

**RSCI20 One Way Clutches Sprag Type (20x90x35mm) Overrunning clutches Stieber Freewheel Clutch**

**A . One Way Clutches Sprag Type Parameters**

Brand- TMP  
 number- RSCI20  
 ng(mm)- 20  
 ng(mm)- 90  
 lth(mm)- 35  
 ight(Kg)- 1.5  
 ue(Nm)- 212  
 aterials- GCR15  
 Series- RSCI  
 ion type- Grease/oil  
 tch type- Sprag  
 ecision- P0

tructure- Type RSCI is a centrifugal lift off sprag type freewheel with the inner race rotating.

**B . RSCI20 One Way Clutches Sprag Type Specification Sheet**

Model Number	Size	Torque	Speeds(r/min)			Diameter(mm)					Number	Diameter(mm)										Weight (kg)	
	d	TKN1 (Nm)	n max	ni min	ni max	D	D1	D2	D3	D4		z	L	I	I1	I4	fx45	d min	m	tm in	I2	I3	RS Cl
RSCI20	20	212	315	750	15000	90	36	66	78	M6	6	35	35	25	0	1	52	5	1	8	16	2	0

**C . RSCI Series One Way Clutches Sprag Type Details**

**Product** One Way Clutches Sprag Type mainly used as Backstop clutches(Most suitable as backstops, and mostly the contact-free versions);  
 Backstop clutches:The freewheel allows rotation in one direction only. It overruns continuously during operation. The freewheel prevents reverse rotation if the drive is disconnected.

**Series Introduction** Type RSCI is a centrifugal lift off sprag type freewheel with the inner race rotating. Only the inner race is designed for freewheeling. It is a non self- supported type.Bearings must be provided to ensure concentricity of the inner and outer races support axial and radial loads, as shown overleaf. Concentricity and run-out limits must be observed. The RSCI type accepts all types of lubricant currently used in power transmission equipment. It is possible to mount these freewheels directly in gear-boxes without separate lubrication. An oil mist is generally sufficient. Grease lubrication may be acceptable if the unit works mostly in overrunning condition, as on E-motors.When used as a backstop, it must be checked that the overrunning speed will not go below the minimum speed given in the characteristics table.

RSCI20 RSCI25 RSCI30 RSCI35 RSCI40 RSCI45 RSCI50 RSCI60 RSCI70 RSCI80 RSCI80M  
RSCI90 RSCI90M RSCI100 RSCI100M RSCI130 RSCI180 RSCI180 M RSCI180 II RSCI180 II-M  
RSCI220 RSCI220 M RSCI220 II RSCI220 II-M RSCI240 RSCI240 M RSCI240 II RSCI240 II-M  
RSCI260 RSCI260 M RSCI260 II RSCI260 II-M RSCI300 RSCI300 M RSCI300 II RSCI300 II-M

**Series**  
**Model**  
**No.**

Reducers , Flender Gearbox ,SEW Gearbox;  
Overrunning clutch: for multiple-machine drives or to separate the inertia of masses of a driven machine from the driving machine after it has been switched off.

**Applicat**

**ions** Indexing clutch: which turns a shaft step by step, thus achieving indexed material feed or a variable speed.

Backstop clutch: to prevent a machine shaft turning backwards. In this case the overrunning clutch acts as a brake.

#### **D . RSCI type One Way Clutches Sprag Type Installation & Cautions**

For all freewheel inner races connected to shaft by a key, our stand-ard bore tolerance is H7, with keyway to JS10. If no other indication we recommend a shaft tolerance of h6 or j6. For maximum indexing accuracy, adjusted keys should be machined to give no clearance.  
Shaft and bore tolerances are speci-fied on the pages for each type where press fitting is appropriate.As with standard bearings, suitable tooling must be used for press fitting such that no axial load is transmitted through the inner part of the freewheel during assembly.

<http://www.aliexpress.com/store/1500617>  
<http://www.aliexpress.com/store/1462552>  
<http://www.tradebearings.com/so21986/>  
<http://tmpmachine.sell.everychina.com/>  
<http://so21986.tradeprince.com/>  
<http://so21986.en.ec21.com/>  
<http://so21986.en.gongchang.com/>  
<http://www.made-in-china.com/showroom/so21986>  
<http://tmpparts.en.hisupplier.com/>

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TMP Bearings,Crossed roller bearing,Thin section bearing,Turtable bearing,Ceramic Ball Bearings,Bearing,Slewing bearing,Robotic bearing,YRT Rotary Table Bearing,Angular Contact Ball Bearing,Thin section ball bearing ,One Way Clutches,One Way Bearings,Drawn Cup Roller Clutches,Overrunning clutches,Indexing clutches,Backstop clutches