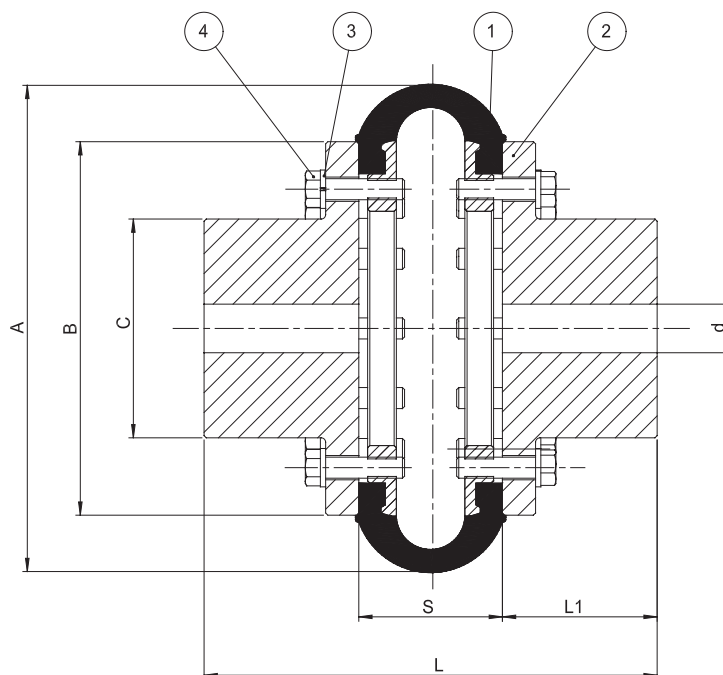


SPEFLEX - N



SPN Type



COMPONENTS

Item 01:	Element
Item 02:	Standard Hub
Item 03:	Lock Washer
Item 04:	Bolt

TECHNICAL DATA

Size	Max. (Nm)	Max. (Nm)	Max. Rotation (rpm)	A (mm)	B (mm)	C (mm)	d1 (Min)	d1 (Max)	L (mm)	L1 (mm)	S (mm)	J (Kgm2)	Weight (Kg)
25	45	90	5000	95	74	36	9	24	80	25	30	0,00096	1
35	90	180	4000	125	96	49	9	32	110	35	40	0,0038	2
50	340	680	3600	165	127	70	20	48	150	50	50	0,0136	5
70	940	1880	3600	220	169	99	25	65	205	70	65	0,058	14
90	1700	3400	3600	300	218	116	30	85	250	80	90	0,22	27
105	2500	5000	3600	335	235	139	35	100	290	100	90	0,3	41

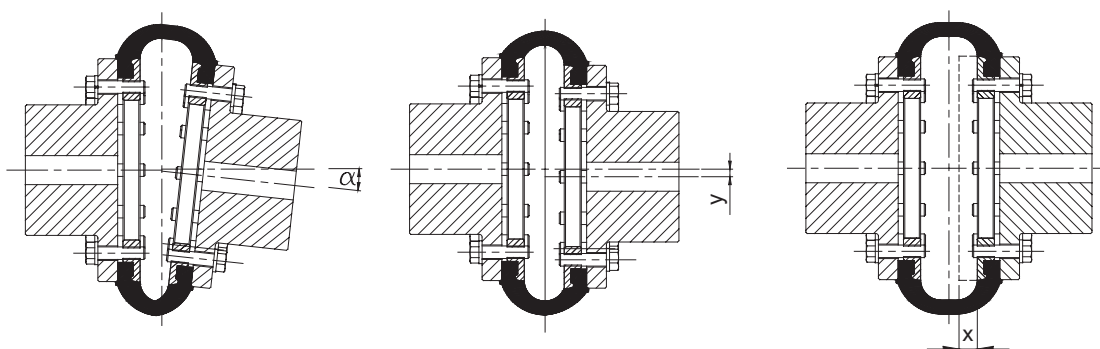
Other Sizes on inquiry

SCREWING MOMENTUM (Nm)

Size	1° Tightening momentum (Nm)	2° Tightening momentum (Nm)*
25	5	5
34	10	10
50	20	20
70	25	25
90	60	60
105	60	60

*Apply a second tightening on the bolts after 24 hours of operation

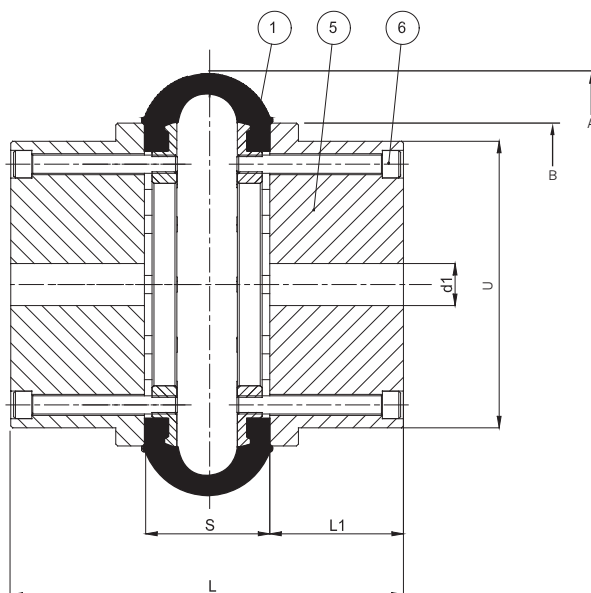
ADMISSÍBLE MISALIGNMENTS



MAXIMUM ADMISSIBLE MISALIGNMENTS FOR MAX. REVOLUTION

Size	Angular (°)	Radial (mm) Y	Axial (mm)	Maximum revolution (rpm)
25	2,0	0,3	0,5	5000
35	2,0	0,4	0,8	4000
50	2,0	0,5	1,0	3600
70	2,0	0,8	1,5	3600
90	2,0	1,0	2,0	3600
105	2,0	1,0	2,0	3600

SPIII Type



COMPONENTS

Item 01:	Element
Item 05:	Full Hub
Item 06:	Bolt

TECHNICAL DATA

Size	Max. (Nm)	Max. (Nm)	Max. Rotation (rpm)	A (mm)	B (mm)	C (mm)	d Δ (Mín)	d Δ (Máx)	L (mm)	L1 (mm)	S (mm)	J (Kgm2)	Weight (Kg)
25	45	90	5000	95	74	66	9	38	80	25	30	0.001	2
35	90	180	4000	125	96	86	9	45	110	35	40	0.004	4
50	340	680	3600	165	127	120	20	60	150	50	50	0.0021	10
70	940	1880	3600	220	169	150	25	90	205	70	65	0.076	22.5
90	1700	3400	3600	300	218	180	30	105	250	80	90	0.226	41
105	2500	5000	3600	335	235	200	35	125	290	100	90	0.396	60

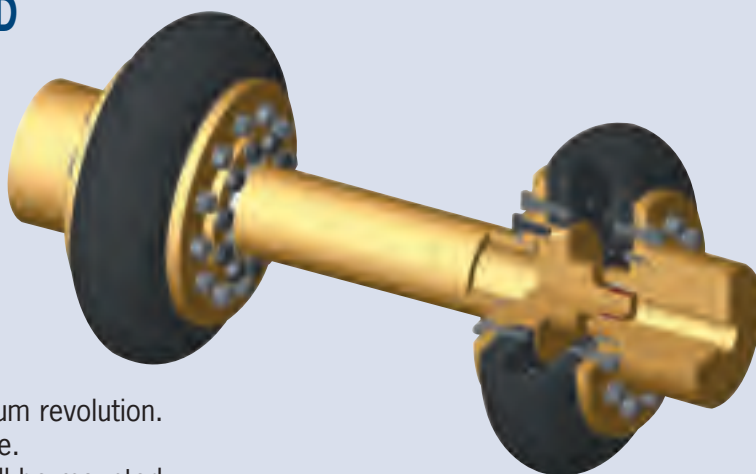
Other Sizes on inquiry

The Tkn rated torque values and maximum Tk torque comply with DIN Standard 740.

PRACTICAL SELECTION METHOD

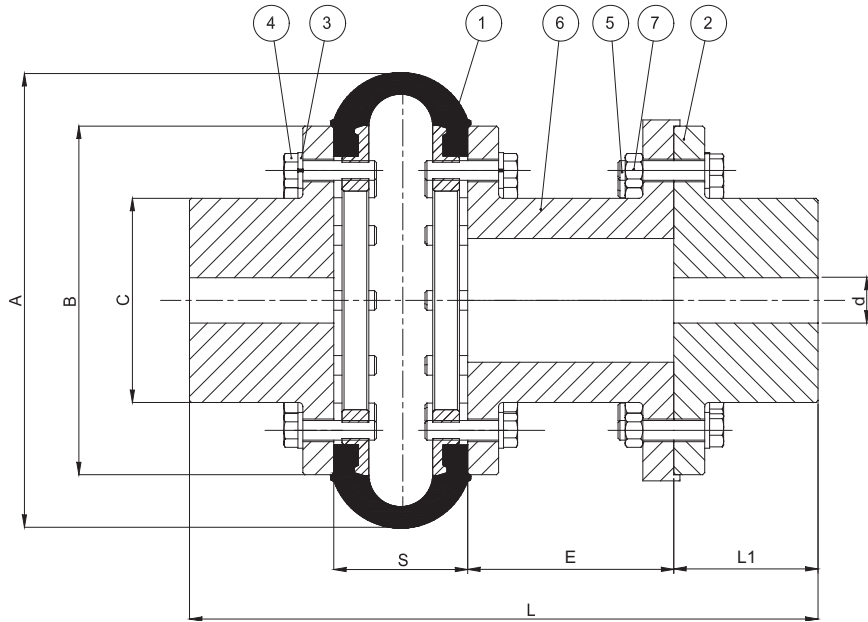
Check the following data:

- 1) What is the power to be transmitted in CV [or HP]. If the power is in [kw] multiply by 1.36 to obtain in CV [or HP]
1CV≈1HP = 1.36 KW
- 2) Coupling revolution in [RPM].
Should be lower than the coupling maximum revolution.
- 3) FS application service factor. See the table.
- 4) Dia meters of axes where the coupling will be mounted.
Check the maximum diameter.
- 5) Uses the formula on the side.
- 6) The Tkn coupling rated torque should be greater than the calculated.



$$T_{kn} \geq \frac{7162 \times CV \times FS}{RPM} \quad [Nm]$$

SPE Type



COMPONENTS	
Item 01:	Element
Item 02:	Standard Hub
Item 03:	Lock Washer
Item 04:	Bolt
Item 05:	Bolt
Item 06:	Spacer
Item 07:	Nut

TECHNICAL DATA																
Size	Max. (Nm)	Max. (Nm)	Max. Rotation (rpm)	A (mm)	B (mm)	C (mm)	d (Min)	d (Máx)	L (mm)				L1 (mm)	S (mm)	J (Kg·m²) E=100	Weight (Kg) E=100
									E=100	E=140	E=180	E=250				
25	45	90	5000	95	74	36	9	24	180	220	260	330	25	30	0,0011	2
35	90	180	4000	125	96	49	9	32	210	250	290	360	35	40	0,0038	4
50	340	680	3600	165	127	70	20	46	250	290	330	400	50	50	0,01	8,5
70	940	1880	3600	220	169	99	25	65	305	345	385	455	70	65	0,06	20,5
90	1700	3400	3600	300	218	116	30	85	350	390	430	500	80	90	0,19	34
105	2500	5000	3600	335	235	139	35	100	390	430	470	540	100	90	0,3	47

Other Sizes on inquiry

SERVICE FACTOR	
Stirrers	1.5
Alternative Pumps	2.5
Centrifugal Pumps	1.3
Spindle Pumps, Lobes	1.5
Calenders and Press Roll	2
Drying Cylinders	1.75
Alternative Compressors	3
Centrifugal Compressors	1.25
Bolt Compressors	1
Generators	1.5
Recoilers	2
Roll Tables	2.5
Centrifugal Blowers	1.5
Lobe Blowers	1.5
Light-Weight Conveyors	1.5
Heavy-Weight Conveyors	1.75
Centrifugal Fans	1.5
Cooling Tower Fans	1.5

Obs.:
The service factors above are valid for drives by electric motors and turbines.
The service factor is a function of the machine shock intensity and the temperature. The greater the shock intensity and temperature, the greater should be the factor. Maximum admissible temperature = 80° C.

VULKAN SPEFLEX N COUPLINGS

The Speflex N couplings were developed for application where making a perfect alignment is difficult. They can absorb great misalignment without generating efforts on the bearings. This means a longer lifetime for the engine and pump bearings

OTHER ADVANTAGES OF THE SPEFLEX N COUPLINGS

- Absorb vibrations
- Electrical insulation between axles
- Easy maintenance
- No lubrication
- Vulkan Brand Assurance

CONSTRUCTIVE METHODS


SPN

Standard construction


SPI

Construction with a full hub allows for mounting on axles with greater diameters.


SPE

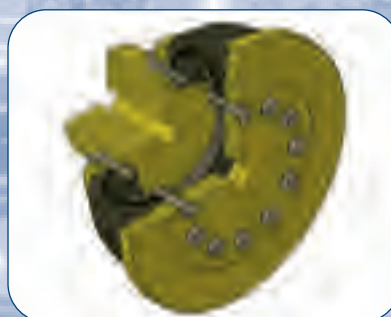
Construction with a spacer


SPX

Construction with internal claws for transmission in case of the element disruption.


SPTF

Construction with brake pulley


SPF

Construction with flange for mounting



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- Subsidiaries
- Representatives

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