

Aratron Lagerstandard – Samtliga storlekar och varianter av Smartflex enligt nedan ingår i vårt lagersortiment

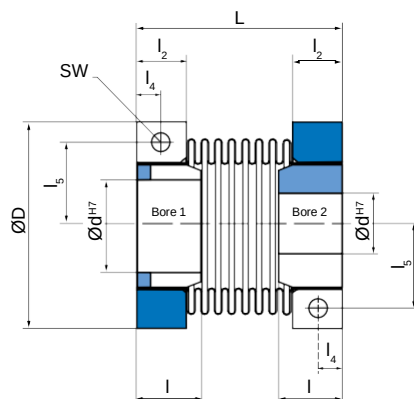


Fig. 1: Type 932.333

Technical Data				Size			
				0	1	2	3
Nominal torque		T _{KN}	[Nm]	16	40	100	200
Minimum hub bore ¹⁾		d _{min}	[mm]	8	11	16	18
Maximum hub bore ¹⁾		d _{max}	[mm]	19	25	36	50
Maximum speed		n _{max}	[rpm]	10 000	8 000	6 000	4 000
Screws	tightening torque ± 5%	T _A	[Nm]	10	14	17	41
	wrench opening	SW	[mm]	4	5	5	6
Permitted misalignments ²⁾	permitted axial displacement	Type 932.3_3	ΔK _a	[mm]	0,4	0,6	0,8
		Type 932.433	ΔK _a	[mm]	-	0,3	0,4
	permitted radial misalignments	Type 932.3_3	ΔK _r	[mm]	0,3	0,4	0,5
		Type 932.433	ΔK _r	[mm]	-	0,1	0,1
	permitted angular misalignments	Type 932.3_3	ΔK _w	[°]	3	3	3
		Type 932.433	ΔK _w	[°]	-	1,5	1,5
Spring stiffness	axial spring stiffness	Type 932.3_3	C _{ax}	[N/mm]	50	70	90
		Type 932.433	C _{ax}	[N/mm]	-	140	180
	torsion	Type 932.3_3	C _T	[Nm/rad]	4 000	9 000	22 000
		Type 932.433	C _T	[Nm/rad]	-	18 000	44 000

1) Please observe transmittable torques and preferred bores according to Tables 1 and 2 on page 2.

2) The permitted misalignments must not simultaneously reach the maximal values.

Dimension [mm]	Size			
	0	1	2	3
D	46	57	72	94
D ₁	-	29,9	42,2	-
L	49,5	59,3	72	90,3
L ₁	-	71,5	82	-
L ₂	-	43,7	52,5	65,6
l	15	18	20	26
l ₁	-	30	30	-
l ₂	13	15	17	22
l ₃	-	12	10	-
l ₄	6,5	7,5	9	11,5
l ₅	15,2	20	27	34,5

Mass moment of inertia [10 ⁻⁶ kgm ²]	Size			
	0	1	2	3
Type 932.333	36	104	330	1210
Type 932.343	-	107	340	-
Type 932.433	-	94	290	1060

Weight [kg]	Size			
	0	1	2	3
Type 932.333	0,132	0,245	0,467	1,00
Type 932.343	-	0,265	0,521	-
Type 932.433	-	0,217	0,400	0,876

Transmittable torques of the clamping connection - dependent on bore - Type 932.___3

	Bore	Size					
		0	1	2	3		
Frictionally-locking transmittable torques of the clamping connection	Ø8	9,6	-	-	-		
	Ø9	11	-	-	-		
	Ø11	14	24	-	-		
	Ø12	16	26	-	-		
	Ø14	16	31	-	-		
	Ø16	16	35	60	-		
	Ø18	16	39	68	120		
	Ø19	16	40	72	127		
	Ø20	-	40	75	133		
	Ø22	-	40	84	147		
	Ø25	-	40	100	167		
	Ø28	-	-	100	187		
	Ø30	-	-	100	200		
	Ø32	-	-	100	200		
	Ø35	-	-	100	200		
	Ø36	-	-	100	200		
	Ø38	-	-	-	200		
	Ø40	-	-	-	200		
	Ø42	-	-	-	200		
	Ø45	-	-	-	200		
	Ø48	-	-	-	200		
	Ø50	-	-	-	200		
	Ø55	-	-	-	-		
	Ø60	-	-	-	-		
	Ø62	-	-	-	-		
	Ø65	-	-	-	-		
	Ø70	-	-	-	-		
	Ø75	-	-	-	-		
	Ø80	-	-	-	-		
	Ø85	-	-	-	-		

Table 1

Preferred bores

	Size									
	0	1	2	3	4	5	6	7	8	9
Preferred bores $\varnothing d_{H7}$	- 10	- 20	- 20	30	-	20	30	40	50	-
	- 11	11	-	-	-	-	-	-	-	-
	- 12	12	22	-	22	32	-	22	32	42
	- 13	-	-	-	-	-	-	-	-	-
	- 14	14	24	-	24	-	-	24	-	-
	- 15	15	25	-	25	35	-	25	35	45
	- 16	16	-	16	26	36	-	26	36	-
	- 17	-	-	17	27	-	-	27	-	-
	8 18	18	-	18	28	-	18	28	38	48
	9 19	19	-	19	-	-	19	-	-	-

Table 2

Order number

—	/	9	3	2	.	—	—	3	/	—	/	—
Sizes 0 to 3						3	4	3		Bore 1 $\varnothing d_{H7}$		Bore 2 $\varnothing d_1$
										(see Table 2)		(see Table 2)

Example: 2/932.343/Ød 20/Ød₁ 16

3) Type 932.433 (cylindrical bores on both sides combined with short steel bellows): only sizes 1 – 3

4) Type 932.343 (cylindrical bore and tapered bore combined with long steel bellows): only sizes 1 and 2

5) Type 932.443 (cylindrical bore and tapered bore combined with short steel bellows): on request