

Name	SUPERFLEX PU LR DIN 4102-B1
Code	912883
Commercial Description	Polyurethane ducting, flame retardant according to Din 4102-B1 reinforced with copper plated steel spiral, for suction and transport of dust, wood chips and other abrasive materials.
Branding	 SUPERFLEX PU LR EST DIN 4102-B1 -40°C +90°C MADE IN ITALY (N° comm.+N° op.) Ø..
Structure	Copper-plated steel spiral
Use sector	☒ Agriculture ☐ Gardening ☒ Industry ☒ Building ☐ Marine ☒ Transport ☐ House ☐ Medical
Smooth surface	★★
Flexibility	★★★★★
Abrasion Resistance	★★★★★
Temperature range	-40 °C 90 °C
Chemical Resistance	PU Table
Crushing Resistance	★★
Ozone Resistance	☒ ★★★★★
Flame Retardant	According to DIN -4102 IN B1 class
O-Phtalate Free	☒
PU Type	Polyester
ATEX	According to the directions for use

TECHNICAL DATA WITH TOLERANCES

	Ø NOMINAL	Ø NOMINAL	Ø I.D.	Ø O.D.	VACUUM 23 °C	BENDING RADIUS	WALL THICKNESS	Ø STEEL WIRE	SPIRAL PITCH	SPIRAL DIRECTION	WEIGHT METER	COIL LENGTH
	mm	inch	mm	mm	m/H ₂ O	mm	mm	mm	mm		g/m	m
	20		21.5	25.5	0.4	5	0.35	1	9.5	left	100	30
			±1	±1			±0.1		±1			
	25	1	26	30	0.4	6	0.35	1	9.5	left	115	30
			±1	±1			±0.1		±1			
	30		31	35	0.3	7	0.35	1	14	left	120	30
			±1	±1			±0.1		±1			
(*)	32		32.5	36.5	0.28	8	0.35	1	14	left	125	30
			±1	±1			±0.1		±1			
	35		36	40	0.28	8	0.35	1	14	left	140	30
			±1	±1			±0.1		±1			
(*)	38		38.5	42.5	0.25	9	0.4	1	14	left	145	30

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	mm	inch	mm	mm	m/H ₂ O	mm	mm	mm	mm		g/m	m
			±1	±1			±0.1		±1			
	40		41	45	0.25	10	0.4	1	14	left	150	30
			±1	±1			±0.1		±1			
	45	1 3/4	46	50	0.23	12	0.4	1	14	left	190	30
			±1	±1			±0.1		±1			
	50	2	51	55	0.2	13	0.4	1.2	18	left	185	30
			±1	±1			±0.1		±1			
(*)	55		56	60	0.18	14	0.4	1.2	18	left	200	30
			±1	±1			±0.1		±1			
	60		61	65	0.16	15	0.4	1.2	18	left	220	30
			±1	±1			±0.1		±1			
	63	2 1/2	64	68	0.15	16	0.4	1.2	18	left	230	30
			±1	±1			±0.1		±1			
	70		71	75	0.14	18	0.4	1.4	18	left	330	30
			±1	±1			±0.1		±1			
	76	3	77	81	0.1	19	0.4	1.4	18	left	350	30
			±1	±1			±0.1		±1			
	80		81	85	0.1	20	0.4	1.4	18	left	370	30
			±1	±1			±0.1		±1			
	90	3 1/2	91	95	0.1	22	0.4	1.4	18	left	420	30
			±1	±1			±0.1		±1			
	100	2	102	106	0.09	20	0.4	1.6	23	left	480	30
			±1	±1			±0.1		±1			
	110		112	116	0.09	22	0.4	1.6	23	left	520	30
			±1	±1			±0.1		±1			
(*)	115		117	121	0.09	23	0.4	1.6	23	left	545	30
			±1	±1			±0.1		±1			
	120		122	126	0.09	24	0.4	1.6	23	left	550	30
			±1	±1			±0.1		±1			
	125	5	127	131	0.08	25	0.4	1.6	23	left	590	30
			±1	±1			±0.1		±1			
	130		132	136	0.08	26	0.4	1.6	23	left	610	30
			±1	±1			±0.1		±1			
	140		142	146	0.08	28	0.4	1.6	23	left	660	30
			±1	±1			±0.1		±1			
	150	6	153	158	0.06	30	0.5	1.8	30	left	700	30
			±1	±1			±0.1		±1			
	160		163	168	0.06	32	0.5	1.8	30	left	750	30
			±1	±1			±0.1		±1			
	170		173	178	0.06	34	0.5	1.8	30	left	780	30
			±2	±2			±0.1		±1			
	180		183	188	0.06	36	0.5	1.8	30	left	830	30
			±2	±2			±0.1		±1			
	200	8	203	208	0.05	40	0.5	1.8	30	left	920	30
			±2	±2			±0.1		±1			

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	mm	inch	mm	mm	m/H ₂ O	mm	mm	mm	mm		g/m	m
	220		223	228	0.05	45	0.5	1.8	30	left	1070	15
			±2	±2			±0.1		±1			
	250	10	254	260	0.04	50	0.6	2	36	left	1250	15
			±2	±2			±0.1		±2			
(*)	280		284	290	0.04	55	0.6	2	36	left	1350	10
			±2	±2			±0.1		±2			
	300	12	304	310	0.03	60	0.6	2	36	left	1500	10
			±2	±2			±0.1		±2			
(*)	315		319	325	0.03	62	0.6	2	36	left	1550	10
			±2	±2			±0.1		±2			
(*)	325		329	335	0.03	65	0.6	2	36	left	1600	10
			±2	±2			±0.1		±2			
	350	14	354	360	0.03	70	0.6	2	36	left	1750	10
			±2	±2			±0.1		±2			
	400		405	412	0.02	80	0.6	2	36	left	2000	10
			±2	±2			±0.1		±2			
(*)	450		455	462	0.01	90	0.6	2	36	left	2300	10
			±2	±2			±0.1		±2			
(*)	500		505	512	0.01	100	0.6	2	36	left	2500	10
			±2	±2			±0.1		±2			
(*)	550		555	562	0.01	110	0.6	2	36	left	2700	10
			±2	±2			±0.1		±2			
(*)	600		605	612	0.01	120	0.6	2	36	left	3000	10
			±2	±2			±0.1		±2			

Norms

Vacuum resistance conducted with constrained ends: according to Merlett test method ILLAB018
Bending radius at 23°C: according to UNI EN ISO 10619-1, A1

Notes

(*) theoretical data to check at first production