

Milling



S E F A R
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Introduction

Today, SEFAR NYTAL® is the brand name for all products Sefar produces and sells to the milling and food industries.

Our products are available as ready-made articles and also as rolled goods for all types of sieving machines. We are able to supply millers with all products from one source for sieving, grading, and dust removal as well as connector sleeves, sieve cleaners and tensioning equipment.

Food compatibility

The fabrics of the SEFAR NYTAL® PA and PET range are made from yarns that contain only substances recognized as safe for use with foodstuffs.

Relevant guidelines and regulations:

- FDA Code of Federal Regulations (USA), Food and Drugs, Art. 21, Section 177.1500 for PA, 177.1630 for PET (indirect foodstuff additional material: polymers)
- Regulation (EU) No 1935/2004 of the Commission dated 27 Oct. 2004 on materials and articles made of plastic and are intended to come into contact with foodstuffs.
- Regulation (EU) No 10/2011 of the Commission dated 14 Jan. 2011 on materials and articles made of plastic that are intended to come into contact with foodstuffs.



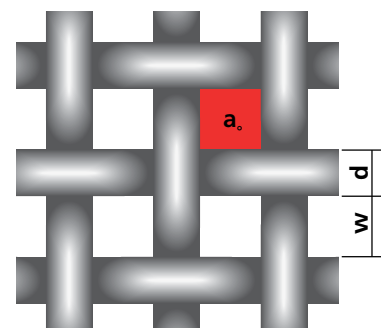
The metal fabrics of the SEFAR® Metal Mesh range comply with the following recommendations:

- FDA Code of Federal Regulations (USA), Food and Drugs, Article 21, Section 110.40, food for human consumption, paragraph 110, subparagraph C: Machinery.
- EU Recommendation of 13.2.2002 'Guidelines for metals and alloys, which are intended to come into contact with food'.

Our subsidiaries and selected representatives around the world are pleased to advise all customers individually.

Definitions for technical list

- a_s** Open area [%]
- d** Yarn diameter [µm]
- w** Mesh opening [µm]



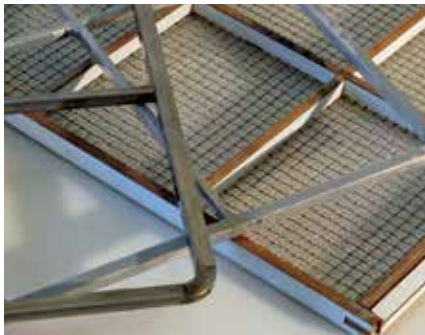
Plansifter

SEFAR NYTAL® PA

Plansifters for classifying the milled product are among the most important machines in the milling industry.

SEFAR NYTAL® PA fabrics offer the following advantages

- High throughput
- High yield
- Long service life
- High reliability
- Wide product range



Plansifter frames



Sefar fabric number					
	Mesh opening [µm]				
	Wire diameter [µm] (nominal)				
	Thread count [n/cm]				
	Thread count [n/inch]				
	Open area [%]				

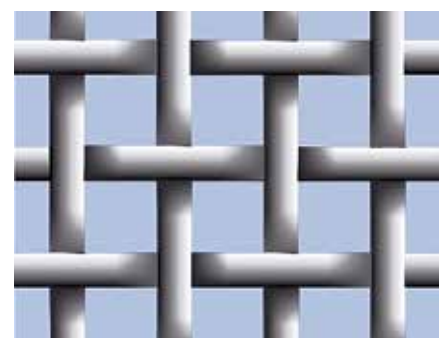
Sefar fabric number					
	Mesh opening [µm]				
	Wire diameter [µm] (nominal)				
	Thread count [n/cm]				
	Thread count [n/inch]				
	Open area [%]				

SEFAR NYTAL® PA-GG

PA-12GG	- 1800	500	4.4	11.2	61
PA-14GG	- 1600	450	5	12.7	60
PA-15GG	- 1400	450	5.4	13.7	59
PA-16GG	- 1320	400	5.8	14.7	59
PA-17GG	- 1250	400	6.1	15.5	58
PA-18GG	- 1180	350	6.5	16.5	59
PA-19GG	- 1120	350	6.7	17.0	58
PA-20GG	- 1000	320	7.5	19.1	57
PA-22GG	- 950	300	8	20.3	57
PA-23GG	- 900	300	8.3	21.1	56
PA-24GG	- 850	300	8.7	22.1	53
PA-26GG	- 800	280	9.4	23.9	53
PA-27GG	- 750	280	9.7	24.6	52
PA-28GG	- 710	260	10.5	26.7	53
PA-30GG	- 670	260	10.8	27.4	53
PA-31GG	- 630	240	11.5	29.2	53
PA-32GG	- 600	240	11.9	30.2	51
PA-34GG	- 560	240	12.3	31.2	49
PA-36GG	- 530	220	13.3	33.8	50
PA-38GG	- 500	220	13.7	34.8	47
PA-40GG	- 475	205	15	38.1	48
PA-42GG	- 450	200	15.4	39.1	48
PA-44GG	- 425	200	16	40.6	46
PA-45GG	- 400	180	16.8	42.7	47
PA-47GG	- 375	180	17.5	44.5	47
PA-50GG	- 355	160	19.4	49.3	48
PA-52GG	- 335	160	20.2	51.3	46

SEFAR NYTAL® PA-GG

PA-54GG	- 315	160	21	53.3	44
PA-58GG	- 300	140	21.7	55.1	45
PA-60GG	- 280	140	23.8	60.5	45
PA-62GG	- 275	140	24.1	24.1	44
PA-64GG	- 265	140	25	63.5	43
PA-66GG	- 250	120	26.5	67.3	46
PA-68GG	- 243	120	28	71.1	44
PA-70GG	- 236	120	28	71.1	44
PA-72GG	- 224	120	29	73.7	42
PA-74GG	- 212	120	30	76.2	40



Fabric construction
SEFAR NYTAL® PA-GG

Plansifter

SEFAR NYTAL® PA

Sefar fabric number				
	Mesh opening [µm]	Wire diameter [µm] (nominal)	Thread count [n/cm]	Thread count [n/inch]
				Open area [%]

SEFAR NYTAL® PA-XXX

PA-3 XXX - 300	140	21.7	55.1	45
PA-4 XXX - 280	140	23.8	60.5	45
PA-5 XXX - 250	120	26.5	67.3	46
PA-6 XXX - 212	120	30	76.2	40
PA-7 XXX - 200	120	30	76.2	39
PA-8 XXX - 180	100	36	91.4	39
PA-8 ^{1/2} XXX - 160	100	37.5	95.3	37
PA-9 XXX - 150	90	41	104.1	38
PA-9 ^{1/2} XXX - 140	90	44	111.8	37
PA-10 XXX - 132	80	45	114.3	40
PA-10 ^{1/2} XXX - 125	80	48.8	124.0	37
PA-11 XXX - 118	80	49	124.5	34
PA-12 XXX - 112	70	55	140.0	38
PA-13 XXX - 100	70	57	144.8	32
PA-14 XXX - 95	70	60.6	153.9	33
PA-14 ^{1/2} XXX - 90	60	67	170.2	36
PA-17 XXX - 80	60	68	172.7	35

SEFAR NYTAL® PA-MF

PA-3MF - 300	120	23.5	59.5	51
PA-4MF - 280	120	25	63.5	51
PA-5MF - 250	100	28.5	72.5	51
PA-7MF - 200	100	32.5	82.5	44
PA-8MF - 180	90	36.5	92.5	43
PA-8 ^{1/2} MF - 160	90	40	101.5	42
PA-9MF - 150	80	43	109	42
PA-9 ^{1/2} MF - 140	80	45	114.5	41
PA-10MF - 132	70	49	124.5	43
PA-10 ^{1/2} MF - 125	70	51	129.5	41
PA-11MF - 118	70	53	134.5	41
PA-12MF - 112	60	57.5	146	42
PA-13MF - 100	60	60	152.5	39

Sefar fabric number						
	Mesh opening [µm]	Wire diameter	Warp [µm] (nominal)	Wire diameter	Weft [µm] (nominal)	

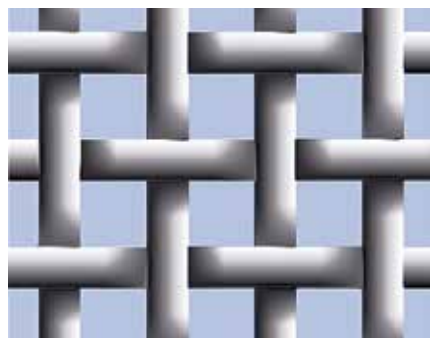
SEFAR NYTAL® PA-Milling

PA-3 - 300	100+2-60	100	24	25	61	64	54
PA-4 - 280	100+2-60	100	25.5	26.5	65	67	53
PA-5 - 250	100+2-60	90	27.5	29	70	74	51
PA-6 - 212	90+2-60	80	32	30	81	76	49
PA-7 - 200	80+2-60	80	33.5	35.7	85	91	48
PA-8 - 180	80+2-60	70	35.7	40	91	102	46
PA-8 ^{1/2} - 160	70+2-60	70	40	43.5	102	111	44
PA-9 - 150	70+2-60	60	42.5	47.6	108	121	44
PA-9 ^{1/2} - 140	60+2-60	60	43	50	109	127	43
PA-10 - 132	60+2-50	60	47	52	119	132	44
PA-10 ^{1/2} - 125	60+2-50	60	48.5	54	123	137	40
PA-11 - 118	60+2-50	50	50.5	59.5	128	151	42
PA-12 - 112	60+2-50	50	51.5	61.5	131	156	40
PA-12 ^{1/2} - 106	60+2-43	50	56	64	142	163	40
PA-13 - 100	60+2-50	50	57	66.7	145	169	38
PA-14 - 95	50+2-43	50	61	69	155	175	38
PA-14 ^{1/2} - 90	50+2-43	50	62.5	71.5	159	182	37
PA-15 - 85	50+2-43	50	65	74	165	188	34
PA-17 - 80	50+2-43	43	68	81	173	206	35
PA-20 - 75	50+2-43	43	70	84.7	178	215	34
PA-21 - 71	50+2-39	43	74	87.7	188	223	33
PA-25 - 63	43+2-43	43	78	94	198	239	30

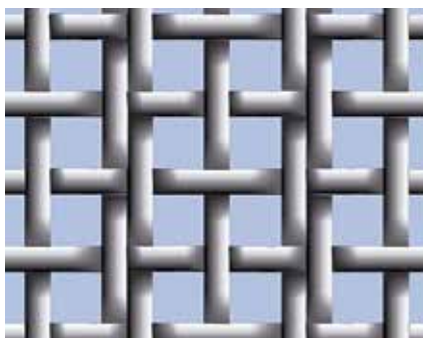
SEFAR NYTAL® PA-Schlinger

PA-7S - 200	80+2-70S	70	32	37	81	94	50
PA-8S - 180	80+2-60S	70	36	40	91	102	46
PA-9S - 150	70+2-60S	60	41	47	104	119	44
PA-9 ^{1/2} S - 140	60+2-60S	60	44	50	112	127	43
PA-10 ^{1/2} S - 125	60+2-50S	60	49	53	124	135	41
PA-12S - 112	60+2-50S	50	52	62	132	157	40
PA-13S - 100	60+2-50S	60	56	66	142	168	38

SEFAR® NYTAL PA-Schlinger (Leno weave) fabric are not stock items.



Fabric construction
SEFAR NYTAL® PA-XXX
SEFAR NYTAL® PA-MF



Fabric construction
SEFAR NYTAL® PA-Milling

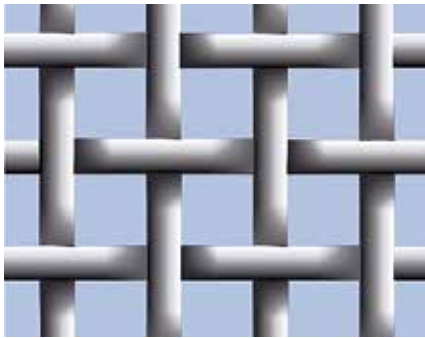


Fabric construction
SEFAR NYTAL® PA-Schlinger (Leno weave)

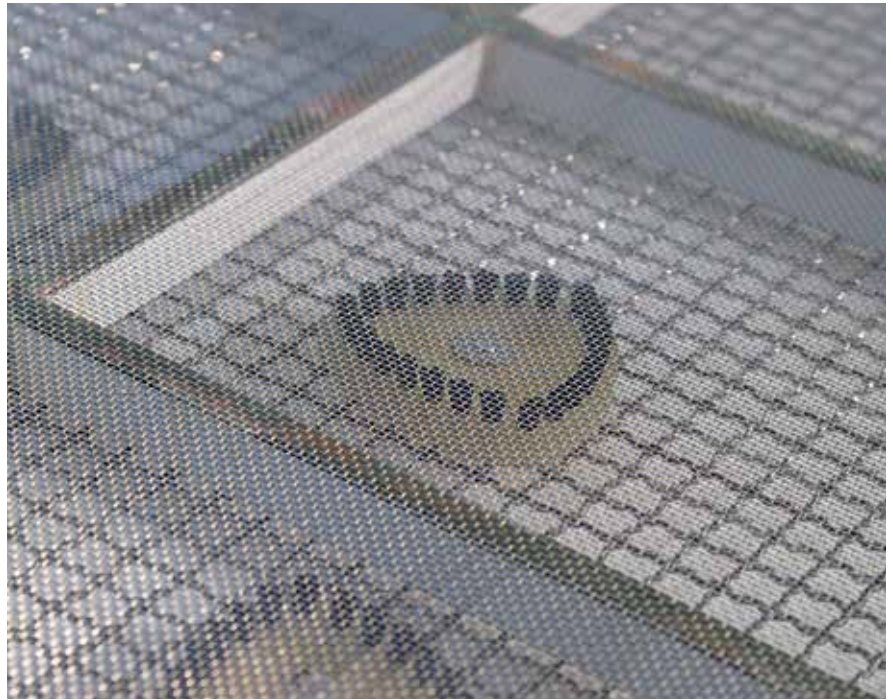
Plansifter

SEFAR **NYTAL**® Metal Mesh

Metal mesh is used in the primary screens of plansifters or for abrasive products such as corn.



Fabric construction – SEFAR NYTAL® Metal Mesh



Sefar fabric number						
						
	Mesh opening [µm]	Wire diameter [µm] (nominal)	Thread count [n/cm]	Thread count [n/inch]	Open area [%]	Old Fabric number

Sefar fabric number						
						
	Mesh opening [µm]	Wire diameter [µm] (nominal)	Thread count [n/cm]	Thread count [n/inch]	Open area [%]	Old Fabric number

SEFAR **NYTAL**® Metal Mesh (AISI 304)

26-2000/74	2000	320	4.3	10.9	74	11
26-1800/72	1800	320	4.7	12	72	12
26-1600/77	1600	220	5.5	14	77	14
26-1400/74	1400	220	6.2	15.7	74.5	16
26-1250/72	1250	220	6.8	17.3	72	17
26-1180/71	1180	220	7.1	18.1	71	18
26-1120/69	1120	220	7.5	19	69.4	19
26-1060/68	1060	220	7.8	19.8	68.6	20
26-1000/67	1000	220	8.3	21	67	21
26-950/68	950	200	8.7	22	68.2	22
26-900/67	900	200	9.1	23	67	23
26-850/65	850	200	9.4	24	65.5	24
26-800/64	800	200	9.8	25	64	26
26-750/65	750	180	10.6	27	65	28
26-710/64	710	180	11.4	29	64	30
26-670/65	670	160	12.2	31	65.2	31
26-630/64	630	160	12.6	32	64	32
26-600/62	600	160	13	33	62.3	34
26-560/60	560	160	13.8	35	60	36
26-530/59	530	160	14.6	37	59	38
26-500/57	500	160	15	38	57.6	40
26-475/56	475	160	15.7	40	56	42
26-450/57	450	140	16.9	43	57.6	44
26-425/56	425	140	17.7	45	56.6	46
26-400/54	400	140	18.5	47	54	48
26-375/53	375	140	19.3	49	53	50
26-355/51	355	140	20.1	51	51	53

SEFAR **NYTAL**® Metal Mesh (AISI 304)

26-335/49	335	140	20.9	53	49.7	55
26-315/54	315	112	23.2	59	54	60
26-300/53	300	112	24.4	62	53	62
26-280/51	280	112	25.6	65	51	65
26-265/53	265	100	27.6	70	52.8	70
26-250/53	250	100	28.7	73	53	75
26-245/62	245	65	32.3	82	62	x
26-236/51	236	100	29.9	76	51	76
26-224/49	224	100	30.7	78	49	80
26-212/49	212	90	33.1	84	49	84
26-180/45	180	90	37	94	45	94
26-160/46	160	75	41	105	46	108
26-140/46	140	67	47.2	120	46	120
26-132/49	132	65	53.1	135	49	135
26-125/48	125	56	55.1	140	48	140
26-106/36	106	50	64.2	163	36	163

Purifiers

SEFAR NYTAL® PET

Purifiers are mainly used for flours having low ash content and for the production of clean semolina. Sefar recommends using SEFAR NYTAL® PET-GG (polyester) fabric.

Benefits of SEFAR NYTAL® PET-GG

- No moisture absorption
- High tension
- Long service life
- Good dimensional stability
- Available as rolled goods
- Available as ready-made covers for purifiers



Sefar fabric number					
	Mesh opening [µm]	Wire diameter [µm] (nominal)	Thread count [n/cm]	Thread count [n/inch]	Open area [%]

SEFAR NYTAL® PET-GG					
PET-12GG - 1800	500	4.3	10.9	61	
PET-14GG - 1600	450	4.9	12.4	61	
PET-15GG - 1400	450	5.4	13.7	57	
PET-16GG - 1320	400	5.8	14.7	59	
PET-18GG - 1180	350	6.5	16.5	60	
PET-20GG - 1000	320	7.6	19.3	58	
PET-22GG - 950	300	8	20.3	58	
PET-23GG - 900	300	8.3	21.1	56	
PET-24GG - 850	300	8.7	22.1	55	
PET-26GG - 800	280	9	22.9	55	
PET-27GG - 750	280	9.7	24.6	53	
PET-28GG - 710	260	10.3	26.2	54	
PET-30GG - 670	260	10.7	27.2	52	
PET-31GG - 630	240	11.5	29.2	53	
PET-32GG - 600	240	12	30.5	51	
PET-34GG - 560	240	12.5	31.8	49	
PET-36GG - 530	220	13.3	33.8	50	
PET-38GG - 500	220	14	35.6	48	
PET-40GG - 475	200	15	38.1	49	
PET-42GG - 450	200	15.4	39.1	48	
PET-44GG - 425	200	16	40.6	46	
PET-45GG - 400	180	17.2	43.7	48	
PET-47GG - 375	180	18	45.7	46	
PET-50GG - 355	160	19.4	49.3	47	
PET-52GG - 335	160	20.2	51.3	46	
PET-54GG - 315	160	21	53.3	44	
PET-56GG - 300	140	22.5	57.2	46	
PET-60GG - 280	140	24	61.0	44	

Sefar fabric number					
	Mesh opening [µm]	Wire diameter [µm] (nominal)	Thread count [n/cm]	Thread count [n/inch]	Open area [%]

SEFAR NYTAL® PET-GG					
PET-64GG - 265	120	26	66.0	47	
PET-66GG - 250	120	27	68.6	46	
PET-70GG - 236	120	28.5	72.4	43	
PET-72GG - 224	120	29	73.7	42	



Purifier fabric glued to the base frame

Purifiers

Bühler MQRF – SEFAR NYTAL® PET



Made-up covers for Bühler MQRF

Sefar Item No.	Fabric No.	Bühler part No.
3100-0023-022	PET-16GG-1320	UXF-93208 005
3100-0023-017	PET-18GG-1180	UXF-93208 006
3100-0023-024	PET-19GG-1120	UXF-93208 007
3100-0023-010	PET-20GG-1000	UXF-93208 008
3100-0023-009	PET-22GG-950	UXF-93208 009
3100-0023-023	PET-23GG-900	UXF-93208 010
3100-0023-007	PET-24GG-850	UXF-93208 011
3100-0023-006	PET-26GG-800	UXF-93208 012
3100-0023-018	PET-27GG-750	UXF-93208 013
3100-0023-004	PET-28GG-710	UXF-93208 014
3100-0023-001	PET-30GG-670	UXF-93208 015
3100-0023-020	PET-31GG-630	UXF-93208 016
3100-0023-002	PET-32GG-600	UXF-93208 017
3100-0023-003	PET-34GG-560	UXF-93208 018
3100-0023-005	PET-36GG-530	UXF-93208 019
3100-0023-008	PET-38GG-500	UXF-93208 020
3100-0023-013	PET-40GG-475	UXF-93208 021
3100-0023-012	PET-42GG-450	UXF-93208 022
3100-0023-015	PET-44GG-425	UXF-93208 023
3100-0023-011	PET-45GG-400	UXF-93208 024
3100-0023-014	PET-47GG-375	UXF-93208 026
3100-0023-016	PET-50GG-355	UXF-93208 028
3100-0023-019	PET-52GG-335	UXF-93208 029
3100-0023-021	PET-54GG-315	UXF-93208 030

Made-up covers for Bühler MQRF

Sefar Item No. on order assembled	Fabric No.	Bühler part No.
3023-0614-800	07-2000/51	UXF-93208 001
3023-0607-600	PET-12GG-1800	UXF-93208 002
3023-0503-300	PET-14GG-1600	UXF-93208 003
3023-1000-114	PET-15GG-1400	UXF-93208 004
3023-0608-600	PET-56GG-300	UXF-93208 044
3023-0608-700	PET-60GG-280	UXF-93208 033
3023-0506-800	PET-64GG-265	UXF-93208 035
3023-1000-115	PET-66GG-250	UXF-93208 036
3023-1000-116	PET-72GG-224	UXF-93208 038



Ready-made covers for quick clamping frame

Centrifugal sifters (turbo and vibro)

SEFAR **NYTAL**® PA-HD – SEFAR **NITEX**®



Vibro-sifter

Sefar fabric number					
	Mesh opening [µm]	Wire diameter [µm] (nominal)	Thread count [n/cm]	Thread count [n/inch]	Open area [%]
SEFAR NYTAL® PA-HD					
06 - 300/PA-3HD-300	300	215	19.5	50	34
06 - 250/PA-5HD-250	250	180	23	58	34
06 - 210/PA-6HD-210	210	155	27.5	70	33
03 - 177/PA-8HD-177	177	125	33	84	34
03 - 150/PA-9HD-150	150	95	41	104	38

SEFAR NITEX®					
06 - 3300/59	3300	1000	2.3	5.8	59
06 - 2400/55	2400	850	3.1	7.9	55
06 - 2000/53	2000	750	3.6	9.1	53
06 - 1700/50	1700	695	4.2	10.7	50
06 - 1400/49	1400	610	5	12.7	49
06 - 1000/44	1000	515	6.7	17.0	44
06 - 850/46	850	405	8	20.3	46
06 - 700/44	700	355	9.5	24.1	44
06 - 600/41	600	335	10.8	27.4	41
06 - 500/38	500	315	12.3	31.2	38
06 - 400/38	400	250	15	38	38
06 - 350/35	350	240	170	43.2	35
03 - 125/34	125	85	49	124	34
03 - 100/32	100	77	57	145	32
03 - 90/36	90	65	67	170	36
03 - 70/33	70	53	81	206	33
03 - 64/32	64	53	90	229	32
03 - 55/32	55	42	104	264	32
03 - 41/31	41	33	136	345	31
03 - 36/28	36	33	146	371	28

Centrifugal sifters are mainly used to separate sticky products (e.g. flour from filters or bran finishers).

Strong fabrics from the SEFAR NYTAL® PA-HD range complemented with SEFAR NITEX® mesh ensure:

- Good performance
 - Long service life
 - Wide range
 - Extra-strong fabric
 - Good dimensional stability
 - Fitted with AR- or HF-welded seam
- AR = Reinforced
HF = High-frequency welded



Centrifugal sifter covers



Turbo-sifter covers

Connector sleeves

SEFAR TETEX® MULTI

Connector sleeves from Sefar ensure a permanently secure and flexible coupling between the sifters and the inlet and outlet connections of plansifters, purifiers and cleaning machines.

Sefar's specially developed assembly solution ensures a precise fit on the spout. For this purpose Sefar has developed an elastic band, which is resistant to all known chemical substances presently used in mill fumigation.

Since the elastic band is thermally stable, the belt may also be used in the thermal treatment (heat) for pest control. Clamping rings or cable binders are no longer necessary.

On request, foodstuff-compliant connector sleeves can be made using SEFAR TETEX® MULTI 03-430-205W.



Inlet and outlet sleeves



Assembly of connector sleeves



Plansifter

Sefar Item No.	Fabric No.	Diameter mm	Length mm	Number of rings
3100-2024-100	03-550-210 W	300	310	2
3100-2024-101	03-550-210 W	240	280	2
3100-2024-102	03-550-210 W	210	310	2
3100-2024-103	03-550-210 W	150	290	2
3100-2024-104	03-550-210 W	120	290	2
3100-2024-106	03-550-210 W	120	260	2
3100-2024-105	03-550-210 W	120	150	1
3100-2024-107	03-550-210 W	80	100	0

Other dimensions can be manufactured to order.

For all manufactured articles design/presentation may vary slightly, as they may be produced in different Sefar sales regions.

This does not affect the functionality.

Dust filter bags

SEFAR TETEX® NF



Dust filter bags

Sefar produces dust filter bags and filter bags made of high-quality SEFAR TETEX® NF needle felt.

Available in the following versions

- NFI = oil- and water-repellent polyester needle felt
- NFIA = oil- and water-repellent polyester needle felt, antistatic
- PET-felt 350 g/m² for low pressure filters
- PET-felt 500 g/m² for high pressure and bag filters

Other dimensions can be manufactured to order.



Dust filter bag, opening



Filter housing

Sefar Item No.	Fabric No.	ø Inside diameter [mm]	L Inside length [mm]	Dress details	
3100-2026-001	07-351-600 NFI	120	810	open top rounded bottom	
3100-2026-002	07-351-600 NFI	120	1295		
3100-2026-003	07-351-600 NFI	120	1895		
3100-2026-004	07-351-600 NFI	120	2435		
3100-2026-005	07-351-600 NFI	120	3035		
3100-2026-076	07-351-600 NFIA	120	810		
3100-2026-077	07-351-600 NFIA	120	1295		
3100-2026-078	07-351-600 NFIA	120	1895		
3100-2026-079	07-351-600 NFIA	120	2435		
3100-2026-080	07-351-600 NFIA	120	3035		
Sefar Item No.	Fabric No.	ø Inside diameter [mm]	L Inside length [mm]	Dress details	
3100-2026-051	07-351-600 NFI	120	865	open top + Collar with 15 mm rounded bottom	
3100-2026-052	07-351-600 NFI	120	1260		
3100-2026-053	07-351-600 NFI	120	1860		
3100-2026-054	07-351-600 NFI	120	2400		
3100-2026-055	07-351-600 NFI	120	3000		
3100-2026-126	07-351-600 NFIA	120	865		
3100-2026-127	07-351-600 NFIA	120	1260		
3100-2026-128	07-351-600 NFIA	120	1860		
3100-2026-129	07-351-600 NFIA	120	2400		
3100-2026-130	07-351-600 NFIA	120	3000		

Other dimensions can be manufactured to order. For all manufactured articles design/presentation may vary slightly, as they may be produced in different Sefar sales regions. This does not affect the functionality.

Tension Meter

SEFAR® Tensocheck 100-R

The SEFAR® Tensocheck 100-R is an electronic meter for measuring the tension of screen frames.

This digital instrument has a wide variety of practical features:

Digital display

The numbers are on a large and easy-to-read display.

Measurement precision

Measurements over 30 N/cm are shown in steps of 0.5 N/cm.
Measurements below 30 N/cm are shown in increments of 0.2 N/cm.

Wide measurement range

3 to 50 N/cm

Zero adjustment

The meter comes with a zero setting plate.

Measurement units

Choosing between N/cm and mm can be done by simply pressing a button.

Automatic shut-off

After three minutes of inactivity, the system shuts off automatically.



SEFAR® Tensocheck 100-R

Specifications

SEFAR® Tensocheck 100-R

Base	ø 100 mm
Hight	115 mm
Weight	1,01 kg (including battery)
Battery	9 V (6LR61)
Display range	3-50 N/cm



Recommended tension values

Polyamide-Nylon Sifter cover mesh opening [µm]	Tension befor gluing [N/cm]	Min. tension after 1 day [N/cm]	Material	Tension before gluing
> 630	15 (+/-1)	8	Polyester PET	+ 2 - 3 N/cm
600 - 465	14 (+/-1)	7	Metal mesh	+ 3 - 6 N/cm
450 - 315	13 (+/-1)	7	The maximum tension is dependent on the quality of the fabric as well as on the stability of the screen frame	
300 - 212	12 (+/-1)	6		
200 - 112	11 (+/-1)	6		
< 100	10 (+/-1)	5		

Testing conditions:

18-21°C / 50-60% rel. humidity

Pneumatic stretching system

SEFAR® Pneumapp 2

SEFAR® Pneumapp 2 is a specially developed stretching system resulting from a combination of practical experience and clever engineering. The device has a higher stretching power for improved fabric stretching.

Module solution

Three different clamp sizes (jaw widths) and the control unit provide a reliable working system which is suitable for all frame sizes and fabrics. The pneumatic connectors are made for easy device reconfiguration.



Stretching unit for one frame



Frame spacer



Frame support



Screen frames: metal, aluminum and wood

Benefits of the SEFAR® Pneumapp 2

- Robust and compact design using high-quality materials
- Suitable for all frame types and sizes
- Stretches all types of fabric, whether coarse or fine, polyester, polyamide or metal mesh
- Guide bars simplify the adaptation to new frame sizes
- The fabric can be accurately positioned
- Easy access for application of adhesive
- Uniform tension in both directions
- Stretching safety: a progressive clamping force prevents the screen from slipping out of the jaws
- High and consistent quality of the sieves

Pneumatic stretching system

SEFAR® Pneumapp 2

Common examples of stretching equipment in milling.

The system is based on 3 clamp sizes (jaw width 630, 730 and 1000 mm).

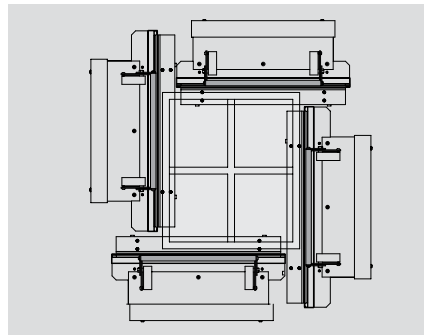
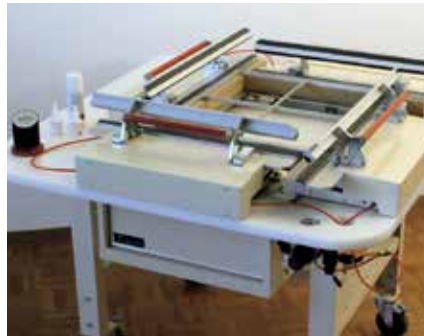
Control unit PN 200

The control unit PN200 has a tension capacity up to 28 Newton at about 10 bar air pressure: it allows for simple handling in a compact area and its modular system is upgradeable from one to two frame sizes. In addition, two control units can be combined in dual operation.

The indicated solutions are possible variants.

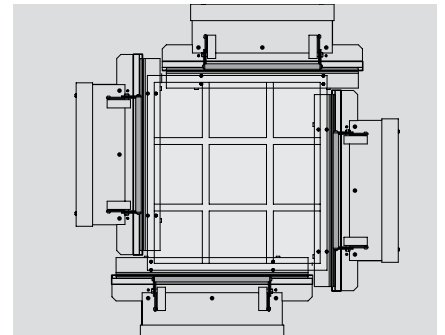
Please give us your frame dimensions (L x W x H), the material (wood, aluminum or metal) and the system (1- or 2-frame system).

We would be pleased to offer you the best solution.



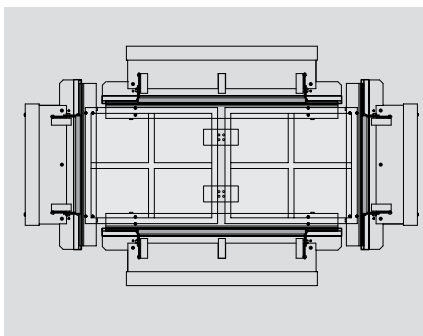
1 Frame size max. 650 x 650 mm

2 x PN-630 Stretching clamps
2 x PN-730 Stretching clamps
1 x PN-200 Control unit
1 x PN-210 Small table



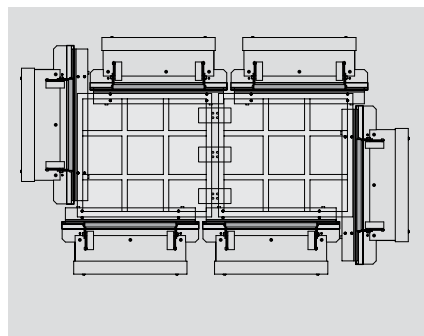
1 Frame size max. 740 x 740 mm

4 x PN-730 Stretching clamps
1 x PN-200 Control unit
1 x PN-210 Small table



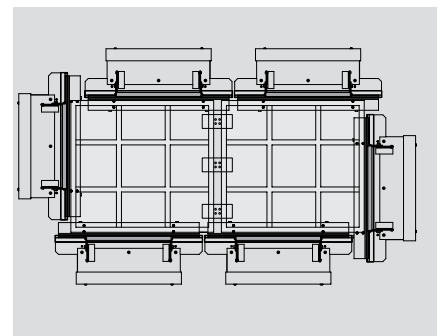
2 Frame size max. 500 x 730 mm

2 x PN-1000 Stretching clamps
2 x PN-730 Stretching clamps
1 x PN-200 Control unit*
1 x PN-220 Big table



2 Frame size 620 x 570 mm

4 x PN-630 Stretching clamps
2 x PN-730 Stretching clamps
1 x PN-200 Control unit*
1 x PN-220 Big table
Maximum frame size for 4 clamps:
710 x 655 mm



2 Frame size 710 x 655 mm

6 x PN-730 Stretching clamps
1 x PN-200 Control unit*
1 x PN-220 Big table

Maximum frame size for 4 clamps:
785 x 785 mm

*Expandable to 2 x PN-200 control units

Fabric adhesive

SEFAR **NYTAL**® Quicktal – Cyanoacrylate Adhesive

Sefar Quicktal is a single-component cyanoacrylate adhesive with a separate accelerator.

Application instructions:

Frame preparation

The surface that comes into contact with the adhesive and mesh should be processed as follows:

- Metal and aluminum frames should be roughened beforehand (for best result sandblasting should be used and then degreased with acetone)
- Wooden frames should be sanded (the wood must be dry and dust-free)
- Minor glue residue need not be removed if the frame surface is smooth

Fabric tension

- After tensioning the fabric should be weighted so that it lies flat on the frame

Caution

- Prior to gluing please consult the safety data sheet
- Use only in well-ventilated areas
- Avoid direct skin and eye contact

Adhesion mesh

- The mesh must cover and make contact with the entire mounting surface
- Apply the adhesive through the mesh onto the surface. A thin strip is enough, even with wide frames.
- Spray the accelerator over the applied adhesive at a distance of 20-30 cm from the surface. Short spray intervals are best.
- During spraying make sure that the mesh has uniform contact with the frame.



Quicktal adhesives are FDA compliant with the ‘Code of Federal Regulations (CFR Part 21)’

Glue drying time

- 15-20 minutes without Quicktal accelerator
- 1 minute with Quicktal accelerator



Product examples of items 5600, 5602, 5603, 5604 and 6502



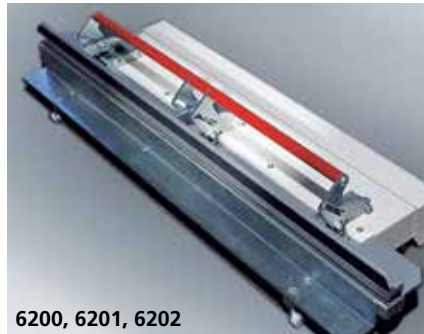
SEFAR NYTAL ® Quicktal Part Number	Designation
5600	Quicktal adhesive, low viscosity, 50 g, 100 g or 500 g bottle
5602	Quicktal-D-Bonder, 500 ml bottle
5603	Quicktal 77, high viscosity glue, 50 g bottle
5604	Quicktal Metal, 100 g or 500 g bottle
6502	Quicktal accelerator spray, 200 ml (not FDA-conform)

Please read the enclosed safety instructions.
 Each bottle is stamped with the production lot and the expiry date (month/year).
 Please use existing stock first.
 Store in cool, dry place, protected from sun and moisture; preferably in a refrigerator.

Accessories



3111



6200, 6201, 6202



6203



6204, 6205



6207



6208, 6210, 6211, 6213



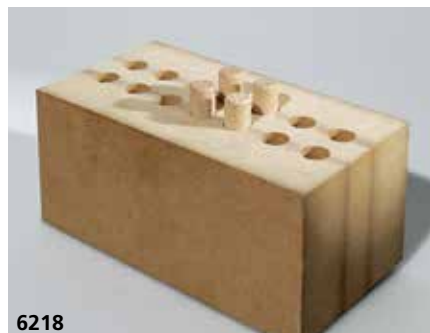
6209, 6212



6214, 6215, 6216

Part Number	Description
3111	SEFAR® Tensocheck 100-R
6200	Stretching clamp PN-630 small
6201	Stretching clamp PN-730 medium
6202	Stretching clamp PN-1000 large
6203	Control unit PN-200
6204	Guide bar PN-10 for PN-630 and PN-730, 630 x 10 x 10 mm
6205	Guide bar PN-11 for PN-1000, 880 x 10 x 10 mm
6207	SEFAR® Pneumapp 2 stretching table PN-220 big wood, (6/4 clamps) with wheels, table size 1230 x 2000 mm
6208	Frame support for metal frames PN-63M for PN-630 (620 x 30 x H47 mm)
6209	Frame support for metal frames PN-73M for PN-730 (720 x 30 x H47 mm)
6210	Frame support for metal frames PN-100M for PN-1000 (990 x 30 x H47/53 mm)
6211	Frame support for the metal frame overflow side PN-63MO for PN-630 (620 x 30 x H47/53 mm)
6212	Frame support for the metal frame overflow side PN-73MO for PN-730 (720 x 30 x H47/53 mm)
6213	Frame support for the metal frame overflow side PN-100MO for PN-1000 (990 x 30 x H47/53 mm)
6214	Frame support for wooden frames PN-63W for PN-630 (620 x 30 x H40 mm)
6215	Frame support for wooden frames PN-73W for PN-730 (720 x 30 x H40 mm)
6216	Frame support for wooden frames PN-100W for PN-1000 (990 x 30 x H40 mm)

Accessories



6218



6219, 6220, 6222



6223, 6224



8071



8082



8083



1020, 1023



1021, 1022



1024, 1034

Part Number	Description
6218	Frame spacer/support PN-50 for all frame types (190 x 103M x 94W mm)
6219	Stretching PN-15 for fabrics $\leq 140 \mu$
6220	Stretching PN-20 for fabrics $\leq 112 \mu$
6222	Stretching PN-14 for fabrics $\leq 200 \mu$
6223	SEFAR® Pneumapp 2 stretching table PN-210 with plastic board, table size 1230 x 1230 mm
6224	SEFAR® Pneumapp 2 stretching table PN-230 with plastic board, (4 x 1000 mm clamps), table size 1500 x 1500 mm
8071	Steel weight 1 Kg
8082	Frame support stainless steel PN-73S for PN-730 (720 x 45 x H45 mm)
8083	Frame spacer for purifiers made of PE HD
1020	Cotton pad cleaner, red line
1021	Plastic cleaner with metal button
1022	Plastic cleaner with plastic button
1023	Cotton pad cleaner, green line, type TR
1024	Pan cleaner with round hole (transparent)
1034	Pan cleaner with round hole, type F (white)

Accessories



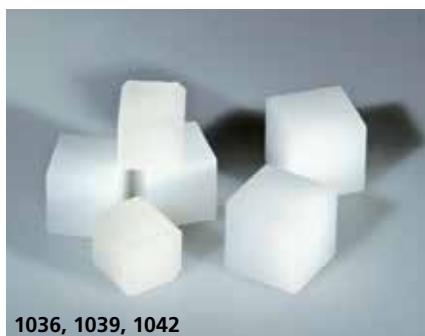
1031



1032



1033



1036, 1039, 1042



1037, 1040, 1043



1080



1081



1082



1083

Part Number	Description
1031	Sieve cleaner with nipples and metal button (standard)
1032	Sieve cleaner with white bristles and metal button (standard)
1033	Sieve cleaner with black bristles and metal button (standard)
1036	White cube cleaner, 14,3 mm
1037	White polyball, Polyurethan 30 mm
1039	White cube cleaner, 15,9 mm (5/8")
1040	Polyball, Polyurethan 15,9 mm (5/8")
1042	White cube cleaner, 12.7 mm
1043	Rubber ball ivory, Ø 39 mm
1080	Dual cleaner with lip and nipples
1081	Dual cleaner with white brush
1082	Dual cleaner with black brush
1083	NOVA sieve cleaner with knobs

Accessories



1084



3205



5035, 8079



5038, 5039



5600, 5602, 5603, 5604, 6502



6051



6052



6059, 6090



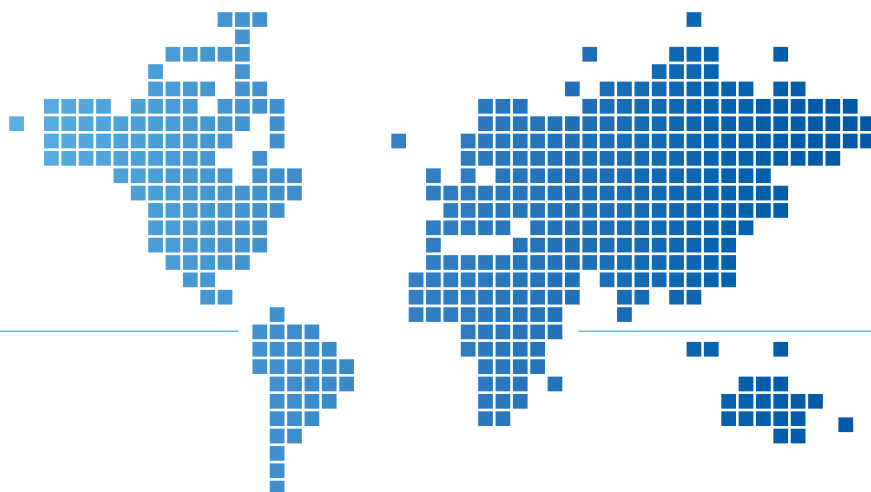
6060

Part Number	Description
1084	NOVA sieve cleaner with nylon brush
3205	Microscope 40x
5035	Flour-spatula without magnifier incl. case
5038	Test sieve set 200 mm diameter (Bottom, sieve-frame, cover, lever)
5039	Additional divided sieve frame for test sieve set
5600	Quicktal adhesive 50 g, 100 g or 500 g
5602	Quicktal D-Bonder, 500 ml
5603	Quicktal 77 adhesive viscous 50 g
5604	Quicktal Metal, 100 g oder 500 g
6051	Pneumatic stapler Duo Fast DWS-5020
6052	Staples for Duo Fast DWS-5020, box of 10,000 pcs.
6059	Scraping Knife with one spare blade, Sandvik
6060	Stretching pliers, 20 mm
6090	Replacement blade for scraper Sandvik
6502	Quicktal accelerator, spray 200 ml
8079	Flour-spatula with magnifier and case

Accessories



Part Number	Description
6061	Rubber mallet, No. 2
8076	Protective tape cotton, 11 mm wide, 50 m roll
8077	Protective tape cotton, 13 mm wide, 50 m roll
8078	Mesh counter opening, 10 x 10 mm
8090	Magnifying glass 8x with scale
3F00-0000-140	Plush 4 mm pile, 140 cm wide



Sefar worldwide

Sefar is the leading manufacturer of precision fabrics from monofilaments for the screen printing and filtration market. Sefar products are used in a wide variety of industries, reaching from electronics, graphics, medical, automotive, food and pharmaceutical applications to aerospace, mining & refining and architecture. With its profound understanding of the applications Sefar helps its customers to achieve optimum results in their industrial processes. Subsidiaries and fabrications centers in 25 countries on 5 continents provide local technical service for the broad range of solutions offered by Sefar.

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