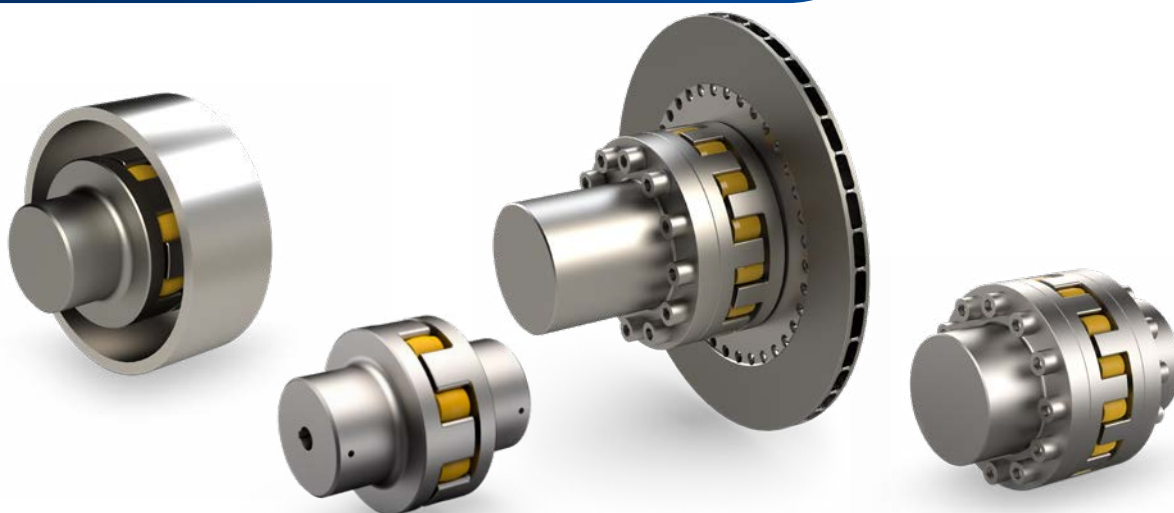




Stromag Couplings SVKL, SVW, SVR & SVT





DECADES OF EXPERIENCE

Across Industries and Applications



Founded in 1932, Stromag™ has grown to become a globally recognized leader in the development and manufacture of innovative power transmission components for industrial drivetrain applications.

Stromag engineers utilize the latest design technologies and materials to provide creative, energy-efficient solutions that meet their customer's most challenging requirements.

Stromag's extensive product range includes flexible couplings, disc brakes, limit switches, an array of hydraulically, pneumatically, and electrically actuated brakes, and a complete line of electric, hydraulic and pneumatic clutches.

Stromag engineered solutions improve drivetrain performance in a variety of key markets including energy, off-highway, metals, marine, transportation, printing, textiles, and material handling on applications such as wind turbines, conveyor systems, rolling mills, agriculture and construction machinery, municipal vehicles, forklifts, cranes, presses, deck winches, diesel engines, gensets and stage machinery.

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CONTENT

STROMAG SVKL, SVW & SVR COUPLINGS: VI

COUPLING AT A GLANCE	4
Elastic disc-couplings sizes	
Elastic couplings ranges	
Benefits include	
Applications areas	
2-parts cam ring advantages	
Classifications	
Torque range	
Instruction for the designer	
The torsional vibration analysis	
SERIES SVK and SDK	10
SERIES SVKL and SDKL	12
SERIES SVKL-ML and SDKL-ML	14
SERIES SVW and SDW	16
SERIES SVR and SDR	17
SERIES SVT and SDT	18

FLEXIBLE COUPLINGS

COUPLING AT A GLANCE

ELASTIC DISC-COUPPLINGS SIZES

SERIES **SVK**

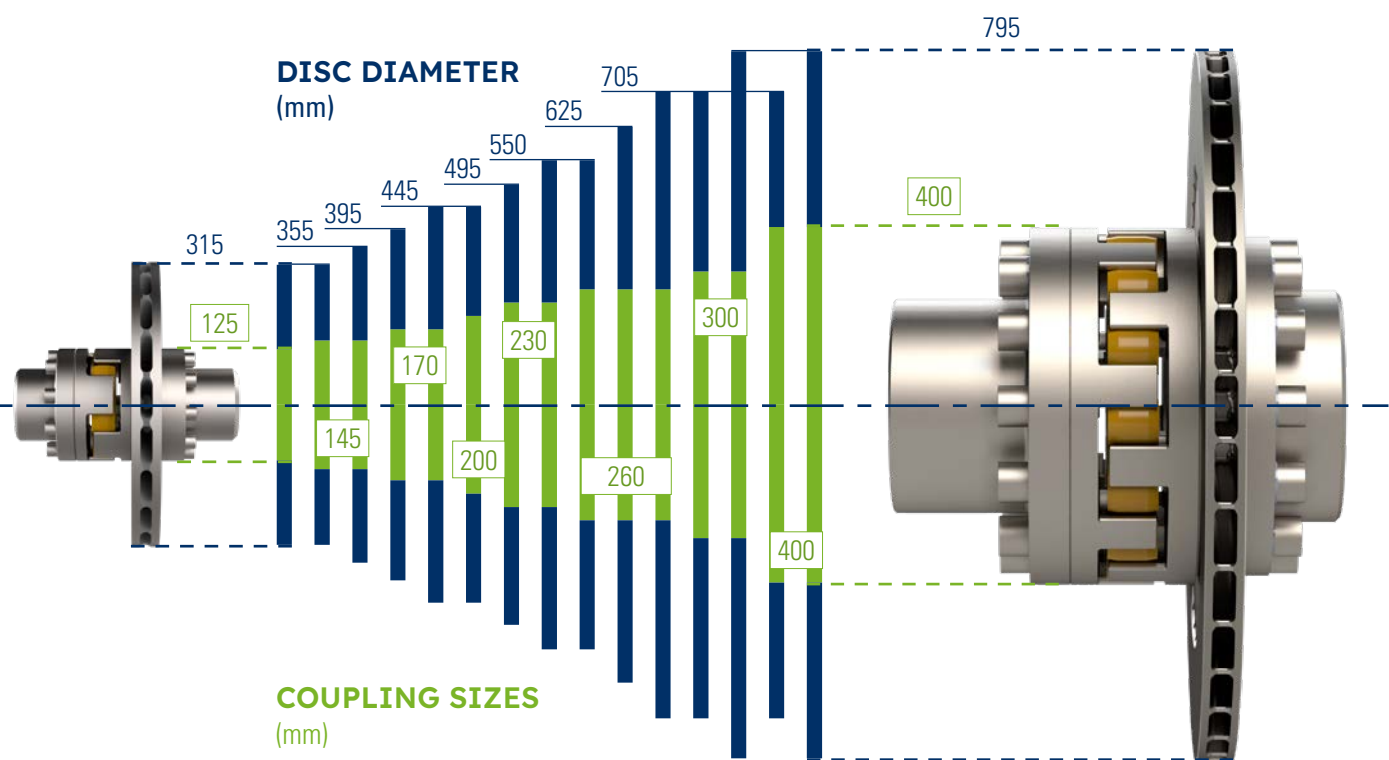
Total length: 244 - 464 mm

SERIES **SVKL**

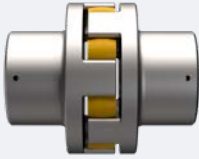
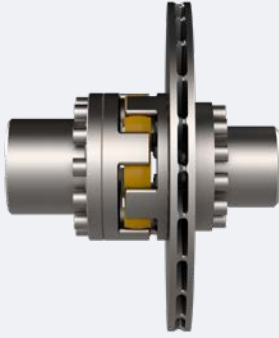
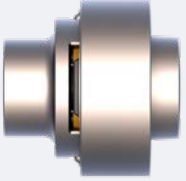
Total length: 287 - 577 mm

SERIES **SVKL-ML**

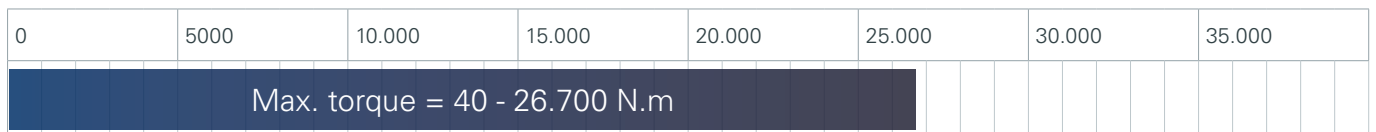
Total length: 320 - 637 mm

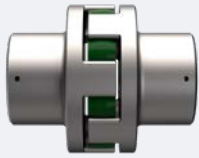
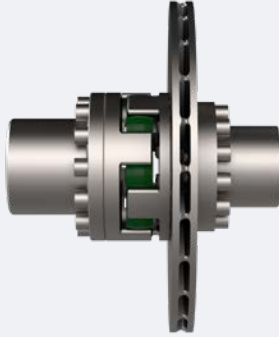
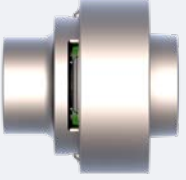


ELASTIC COUPLINGS RANGES

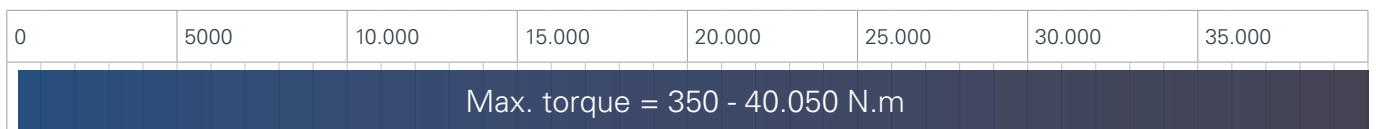
Couplings series SVW	Couplings series SVR	Disc couplings series SVK	Drum couplings series SVT
Max. torque: 40 - 26.700 Nm	Max. torque: 750 - 26.700 Nm	Max. torque: 750 - 26.700 Nm	Max. torque: 750 - 7.950 Nm
			
			Coupling sizes: 125 to 260 mm Drums Ø: 160 to 630 mm

Rubber element type **V**: Hardness shore 93 A allows higher misalignment but lower torque transmission



Couplings series SDW	Couplings series SDR	Disc couplings series SDK	Drum couplings series SDT
Max. torque: 350 - 40.050 Nm	Max. torque: 1110 - 39.700 Nm	Max. torque: 1110 - 39.700 Nm	Max. torque: 1110 - 11.940 Nm
			

Rubber element type **D**: Hardness shore 60 D allows lower misalignment but higher torque transmission



STROMAG™ SVKL, SVW, SVR & SVT COUPLINGS

BENEFITS INCLUDE

- The Stromag SVKL Elastic Disc Couplings, SVW and SVR Elastic Couplings offer economical and high performance solutions for torques transmission.
- They allow easy installation and maintenance with :
 - Easy assembly and dismantling without moving the machines back
 - No lubrication requirements
 - Easy replacement of the rubber elements
- A large range of sizes and discs diameters enable:
 - A large range of transmissible torques
 - Adaptation to all installation configurations
 - Ventilated and optionally solid discs.
- The rubber element offer many advantages:
 - Torsional vibrations damping
 - Noise reduction
 - Electrical insulation
 - Shock load accomodation
 - Balance of angular, radial and axial misalignments within tolerances.
- Two rubber element hardnesses differentiated by 2 colors:
 - **V**: Shore 93 A allowing higher misalignment (Yellow)
 - **D**: Shore 60 D allowing higher torque transmission (Green)



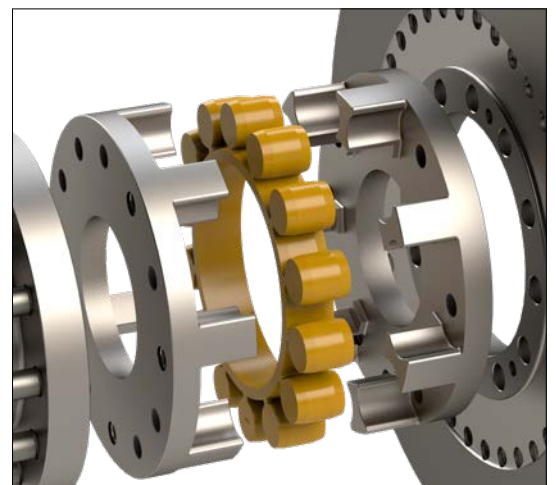
APPLICATIONS AREAS



- The Stromag™ SVKL, SVW and SVR Couplings are designed for industrial applications such as steel, nuclear, construction, marine and offshore, mass transport.
- They are part of the Stromag industrial braking systems that can include:
 - Electromagnetic, hydraulic and/or thruster brakes
 - Control and monitoring safety systems

2-PARTS CAM RING AVANTAGES

The Stromag SVKL and SVR Couplings are insert couplings fitted with a 2-parts cam ring. This design allows easy assembly and dismantling of the complete coupling and easy replacement of the rubber element. The compression of the rubber element allows the transmission of higher torques than similar elements in tension. The rubber element protects the steel parts against wear, its condition can be easily checked.



FLEXIBLE COUPLINGS

COUPLING AT A GLANCE

CLASSIFICATIONS



The acceptance of a coupling by a classification society must observe the rules issued by this society. Under certain circumstances, the coupling characteristics may differ from the definitions provided in this catalogue. Prepared data sheets are available on request.

A number of classification societies prescribe fail-safe devices on ships main drives. Stromag™ couplings are supplied with certificates / type approvals of most international classification societies.

TORQUE RANGE

- SVK, SVKL, SVKL-ML, SVR: 750 up to 26.700 Nm | SVT: 750 up to 7.950 Nm
- SDK, SDKL, SDKL-ML, SDR: 1110 up to 39.700 Nm | SDT: 1110 up to 11.940 Nm
- SVW: 40 up to 26.700 Nm
- SDW: 350 up to 40.050 Nm

INSTRUCTION FOR THE DESIGNER

The Stromag SVKL, SVW, SVR and SVT couplings provide a simple and efficient method of connecting two shafts, the connection of a flange to a shaft is also possible. They can be used in the two direction of rotation.

The torque is transmitted through a rubber element made of elastomer with a shore hardness of 90 A (SVKL - SVW - SVR - SVT) or 60D (SDKL - SDW - SDR - SDT). These couplings damp out shocks and torsional vibrations. They are oilproof and can be used at temperatures ranging between -30°C and +80°C.

If no electrical connection exists otherwise, the rubber element makes an electrical insulation between the coupled machines. And therefore, they prevent undesirable static charging.

The two-parts cam of the SVKL and SVR couplings can be removed radially. This makes the rubber element replacement possible without moving the machines back.

The size of the coupling must be sufficient to ensure that there are no operating conditions that will exceed its stress limitations. For drives without torsional vibration stress, the coupling is selected according to the nominal torque T_{KN} and the max. torque T_{Kmax} .

For drives subject to torsional vibration, a torsional vibration calculation has to be carried out for reasons of safety. On request, Stromag carries out this calculation and the coupling selection.

Then suitably stored, rubber elements maintain their characteristics for several years without change.

THE TORSIONAL VIBRATION ANALYSIS



Know-how of Stromag™ in Torsional Vibration Analysis (TVA) constitutes the core of each coupling design. It provides a comprehensive analysis of loads in the crankshaft, coupling and driven side to ensure that no critical speeds occur during operation.

Unevenly rotating systems can severely degrade product quality and cause great harm to the powertrain. On daily bases, the TVA experts at Stromag work on the challenge of detecting such deviations by measuring them and protecting the entire powertrain with ideal product selection. Stromag is capable of calculating stationary and transient operating conditions considering the stiffness and damping of the elastomers.

FLEXIBLE COUPLINGS

SVKL, SVW, SVR and SVT Couplings

SVK AND SDK DISC COUPLINGS

Revision number: T10152-04-F

Revision date: 08.07.2022

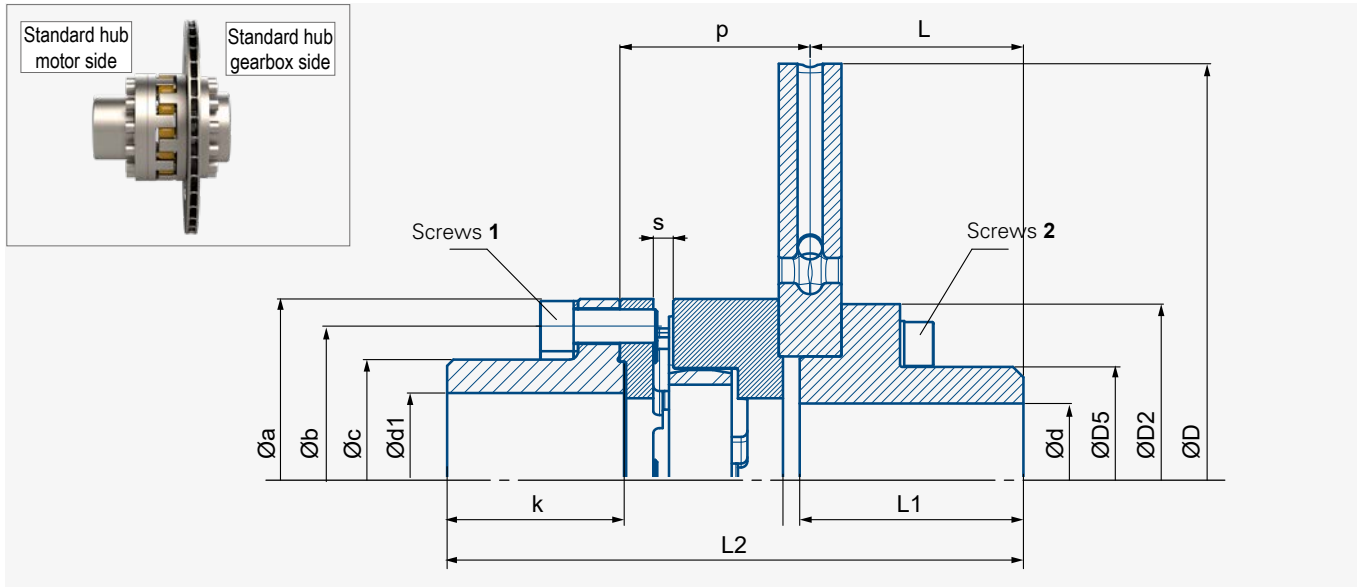
Elastic couplings serie **SVK** and **SDK**
Ventilated disc thickness : 30 mm
Disc mounting and dismounting without
moving the machines back

- **SVK**: Rubber element V
- **SDK**: Rubber element D
- Working temperature : -25°C to +80°C

Option:

- Solid Disc
- Painted coupling

Nota: In standard, couplings are delivered oiled
without protection



Degrease faces in contact between disc and coupling.

Elastic couplings SVK / SDK			125	145		170		200	230	
Disc diameter (th.30)			315	315	355	395	445	445	495	550
For use with calipers type			650 . 5K	650 . 645 . 45K		650 . 645 . 5K . 45K		650 . 645 . 5K . 45K	650 . 645 . 5K . 45K	
				-	5K	-	4CA2 . 3CA2		4CA2	4CA2 . 3CA2
ASSEMBLY	J with ventilated disc	kg.m²	0.17	0.18	0.27	0.42	0.68	0.73	1.2	1.74
	J with solid disc	kg.m²	0.26	0.27	0.41	0.66	1.04	1.09	1.69	2.68
	Max. weight bored	kg	25	29	35	42	51	70	88	99
	Maximum speed	r.p.m.	3000	3000	2700	2400	2100	2100	1800	1800
	L2		244	264,5		278	311	336	350	
DISC	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
COUPLING	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	130	150	150
	Ød1 max keyed	mm	55	70	70	80	80	95	110	110
	k	mm	68	77		87		102	107	
	p	mm	76	87,5		91		101	110	
	s	mm	6	6,5		7,5		8,5	9,5	
	Max. torque	Rubber V	750	1200	1200	1900	1900	2880	5150	5150
	Tkmax in Nm	element D	1110	1800	1800	2850	2850	4950	7740	7740
Transmissible torque (Tkn) (Tkn: motor nominal torque)			Tkn ≤ Tkmax/k Ts < Tkmax		k min.	Temperature Rate	k=3 < 40°C ≤ 120 starts/h	k=4 < 80°C ≤ 240 starts/h	k=6 ≤ 80°C ≤ 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. **Ts**: motor starting torque. In all cases, Ts < Tkmax
Tightening tool dispersion = ±10%

FLEXIBLE COUPLINGS

SVKL, SVW, SVR and SVT Couplings

SVK & SDK DISC COUPLINGS

Revision number: T10152-04-F Revision date: 08.07.2022

Elastic couplings serie **SVK** and **SDK**

Ventilated disc thickness : 30 mm

Disc mounting and dismounting without moving the machines back

• **SVK**: Rubber element V

• **SDK**: Rubber element D

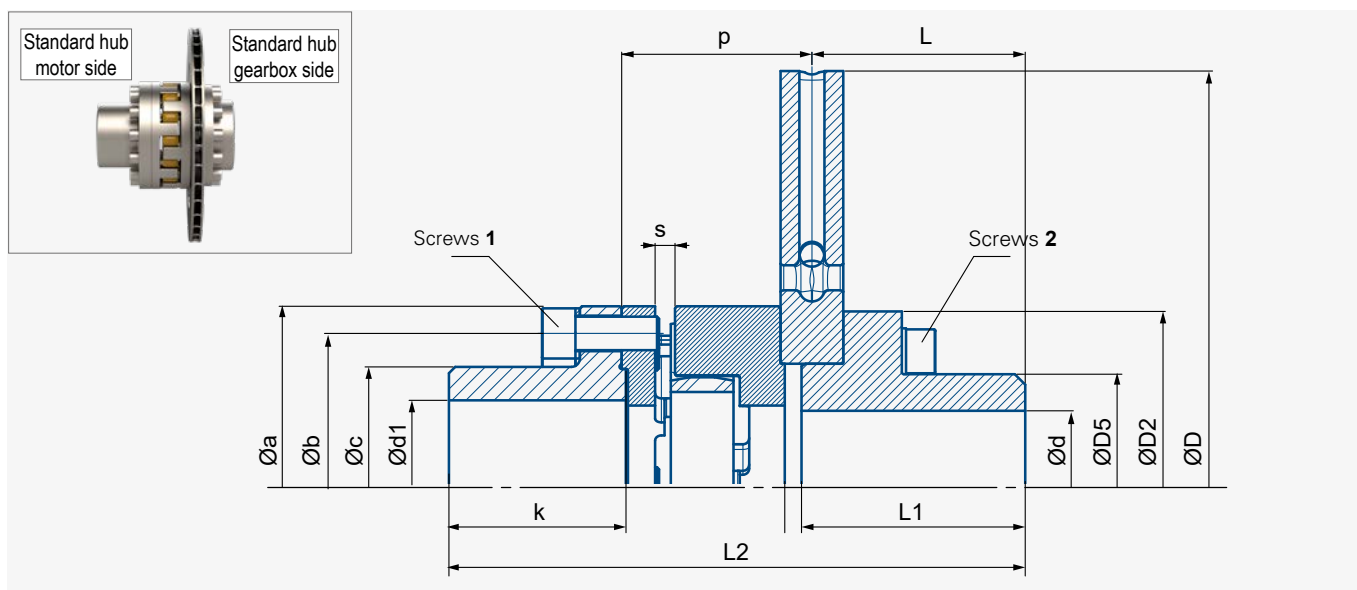
• Working temperature : -25°C to +80°C

Option:

• Solid Disc

• Painted coupling

Nota: In standard, couplings are delivered oiled without protection



Elastic couplings SVK / SDK			260			300			400	
Disc diameter (th.30)			550	625	705	625-2	705	705-2	795	705 795
For use with calipers type			650 . 645 . 5K . 45K 4CA2 . 3CA2		4CA2 . 3CA2	650 . 645 . 45K 5K . 4CA2 . 3CA2	4CA2 . 3CA2		4CA2 . 3CA2	
ASSEMBLY	J with ventilated disc	kg.m²	1.97	2.77	4.66	4.52	5.09	5.23	7.86	7.44 10.21
	J with solid disc	kg.m²	2.91	4.22	6.89	5.23	7.32	7.81	11.44	9.67 13.79
	Max. weight bored	kg	105	125	155	172	202	192	237	258 314
	Maximum speed	r.p.m.	1800	1500	1300	1500	1300	1300	1200	1300 1200
L2			386,5			417,5			464	
DISC	ØD	mm	550	625	705	625	705	705	795	705 795
	ØD2	mm	220	235	265	300	265	300	300	265 300
	ØD5	mm	150	150	180	210	180	210	210	180 210
	Ød max keyed or shrink fit	mm	100	100	120	130	120	130	130	120 130
COUPLING	L	mm	135	135	135	135	135	135	135	135 135
	L1	mm	140	140	140	140	140	140	140	140 140
	Øa	mm	260	260	260	300	300	300	300	400 400
	Øb	mm	220	220	220	260	260	260	260	335 335
	Øc	mm	175	175	175	210	210	210	210	250 250
	Ød1 max keyed	mm	125	125	125	140	140	140	140	160 160
	k	mm	127			147			177	
	p	mm	126.5			137.5			154	
	s	mm	9.5			10.5			10.5	
	Max. torque	Rubber element V	7950	7950	7950	11700	11700	11700	11700	26700 26700
	Tkmax in Nm	element D	11940	11940	11940	17550	17550	17550	17550	30360 39700
Transmissible torque (Tkn) (Tkn: motor nominal torque)			Tkn ≤ Tkmax/k k min.			Temperature Rate k=3 < 40°C		k=4 < 80°C		k=6 ≤ 80°C
			Ts < Tkmax			≤ 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

FLEXIBLE COUPLINGS

SVKL, SVW, SVR and SVT Couplings

SVKL & SDKL DISC COUPLINGS

Revision number: T10152-01-M

Revision date: 08.07.2022

Elastic couplings serie **SVKL** and **SDKL**

Long hub on motor side

Ventilated disc, thickness : **30 mm**

Disc mounting and dismounting without moving the machines back

• **SVKL**: Rubber element **V**

• **SDKL**: Rubber element **D**

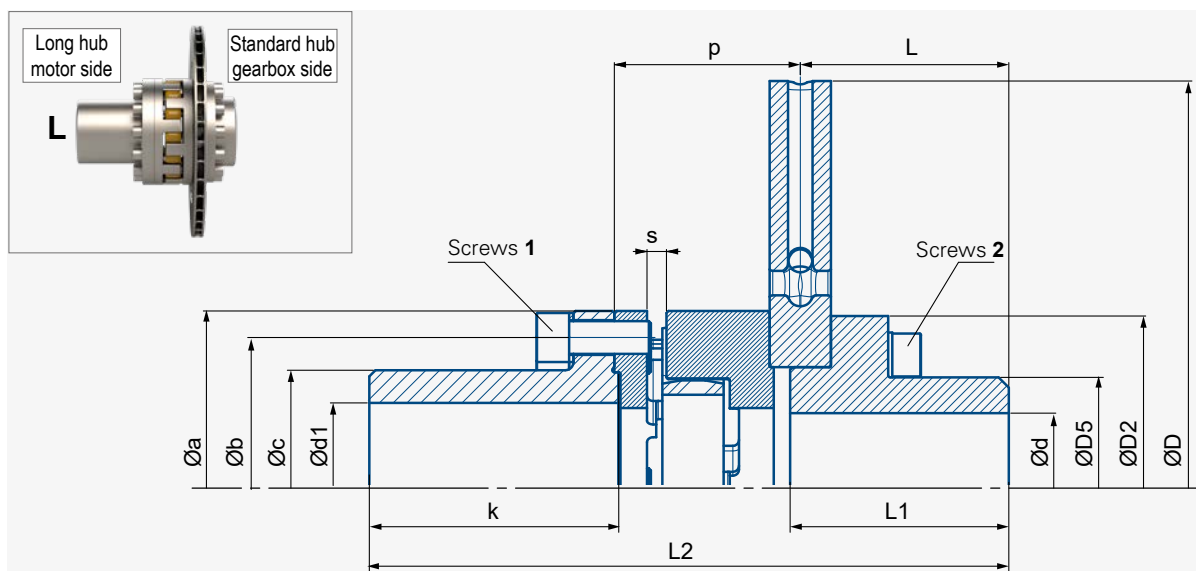
• Working temperature : -25°C to +80°C

Option:

• Solid Disc

• Painted coupling

Nota: In standard, couplings are delivered oiled without protection



Degrease faces in contact between disc and coupling.

Couplings SVKL / SDKL			125	145		170		200	230	
Disc diameter (ép.30)			315	315	355	395	445	445	495	550
Pour association avec les pinces			650 . 5K	650 . 645 . 45K		650 . 645 . 5K . 45K		650 . 645 . 5K . 45K	650 . 645 . 5K . 45K	
					5K		4CA2 . 3CA2		4CA2	4CA2 . 3CA2
ASSEMBLY	J with ventilated disc	kg.m²	0.17	0.18	0.27	0.42	0.68	0.73	1.2	1.74
	J with solid disc	kg.m²	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	64	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
DISC	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
COUPLING	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	130	150	150
	Ød1 max keyed	mm	55	70	70	80	80	95	110	110
	k	mm	110.5	110.5		140.5		130.5	169.5	
	p	mm	76	87.5		91		101	110	
	s	mm	6	6.5		7.5		8.5	9.5	
	Max. torque		750	1200	1200	1900	1900	2880	5150	5150
	Tkmax in Nm	Rubber element V D	1110	1800	1800	2850	2850	4950	7740	7740
Transmissible torque (Tkn) (Tkn: motor nominal torque)			Tk n ≤ Tkmax/k Ts < Tkmax		k min.	Température Cadence	k=3 < 40°C ≤ 120 dém./h	k=4 < 80°C ≤ 240 dém./h	k=6 ≤ 80°C ≤ 600 dém./h	
Couple de serrage *	Vis 1	Nm	48	84	84	204	204	204	285	285
	Vis 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. Ts: motor starting torque. In all cases, Ts < Tkmax
Tightening tool dispersion = ±10%

FLEXIBLE COUPLINGS

SVKL, SVW, SVR and SVT Couplings

SVKL & SDKL DISC COUPLINGS

Revision number: T10152-01-M Revision date: 08.07.2022

Elastic couplings serie **SVKL** and **SDKL**

Long hub on motor side

Ventilated disc, thickness : **30 mm**

Disc mounting and dismantling without moving the machines back

• **SVKL**: Rubber element **V**

• **SDKL**: Rubber element **D**

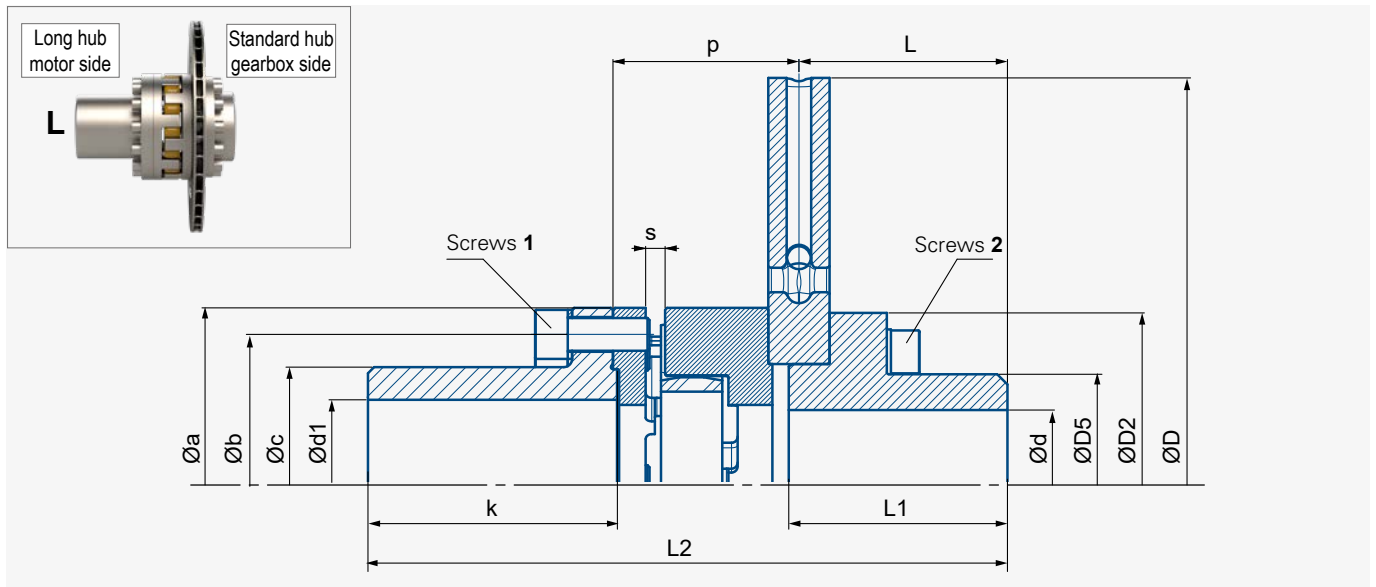
• Working temperature : -25°C to +80°C

Option:

• Solid Disc

• Painted coupling

Nota: In standard, couplings are delivered oiled without protection



Couplings SVKL / SDKL			260			300				400	
Disc diameter (ép.30)			550	625	705	625-2	705	705-2	795	705	795
Pour association avec les pinces			650 . 645 . 5K . 45K 4CA2 . 3CA2		4CA2 . 3CA2	650 . 645 . 45K 5K . 4CA2 . 3CA2	4CA2 . 3CA2			4CA2 . 3CA2	
ASSEMBLY	J with ventilated disc	kg.m ²	1.97	2.77	4.66	4.52	5.09	5.23	7.86	7.44	10.21
	J with solid disc	kg.m ²	2.91	4.22	6.89	5.23	7.32	7.81	11.44	9.67	13.79
	Max. weight bored	kg	120	140	170	185	215	229.5	250	300	356
	Maximum speed	r.p.m.	1800	1500	1300	1500	1300	1300	1200	1300	1200
	L2		469	469	469	480	480	480	480	537	537
DISC	ØD	mm	550	625	705	625	705	705	795	705	795
	ØD2	mm	220	235	265	300	265	300	300	265	300
	ØD5	mm	150	150	180	210	180	210	210	180	210
	Ød max keyed or shrink fit	mm	100	100	120	130	120	130	130	120	130
COUPLING	L	mm	135	135	135	135	135	135	135	135	135
	L1	mm	140	140	140	140	140	140	140	140	140
	Øa	mm	260	260	260	300	300	300	300	400	400
	Øb	mm	220	220	220	260	260	260	260	335	335
	Øc	mm	175	175	175	210	210	210	210	250	250
	Ød1 max keyed	mm	125	125	125	140	140	140	140	160	160
	k	mm	209.5			209.5			250		
	p	mm	126.5			137.5			154		
	s	mm	9.5			10.5			10.5		
	Max. torque	Rubber element V	7950	7950	7950	11700	11700	11700	11700	26700	26700
	Tkmax in Nm	element D	11940	11940	11940	17550	17550	17550	17550	30360	39700
Transmissible torque (Tkn) (Tkn: motor nominal torque)			Tk ≤ Tkmax/k k min.		Température	k=3 < 40°C	k=4 < 80°C		k=6 ≤ 80°C		
			Ts < Tkmax		Cadence	≤ 120 dém./h	≤ 240 dém./h		≤ 600 dém./h		
Couple de serrage *	Vis 1	Nm	541	541	541	685	685	685	685	1364	1364
	Vis 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. Ts: motor starting torque. In all cases, Ts < Tkmax
Tightening tool dispersion = ±10%

FLEXIBLE COUPLINGS

SVKL, SVW, SVR and SVT Couplings

SVKL-ML & SDKL-ML DISC COUPLINGS

Revision number: T10152-03-G

Revision date: 08.07.2022

Elastic couplings serie **SVKL-ML & SDKL-ML**
Long hub on motor side and gearbox side
Ventilated discs, thickness : 30 mm

- **SVKL-ML**: Rubber element V
- **SDKL-ML**: Rubber element D
- Working temperature : -25°C to +80°C

Option:

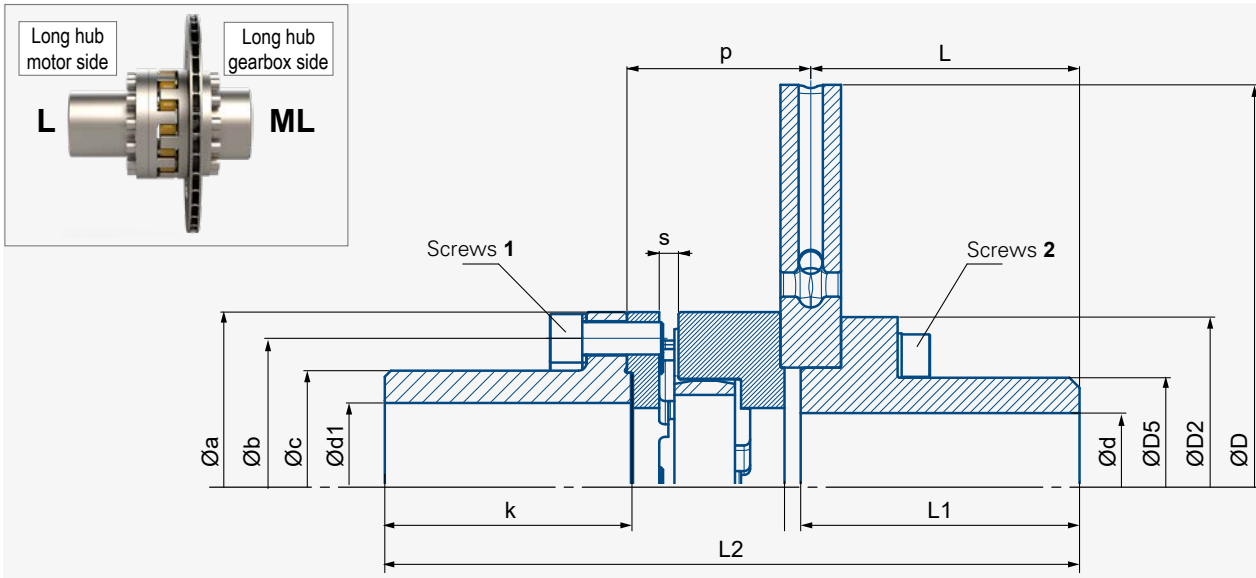
- Solid Disc

- Painted coupling

Nota: In standard, couplings are delivered oiled without protection

Disc mounting and dismounting without

moving the machines back



Degrease faces in contact between disc and coupling.

SVKL-ML / SDKL-ML			125	145		170		200	230			
Disc diameter (th. 30)			315	315	355	395	445	445	495	550		
ASSEMBLY	J with ventilated disc	kg.m²	0,181	0,191	0,273	0,425	0,686	0,736	1,223	1,763		
	J with solid disc	kg.m²	0,271	0,281	0,413	0,665	1,046	1,096	1,723	2,703		
	Max. weight bored	kg	27,8	31,8	40	51,6	61,5	67,5	104	115		
	Maximum speed	r.p.m.	3000	3000	2700	2400	2100	2100	1800	1800		
	L2		319,5	331	351	384,5	424,5	424,5	472,5	472,5		
DISC	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		
COUPLING	L	mm	135	135	155	155	195	195	195	195		
	L1	mm	140	140	160	160	200	200	200	200		
	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	130	150	150		
	Ød1 max keyed	mm	55	70	70	80	80	95	110	110		
	k	mm	110.5	110.5		140.5		130.5	169.5			
	p	mm	76	87.5		91		101	110			
	s	mm	6	6.5		7.5		8.5	9.5			
	Max. torque	Rubber element V	750	1200	1200	1900	1900	2880	5150	5150		
	Tkmax in Nm	element D	1110	1800	1800	2850	2850	4950	7740	7740		
Transmissible torque (Tkn) (Tkn: motor nominal torque)			Tk _n ≤ Tk _{max} /k		k min.	Temperature	k=3	< 40°C	k=4	< 80°C	k=6	≤ 80°C
			Ts< Tk _{max}			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. Ts: motor starting torque. In all cases, Ts < Tkmax
Tightening tool dispersion = ±10%

FLEXIBLE COUPLINGS

SVKL, SVW, SVR and SVT Couplings

SVKL-ML & SDKL-ML DISC COUPLINGS

Revision number: T10152-03-G

Revision date: 08.07.2022

Elastic couplings serie **SVKL-ML & SDKL-ML**

Long hub on motor side and gearbox side

Ventilated discs, thickness : 30 mm

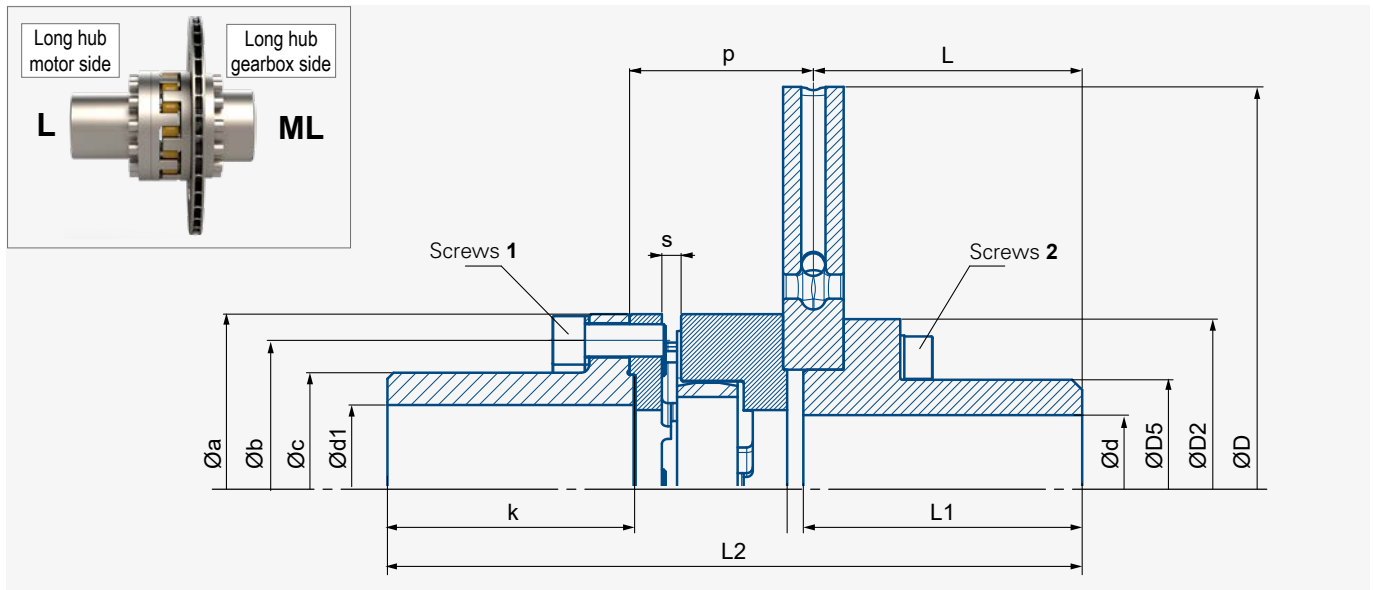
Disc mounting and dismounting without moving the machines back

- **SVKL-ML**: Rubber element V
- **SDKL-ML**: Rubber element D
- Working temperature : -25°C to +80°C

Option:

- Solid Disc
- Painted coupling

Nota: In standard, couplings are delivered oiled without protection



Degrease faces in contact between disc and coupling.

SVKL-ML / SDKL-ML		260			300				400	
Disc diameter (th. 30)		550	625	705	625-2	705	705-2	795	705	795
ASSEMBLY	J with ventilated disc	kg.m ²	1,993	2,793	4,708	4,602	5,138	5,312	7,942	10,292
	J with solid disc	kg.m ²	2,933	4,243	6,938	5,312	7,368	7,892	11,522	13,872
	Max. weight bored	kg	128	148,5	182	200,5	227	245	265,5	312
	Maximum speed	r.p.m.	1800	1500	1300	1500	1300	1300	1200	1200
	L2	mm	529	529	529	540	540	540	540	597
DISC	ØD	mm	550	625	705	625	705	705	795	705
	ØD2	mm	220	235	265	300	265	300	300	265
	ØD5	mm	150	150	180	210	180	210	210	180
	Ød max keyed or shrink fit	mm	100	100	120	130	120	130	130	120
COUPLING	L	mm	195	195	195	195	195	195	195	195
	L1	mm	200	200	200	200	200	200	200	200
	Øa	mm	260	260	260	300	300	300	300	400
	Øb	mm	220	220	220	260	260	260	260	335
	Øc	mm	175	175	175	210	210	210	210	250
	Ød1 max keyed	mm	125	125	125	140	140	140	140	160
	k	mm	209.5			209.5			250	
	p	mm	126.5			137.5			154	
	s	mm	9.5			10.5			10.5	
	Max. torque	Rubber element V	7950	7950	7950	11700	11700	11700	11700	26700
	Tkmax in Nm	Rubber element D	11940	11940	11940	17550	17550	17550	17550	30360
Transmissible torque (Tkn)		Tkn ≤ Tkmax/k	k min.			Temperature Rate	k=3	< 40°C	k=4	< 80°C
(Tkn: motor nominal torque)		Ts < Tkmax						≤ 120 starts/h		≤ 240 starts/h
									k=6	≤ 80°C
										≤ 600 starts/h
* Tightening torque	Screws 1	Nm	541	541	541	685	685	685	685	1364
	Screws 2	Nm	285	398	541	541	541	685	685	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

FLEXIBLE COUPLINGS

SVKL, SVW, SVR and SVT Couplings

SVW & SDW COUPLINGS

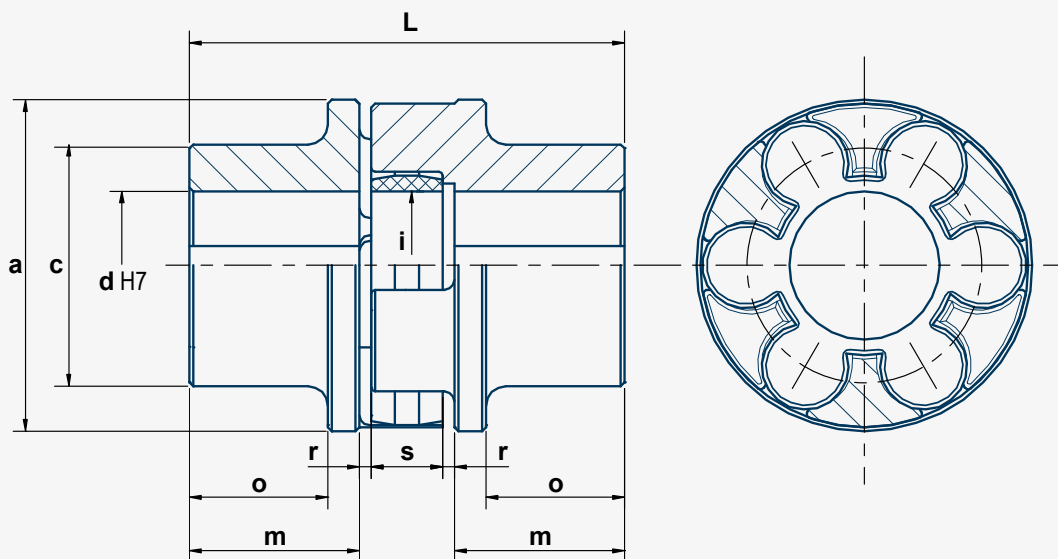
Revision number: T10156-01-C Revision date: 12.05.2020

- Cam ring **V (SVW)**
- Cam ring **D (SDW)**

- Working temperature : -25°C to +80°C

Option:

- Long or short hub (motor or/and gearbox side), consult us.
 - Painted coupling
- Nota: In standard, couplings are delivered oiled without protection



Coupling size SVW- / SDW-			50	70	85	100	125	145	170	200	230	260	300	400
Cam ring n°	SVW	SDW	50V	70V	85V 85D	100V 100D	125V 125D	145V 145D	170V 170D	200V 200D	230V 230D	260V 260D	300V 300D	400V 400D
Qty of cams			4	6	6	6	6	6	8	8	10	10	10	14
Nominal torque TCN	SVW	Nm	15	55	90	160	300	480	760	1150	2060	3180	4680	10680
	SDW	Nm			140	240	440	720	1140	1980	3090	4780	7020	16020
Max. torque TCmax	SVW	Nm	40	140	225	390	750	1200	1900	2880	5150	7950	11700	26700
	SDW	Nm			350	610	1110	1800	2850	4950	7740	11940	17550	40050
Max. r.p.m.	tr/mn		9000	7500	7000	5600	5000	5000	4000	3600	3200	2500	2000	1750
Mass moment of inertia	kgm ²		0.0002	0.001	0,002	0,005	0,010	0,021	0,047	0,108	0,195	0,385	0,735	1,852
Weight	kg		0.68	1.64	2,5	4,5	7	9,5	16	27,5	40	57	84	133
Diameters	a	mm	50	70	85	105	126	145	170	200	230	260	300	400
	c	mm	42	55	62	72	88	90	112	125	140	150	200	225
	d pilot bored.	mm	-	-	-	15	20	20	25	25	35	35	40	40
	d max.	mm	24	32	42	48	60	65	75	90	100	105	140	160
	i	mm	19	29	38	46	56	63	90	102	117	140	162	250
Lengths	L	mm	75	100	110	125	145	160	190	245	270	285	330	400
	m	mm	29,5	38,5	43	49	56	60,5	74,5	98,5	110	112,5	131,5	163,5
	o	mm	23,5	31,5	35	37,5	44	46,5	56,5	77,5	87	87,5	106,5	127,5
	s	mm	12	18	18	20	25	30	30	35	35	45	50	55
	r	mm	2	2,5	3	3,5	4	4,5	5,5	6,5	7,5	7,5	8,5	9

FLEXIBLE COUPLINGS

SVKL, SVW, SVR and SVT Couplings

SVR & SDR COUPLINGS

Revision number: T10174-01-C Revision date: 12.02.2024

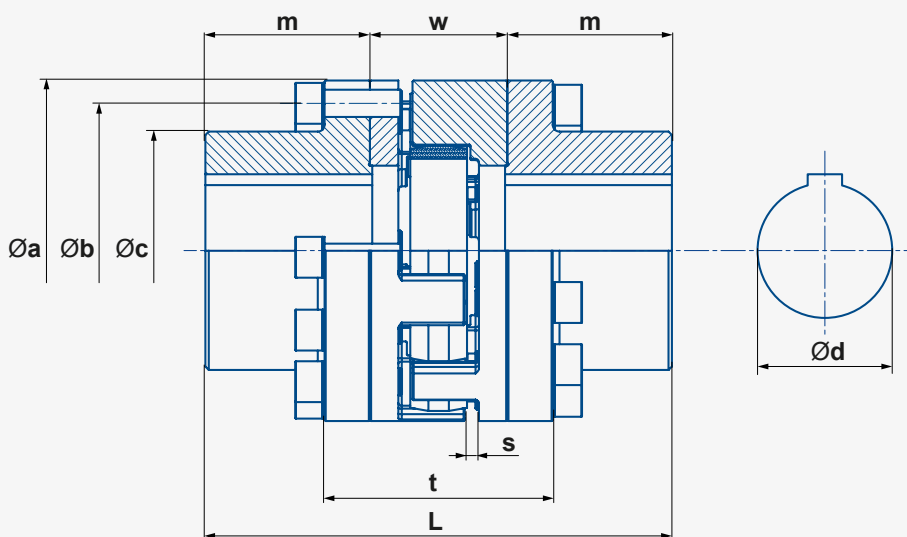
Elastic couplings series **SVR** and **SDR**

Replacement of the rubber element without moving back the machines

- **SVR**: Rubber element V
- **SDR**: Rubber element D
- Working temperature : -25°C to +80°C

Option:

- Long hub (motor or/and gearbox side), consult us
 - Painted coupling
- Nota: In standard, couplings are delivered oiled without protection



Coupling size SVR- / SDR-		125	145	170	200	230	260	300	400	
Inertia J	kg.m²	0,02	0,037	0,077	0,16	0,312	0,63	1,296	4,288	
Max. weight bored	kg	11	16	25	38,5	56	86	134	255	
Maximum speed	r.p.m.	3000	3000	2400	2100	1800	1800	1500	1300	
L		194	218	247	292	304	364	411	487	
t	mm	102	108	117	132	151	182	121	227	
Øa	mm	125	145	170	200	230	260	300	400	
Øb	mm	105	125	144	165	190	220	260	335	
Øc	mm	80	100	112	126	140	168	190	240	
Ød max keyed	mm	55	70	80	90	100	120	125	150	
m	mm	66	75	85	100	105	125	145	175	
w	mm	62	68	77	92	94	114	121	137	
s	mm	6	6,5	7,5	8,5	9,5	9,5	10,5	10,5	
Max. torque Tkmax in Nm	Rubber element V	750	1200	1900	2880	5150	7950	11700	26700	
	D	1110	1800	2850	4950	7740	11940	17550	39700	
Transmissible torque (Tkn) (Tkn: motor nominal torque)		Tk _n ≤ Tk _{max} /k Ts < Tk _{max}		k min.	Temperature Rate	k=3 ≤ 40°C ≤ 120 starts/h	k=4 ≤ 80°C ≤ 240 starts/h	k=6 ≤ 80°C ≤ 600 starts/h		
Tightening torque of the screws *		Nm	48	84	204	204	285	541	685	1364

* 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**

FLEXIBLE COUPLINGS

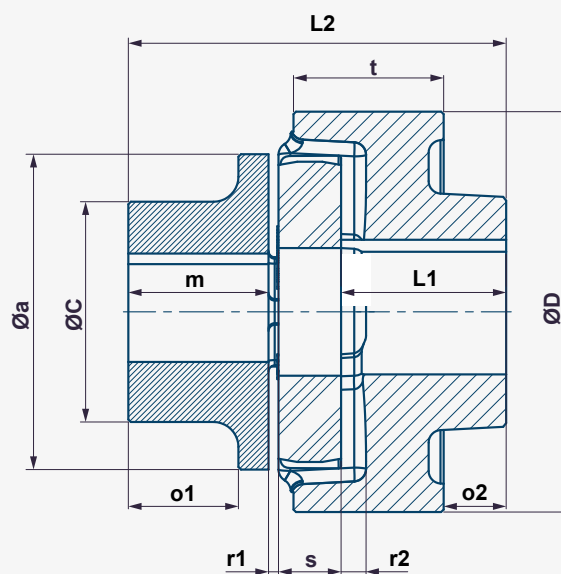
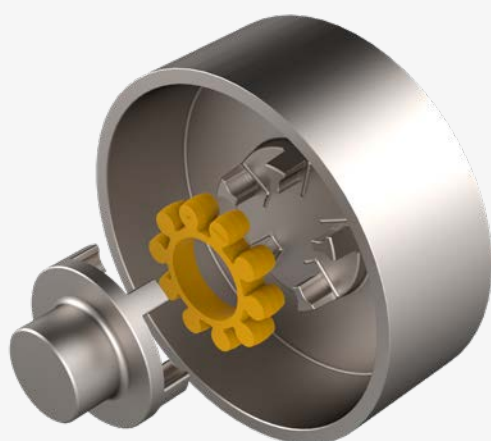
SVKL, SVW, SVR and SVT Couplings

SVT AND SDT DRUM COUPLINGS

Revision number: T10178-01-A Revision date: 01.09.2020

- SVT: Rubber element **V**
- SDT: Rubber element **D**
- Working temperature: -25°C to +80°C

Without specification on the order, couplings are delivered without boring.

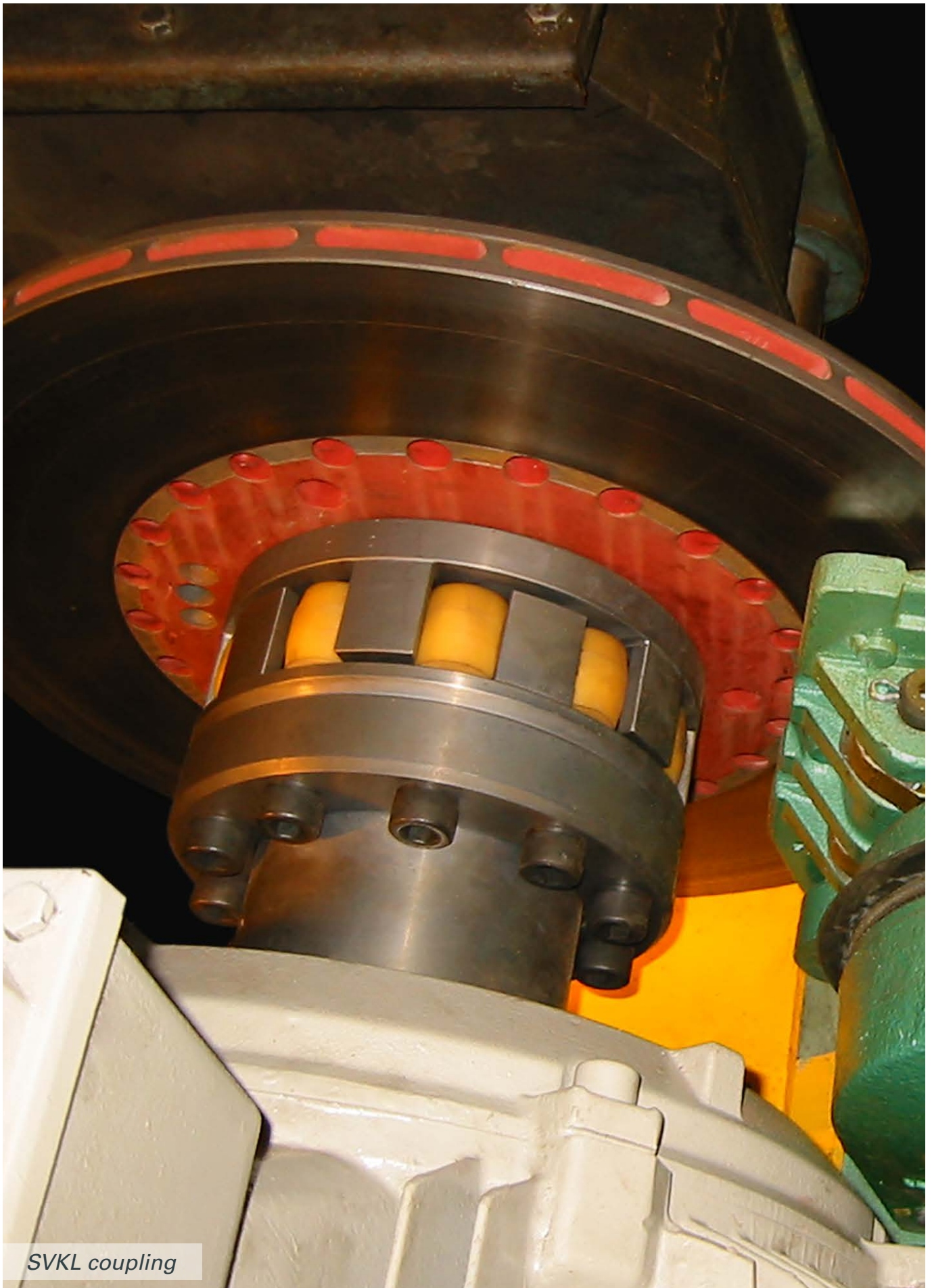


Elastic couplings SVT / SDT			125	145	170	200	230	260
Drum diameter			160	200	250	315	400	630
ASSEMBLY	J	kg.m²	0,03	0,075	0,2	0,5	1,5	12
	Max. weight bored	kg	11	17	30	53,5	85	210
	Maximum speed	r.p.m.	3000	3000	2400	2100	1800	1500
DRUM	L2		151	156	178,5	251	271	286
	ØD	mm	160	200	250	315	400	630
	t	mm	60	75	95	118	150	236
	L1	mm	56	61	63,5	111	118,5	121
	Ød max keyed or shrink fit	mm	50	50	70	70	100	100
COUPLING	Øa	mm	125	145	170	200	230	260
	Øc	mm	88	90	112	120	140	140
	Ød1 max keyed	mm	55	70	80	90	100	100
	m	mm	56	60,5	74,5	98,5	110	112,5
	o1	mm	44	46,5	56,5	77,5	87	87,5
	o2	mm	25	21	14,5	38	36	20
	r1	mm	4	4,5	5,5	6,5	7,5	7,5
	r2	mm	10	5	5	5	5	5
	s	mm	25	30	30	35	35	45
	Max. torque	Rubber element V	750	1200	1900	2880	5150	7950
	Tkmax in Nm	Rubber element D	1110	1800	2850	4950	7740	11940
Transmissible torque (Tkn) (Tkn: motor nominal torque)			Tkn ≤ Tkmax/k k min. T° k=3 < 40°C k=4 < 80°C k=6 ≤ 80°C Ts < Tkmax Rate ≤ 120 starts/h ≤ 240 starts/h ≤ 600 starts/h					

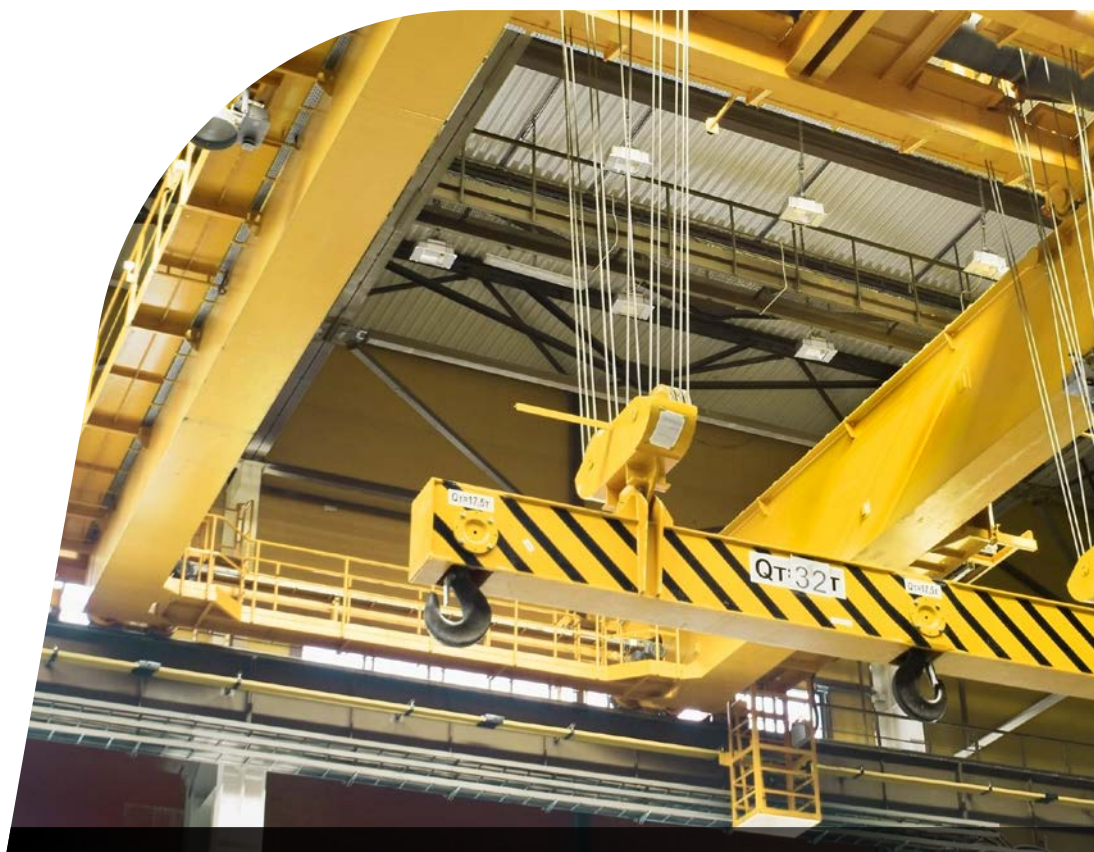
Ts: motor starting torque. In all cases, Ts < Tkmax

FLEXIBLE COUPLINGS

SVKL, SVW, SVR and SVT Couplings



SVKL coupling



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