

**SSC**  
**STEEL SPRING COUPLING**



**Stromag developed a steel spring coupling with the highest allowable temperature range (-40°C to 150°C) and smallest mounting space.**

SAE flywheel connection	11.5", 14" and 18"
Torque range	Up to 12.000 Nm
Executions	With and without internal bearing, combination of clutch and coupling
Special surface protection	Nitrocarburized
TVA-experts calculated	

**APPLICATIONS**

- Agricultural machinery
- Construction
- Industrial applications

Our Steel Spring Coupling offers a compact solution custom-tailored to any application in agricultural, construction and industrial applications.

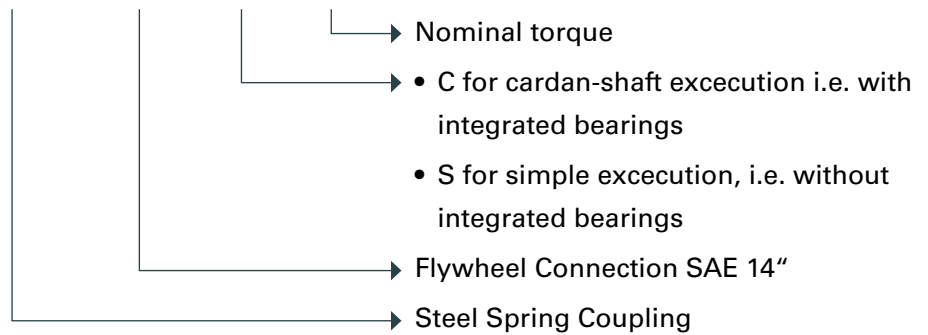
It damps torsional vibrations, reduces the shock load in the drive-train, and therefore improves the expected life-time of the driveline components and the reliability of the engine.

Another advantage is the smooth starting due to the 2-stage characteristic of the torque curve. The design ensures a "fail-safe" protection. In the cardan-shaft execution the combination of the damping-system friction-lining / connecting disc and bearing preload allows a simple construction and reliable operation of the bearing. The couplings are delivered pre-assembled, so that a simple and quick installation can be done.



## STEEL SPRING COUPLING

### SSC - 14 - C - 4170



#### FUNCTION

- Oscillation-/ vibration dampening
- Torque transmission
- Absorbing high impact loads
- Low mass moment of inertia
- Suitable up to 150°C ambient temperature
- Stromag patented technologies

#### EXECUTIONS

- With and without internal bearing (designed for cardan shaft connection with integrated bearing)

#### SURFACE PROTECTION

- Gas nitrocarburized/phosphated
- Further surface protection possible on request

#### BENEFITS INCLUDE

- Customized torsional stiffness, adapted to the application supported by TVA experts
- Adaptation to individual drive-trains by means of various spring packages and friction-lining materials
- Gentle starting by 2-stage torque curve
- Highest life among the highly elastic couplings
- Smallest possible highly elastic coupling for this application
- Highest temperature resistance up to 150°C

Designation			SSC-14-C	SSC-14-S	SSC-11,5-C	SSC-11,5-S
Article number			856-00101	856-00102	856-00104	856-00105
Nominal torque	$T_{kN}$	Nm	4170	4170	2550	2550
Alternating torque	$T_{kw}$	Nm	830	830	510	510
Flywheel connection			SAE 14	SAE 14	SAE 11,5	SAE 11,5
Weight	$m_{ges}$	kg	31,7	13,5	17,3	7,4
Max. rotating speed	$n_{max}$	rpm	3000	3000	3600	3600
Coupling outer diameter	$d_1$	mm	466,725	466,725	352,42	352,42
Customer connection – driven side	Customized					