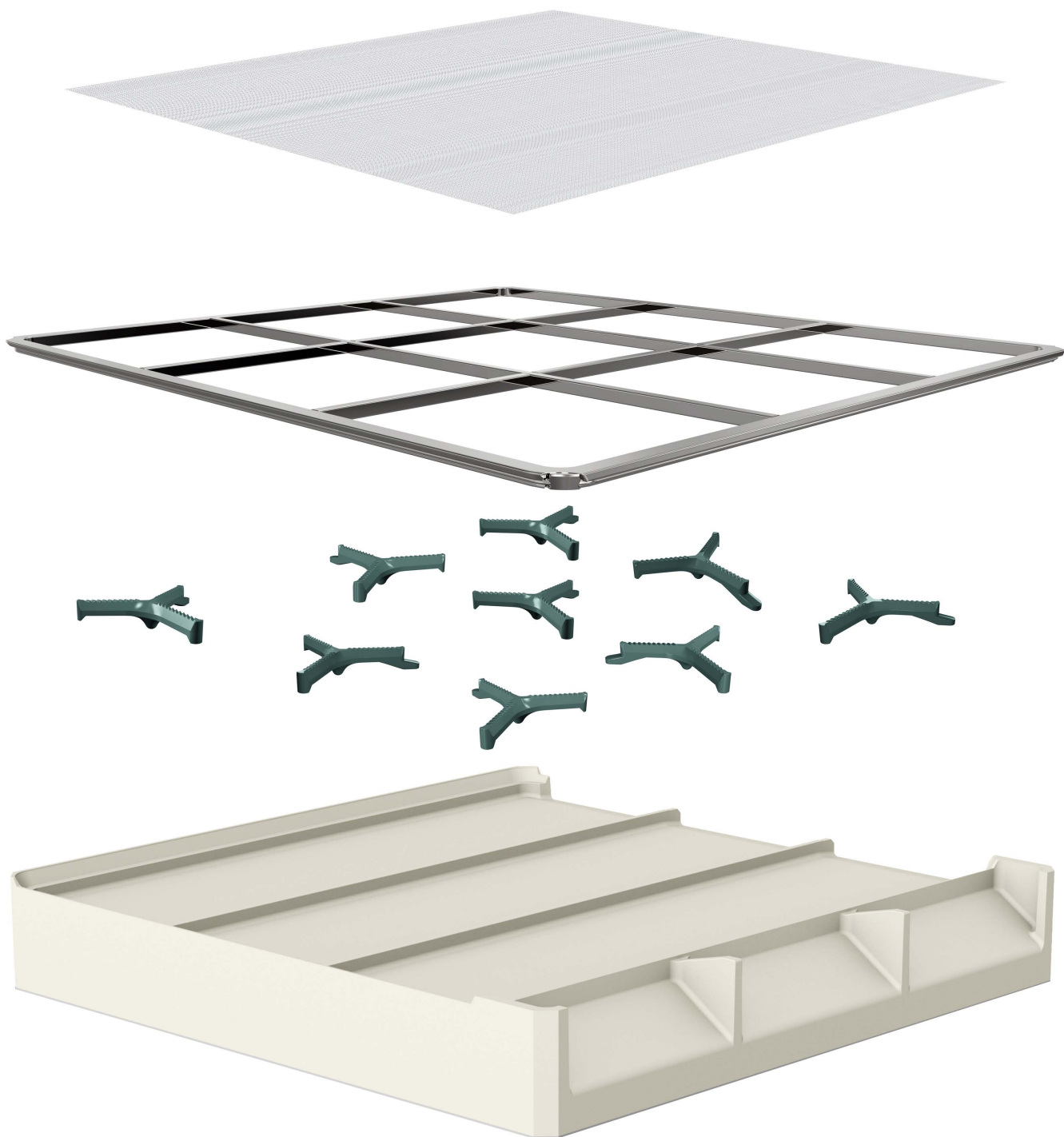


Product catalog
**All around
the plansifter**

Content

Sieve fabric	4
Insert frames	24
Sieve cleaners	26
Sieve frames	32
Connector sleeves	34
Sieve tensioning service	36
Sieve tensioning equipment	38
Service stations	39



Polyamide (PA) sieve fabric

Food compatibility Bühler NovaPrime

Bühler NovaPrime sieve fabrics are made of polyamide (PA) plastic yarn that contains only substances recognized as safe for use with foodstuffs.

Compliance of material supplied

Compliance of composition: the monofilament yarn used to manufacture the materials supplied is composed of substances which are according to the FDA Code of Federal Regulations (USA), Food and Drugs, Article 21, Part 177 (indirect food additions: Polymers), Paragraph 177.1500

Compliance of performance: compliance with Regulations 1935/2004/CE and EU 10/2011

NOVAPRIME
PA-10MF-132

NovaPrime

High quality sieve fabric

With NovaPrime, Bühler now provides its own sieve fabric, which is adapted to the Bühler specifications and performances of the various plansifter types. Made of polyamide (PA) plastic yarn, it provides the highest accuracy in terms of size and uniformity of meshes.

Bühler NovaPrime is available on rolls of 30 m and as ready for use cuts.



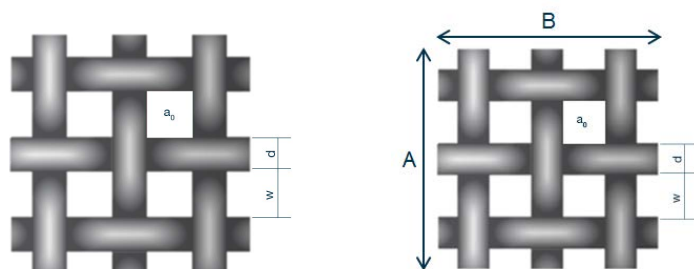
Recommended tension values

Polyamide-Nylon Sifter cover mesh opening [μm]	Tension before gluing [N/cm]	Min. tension after 3 hours [N/cm]
>630	15(+/-1)	8
600-465	14(+/-1)	7
450-315	13(+/-1)	7
300-212	12(+/-1)	6
200-112	11(+/-1)	6
<100	10(+/-1)	5

Testing conditions:
18-21°C/50-60% rel. humidity

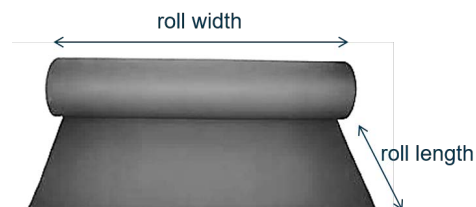
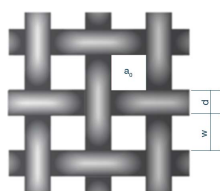
Definitions for technical list

a_o	Open area [%]
d	Yarn/wire diameter [μm]
w	Mesh opening [μm]
A	Length of cut-to-size
B	Width of cut-to-size



Rolled fabric

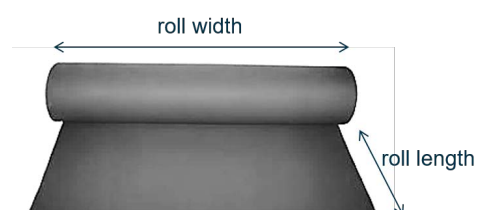
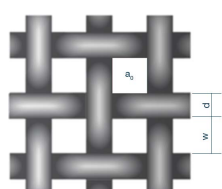
NovaPrime NP-GG



Ident number	Roll width [mm]	Fabric number	Open area%	Yarn-d [μm]	Mesh opening [μm]
UNR-58220-091	1,150	NP-12GG-1800	61	500	1,800
UNR-58220-093	1,580	NP-12GG-1800	61	500	1,800
UNR-58220-094	1,150	NP-14GG-1600	60	450	1,600
UNR-58220-096	1,580	NP-14GG-1600	60	450	1,600
UNR-58220-097	1,150	NP-15GG-1400	59	450	1,400
UNR-58220-099	1,580	NP-15GG-1400	59	450	1,400
UNR-58220-100	1,150	NP-16GG-1320	59	400	1,320
UNR-58220-102	1,580	NP-16GG-1320	59	400	1,320
UNR-58220-103	1,150	NP-17GG-1250	58	400	1,250
UNR-58220-105	1,580	NP-17GG-1250	58	400	1,250
UNR-58220-106	1,150	NP-18GG-1180	59	350	1,180
UNR-58220-108	1,580	NP-18GG-1180	59	350	1,180
UNR-58220-109	1,150	NP-19GG-1120	58	350	1,120
UNR-58220-111	1,580	NP-19GG-1120	58	350	1,120
UNR-58220-112	1,150	NP-20GG-1000	57	320	1,000
UNR-58220-114	1,580	NP-20GG-1000	57	320	1,000
UNR-58220-115	1,150	NP-22GG-950	57	300	950
UNR-58220-117	1,580	NP-22GG-950	57	300	950
UNR-58220-118	1,150	NP-23GG-900	56	300	900
UNR-58220-120	1,580	NP-23GG-900	56	300	900
UNR-58220-121	1,150	NP-24GG-850	53	300	850
UNR-58220-123	1,580	NP-24GG-850	53	300	850
UNR-58220-124	1,150	NP-26GG-800	53	280	800
UNR-58220-126	1,580	NP-26GG-800	53	280	800
UNR-58220-127	1,150	NP-27GG-750	52	280	750
UNR-58220-129	1,580	NP-27GG-750	52	280	750
UNR-58220-130	1,150	NP-28GG-710	53	260	710
UNR-58220-132	1,580	NP-28GG-710	53	260	710
UNR-58220-133	1,150	NP-30GG-670	53	260	670
UNR-58220-135	1,580	NP-30GG-670	53	260	670
UNR-58220-136	1,150	NP-31GG-630	53	240	630
UNR-58220-138	1,580	NP-31GG-630	53	240	630
UNR-58220-139	1,150	NP-32GG-600	51	240	600
UNR-58220-141	1,580	NP-32GG-600	51	240	600
UNR-58220-142	1,150	NP-34GG-560	49	240	560
UNR-58220-144	1,580	NP-34GG-560	49	240	560

Rolled fabric

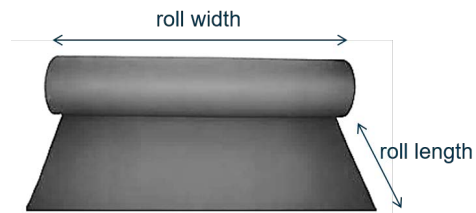
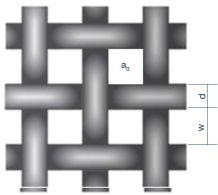
NovaPrime NP-GG



Ident number	Roll width [mm]	Fabric number	Open area%	Yarn-d [μm]	Mesh opening [μm]
UNR-58220-145	1,150	NP-36GG-530	50	220	530
UNR-58220-147	1,580	NP-36GG-530	50	220	530
UNR-58220-148	1,150	NP-38GG-500	47	220	500
UNR-58220-150	1,580	NP-38GG-500	47	220	500
UNR-58220-151	1,150	NP-40GG-475	48	200	475
UNR-58220-153	1,580	NP-40GG-475	48	200	475
UNR-58220-154	1,150	NP-42GG-450	48	200	450
UNR-58220-156	1,580	NP-42GG-450	48	200	450
UNR-58220-157	1,150	NP-44GG-425	46	200	425
UNR-58220-159	1,580	NP-44GG-425	46	200	425
UNR-58220-160	1,150	NP-45GG-400	47	180	400
UNR-58220-162	1,580	NP-45GG-400	47	180	400
UNR-58220-163	1,150	NP-47GG-375	47	180	375
UNR-58220-165	1,580	NP-47GG-375	47	180	375
UNR-58220-166	1,150	NP-50GG-355	48	160	355
UNR-58220-168	1,580	NP-50GG-355	48	160	355
UNR-58220-184	1,150	NP-52GG-335	46	160	335
UNR-58220-186	1,580	NP-52GG-335	46	160	335
UNR-58220-187	1,150	NP-54GG-315	44	160	315
UNR-58220-189	1,580	NP-54GG-315	44	160	315
UNR-58220-190	1,150	NP-62GG-275	44	140	275
UNR-58220-192	1,580	NP-62GG-275	44	140	275
UNR-58220-193	1,150	NP-64GG-265	43	140	265
UNR-58220-195	1,580	NP-64GG-265	43	140	265
UNR-58220-172	1,150	NP-68GG-243	44	120	243
UNR-58220-174	1,580	NP-68GG-243	44	120	243
UNR-58220-175	1,580	NP-70GG-236	44	120	236
UNR-58220-177	1,580	NP-70GG-236	44	120	236
UNR-58220-178	1,150	NP-72GG-224	42	120	224
UNR-58220-180	1,580	NP-72GG-224	42	120	224
UNR-58220-181	1,150	NP-74GG-212	40	120	212
UNR-58220-183	1,580	NP-74GG-212	40	120	212

Rolled fabric

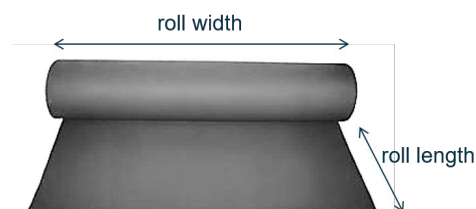
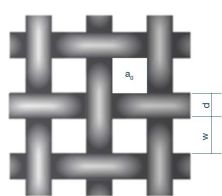
NovaPrime NP-MF



Ident number	Roll width [mm]	Fabric number	Open area%	Yarn-d [μm]	Mesh opening [μm]
UNR-58220-001	1,150	NP-3MF-300	51	120	300
UNR-58220-003	1,580	NP-3MF-300	51	120	300
UNR-58220-004	1,150	NP-4MF-280	51	120	280
UNR-58220-006	1,580	NP-4MF-280	51	120	280
UNR-58220-007	1,150	NP-5MF-250	51	100	250
UNR-58220-009	1,580	NP-5MF-250	51	100	250
UNR-58220-010	1,150	NP-7MF-200	44	100	200
UNR-58220-012	1,580	NP-7MF-200	44	100	200
UNR-58220-013	1,150	NP-8MF-180	43	90	180
UNR-58220-015	1,580	NP-8MF-180	43	90	180
UNR-58220-016	1,150	NP-8½MF-160	42	90	160
UNR-58220-018	1,580	NP-8½MF-160	42	90	160
UNR-58220-019	1,150	NP-9MF-150	42	80	150
UNR-58220-021	1,580	NP-9MF-150	42	80	150
UNR-58220-022	1,150	NP-9½MF-140	41	80	140
UNR-58220-024	1,580	NP-9½MF-140	41	80	140
UNR-58220-025	1,150	NP-10MF-132	43	70	132
UNR-58220-027	1,580	NP-10MF-132	43	70	132
UNR-58220-028	1,150	NP-10½MF-125	41	70	125
UNR-58220-030	1,580	NP-10½MF-125	41	70	125
UNR-58220-031	1,150	NP-11MF-118	41	70	118
UNR-58220-033	1,580	NP-11MF-118	41	70	118
UNR-58220-034	1,150	NP-12MF-112	42	60	112
UNR-58220-036	1,580	NP-12MF-112	42	60	112
UNR-58220-037	1,150	NP-13MF-100	39	60	100
UNR-58220-039	1,580	NP-13MF-100	39	60	100

Rolled fabric

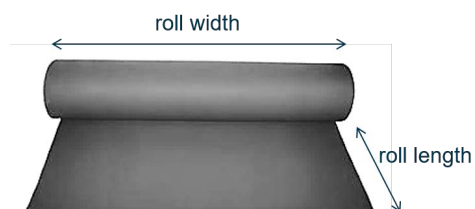
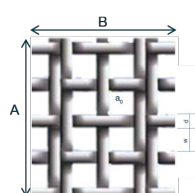
NovaPrime NP-XXX



Ident number	Roll width [mm]	Fabric number	Open area%	Yarn-d [μm]	Mesh opening [μm]
UNR-58220-040	1,150	NP-3XXX-300	45	140	300
UNR-58220-042	1,580	NP-3XXX-300	45	140	300
UNR-58220-043	1,150	NP-4XXX-280	45	140	280
UNR-58220-045	1,580	NP-4XXX-280	45	140	280
UNR-58220-046	1,150	NP-5XXX-250	46	120	250
UNR-58220-048	1,580	NP-5XXX-250	46	120	250
UNR-58220-049	1,150	NP-6XXX-212	40	120	212
UNR-58220-051	1,580	NP-6XXX-212	40	120	212
UNR-58220-052	1,150	NP-7XXX-200	39	120	200
UNR-58220-054	1,580	NP-7XXX-200	39	120	200
UNR-58220-055	1,150	NP-8XXX-180	39	100	180
UNR-58220-057	1,580	NP-8XXX-180	39	100	180
UNR-58220-058	1,150	NP-8½XXX-160	37	100	160
UNR-58220-060	1,580	NP-8½XXX-160	37	100	160
UNR-58220-061	1,150	NP-9XXX-150	38	90	150
UNR-58220-063	1,580	NP-9XXX-150	38	90	150
UNR-58220-064	1,150	NP-9½XXX-140	37	90	140
UNR-58220-066	1,580	NP-9½XXX-140	37	90	140
UNR-58220-067	1,150	NP-10XXX-132	40	80	132
UNR-58220-069	1,580	NP-10XXX-132	40	80	132
UNR-58220-070	1,150	NP-10½XXX-125	37	80	125
UNR-58220-072	1,580	NP-10½XXX-125	37	80	125
UNR-58220-073	1,150	NP-11XXX-118	34	80	118
UNR-58220-075	1,580	NP-11XXX-118	34	80	118
UNR-58220-076	1,150	NP-12XXX-112	38	70	112
UNR-58220-078	1,580	NP-12XXX-112	38	70	112
UNR-58220-079	1,150	NP-13XXX-100	32	70	100
UNR-58220-081	1,580	NP-13XXX-100	32	70	100
UNR-58220-082	1,150	NP-14XXX-95	33	70	95
UNR-58220-084	1,580	NP-14XXX-95	33	70	95
UNR-58220-085	1,150	NP-14½XXX-90	36	60	90
UNR-58220-087	1,580	NP-14½XXX-90	36	60	90
UNR-58220-088	1,150	NP-17XXX-80	35	60	80
UNR-58220-090	1,580	NP-17XXX-80	35	60	80

Rolled fabric

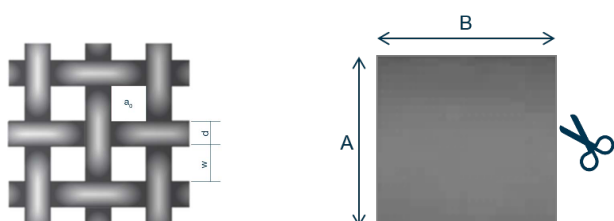
NovaPrime NP-Milling



Ident number	Roll width [mm]	Fabric number	Open area%	Yarn-d [μm]	Mesh opening [μm]
UNR-58210-217	1,150	NP-14-95	38	50+2-43	95
UNR-58210-261	1,580	NP-14-95	38	50+2-43	95
UNR-58210-218	1,150	NP-14½-90	37	50+2-43	90
UNR-58210-262	1,580	NP-14½-90	37	50+2-43	90
UNR-58210-219	1,150	NP-15-85	34	50+2-43	85
UNR-58210-263	1,580	NP-15-85	34	50+2-43	85
UNR-58210-220	1,150	NP-17-80	35	50+2-43	80
UNR-58210-264	1,580	NP-17-80	35	50+2-43	80
UNR-58210-221	1,150	NP-20-75	34	50+2-43	75
UNR-58210-265	1,580	NP-20-75	34	50+2-43	75
UNR-58210-222	1,150	NP-21-71	33	50+2-39	71
UNR-58210-266	1,580	NP-21-71	33	50+2-39	71
UNR-58210-223	1,150	NP-25-63	30	43+2-43	63
UNR-58210-267	1,580	NP-25-63	30	43+2-43	63

Cut-to-size fabric

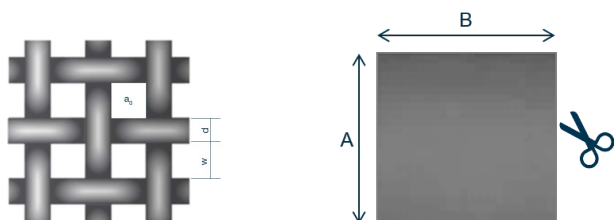
NovaPrime NP-GG



Ident number	A	B	Fabric number	Open area%	Yarn-d [μm]	Mesh opening [μm]
UXF-93228-031	805	760	NP-12GG-1800	61	500	1,800
UXF-93228-032	805	760	NP-14GG-1600	60	450	1,600
UXF-93228-033	805	760	NP-15GG-1400	59	450	1,400
UXF-93228-034	805	760	NP-16GG-1320	59	400	1,320
UXF-93228-035	805	760	NP-17GG-1250	58	400	1,250
UXF-93228-036	805	760	NP-18GG-1180	59	350	1,180
UXF-93228-037	805	760	NP-19GG-1120	58	350	1,120
UXF-93228-038	805	760	NP-20GG-1000	57	320	1,000
UXF-93228-039	805	760	NP-22GG-950	57	300	950
UXF-93228-040	805	760	NP-23GG-900	56	300	900
UXF-93228-041	805	760	NP-24GG-850	53	300	850
UXF-93228-042	805	760	NP-26GG-800	53	280	800
UXF-93228-043	805	760	NP-27GG-750	52	280	750
UXF-93228-044	805	760	NP-28GG-710	53	260	710
UXF-93228-045	805	760	NP-30GG-670	53	260	670
UXF-93228-046	805	760	NP-31GG-630	53	240	630
UXF-93228-047	805	760	NP-32GG-600	51	240	600
UXF-93228-048	805	760	NP-34GG-560	49	240	560
UXF-93228-049	805	760	NP-36GG-530	50	220	530
UXF-93228-050	805	760	NP-38GG-500	47	220	500
UXF-93228-051	805	760	NP-40GG-475	48	200	475
UXF-93228-052	805	760	NP-42GG-450	48	200	450
UXF-93228-053	805	760	NP-44GG-425	46	200	425
UXF-93228-054	805	760	NP-45GG-400	47	180	400
UXF-93228-055	805	760	NP-47GG-375	47	180	375
UXF-93228-056	805	760	NP-50GG-355	48	160	355
UXF-93228-061	805	760	NP-52GG-335	46	160	335
UXF-93228-062	805	760	NP-54GG-315	44	160	315
UXF-93228-063	805	760	NP-62GG-275	44	140	275
UXF-93228-064	805	760	NP-64GG-265	43	140	265
UXF-93228-058	805	760	NP-68GG-243	44	120	243
UXF-93228-059	805	760	NP-70GG-236	44	120	236
UXF-93228-060	805	760	NP-72GG-224	42	120	224
UXF-93228-065	805	760	NP-74GG-212	40	120	212

Cut-to-size fabric

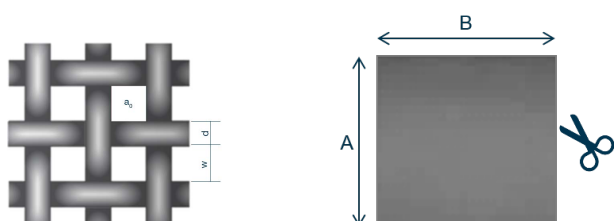
NovaPrime NP-MF



Ident number	A	B	Fabric number	Open area%	Yarn-d [μm]	Mesh opening [μm]
UXF-93228-001	805	760	NP-3MF-300	51	120	300
UXF-93228-002	805	760	NP-4MF-280	51	120	280
UXF-93228-003	805	760	NP-5MF-250	51	100	250
UXF-93228-004	805	760	NP-7MF-200	44	100	200
UXF-93228-005	805	760	NP-8MF-180	43	90	180
UXF-93228-006	805	760	NP-8½MF-160	42	90	160
UXF-93228-007	805	760	NP-9MF-150	42	80	150
UXF-93228-008	805	760	NP-9½MF-140	41	80	140
UXF-93228-009	805	760	NP-10MF-132	43	70	132
UXF-93228-010	805	760	NP-10½MF-125	41	70	125
UXF-93228-011	805	760	NP-11MF-118	41	70	118
UXF-93228-012	805	760	NP-12MF-112	42	60	112
UXF-93228-013	805	760	NP-13MF-100	39	60	100

Cut-to-size fabric

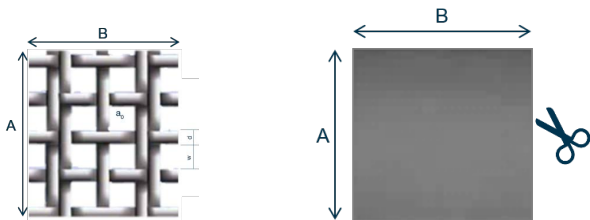
NovaPrime NP-XXX



Ident number	A	B	Fabric number	Open area%	Yarn-d [μm]	Mesh opening [μm]
UXF-93228-014	805	760	NP-3XXX-300	45	140	300
UXF-93228-015	805	760	NP-4XXX-280	45	140	280
UXF-93228-016	805	760	NP-5XXX-250	46	120	250
UXF-93228-017	805	760	NP-6XXX-212	40	120	212
UXF-93228-018	805	760	NP-7XXX-200	39	120	200
UXF-93228-019	805	760	NP-8XXX-180	39	100	180
UXF-93228-020	805	760	NP-8½XXX-160	37	100	160
UXF-93228-021	805	760	NP-9XXX-150	38	90	150
UXF-93228-022	805	760	NP-9½XXX-140	37	90	140
UXF-93228-023	805	760	NP-10XXX-132	40	80	132
UXF-93228-024	805	760	NP-10½XXX-125	37	80	125
UXF-93228-025	805	760	NP-11XXX-118	34	80	118
UXF-93228-026	805	760	NP-12XXX-112	38	70	112
UXF-93228-027	805	760	NP-13XXX-100	32	70	100
UXF-93228-028	805	760	NP-14XXX-95	33	70	95
UXF-93228-029	805	760	NP-14½XXX-90	36	60	90
UXF-93228-030	805	760	NP-17XXX-80	35	60	80

Cut-to-size fabric

NovaPrime NP-Milling



Ident number	A	B	Fabric number	Open area%	Yarn-d [μm]	Mesh opening [μm]
UXF-93228-083	805	760	NP-14-95	38	50+2-43	95
UXF-93228-084	805	760	NP-14½-90	37	50+2-43	90
UXF-93228-085	805	760	NP-15-85	34	50+2-43	85
UXF-93228-086	805	760	NP-17-80	35	50+2-43	80
UXF-93228-087	805	760	NP-20-75	34	50+2-43	75
UXF-93228-088	805	760	NP-21-71	33	50+2-39	71
UXF-93228-089	805	760	NP-25-63	30	43+2-43	63





Metal mesh

Food compatibility metal mesh

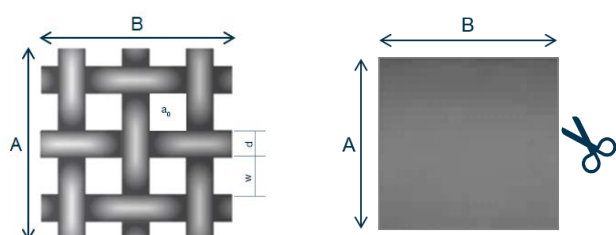
The metal mesh complies with the following recommendations:

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'.

Cut-to-size fabric

Stainless steel – magnetic for corn

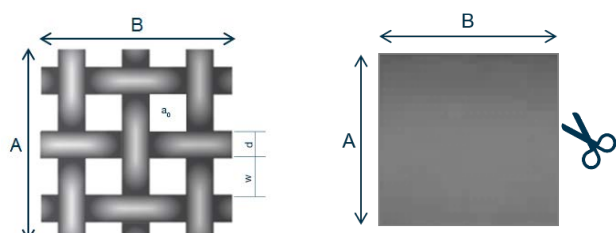


Ident number	A	B	Open area%	Wire-d [μm]	Mesh opening [μm]
MPAK-15530-001	805	760	69	560	2,800
MPAK-15529-001	805	760	58	600	1,940
MPAK-12233-010	805	760	58	500	1,600
MPAK-15527-001	805	760	59	425	1,400
MPAK-15526-001	805	760	51	450	1,120
MPAK-11973-010	805	760	57	315	1,000
MPAK-11977-010	805	760	58	250	800
MPAK-15525-001	805	760	55	250	710
MPAK-15524-001	805	760	51	250	630
MPAK-15523-001	805	760	37.5	355	560
MPAK-15522-001	805	760	51	200	500
MPAK-15521-001	805	760	48	180	400
MPAK-15520-001	805	760	48	160	355
MPAK-15519-001	805	760	38	200	315
MPAK-15518-001	805	760	50	125	300
MPAK-15517-001	805	760	36	165	250

Ident number	A	B	Open area%	Wire-d [μm]	Mesh opening [μm]
MPAK-11957-010	725	653	70	1,250	6,300
MPAK-11958-010	725	653	67	1,250	5,600
MPAK-15532-001	725	653	63	1,250	4,750
MPAK-11960-010	725	653	64	1,000	4,500
MPAK-11961-010	725	653	64	1,000	4,000
MPAK-15531-001	725	653	62	900	3,333

Cut-to-size fabric

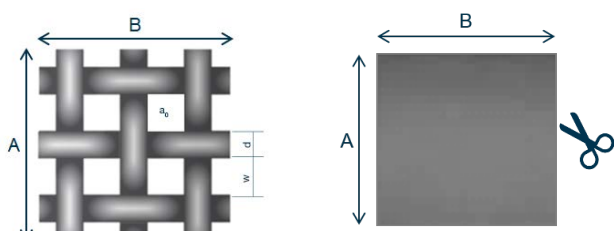
Stainless steel – not magnetic



Ident number	A	B	Open area%	Wire-d [μm]	Mesh opening [μm]
MPAK-16041-001	725	653	82	1,400	14,000
MPAK-16040-001	725	653	74	2,000	12,500
MPAK-16039-001	725	653	77	1,400	10,000
MPAK-12220-010	725	653	69	1,600	8,000
MPAK-12221-010	725	653	70	1,250	6,300
MPAK-12222-010	725	653	67	1,250	5,600
MPAK-12223-010	725	653	64	1,250	5,000
MPAK-12224-010	725	653	67	1,000	4,500
MPAK-12225-010	725	653	64	1,000	4,000
MPAK-12226-010	725	653	64	900	3,550
MPAK-12227-010	805	760	64	800	3,150
MPAK-12228-010	805	760	72	500	2,800
MPAK-12229-010	805	760	69	500	2,500
MPAK-12230-010	805	760	69	450	2,240
MPAK-12231-010	805	760	64	500	2,000
MPAK-12232-010	805	760	58	560	1,800
MPAK-12233-010	805	760	58	500	1,600
MPAK-12234-010	805	760	57	450	1,400
MPAK-12235-010	805	760	57	400	1,250
MPAK-12236-010	805	760	56	400	1,180
MPAK-12237-010	805	760	61	315	1,120
MPAK-12238-010	805	760	58	315	1,000

Cut-to-size fabric

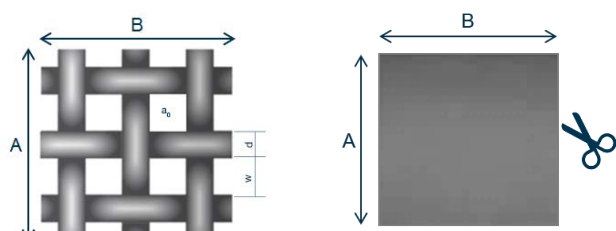
Stainless steel – not magnetic



Ident number	A	B	Open area%	Wire-d [μm]	Mesh opening [μm]
MPAK-12239-010	805	760	56	315	950
MPAK-12240-010	805	760	55	315	900
MPAK-12241-010	805	760	63	224	850
MPAK-12242-010	805	760	58	250	800
MPAK-12243-010	805	760	56	250	750
MPAK-12244-010	805	760	58	224	710
MPAK-12245-010	805	760	62	180	670
MPAK-12246-010	805	760	54	224	630
MPAK-12247-010	805	760	53	224	600
MPAK-12248-010	805	760	51	224	560
MPAK-12249-010	805	760	51	200	500
MPAK-12250-010	805	760	56	160	475
MPAK-12251-010	805	760	48	200	450
MPAK-12252-010	805	760	43	224	425
MPAK-12253-010	805	760	48	180	400
MPAK-12254-010	805	760	53	140	375
MPAK-12255-010	805	760	48	160	355
MPAK-12256-010	805	760	44	160	315
MPAK-12257-010	805	760	40	160	280
MPAK-12258-010	805	760	41	140	250
MPAK-12259-010	805	760	34	160	224
MPAK-12260-010	805	760	38	125	200

Cut-to-size fabric

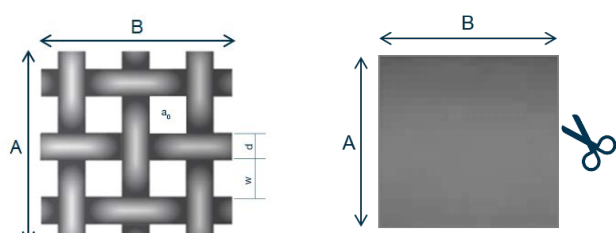
Stainless steel – magnetic



Ident number	A	B	Open area%	Wire-d [μm]	Mesh opening [μm]
MPAK-11963-010	805	760	64	800	3150
MPAK-11964-010	805	760	72	500	2800
MPAK-11965-010	805	760	69	500	2500
MPAK-11966-010	805	760	69	450	2240
MPAK-11968-010	805	760	61	500	1800
MPAK-11969-010	805	760	58	500	1600
MPAK-11970-010	805	760	60	400	1400
MPAK-11971-010	805	760	57	400	1250
MPAK-11973-010	805	760	58	315	1000
MPAK-11974-010	805	760	64	250	950
MPAK-11975-010	805	760	61	250	900
MPAK-11976-010	805	760	63	250	850
MPAK-11977-010	805	760	58	250	800
MPAK-11979-010	805	760	64	180	710
MPAK-11980-010	805	760	62	180	670
MPAK-11981-010	805	760	64	160	630
MPAK-12078-010	805	760	62	160	600
MPAK-11982-010	805	760	60	160	560
MPAK-11983-010	805	760	59	160	530
MPAK-11984-010	805	760	57	160	500
MPAK-11985-010	805	760	61	125	450
MPAK-11986-010	805	760	60	125	425
MPAK-11987-010	805	760	58	125	400
MPAK-11988-010	805	760	53	140	375
MPAK-11989-010	805	760	55	125	355
MPAK-11990-010	805	760	53	125	335
MPAK-11991-010	805	760	58	100	315
MPAK-12077-010	805	760	56	100	300

Cut-to-size fabric

Stainless steel – magnetic

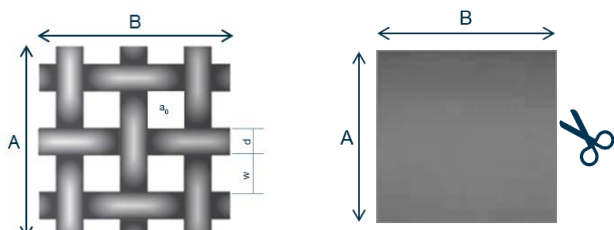


Ident number	A	B	Open area%	Wire-d [μm]	Mesh opening [μm]
MPAK-11992-010	805	760	51	112	280
MPAK-11993-010	805	760	53	95	250
MPAK-11994-010	805	760	49	95	224
MPAK-12049-010	805	760	49	90	212
MPAK-11995-010	805	760	48	90	200
MPAK-12208-010	805	760	46	90	190
MPAK-11996-010	805	760	44	90	180
MPAK-16029-001	805	760	38	100	160
MPAK-11625-001	805	760	48	63	140
MPAK-14016-010	805	760	39	63	125
MPAK-11643-001	805	760	37	71	112
MPAK-11657-001	805	760	44	50	100
MPAK-11661-001	805	760	48	40	90

Ident number	A	B	Open area%	Wire-d [μm]	Mesh opening [μm]
MPAK-11851-010	725	653	69	1,600	8,000
MPAK-14549-001	725	653	70	1,400	7,100
MPAK-11957-010	725	653	70	1,250	6,300
MPAK-11958-010	725	653	64	1,250	5,600
MPAK-11959-010	725	653	64	1,250	5,000
MPAK-14547-001	725	653	62.7	1,250	4,750
MPAK-11960-010	725	653	67	1,000	4,500
MPAK-11961-010	725	653	64	1,000	4,000
MPAK-11962-010	725	653	64	900	3,550

Cut-to-size fabric

Spring steel for abrasive products



Ident number	A	B	Open area%	Wire-d [μm]	Mesh opening [μm]
MPAK-15721-016	805	760	64	0.63	3.15
MPAK-15720-015	805	760	41	0.125	2.5
MPAK-11852-014	805	760	61	0.56	2
MPAK-11999-013	805	760	61	0.5	1.8
MPAK-12000-012	805	760	70	0.315	1.6
MPAK-12001-012	805	760	67	0.315	1.4
MPAK-12002-011	805	760	68	0.28	1.32
MPAK-12003-011	805	760	67	0.28	1.25
MPAK-12004-010	805	760	71	0.25	1.18
MPAK-12006-010	805	760	64	0.25	1
MPAK-17236-001	805	760	68	0.2	1
MPAK-17235-001	805	760	66	0.2	1
MPAK-17229-001	805	760	64	0.2	1
MPAK-17234-001	805	760	62	0.2	1
MPAK-17228-001	805	760	62	0.19	1
MPAK-17233-001	805	760	64	0.2	1
MPAK-17227-001	805	760	64	0.16	1
MPAK-17232-001	805	760	62	0.16	1
MPAK-17226-001	805	760	58	0.18	1
MPAK-17225-001	805	760	66	0.125	1
MPAK-17224-001	805	760	57	0.16	1
MPAK-17223-001	805	760	48	0.2	0
MPAK-17222-001	805	760	60	0	0
MPAK-17221-001	805	760	58	0	0
MPAK-17220-001	805	760	55	0	0
MPAK-17231-001	805	760	53	0	0
MPAK-17219-001	805	760	48	0	0
MPAK-17230-001	805	760	50	0	0
MPAK-17218-001	805	760	48	0	0
MPAK-17217-001	805	760	44	0	0
MPAK-17216-001	805	760	41	0	0





Insert frames

Plansifters from Bühler sift daily several tons of the most diverse products in top quality. The individual sieve stacks are key plant components and determine the quality of the end product to a great extent.

Bühler offers sieve frames and insert frames for original Bühler plansifters as well as for other machine brands.

Insert frames

Stainless steel or aluminum



Stainless steel insert frame for NovaPur

Ident number	Frame type	LxB (mm)
MPAK-15541-001	B	729×657
MPAK-15566-001	N	590×657
MPAK-15560-001	C	597.8×672.5
MPAK-15556-001	S	250.5×657
MPAK-15551-001	XB	639.5×573.5
MPAK-15572-001	XN	515.5×573.5

Aluminum insert frames for Nova and NovaTec

Ident number	Frame type	LxB (mm)
MPAJ-82045-850	B	620×573
MPAJ-82044-850	N	500×573
MPAH-82186-850	B	710×653
MPAH-82187-850	N	590×653

Dimensions of wooden insert frames on request.



Sieve cleaners

Sieve cleaners from Bühler stand for clean sieve fabrics, long service life, and best product quality.

Bühler offers a wide range of sieve cleaners for different applications, i.e., flour, corn, or sugar production.

NovaBlue/NovaWhite

Bristleless sieve cleaner for flour sieves of all mesh sizes

Bühler's new sieve cleaners, NovaBlue and NovaWhite, ensure clean sieve fabrics, long service life and the best finished product quality. Their new design enhances the cleaning process, maximizing the lifespan of both the sieve fabrics and the sieve cleaners.



Efficient cleaning for all mesh sizes

NovaBlue and NovaWhite sieve cleaners enable efficient cleaning of sieve fabrics for all mesh sizes. With the same performance, they can replace all sieve cleaners, whether with natural, artificial or no bristles. The cleaners are suitable for sieving hard and soft wheat flour, semolina, as well as durum and rye.

NovaBlue – for magnetic detection

The blue-colored material ensures optical detectability, while the ferrite additives inside NovaBlue enable metallic and magnetic detection*. This is one of Bühler's many responses to the increasing demands for food safety.

Designed for all Bühler sieve frames

Both cleaners are bristle- and nub-free, resulting in an increased contact surface on the sieve fabric and higher cleaning efficiency. They are compatible with all types of Bühler sieve frame systems: Nova, NovaPur, and NovaTec, and fit sieve frame sizes of 730x730 mm or 640x640 mm.

NovaWhite – the economical option

NovaWhite is the economical, non-magnetic version of the new cleaners. It can be used for the same applications as NovaBlue. Both NovaWhite and NovaBlue are made of high-quality elastomeric plastic that is resistant to temperature, fat, and enzymes.

Ident number	Description	Application
Sieve cleaner NovaBlue II	MPAK-17901-001	Wheat, Durum for all mesh sizes
Sieve cleaner NovaWhite	MPAK-17945-001	For Nova, NovaTec, and NovaPur sieve frames

*Magnet $\geq 10\,000$ Gauss (Bühler magnetic separator MMUN), metal detectors require at least a cube of 6x6x6mm

Sieve cleaners

For flour applications

	Ident number	Description	Application
	MPAA-40068-010	Combi cleaner with natural bristles	For Nova
	MPAH-41000-010	Combi cleaner with artificial bristles	Smaller than 250 microns for Nova
	MPBA-10848-001	Combi cleaner with artificial bristles without clearing flap	Wheat flour smaller than 250 microns for NovaTec
	MPAA-40066-010	Combi cleaner with nubs	For Nova
	MPBA-10849-001	Combi cleaner with nubs without cleaning flap	Wheat flour bigger than 250 microns for NovaTec

Sieve cleaners

For corn applications

	Ident number	Description	Application
	UXF-39004-010	Sieve cleaner blue with blue nubs with tongue	250 microns and bigger for Nova
	UXF-39004-011	Sieve cleaner blue with blue nylon bristles with tongue	Smaller than 250 microns for Nova
	MPAK-16103-001	Combi cleaner with nubs and shortened foot	250 microns and bigger

Sieve cleaners

For sugar applications

	Ident number	Description	Application
	MPAK-80696-810	Cleaner with artificial bristles	Smaller than 250 microns
	MPAK-14651-001	Cleaner with nubs	250 microns and bigger

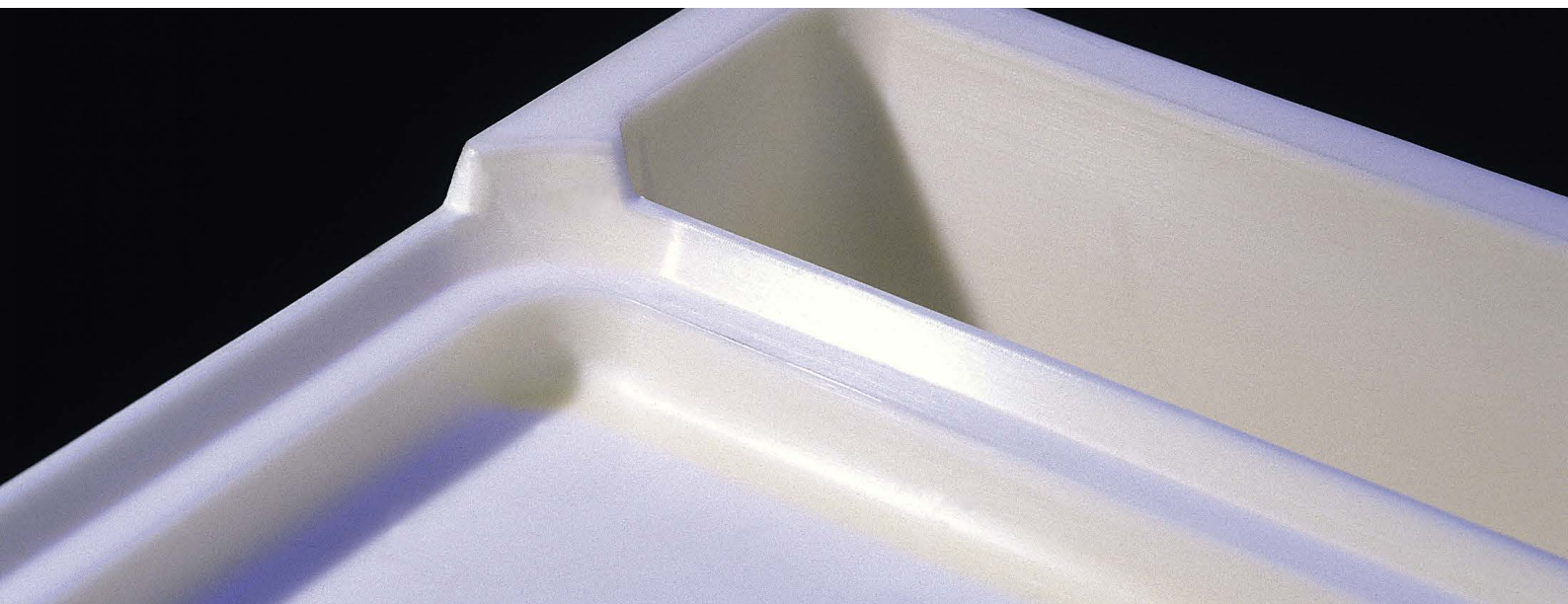
Sieve cleaners

Older models

	Ident number	Description	Application
	MPAA-85000-810	Cotton sieve cleaner cotton/metal	Smaller than 300 microns
	MPAD-05157-020	Sieve cleaner	300 microns and bigger
	MPAR-50196-010	Bottom cleaner	
	MPAG-50152-010	bottom cleaner	

NovaPur

Polyurethane sieve frame



The sieve frame NovaPur for plansifters is made of polyurethane (PUR). Broader channels offer high throughput. Smooth profiles minimize the areas where product can accumulate. Fully insulated compartments prevent condensation that can occur in harsh climatic environments. Together with the Nova insert frame made of stainless steel, it is the ultimate food safety solution.

B-frame, standard execution

- High flexibility in sifting flow diagram
- Up to 6 gradings

N-frame, standard execution

- High flexibility in sifting flow diagram
- 2 additional product channels
- Up to 8 gradings

C-frame for high capacity in control sifting

- Up to 40 t/h with sieve 560 µm
- Up to 32 t/h with sieve 355 µm
- Up to 20 t/h with sieve 250 µm
- Up to 2 gradings

S-frame (small), vertically divided

- Parallel flow diagram for 2 different products
- Up to max. 10 gradings

Order information can be found in the product flyer.

Nova

Wooden sieve frame (only from Europe)

The Nova wooden sieve frame and its previous models have been supplied in an even more robust design since 2015. The high-quality materials used in it also increase the quality and durability of the wooden sieve frame.

For the conversion of plansifters from other providers, Bühler now also offers Nova wooden sieve frames with their robust design and up to 15% bigger sieve surface compared to traditional wooden sieve frames. All product touching surfaces of the wooden sieve frames are laminated with extremely dimensional stable high-quality ply-wood (birch) in HPL (High-Pressure Laminate), which is harmless to foodstuffs.

The seals area is made of high-quality sealing felt. The frame base is made of HPL, and with its aluminum edges it makes a considerable contribution to the robust design.

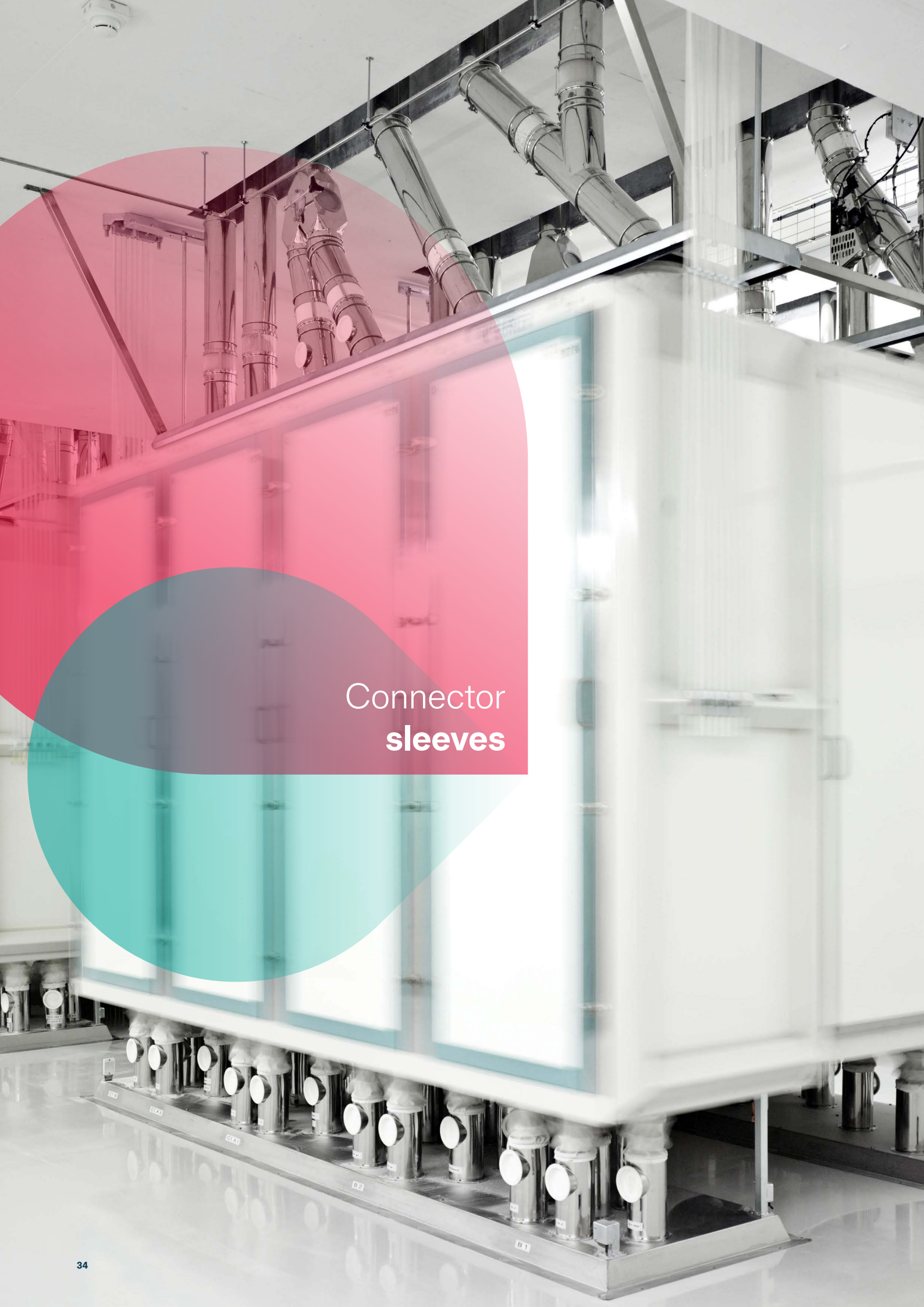
For wear-intensive applications the sieve frames are coated with stainless steel in the product touching area. Experienced specialists construct customer-specific sieve frames and also overhaul very old models, as long as it is economically viable.

Please note, if you change from the old sieve frame system to Nova you have to check if the rotational speed ($\geq 236 \text{ min}^{-1}$) and the stroke ($\geq 64 \text{ mm}$) have the necessary value.

For further information refer to the booklet.



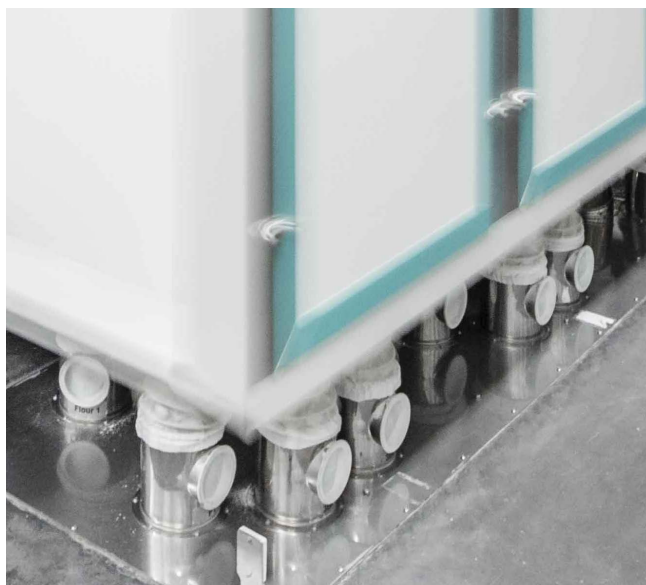
Order information can be found in the product flyer.



Connector sleeves

Connector sleeves

Secure and flexible coupling



Inlet sleeves

Ident number	Diameter [mm]	Length (mm)	Use for
MPAG-85104-810	210	310	MPAG/-H/-J/-K/-S/-U/-V/-W
MPAG-85105-810	240	310	MPAG/-S
MPAR-84046-810	240	280	MPAQ/-R
MPAH-84011-810	300	310	MPAH/-J/-K/-S/-U/-V/-W
MPAU-11801-001	300	120	MPAU

Outlet sleeves

Ident number	Diameter [mm]	Length (mm)	Use for
MPAG-85106-810	100	290	MPAG
MPAG-85107-810	125	290	MPAG/-J/-K/-U/-W
MPAG-83200-810	125/150	290	MPAG
MPAH-85005-810	150	290	MPAH/-K/-S/-V
MPAG-85105-810	240	310	MPAG/-S
MPAR-84045-810	150	260	MPAQ/-R
MPAU-10754-001	200	300	MPAU

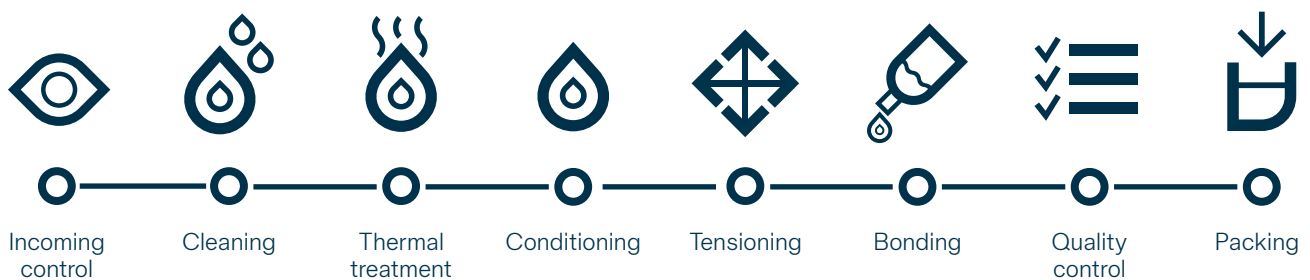
Sieve tensioning service

Quality and sanitation as a complete package

Bühler sieve tensioning service provides the best covering quality for insert frames. Our tensioning technicians take care of the entire process – from professional cleaning and thermal treatment of the insert frames to conditioning the sieve fabric to the careful tensioning.



Process steps





Highest sanitation

The insert frames are up to 99.99% germ-free after thermal treatment. To achieve the best results and service life, the sieve fabric is first conditioned in a climatic chamber before tensioning and then bonding to the insert frame.

Quality and control

Our sieve tensioning process is subject to strict quality controls and the quality of the covered insert frames is documented in the tensioReport given to customers. For tensioning, we use our new high quality Bühler NovaPrime sieve fabric.

tensioReport

Bühler Service Workshop Bühler AG Gupfenstrasse 5 9240 Uzwil	Customer: Schulmühle Gupfenstrasse 5 9240 Uzwil Switzerland
Order / Reference number:	1234
NOVAPRIME lot number:	9900078642
NOVAPRIME type:	PA-5XXX-250
Tension during glueing (N/cm):	12 (+/-1)
Minimum Tension (N/cm) after 30ours target value Testcondition: 19±1 °C / 30-45% rel. humidity	6
Quantity of fields insert frame	9 Fields

	11.6	11.4	12
	11.6	11.8	11.2
	11.4	12	11.8

Certification
Efficiency of the Bühler insert frame cleaning process confirms the effectiveness of the insert frame cleaning.
Mold and bacteria mortality effectiveness achieved by 99.99%

Compliance of material supplied NOVAPRIME
We hereby declare that the materials NOVAPRIME supplied to you, conform to the following regulations:
- Regulation CE 1935/2004
- Regulation EU 10/2011 and subsequent amendments
- FDA, 21 CFR 177

Name:
John Doe

Signature:

Innovations for a better world.



The background image shows various pieces of industrial equipment, likely used for sieve tensioning, arranged on a light-colored surface. The equipment includes several long, rectangular metal bars and a component with a blue handle. Two large, semi-transparent circles are overlaid on the image: a teal circle in the upper left and a yellow circle in the lower left. The text 'Sieve tensioning equipment' is centered within the teal circle.

Sieve tensioning
equipment

NovaFix and NovaSpeed

Adhesive and activator

NovaFix and NovaSpeed have been developed for optimal bonding of sieve fabrics to insert frames.

NovaFix is a single-component cyanoacrylate adhesive and NovaSpeed is a spray activator to reduce the drying time of cyanoacrylate adhesives.



Ident number	Product	Description	Mesh size
UVB-26000-030	NovaFix 107	Bottle 50 g Adhesive for stainless steel insert frames	fine and coarse 80 – 1,600 microns
UVB-26000-031	NovaFix 107	Bottle 500 g Adhesive for stainless steel insert frames	fine and coarse 80 – 1,600 microns
UXB-26000-125	NovaFix 270	Bottle 50 g Adhesive for wooden and aluminum insert frames	fine 80 – 1,600 microns
UXB-26000-124	NovaFix 270	Bottle 500 g Adhesive for wooden and aluminum insert frames	fine 80 – 1,600 microns
UVB-26000-035	NovaFix 2751	Bottle 500 g Adhesive for wooden and aluminum insert frames	coarse > 1,600 microns
UXB-26002-037	NovaSpeed	Spray 200 ml Activator for all types of insert frames (reduces drying time from 30 to 2 minutes)	

NovaTens

Sieve tensioning device



NovaTens is a pneumatic sieve tensioning device for covering the insert frames of plansifters and purifiers. Due to its high and even clamping force the best sieve tensioning results are achieved.

With the sieve tensioning device NovaTens, a variety of different insert frames can be easily covered. NovaTens is compatible with all frame sizes and is suitable for the covering of wooden and aluminum frames as well as for insert frames made of stainless steel. The tensioning device stretches all types of sieve fabrics, i.e. polyamide (PA), polyester (PET), and metal mesh.

Using compressed air, NovaTens creates a high and even tension in all directions, thereby achieving the best tensioning results. The robust and precise construction prevents the insert frame from slipping out of the jaws and thus allows a secure stretching of the sieve fabric.

Technical data and dimensions

	Value
Jaw width clamp	730 mm
Clamping stroke	50 mm
Operating pressure	4-8 bar
Air consumption	16 l/min
Frame sizes	500-730 mm

*Annotation: The compressed air has to be dry as well as oil-, water- and dust-free.



	Ident number
Sieve tensioning device NovaTens MPBC-1 (single-frame)	UNW-82030-001
Sieve tensioning device NovaTens MPBC-2 (double-frame)*	UNW-82030-002

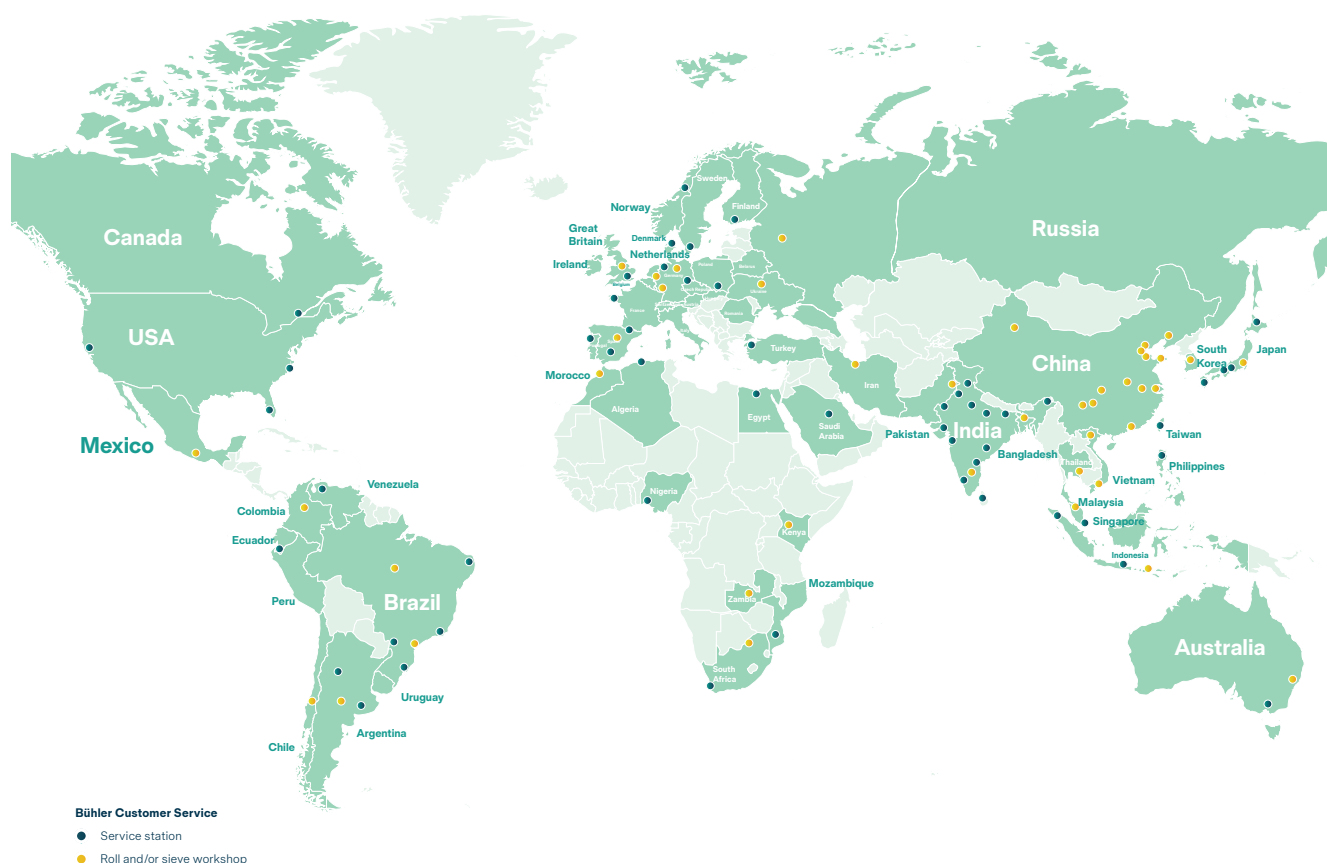
*Not suitable for covering two NovaPur frames at the same time.

Sieve tensioning

Main equipment

	Ident number	Description
	UNW-82014-201	Frame support stainless steel PN-73S for PN-730 (720 x 45 x H45 mm)
	UNW-82014-020	Steel weight 1 kg
	UNW-82014-029 UNW-82014-030 UNW-82014-031	Stretching PN-15 for fabrics ≤ 140 microns Stretching PN-20 for fabrics ≤ 112 microns Stretching PN-14 for fabrics ≤ 200 microns
	UNW-82014-021	Scraping knife with one spare blade
	UNW-52100-001	Tensocheck 100
	UNW-82014-027	Wood frame supports for wooden insert frames
	UNW-82014-251	Frame spacer for purifiers made of PE HD
	UNW-82014-25	Plastic frame support for aluminum insert frames

Bühler Workshops Worldwide



Bühler is the starting point when it comes to reliable procurement of equipment for plansifters and maintenance of the mill. Over 45 workshops worldwide offer an extensive range of services all around the plansifter.

Services, equipment, and retrofits

- Nova wooden sieve frames
- NovaPur plastic sieve frames
- NovaPur retrofit
- Consulting services
- Sieve tensioning service
- Spare and wear parts
- Service contracts

Bühler AG

Milling Solutions
CH-9240 Uzwil,
Switzerland

buhlergroup.com
milling@buhlergroup.com

BUSZ MS All about Plansifter Brochure update en 0626 Z&B 262167