

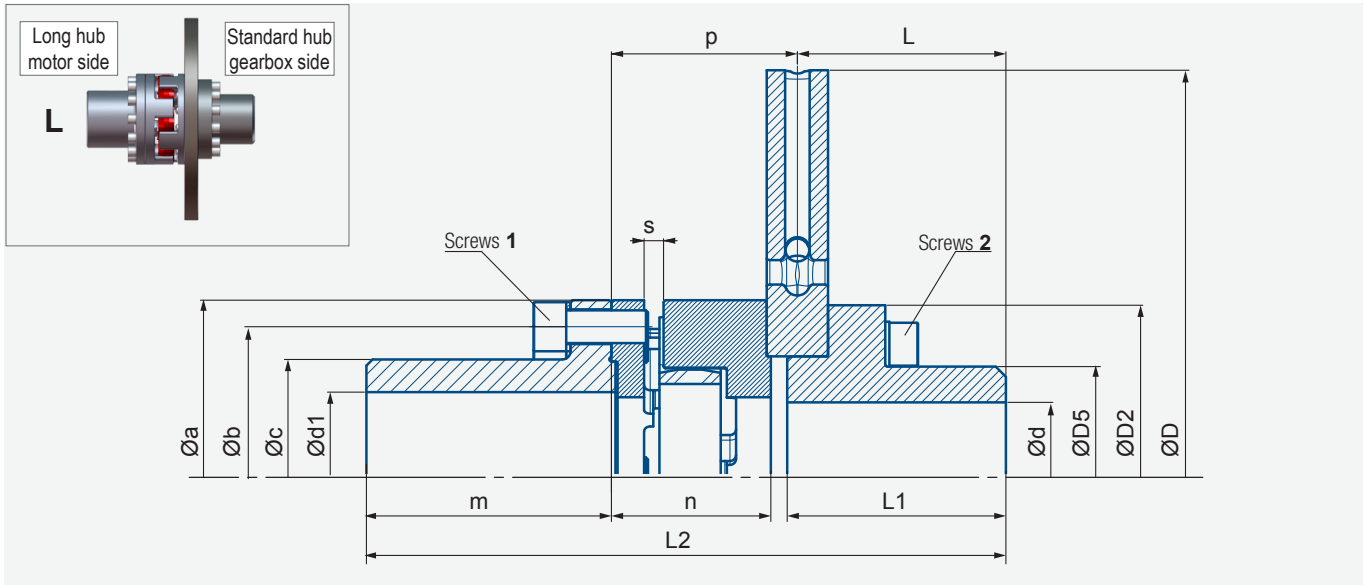
## SVKL / SDKL flexible disc couplings

## Technical data

Flexible couplings serie **SVKL** and **SDKL**  
 Long hub on motor side  
 Ventilated thickness : **30 mm**  
 Disc mounting and dismounting without  
 moving the machines back

- Rubber element **V**
- Rubber element **D**  
 (specify type of rubber element with order)
- Working temperature : -25°C to +80°C

**Option:**  
 Solid Disc



Degrease faces in contact between disc and coupling.

Flexible couplings SVKL / SDKL		125	145		170		200	230				
Disc diameter (th.30)		315	315	355	395	445	445	495	550			
<b>ASSEMBLY</b>	J with ventilated disc	kg.m <sup>2</sup>	0.17	0.18	0.27	0.42	0.68	0.73	1.2	1.74		
	J with solid disc	kg.m <sup>2</sup>	0.26	0.27	0.41	0.66	1.04	1.09	1.69	2.68		
	Max. weight bored	kg	27	31	37	48	57	63	96	107		
	Maximum speed	r.p.m.	3000	3000	2700	2400	2100	2100	1800	1800		
	L2		286.5	298	298	331.5	364.5	364.5	412.5	412.5		
<b>DISC</b>	ØD	mm	315	315	355	395	445	445	495	550		
	ØD2	mm	125	125	145	165	175	175	220	220		
	ØD5	mm	80	80	95	105	110	110	150	150		
	Ød max keyed or shrink fit	mm	50	50	60	70	70	70	100	100		
<b>COUPLING</b>	L	mm	102	102	102	102	135	135	135	135		
	L1	mm	107	107	107	107	140	140	140	140		
	Øa	mm	125	145	145	170	170	200	230	230		
	Øb	mm	105	125	125	144	144	165	190	190		
	Øc	mm	80	100	100	112	112	126	140	140		
	Ød1 max keyed	mm	55	70	70	80	80	90	100	100		
	m	mm	110.5	110.5		140.5		130.5	169.5			
	n	mm	61	72.5		76		86	95			
	p	mm	76	87.5		91		101	110			
	s	mm	6	6.5		7.5		8.5	9.5			
	Max. torque	Rubber element		630	1050	1050	1660	1660	2880	4500	4500	
Tkmax in Nm			1110	1800	1800	2850	2850	4950	7740	7740		
Transmissible torque (Tk <sub>n</sub> )			Tk <sub>n</sub> ≤ Tk <sub>max</sub> /k		k min.	Temperature	k=3	< 40°C	k=4	< 80°C	k=6	≤ 80°C
(Tk <sub>n</sub> : motor nominal torque)			Ts < Tk <sub>max</sub>			Rate		≤ 120 starts/h		≤ 240 starts/h		≤ 600 starts/h
Tightening torque *	Screws 1	Nm	48	84	84	204	204	204	285	285		
	Screws 2	Nm	48	48	84	133	204	204	285	285		

\* Screws class 10.9 greased with molybdenum bisulphide grease under the head and in threads. Tightening tool dispersion = ±10%

Ts: motor starting torque. In all cases, Ts < Tkmax

Due to continuous development and improvement, all dimensions and characteristics are subject to change without notice.

Intallation & Maintenance	Leaflet Nr. M10152-01	21/08/19	1/2
		<b>T10152-01-F</b>	

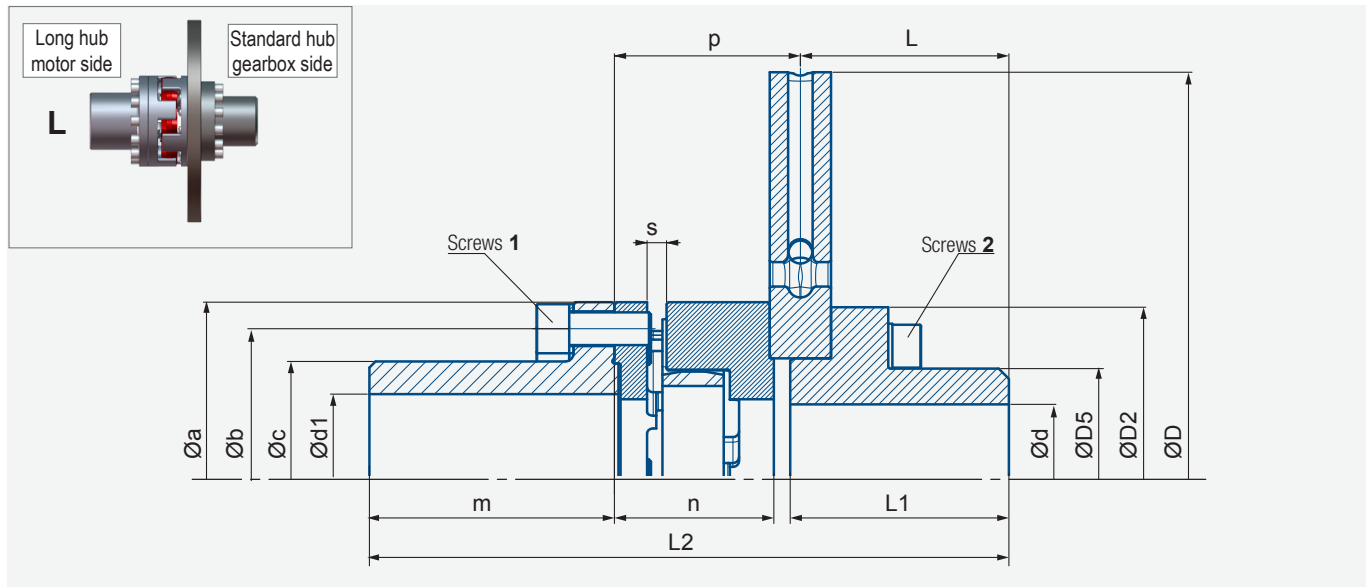
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**Option:**  
 Solid Disc



Degrease faces in contact between disc and coupling.

Flexible couplings SVKL / SDKL		260			300			400					
Disc diameter (th.30)		550	625	705	625-2	705	705-2	795	705	795			
ASSEMBLY	J with ventilated disc	1.97	2.77	4.66	4.52	5.09	5.23	7.86	7.44	10.21			
	J with solid disc	2.91	4.22	6.89	5.23	7.32	7.81	11.44	9.67	13.79			
	Max. weight bored	120	140	170	185	215	229.5	250	300	356			
	Maximum speed	1800	1500	1300	1500	1300	1300	1200	1300	1200			
L2		469	469	469	480	480	480	480	576.5	576.5			
DISC	ØD	550	625	705	625	705	705	795	705	795			
	ØD2	220	235	265	300	265	300	300	265	300			
	ØD5	150	150	180	210	180	210	210	180	210			
	Ød max keyed or shrink fit	100	100	120	130	120	130	130	120	130			
COUPLING	L	135	135	135	135	135	135	135	135	135			
	L1	140	140	140	140	140	140	140	140	140			
	Øa	260	260	260	300	300	300	300	400	400			
	Øb	220	220	220	260	260	260	260	335	335			
	Øc	168	168	168	190	190	190	190	240	240			
	Ød1 max keyed	120	120	120	125	125	125	125	150	150			
	m	209.5			209.5			289.5					
	n	111.5			122.5			139					
	p	126.5			137.5			154					
	s	9.5			10.5			10.5					
Max. torque	Rubber element	V	7200	7200	7200	10400	10400	10400	10400	23400	23400		
Tkmax in Nm	element	D	11940	11940	11940	17550	17550	17550	17550	30360	39700		
Transmissible torque (Tk)		Tk ≤ Tkmax/k		k min.		Temperature		k=3		k=4		k=6	
(Tk: motor nominal torque)		Ts < Tkmax				Rate		< 40°C		< 80°C		< 80°C	
								≤ 120 starts/h		≤ 240 starts/h		≤ 600 starts/h	
Tightening torque *	Screws 1	Nm	541	541	541	685	685	685	685	1364	1364		
	Screws 2	Nm	285	398	541	541	541	685	685	541	685		

\* Screws class 10.9 greased with molybdenum bisulphide grease under the head and in threads.  
 Tightening tool dispersion = ±10%

Ts: motor starting torque. In all cases, Ts < Tkmax

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Intallation & Maintenance	Leaflet Nr. M10152-01	21/08/19	2/2
		<b>T10152-01-F</b>	