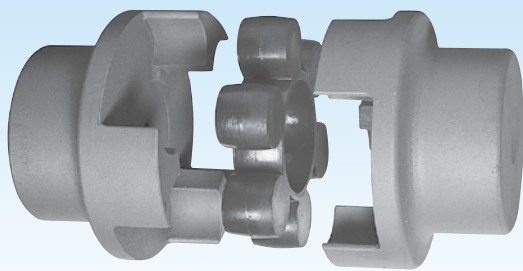


TSCHAN® Coupling S



- Small size with large torque
- Light, compact and easy to install and remove
- Suitable for machinery with high revolution speed
- Quiet operation and longer operating life
- Maintenance-free

Applications

- Crane
- Hot run table
- NC mill
- Machining center
- Food manufacturing machinery
- Industrial sewing machine
- Centrifuge
- Generator
- Conveyor drive
- Screw compressor
- Water pump
- Two-way blower

Coupling Product Code (Example)

S 200 St - U

Model — Size — Flange Material — Elastic Body: Polyurethane

Standard Sizes for TSCHAN® Coupling S

S				SX				SV				SZ				Maximum No. of Revolution N _{max} (min ⁻¹)	
Code	Maximum Torque M _{max} (N·m) Elastic Body		Outer Diameter mm	Total Length mm	Code	Outer Diameter		Total Length mm	Code	Outer Diameter		Total Length mm	Code	Outer Diameter		A ₂	St
	Rubber	Polyurethane				ST mm	ZA mm			VS mm	ZA mm						
(S 20 A ₂)	1.08	1.96	20	27												24000	—
(S 30 A ₂)	5.79	11.8	30	35												16000	—
(S 40 A ₂)	12.7	26.5	40	50												12000	—
S 50 St	17.7	35.3	50	75												—	15000
S 70 St	69.6	137	70	100												—	11000
S 85 St	98	196	85	110												—	9000
S 100 St	167	343	105	125	SX 100 St/A ₂	105	145	84.5	SV 100 A ₂ /St	105	145	50	SZ 100 A ₂	145	42	7250	7250
S 125 St	304	628	126	145	SX 125 St/A ₂	126	170	97	SV 125 A ₂ /St	126	170	57	SZ 125 A ₂	170	47	6000	6000
S 145 St	510	1040	145	160	SX 145 St/A ₂	145	194	109	SV 145 A ₂ /St	145	194	65	SZ 145 A ₂	194	55	5250	5250
S 170 St	790	1630	170	190	SX 170 St/A ₂	170	220	126.5	SV 170 A ₂ /St	170	220	75	SZ 170 A ₂	220	60	4500	4500
S 200 St	1380	2820	200	245	SX 200 St/A ₂	200	252	156.5	SV 200 A ₂ /St	200	252	85	SZ 200 A ₂	252	65	3750	3750
S 230 St	2140	4360	230	270	SX 230 St/A ₂	230	290	171	SV 230 A ₂ /St	230	290	90	SZ 230 A ₂	290	70	3250	3250
S 260 St	3350	6850	260	285	SX 260 St/A ₂	260	335	187.5	SV 260 A ₂ /St	260	335	110	SZ 260 A ₂	335	85	3000	3000
S 300 St	4960	10100	300	330	SX 300 St/A ₂	300	385	218.5	SV 300 A ₂ /St	300	385	130	SZ 300 A ₂	385	100	2500	2500
S 360 St	8200	16700	360	417	SX 360 St/A ₂	360	455	271.5	SV 360 A ₂ /St	360	455	175	SZ 360 A ₂	455	123	2150	2150
S 400 St	11300	22900	400	400	SX 400 St/A ₂	400	514	265	SV 400 A ₂ /St	400	514	180	SZ 400 A ₂	514	125	1900	1900

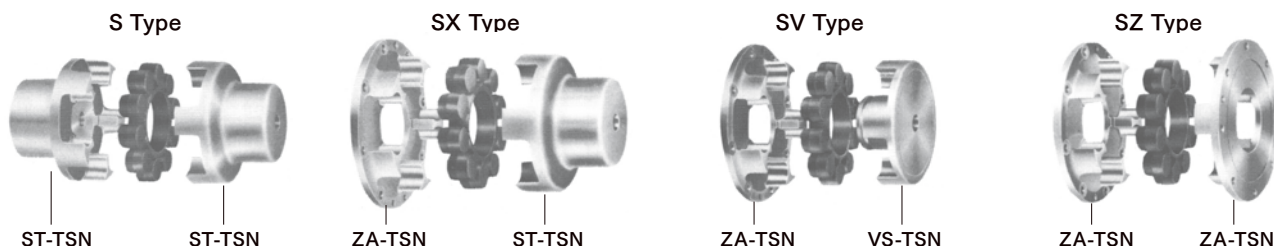
Sizes in () are not standard stocked items.

Material of coupling flange A₂: Aluminum alloy

St: Steel

Gs: Cast steel

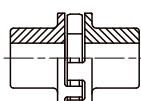
Combination Examples of Standard Types



* TSCHAN® is a registered trademark of TSCHAN® Corporation.

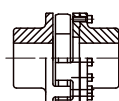
Combination Examples

S-LSt Type



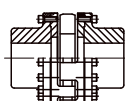
Longer one of S type

SD-5 Type



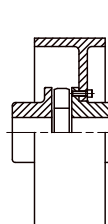
One side of flange and boss are detachable by bolts

SDD-5 Type



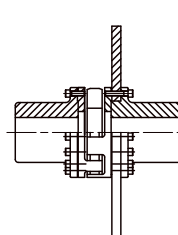
Both side of flange and boss are detachable by bolts

S-BT Type



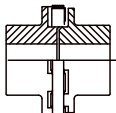
S type with brake drum

SDDL-5-BS Type



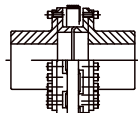
SDD type with brake disc

BH Type



For high torque.
Elastic body replaceable without moving machine.

BHDD Type



For high torque.
One side of flange and boss is detachable by bolts