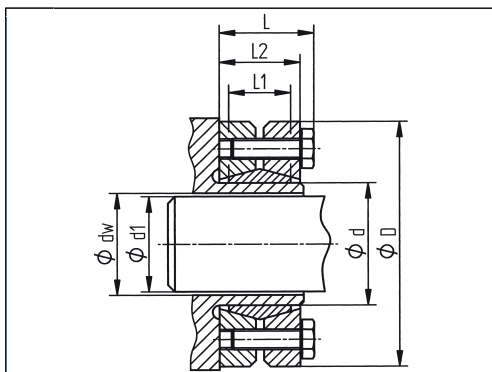


Shrink Disc

KBS 19



transmittable torque	medium
surface pressure on hub	medium
self-centering	no
height D/d	medium
overall length	medium

Recommended finishing tolerances of contact surfaces are: shaft d h 9

Order Code

Steel

KBS 19 - 18 x 44

Type Ød ØD

Stainless steel

KBS 19 - 18 x 44 - VA

Type Ød ØD

chemically
nickel-plated

KBS 19 - 18 x 44 - NI

Type Ød ØD

Stainless steel
Special screws

KBS 19 - 18 x 44 - VAB

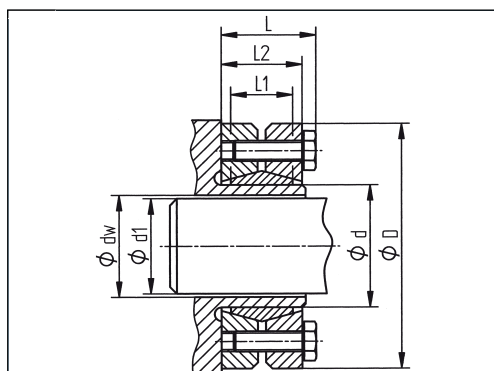
Type Ød ØD

Hollow Ød mm	Shaft Ø dw mm	Outer ØD mm	Torque T Nm	Dimensions				Surface pressure on	Screws			Mass kg
				L mm	L1 mm	L2 mm	Fitting Tolerance max. mm	Shaft Pw N/mm²	No.	ISO 4017	TA Nm	
14	10	38	40	18.5	10	15	0.014	154	4	M5x12	3	0.10
	11		50					191				
	12		65					243				
16	12	41	65	20.5	12	17	0.014	108	5	M5x16	3	0.14
	13		80					151				
	14		95					190				
18	14	44	85	20.5	12	17	0.014	172	4	M5x16	4	0.15
	15		100					205				
	16		130					233				
20	15	46	110	20.5	12	17	0.017	205	5	M5x16	4	0.17
	16		130					232				
	17		150					258				
21	16	50	180	23.5	14	20	0.017	220	6	M5x18	5	0.23
	17		220					245				
	18		270					275				
24	19	50	220	23.5	14	20	0.017	189	6	M5x18	5	0.22
	20		280					209				
	21		330					228				

KBS 19 size 50-125: page 39-40
KBS 19 size 140-280: page 41-42

Shrink Disc

KBS 19



transmittable torque	medium
surface pressure on hub	medium
self-centering	no
height D/d	medium
overall length	medium

Recommended finishing tolerances of contact surfaces are: shaft d h 9

Order Code

Steel

KBS 19 - 18 x 44

Type Ød ØD

Stainless steel

KBS 19 - 18 x 44 - VA

Type Ød ØD

chemically
nickel-plated

KBS 19 - 18 x 44 - NI

Type Ød ØD

Stainless steel
Special screws

KBS 19 - 18 x 44 - VAB

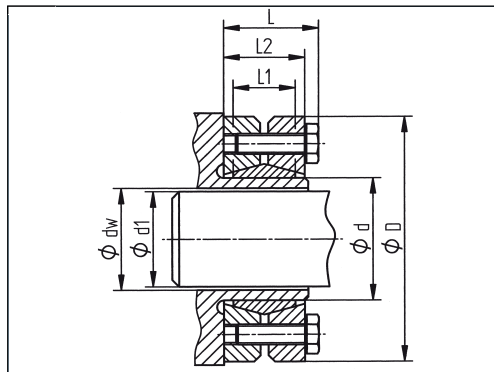
Type Ød ØD

Hollow Ød mm	Shaft Ø dw mm	Outer ØD mm	Torque T Nm	Dimensions				Surface pressure on Shaft Pw N/mm²	Screws			Mass kg
				L mm	L1 mm	L2 mm	Fitting Tolerance max. mm		No.	ISO 4017	TA Nm	
30	24	60	350	25.5	16	22	0.017	159	7	M5x18	5	0.33
	25		400					172				
	26		470					184				
36	28	72	730	27.5	18	23.5	0.032	232	5	M6x20	12	0.52
	30		860					240				
	31		880					250				
38	29	72	710	27,5	18	23,5	0,032	198	6	M6x20	12	0.5
	30		735					205				
	31		760					211				
40	30	72	770	27,5	18	23,5	0,032	216	6	M6x20	12	0.5
	31		800					223				
	32		825					230				
44	32	80	1200	29.5	20	25.5	0.032	225	7	M6x20	12	0.64
	35		1400					235				
	36		1500					244				
48	36	80	1350	29.5	20	25.5	0.032	222	7	M6x20	12	0.60
	38		1450					236				
	40		1530					248				

KBS 19 size 50-125: page 39-40
KBS 19 size 140-280: page 41-42

Shrink Disc

KBS 19



transmittable torque	medium
surface pressure on hub	medium
self-centering	no
height D/d	medium
overall length	medium

Recommended finishing tolerances of contact surfaces are: shaft d h 9

Order Code

Steel

KBS 19 - 85 x 155

Type Ød ØD

Stainless steel

KBS 19 - 85 x 155 - VA

Type Ød ØD

chemically
nickel-plated

KBS 19 - 85 x 155 - NI

Type Ød ØD

Stainless steel
Special screws

KBS 19 - 85 x 155 - VAB

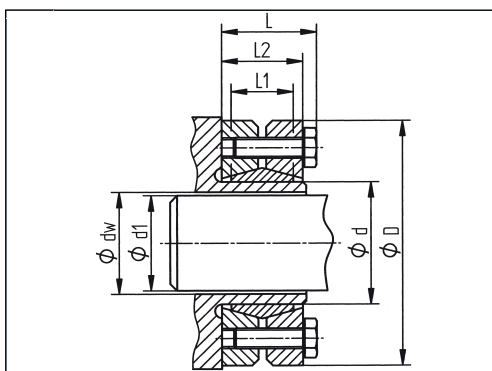
Type Ød ØD

Hollow Ød mm	Shaft Ø dw mm	Outer ØD mm	Torque T Nm	Dimensions				Surface pressure on Shaft Pw N/mm²	Screws			Mass kg
				L mm	L1 mm	L2 mm	Fitting Tolerance max. mm		No.	ISO 4017	TA Nm	
50	38	90	1500	31.5	22	27.5	0.032	204	8	M6x25	12	0.87
	40		1800					219				
	42		2100					232				
55	42	100	1700	34.5	23	30.5	0.032	176	8	M6x25	12	1.18
	45		2100					193				
	48		2600					210				
62	48	110	2700	34.5	23	30.5	0.048	213	10	M6x25	12	1.41
	50		3000					218				
	52		3200					222				
68	50	115	2500	34.5	23	30.5	0.048	184	10	M6x25	12	1.46
	55		3100					188				
	60		4100					212				
75	55	138	3500	37.8	25	32.5	0.048	199	7	M8x30	30	2.45
	60		4700					221				
	65		6000					241				
80	60	145	4100	37.8	25	32.5	0.048	192	7	M8x30	30	2.66
	65		5200					211				
	70		6600					228				

KBS 19 size 14-48: page 37-38
KBS 19 size 140-280: page 41-42

Shrink Disc

KBS 19



transmittable torque	medium
surface pressure on hub	medium
self-centering	no
height D/d	medium
overall length	medium

Recommended finishing tolerances of contact surfaces are: shaft d h 9

Order Code

Steel

KBS 19 - 85 x 155

Type Ød ØD

Stainless steel

KBS 19 - 85 x 155 - VA

Type Ød ØD

chemically
nickel-plated

KBS 19 - 85 x 155 - NI

Type Ød ØD

Stainless steel
Special screws

KBS 19 - 85 x 155 - VAB

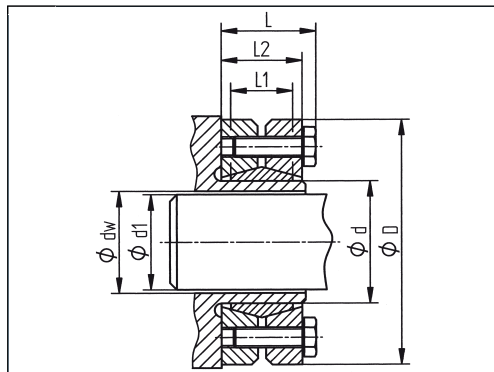
Type Ød ØD

Hollow Ød mm	Shaft Ø dw mm	Outer ØD mm	Torque T Nm	Dimensions				Surface pressure on Shaft Pw N/mm²	Screws			Mass kg
				L mm	L1 mm	L2 mm	Fitting Tolerance max. mm		No.	ISO 4017	TA Nm	
85	60	155	6900	44,3	30,0	39,0	0.048	179	10	M8x35	30	3.5
	65		7500					194				
	70		8150					209				
90	65	155	6200	44.3	30	39	0.048	206	10	M8x35	30	3.4
	70		7700					222				
	75		9400					236				
95	65	170	7200	49.3	34	44	0.048	197	12	M8x35	30	4.7
	70		7800					213				
	75		8300					228				
100	70	170	7600	49.3	34	44	0.048	194	12	M8x35	30	4.6
	75		9300					207				
	80		11300					220				
110	75	185	9100	56.4	39	50	0.048	176	9	M10x40	59	6.0
	80		11000					188				
	85		12200					183				
115	80	185	10400	56.4	39	50	0.048	177	9	M10x40	59	6.1
	90		11700					199				
	95		12400					210				
125	85	215	13300	60.4	42	54	0.069	186	12	M10x40	59	8.3
	90		15800					198				
	95		18600					209				

KBS 19 size 14-48: page 37-38
KBS 19 size 140-280: page 41-42

Shrink Disc

KBS 19



transmittable torque	medium
surface pressure on hub	medium
self-centering	no
height D/d	medium
overall length	medium

Recommended finishing tolerances of contact surfaces are: shaft d h 9

Order Code

Steel

KBS 19 - 165 x 290

Type Ød ØD

Stainless steel

KBS 19 - 165 x 290 - VA

Type Ød ØD

chemically
nickel-plated

KBS 19 - 165 x 290 - NI

Type Ød ØD

Stainless steel
Special screws

KBS 19 - 165 x 290 - VAB

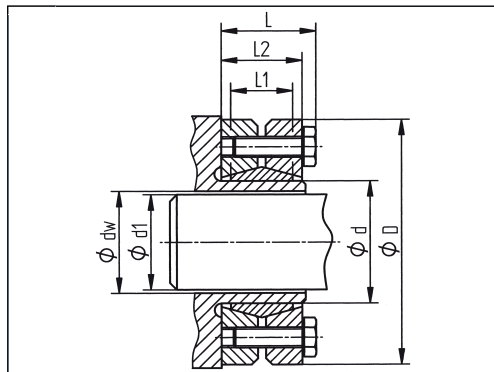
Type Ød ØD

Hollow Ød mm	Shaft Ø dw mm	Outer ØD mm	Torque T Nm	Dimensions				Surface pressure on Shaft Pw N/mm²	Screws			Mass kg
				L mm	L1 mm	L2 mm	Fitting Tolerance max. mm		No.	ISO 4017	TA Nm	
140	95	230	18600	68	46	60.5	0.07	190	10	M12x45	100	10
	100		21600					199				
	105		24900					208				
155	105	265	25400	72	50	64.5	0.07	195	12	M12x50	100	15
	110		29000					203				
	115		32800					211				
165	115	290	38900	81	56	71	0.07	223	8	M16x55	250	22
	120		43600					230				
	125		47600					231				
175	125	300	42900	81	56	71	0.08	208	8	M16x55	250	22
	130		47800					215				
	135		53100					221				
185	135	330	60000	96	71	86	0.09	197	10	M16x65	250	37
	140		66400					202				
	145		73100					208				
195	140	350	75600	96	71	86	0.09	231	12	M16x65	250	41
	150		90600					241				
	155		98700					245				

KBS 19 size 14-48: page 37-38
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Shrink Disc

KBS 19



transmittable torque	medium
surface pressure on hub	medium
self-centering	no
height D/d	medium
overall length	medium

Recommended finishing tolerances of contact surfaces are: shaft d h 9

Order Code

Steel

KBS 19 - 165 x 290

Type Ød ØD

Stainless steel

KBS 19 - 165 x 290 - VA

Type Ød ØD

chemically
nickel-plated

KBS 19 - 165 x 290 - NI

Type Ød ØD

Stainless steel
Special screws

KBS 19 - 165 x 290 - VAB

Type Ød ØD

Hollow Ød mm	Shaft Ø dw mm	Outer ØD mm	Torque T Nm	Dimensions				Surface pressure on Shaft Pw N/mm²	Screws			Mass kg
				L mm	L1 mm	L2 mm	Fitting Tolerance max. mm		No.	ISO 4017	TA Nm	
200	150	350	87000	96	71	86	0.09	231	12	M16x65	250	41
	155		94800					236				
	160		103000					240				
220	160	370	110000	114	88	104	0.09	208	15	M16x80	250	54
	165		120000					212				
	170		129000					216				
240	170	405	146000	121.5	92	109	0.09	233	12	M20x80	490	67
	180		168000					239				
	190		190000					243				
260	190	430	197000	132.5	103	120	0.10	225	14	M20x90	490	82
	200		224000					231				
	210		254000					237				
280	210	460	260000	146.5	114	134	0.10	220	16	M20x100	490	102
	220		292000					225				
	230		327000					230				

KBS 19 size 14-48: page 37-38
KBS 19 size 50-125: page 39-40