	7.480	0.591	NBR	160x190x15 HLS R
						HNBR	160x190x15 HLS H
						FKM	160x190x15 HLS V
177,8	203,2	12,7	7.000	8.000	0.500	NBR	700-800-32 HLS R
						HNBR	700-800-32 HLS H
						FKM	700-800-32 HLS V
180	220	12	7.087	8.661	0.472	NBR	180x220x12 HLS R
						HNBR	180x220x12 HLS H
						FKM	180x220x12 HLS V
180	220	15	7.087	8.661	0.591	NBR	180x220x15 HLS R
						HNBR	180x220x15 HLS H
						FKM	180x220x15 HLS V
185	210	13	7.283	8.268	0.512	NBR	185x210x13 HLS R
						HNBR	185x210x13 HLS H
						FKM	185x210x13 HLS V
190,5	228,6	14,28	7.500	9.000	0.563	NBR	732-900-36 HLS R
						HNBR	732-900-36 HLS H
						FKM	732-900-36 HLS V
200	230	16	7.874	9.055	0.630	NBR	200x230x16 HLS R
						HNBR	200x230x16 HLS H
						FKM	200x230x16 HLS V
205	230	16	8.071	9.055	0.630	NBR	205x230x16 HLS R
						HNBR	205x230x16 HLS H
						FKM	205x230x16 HLS V
210	240	15	8.268	9.449	0.591	NBR	210x240x15 HLS R
						HNBR	210x240x15 HLS H
						FKM	210x240x15 HLS V
210	245	18	8.268	9.646	0.709	NBR	210x245x18 HLS R
						HNBR	210x245x18 HLS H
						FKM	210x245x18 HLS V
220	250	15	8.661	9.843	0.591	NBR	220x250x15 HLS R
						HNBR	220x250x15 HLS H
						FKM	220x250x15 HLS V

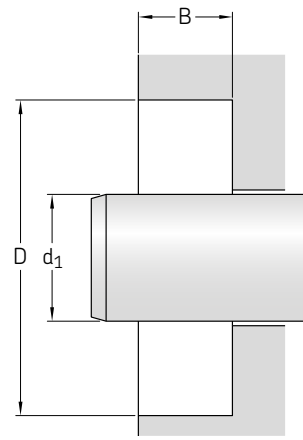
Dimensions			Dimensions			Mate- rial	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
222,3	260,4	14,3	8.750	10.250	0.563	NBR	848-1016-36 HLS R
						HNBR	848-1016-36 HLS H
						FKM	848-1016-36 HLS V
230	260	20	9.055	10.236	0.787	NBR	230x260x20 HLS R
						HNBR	230x260x20 HLS H
						FKM	230x260x20 HLS V
231,8	269,9	14,3	9.125	10.625	0.563	NBR	908-1040-36 HLS R
						HNBR	908-1040-36 HLS H
						FKM	908-1040-36 HLS V
235	275	15	9.252	10.827	0.591	NBR	235x275x15 HLS R
						HNBR	235x275x15 HLS H
						FKM	235x275x15 HLS V
240	270	15	9.449	10.630	0.591	NBR	240x270x15 HLS R
						HNBR	240x270x15 HLS H
						FKM	240x270x15 HLS V
240	290	16	9.449	11.417	0.630	NBR	240x290x16 HLS R
						HNBR	240x290x16 HLS H
						FKM	240x290x16 HLS V
250	280	15	9.843	11.024	0.591	NBR	250x280x15 HLS R
						HNBR	250x280x15 HLS H
						FKM	250x280x15 HLS V
250	290	16	9.843	11.417	0.630	NBR	250x290x16 HLS R
						HNBR	250x290x16 HLS H
						FKM	250x290x16 HLS V
254,0	292,1	14,3	10.000	11.500	0.563	NBR	1000-1132-36 HLS R
						HNBR	1000-1132-36 HLS H
						FKM	1000-1132-36 HLS V
260	290	15	10.236	11.417	0.591	NBR	260x290x15 HLS R
						HNBR	260x290x15 HLS H
						FKM	260x290x15 HLS V
260	300	20	10.236	11.811	0.787	NBR	260x300x20 HLS R
						HNBR	260x300x20 HLS H
						FKM	260x300x20 HLS V
265	290	16	10.433	11.417	0.630	NBR	265x290x16 HLS R
						HNBR	265x290x16 HLS H
						FKM	265x290x16 HLS V
265	295	15	10.433	11.614	0.591	NBR	265x295x15 HLS R
						HNBR	265x295x15 HLS H
						FKM	265x295x15 HLS V
270	310	16	10.630	12.205	0.630	NBR	270x310x16 HLS R
						HNBR	270x310x16 HLS H
						FKM	270x310x16 HLS V
270	310	15	10.630	12.205	0.591	NBR	270x310x15 HLS R
						HNBR	270x310x15 HLS H
						FKM	270x310x15 HLS V
275	305	15	10.827	12.008	0.591	NBR	275x305x15 HLS R
						HNBR	275x305x15 HLS H
						FKM	275x305x15 HLS V
275	310	15					

HLS seals – rubber metal reinforced

d₁ 280–1 350 mm



The size tables include a selection of available sizes. **On request SKF tools up additional sizes.** For seals with full size flexibility and express service – even for just one seal – refer to **page 54 catalogue shaft seals flexible in size.**



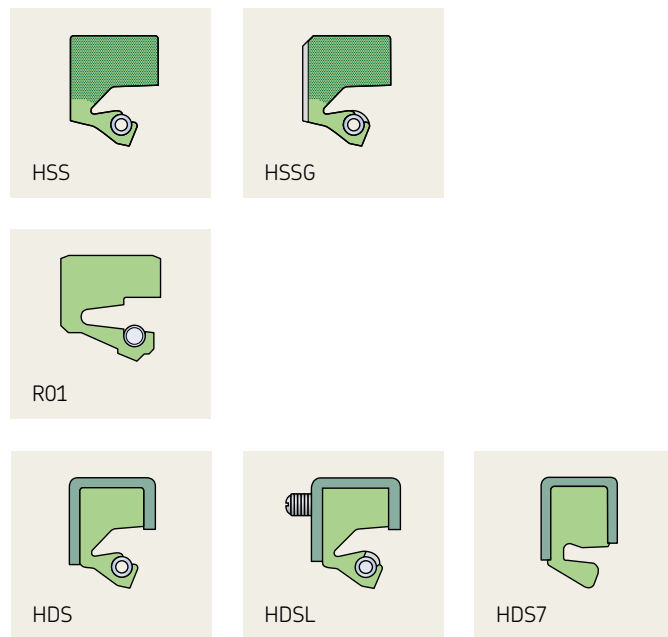
Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
280	310	15	11.024	12.205	0.591	NBR	280x310x15 HLS R
						HNBR	280x310x15 HLS H
						FKM	280x310x15 HLS V
280	320	18	11.024	12.598	0.709	NBR	280x320x18 HLS R
						HNBR	280x320x18 HLS H
						FKM	280x320x18 HLS V
290	330	18	11.417	12.992	0.709	NBR	290x330x18 HLS R
						HNBR	290x330x18 HLS H
						FKM	290x330x18 HLS V
300	340	18	11.811	13.386	0.709	NBR	300x340x18 HLS R
						HNBR	300x340x18 HLS H
						FKM	300x340x18 HLS V
300	340	15	11.811	13.386	0.591	NBR	300x340x15 HLS R
						HNBR	300x340x15 HLS H
						FKM	300x340x15 HLS V
315	355,6	16	12.402	14.000	0.630	NBR	315x355,6x16 HLS R
						HNBR	315x355,6x16 HLS H
						FKM	315x355,6x16 HLS V
320	360	18	12.598	14.173	0.709	NBR	320x360x18 HLS R
						HNBR	320x360x18 HLS H
						FKM	320x360x18 HLS V
320	360	25	12.598	14.173	0.984	NBR	320x360x25 HLS R
						HNBR	320x360x25 HLS H
						FKM	320x360x25 HLS V
324,7	354	15	12.783	13.937	0.591	NBR	324,7x354x15 HLS R
						HNBR	324,7x354x15 HLS H
						FKM	324,7x354x15 HLS V
330	370	20	12.992	14.567	0.787	NBR	330x370x20 HLS R
						HNBR	330x370x20 HLS H
						FKM	330x370x20 HLS V
335	375	22	13.189	14.764	0.866	NBR	335x375x22 HLS R
						HNBR	335x375x22 HLS H
						FKM	335x375x22 HLS V
340	372	16	13.386	14.646	0.630	NBR	340x372x16 HLS R
						HNBR	340x372x16 HLS H
						FKM	340x372x16 HLS V

Dimensions			Dimensions			Material	SKF Designation
d ₁	D	B	d ₁	D	B		
mm			in.				
360	400	18	14.173	15.748	0.709	NBR	360x400x18 HLS R
						HNBR	360x400x18 HLS H
						FKM	360x400x18 HLS V
370	414	17	14.567	16.299	0.669	NBR	370x414x17 HLS R
						HNBR	370x414x17 HLS H
						FKM	370x414x17 HLS V
394	420	16	15.512	16.535	0.630	NBR	394x420x16 HLS R
						HNBR	394x420x16 HLS H
						FKM	394x420x16 HLS V
400	440	20	15.748	17.323	0.787	NBR	400x440x20 HLS R
						HNBR	400x440x20 HLS H
						FKM	400x440x20 HLS V
400	440	22	15.748	17.323	0.866	NBR	400x440x22 HLS R
						HNBR	400x440x22 HLS H
						FKM	400x440x22 HLS V
400	440	18	15.748	17.323	0.709	NBR	400x440x18 HLS R
						HNBR	400x440x18 HLS H
						FKM	400x440x18 HLS V
420	460	20	16.535	18.110	0.787	NBR	420x460x20 HLS R
						HNBR	420x460x20 HLS H
						FKM	420x460x20 HLS V
460	500	20	18.110	19.685	0.787	NBR	460x500x20 HLS R
						HNBR	460x500x20 HLS H
						FKM	460x500x20 HLS V
470	520	22	18.504	20.472	0.866	NBR	470x520x22 HLS R
						HNBR	470x520x22 HLS H
						FKM	470x520x22 HLS V
470	520	23	18.504	20.472	0.906	NBR	470x520x23 HLS R
						HNBR	470x520x23 HLS H
						FKM	470x520x23 HLS V
470	530	25	18.504	20.866	0.984	NBR	470x530x25 HLS R
						HNBR	470x530x25 HLS H
						FKM	470x530x25 HLS V
480	530	25	18.898	20.866	0.984	NBR	480x530x25 HLS R
						HNBR	480x530x25 HLS H
						FKM	480x530x25 HLS V

Dimensions	Dimensions			Material	SKF Designation		
	d ₁	D	B				
mm			in.				
500	550	25	19.685	21.654	0.984	NBR	500x550x25 HLS R
						HNBR	500x550x25 HLS H
						FKM	500x550x25 HLS V
510	550	25	20.079	21.654	0.984	NBR	510x550x25 HLS R
						HNBR	510x550x25 HLS H
						FKM	510x550x25 HLS V
560	610	20	22.047	24.016	0.787	NBR	560x610x20 HLS R
						HNBR	560x610x20 HLS H
						FKM	560x610x20 HLS V
565,2	616,0	22,2	22.250	24.250	0.875	NBR	2216-2416-56 HLS R
						HNBR	2216-2416-56 HLS H
						FKM	2216-2416-56 HLS V
647,7	699	21,8	25.500	27.520	0.858	NBR	647,7x699x21,8 HLS R
						HNBR	647,7x699x21,8 HLS H
						FKM	647,7x699x21,8 HLS V
740,5	790,8	21,8	29.154	31.134	0.858	NBR	740,5x790,8x21,8 HLS R
						HNBR	740,5x790,8x21,8 HLS H
						FKM	740,5x790,8x21,8 HLS V
800	850	25	31.496	33.465	0.984	NBR	800x850x25 HLS R
						HNBR	800x850x25 HLS H
						FKM	800x850x25 HLS V
825,5	876,3	22,22	32.500	34.500	0.875	NBR	3232-3432-56 HLS R
						HNBR	3232-3432-56 HLS H
						FKM	3232-3432-56 HLS V
876,3	927,1	22,22	34.500	36.500	0.875	NBR	3432-3632-56 HLS R
						HNBR	3432-3632-56 HLS H
						FKM	3432-3632-56 HLS V
914,4	977,9	25,4	36.000	38.500	1.000	NBR	3600-3832-64 HLS R
						HNBR	3600-3832-64 HLS H
						FKM	3600-3832-64 HLS V
1 350	1415	25	53.150	55.709	0.984	NBR	1350x1415x25 HLS R
						HNBR	1350x1415x25 HLS H
						FKM	1350x1415x25 HLS V

Catalogue shaft seals flexible in size

The catalogue seal offer with the highest availability in customized dimensions



HSS, R01 and HDS seals

These SKF seals are manufactured in flexible sizing processes.

The highest flexibility for customized main dimensions is available with minimum order quantity of one seal only, even for a new size.

Innovative manufacturing processes do not require moulds and machine set up enabling optional express service.

The assortment includes heavy duty all rubber seals and metal cased rubber seals in NBR, HNBR and FKM.

Seal design and material selection follows the same criteria as for the *catalogue shaft seals moulded to size*.

Seal design options

All rubber seals (solid + split)

The all rubber seals HS, HSS and R01 are available in solid and split executions. The seals are finished oversized to the housing bore. A cover plate is required to ensure proper compression and stability within the housing. The optional split seal execution allows seal replacement without shaft removal or dismounting of other machine components.

HSS features an all rubber reinforcement of the outer diameter further stabilizing the seal in the housing bore. Lubrication grooves at the back of the seal are optional to allow the re-greasing between the sealing lips in back-to-back or tandem installations of two seals.

R01 is a machined seal available from local manufacturing in many countries around the globe. R01 features an optional auxiliary lip for contamination exclusion.

Metal cased rubber seals

The seals are self retaining in open housing bores without the use of a cover plate. The metal casing provides the required stability in the housing bore.

Spacer lugs are optional to provide space for grease lubrication in between 2 seals in tandem or back to back installations.

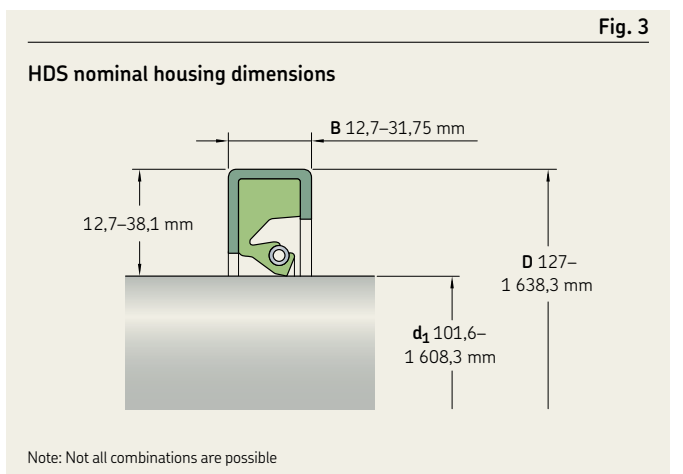
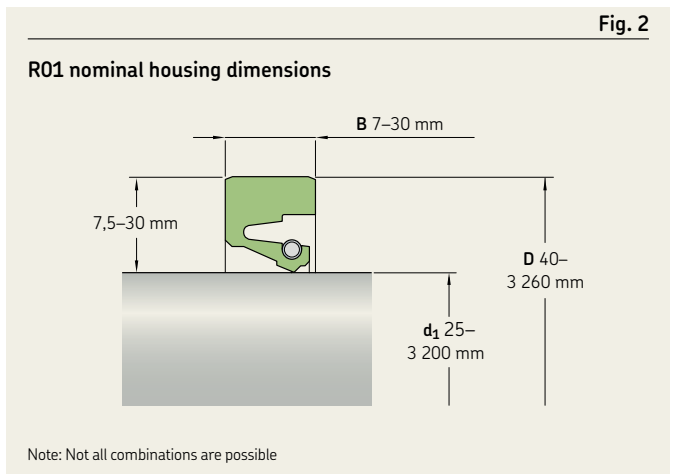
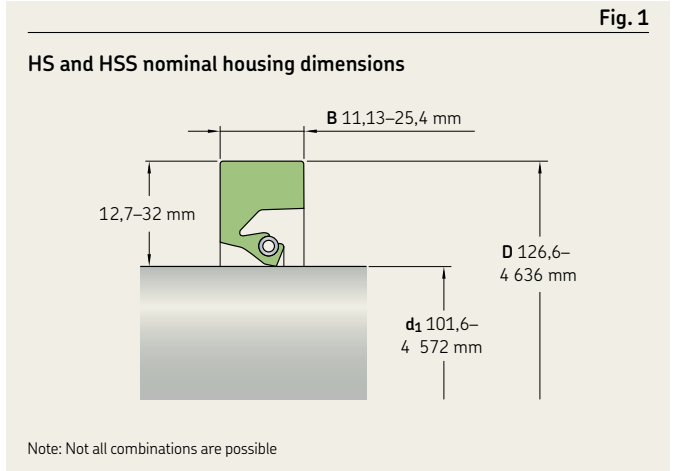
HDS7 features a sealing lip without spring, optimized for excluding contaminations in grease purge applications.

Spring activated sealing lips

HS, HSS and HDS seals feature the same heavy duty spring activated lip design. The seals are equipped with stainless garter springs. The SKF Springfix for HSS and HDS seals is an optional feature for blind installations, where spring displacement may go undetected.

For this range catalogue size tables are obsolete. The seals are configured by the customer with the full size flexibility within the range of the offering (→ fig. 1, 2, 3).

Please refer to the SKF seal configuration tools or contact SKF.



Engineered solutions application specific

Engineered solutions is the service offer by SKF to exceed the limits of catalogue seals

Customer requirements and experience indicate the need for advanced seal engineering.

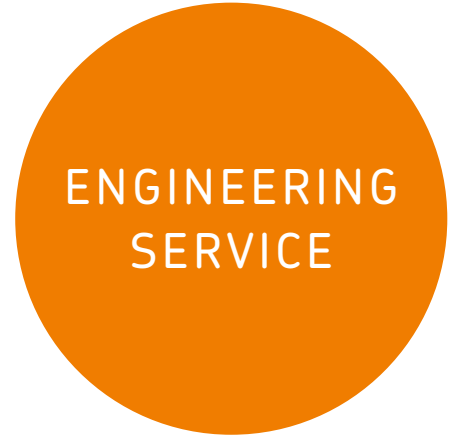
Proprietary SKF seal design and material competences, innovative manufacturing processes and the vast SKF application experience enable outstanding solutions meeting our customers' demand.



Customers and SKF engineers cooperate and create solutions meeting the application parameters

Seal application parameters

- Type of machine
- Expected seal function
- Environment, contamination
- Contact media
- Pressure (min./max.)
- Temperature (min./max.)
- Application speed
- Misalignment/Runout
- Seal counterface material
- Counterface finish and roughness
- Seal housing design and dimensions



Cement grinding mill



Wind turbine



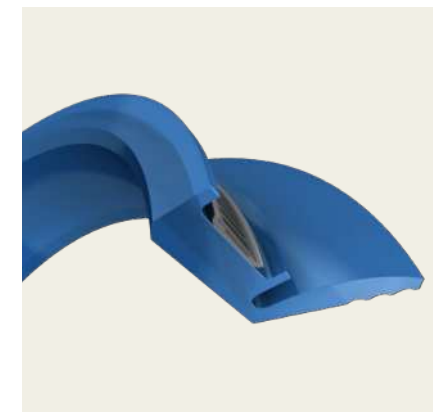
Aluminium rolling mill



Tunnel boring machine



Steel wire mill



Mining equipment



Application specific design

Shaft and bore requirements

Shaft requirements

Hardness

The surface hardness of the seal counterface should be at least 30 HRC. If the counterface surface could be damaged during transport or installation, this value should be increased to 45 HRC.

Lead-in chamfers

The sealing lip must not be damaged during installation. Depending on the installation direction Y or Z, a chamfer or radius on the shaft is recommended first.

If the direction of installation of the shaft is Y the values of **table 2** ($d_1 - d_2$) should be adhered to. If the direction is Z, the shaft end could be either rounded (r) or chamfered ($d_1 - d_2$).

Surface finish

Depending on the direction of rotation, directionality on the seal counterface may cause a seal to leak. Plunge grinding is the preferred machining method to minimize directionality ($0 \pm 0,05^\circ$) on the seal counterface. When plunge grinding, whole number ratios of the grinding wheel speed to the work piece speed should be avoided.

Surface roughness

The surface roughness values of the counterface for radial shaft seals, calculated according to methods described in ISO 4288 (DIN 4768), should be kept within the limits specified in **table 3**.

Tolerances

The diameter of the shaft d_1 at the counterface should be machined to the tolerances provided in **table 4**. Out-of-roundness must be less than 0,005 mm ($0,0002 \text{ in.}$) at a maximum of 2 lobes or less than 0,0025 mm ($0,0001 \text{ in.}$) at a maximum of 7 lobes.

Table 2

Lead-in chamfers and radii

Shaft diameter Nominal		Diameter difference ¹⁾		Radii Seal without auxiliary lip		Seal with auxiliary lip			
d_1 over	incl.	over	incl.	$d_1 - d_2$ min.	r min.	r min.			
mm	in.	mm	in.	mm	in.	mm	in.		
–	10	–	0.394	1,5	0.059	0,6	0.024	1	0.039
10	20	0.394	0.787	2	0.079	0,6	0.024	1	0.039
20	30	0.787	1.181	2,5	0.098	0,6	0.024	1	0.039
30	40	1.181	1.575	3	0.118	0,6	0.024	1	0.039
40	50	1.575	1.968	3,5	0.138	0,6	0.024	1	0.039
50	70	1.968	2.756	4	0.157	0,6	0.024	1	0.039
70	95	2.756	3.740	4,5	0.177	0,6	0.024	1	0.039
95	130	3.740	5.118	5,5	0.216	1	0.039	2	0.079
130	240	5.118	9.449	7	0.216	1	0.039	2	0.079
240	500	9.449	19.685	11	0.433	2	0.079	3	0.118
500	–	19.685	–	13	0.512	5	0.197	5	0.197

¹⁾ If the corner is blended rather than chamfered, the blended section should not be smaller than the difference in diameters $d_1 - d_2$.

Table 3

Recommended shaft surface roughness values

	ISO		DIN		RMA	
	μm	$\mu\text{in.}$	μm	$\mu\text{in.}$	μm	$\mu\text{in.}$
R_a	0,2–0,5	8–20	0,2–0,8	8–32	0,2–0,43	8–17
R_z	1,2–3	48–120	1–5	40–200	1,65–2,9	65–115
R_{pm}	N/A	N/A	N/A	N/A	0,5–1,5	20–50

Table 4

Counterface tolerances for metric shafts (ISO)

Shaft diameter Nominal	Diameter tolerance h11 Deviation			
	d_1 over	incl.	high	low
mm	μm			
6	10		0	–90
10	18		0	–110
18	30		0	–130
30	50		0	–160
50	80		0	–190
80	120		0	–220
120	180		0	–250
180	250		0	–290
250	315		0	–320
315	400		0	–360
400	500		0	–400
500	630		0	–440
630	800		0	–500
800	1000		0	–560
1000	1250		0	–660
1250	1600		0	–780
1600	2000		0	–920
2000	2500		0	–1100
2500	3150		0	–1350
3150	4000		0	–1650
4000	5000		0	–2000

Table 5

Counterface tolerances for inch-size shafts (RMA)

Shaft diameter Nominal	Diameter tolerance OS-4 Deviation			
	d_1 over	incl.	high	low
in.	in.			
–	4		+0.003	–0.003
4	6		+0.004	–0.004
6	10		+0.005	–0.005
10			+0.006	–0.006

Housing bore requirements

Lead-in chamfers

To reduce the risk of seal damage during installation, the housing bore should have a 15 to 30° lead-in chamfer. The chamfer should be free of burrs and the transition radius r between the seal seat and shoulder should be in accordance with the recommendations in **table 6**.

Housing bore depth tolerances

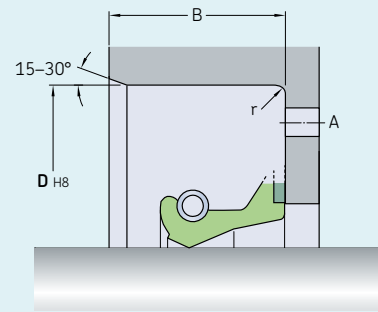
For housings with cover plate (axially clamped seals), the bore depth tolerance should be in accordance with the recommendations in **table 8**.

Housing bore surfaces

The surface roughness (to ISO 4288, DIN 4768 or RMA OS-1-1) of the housing bore should be kept within the limits specified in **table 7**.

Table 6

Housing bore tolerances

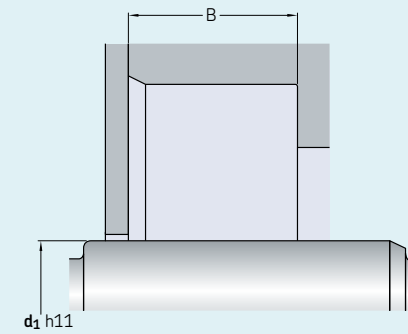


Housing bore for metric seals (ISO)					Housing bore for inch-size seals (RMA)				
Nominal diameter		Housing bore tolerance (ISO tolerance H8)		Fillet radii	Nominal diameter		Housing bore tolerance		Fillet radii
D over	incl.	high	low	r max.	D over	incl.	high	low	r max.
mm		μm		mm	in.		in.		in.
-	3	+14	0	0,3	-	3.000	+0.001	-0.001	0.031
3	6	+18	0	0,3	3.000	7.000	+0.0015	-0.0015	0.031
6	10	+22	0	0,3	7.000	10.000	+0.002	-0.002	0.031
10	18	+27	0	0,3	10.000 ²⁾	12.000	+0.002	-0.002	0.031
18	30	+33	0	0,3	12.000 ²⁾	20.000	+0.003	-0.003	0.031
30	50	+39	0	0,3	20.000 ²⁾	40.000	+0.004	-0.004	0.031
50	80	+46	0	0,4	40.000 ²⁾	60.000	+0.006	-0.006	0.031
80	120	+54	0	0,8					
120	180	+63	0	0,8					
180	250	+72	0	0,8					
250	315	+81	0	0,8					
315	400	+89	0	0,8					
400	500	+97	0	0,8					
500	630	+110	0	0,8					
630	800	+125	0	0,8					
800	1 000	+140	0	0,8					
1 000	1 250	+165	0	0,8					
1 250	1 600	+195	0	0,8					
1 600	2 000	+230	0	0,8					
2 000	2 500	+280	0	0,8					
2 500	3 150	+330	0	0,8					
3 150 ¹⁾	4 000	+410	0	0,8					
4 000	5 000	+500	0	0,8					

¹⁾ SKF recommended bore specifications not covered in ISO 286-2
²⁾ SKF recommended bore specifications not covered in RMA OS-4

Table 7

Housing with cover plate, bore depth tolerances



Metric housings (ISO)				Inch-size housings (RMA)			
Nominal shaft diameter		Bore depth B tolerance		Nominal shaft diameter		Bore depth B tolerance	
d ₁ over	incl.	high	low	d ₁ over	until	high	low
mm		mm		in.		in.	
-	15	0	-0,1	-	1.000	0	-0.004
16		+0,1	-0,1	1.000	1.000	+0.004	-0.004

Table 8

Recommended housing bore surface roughness values

	ISO ¹⁾		DIN		RMA ²⁾³⁾	
	μm	μin.	μm	μin.	μm	μin.
R _a	1,6-3,2	64-128	1,6-3,2	64-128	1-2,5	40-100
R _z	6,3-12,5	252-500	10-20	400-800	N/A	N/A
R _{pm}	N/A	N/A	25	1 000	N/A	N/A

¹⁾ ISO - The housing bore surface roughness may require lower values when metal-cased seals are used, in which case they should be subject to agreement between the manufacturer and user.
²⁾ RMA - If the bore surface texture is greater than 2,5 μm (100 μin.) R_a, a sealant should be used.
³⁾ RMA - Turned bores, where a lubricant head of up to 0,20 bar (3.0 psi) is present at the seal. If this texture is maintained and tool removal marks or bore defects are present, no outside diameter leakage should occur.



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