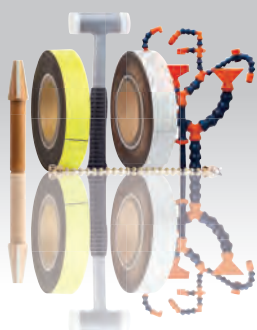


Coolant hoses
Feeler gauge strips
Magnetic labels and envelopes
Protective nets
Supercraft mallets and inserts
Taper and cylinder cleaners



96200
Page 1229



Coolant hose LOC-LINE® Flexi

96202
Page 1232



Suction hoses LOC-LINE® Flexi 75

96203
Page 1233



Suction hoses LOC-LINE® Flexi 75
antistatic

96205
Page 1234



High pressure nozzles LOC-LINE®

96382
Page 1235



Feeler gauge strips

96390
Page 1236



Ball chains

96450
Page 1238



Magnetic labels
on a roll, perforated

96455
Page 1238



Magnetic labels

96460
Page 1239



Magnetic tape rolls

96465
Page 1239



Magnetic C profiles

96470
Page 1240



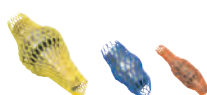
Magnetic envelopes

96471
Page 1240



Magnetic envelopes
with strong magnetics

96500
Page 1241



Net sleeves

96500-01
Page 1242

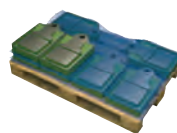


Plastic protective net caps



New/Expanded Items

96510
Page 1243



Net mats

96512
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Plastic separators for Euro
containers

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Edge protection profiles
with steel retaining strip

96521
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Edge protection profiles
with integrated steel wire core

96610
Page 1248



Supercraft soft faced hammer
recoilless

96614
Page 1248



Hammer inserts
for Supercraft hammers

96630
Page 1249



Taper cleaners
for Morse tapers

96632
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Taper cleaners
for short tapers

96634
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Taper cleaners
for hollow shank tapers

96650
Page 1252



Hook wrench with lug
DIN 1810A enhanced

96651
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Face pin spanner
adjustable, cranked

96662-01
Page 1254



Torque wrench
for 5-axis clamping system

96990
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Free-standing floor version

96990
Page 1256



Screwed-down floor version

96990
Page 1257



Floor version on rollers

96990
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Free-standing counter version

96990
Page 1259



Screwed-down counter version

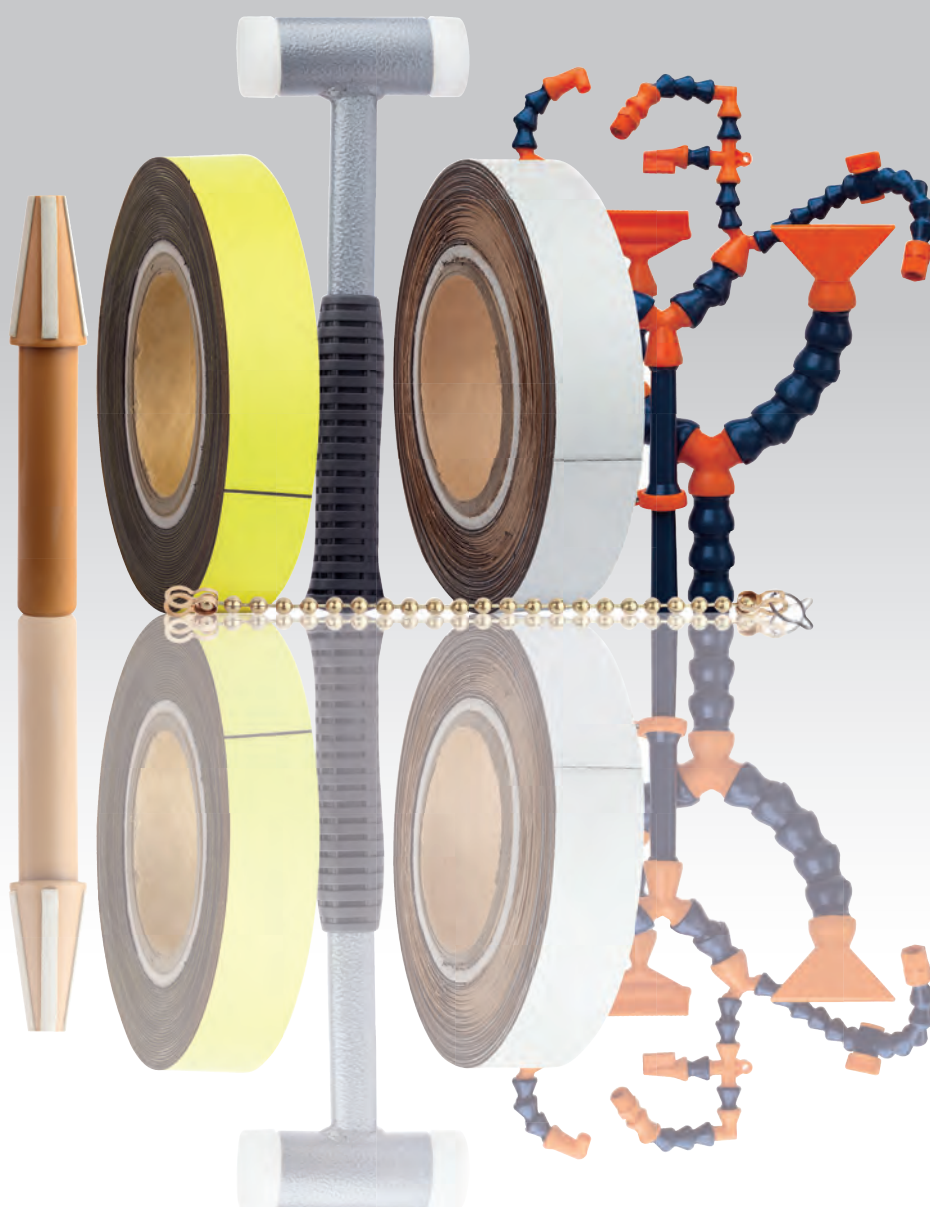
96990
Page 1260



Front mounted counter version

96000

Coolant hoses
Feeler gauge strips
Magnetic labels and envelopes
Protective nets
Supercraft mallets and inserts
Taper and cylinder cleaners



41000

80000

82000

83000

84000

85000

95000

96000

97000

A-Z

Coolant hose LOC-LINE® Flexi


Material:

Polyoxymethylene (POM).

Version:

Flexible hose blue or black.
Accessories orange.

Sample order:

nln 96200-1400141

Note:

The flexible hose is used to direct liquids or extract liquids, dust, steam or smoke. It can be extended and shortened as needed. The material is resistant to most chemicals and solvents. It is not electrically conductive, so it is also suitable for use on EDM's.

Precise adjustment, vibration resistant, position reliability, pressure stability. Freely combinable with nozzles, fasteners, junctions, T-pieces, reducers, extensions etc.

Recommended line pressure:

Size 1/4" 2 - 3.5 bar
Size 1/2" 1.4 - 2 bar
Size 3/4" 0.7 - 1.4 bar

Flow rate:

Size 1/4" 950 l/min.
Size 1/2" 1800 l/min.
Size 3/4" 4300 l/min.

Temperature range:

-20 °C to +80 °C.



90° angle nozzle Ø6



Flat nozzle with joint
16 hole Ø1.5



Ring system

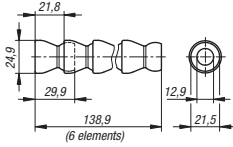
Coolant hose LOC-LINE® Flexi

1/4"

Order No.	Image	Article description	Application
96200-1400141		FLEXIBLE HOSE SIZE:1/4 L=140, BLUE	
96200-1400142		FLEXIBLE HOSE SIZE:1/4 L=140, BLACK	
96200-1415001		FLEXIBLE HOSE SIZE:1/4 L=15M, BLUE	
96200-1415002		FLEXIBLE HOSE SIZE:1/4 L=15M, BLACK	
96200-1401		ROUND NOZZLE SIZE:1/4, D=1,5	punctiform jet
96200-1402		ROUND NOZZLE SIZE:1/4, D=3	punctiform jet
96200-1403		ROUND NOZZLE SIZE:1/4, D=6	punctiform jet
96200-1404		FLAT NOZZLE WIDE SPRAY SIZE:1/4 B=25	flat wide jet
96200-1405		FLAT NOZZLE SIZE:1/4 B=12x1	jet with constant profile
96200-1406		FLAT NOZZLE SIZE:1/4 B=12x1,5	jet with constant profile
96200-1407		FLAT NOZZLE SIZE:1/4, 5-HOLE	several parallel single jets
96200-1408		FLAT NOZZLE SIZE:1/4, 7-HOLE	several parallel single jets
96200-1409		GRINDING NOZZLE SIZE:1/4 B=25	straight bundled jet
96200-1410		FLAT NOZZLE WITH BALL JOINT SIZE:1/4, 16-HOLE, D=1	several parallel single jets
96200-1411		FLAT NOZZLE WITH BALL JOINT SIZE:1/4, 16-HOLE, D=1,5	several parallel single jets
96200-1412		FLAT NOZZLE WITH BALL JOINT SIZE:1/4, 20-HOLE, D=2	several parallel single jets
96200-1413		ANGLED NOZZLE 90° SIZE:1/4, D=1,5	punctiform jet
96200-1414		ANGLED NOZZLE 90° SIZE:1/4, D=3	punctiform jet
96200-1415		ANGLED NOZZLE 90° SIZE:1/4, D=6	punctiform jet
96200-1416		ANGLED NOZZLE 90° SIZE:1/4, 6-HOLE	several parallel single jets
96200-1417		SCREW CONNECTION 1/8 NPT SIZE:1/4	with ball and male thread
96200-1418		SCREW CONNECTION 1/4 NPT SIZE:1/4	with ball and male thread
96200-1419		DISTRIBUTOR SIZE:1/4	2 hoses from 1 supply line
96200-1420		DISTRIBUTOR SIZE:1/4	2 hoses at 90° from 1 supply line
96200-1421		CONNECTING PIECE SIZE:1/4	for tight bends
96200-1422		COUPLING SIZE:1/4	socket both sides
96200-1423		ADAPTER SIZE:1/4, D=1/8	with socket and female thread
96200-1424		EXTENSION SIZE:1/4 L=95	for bridging long stretches
96200-1425		HOSE BEND 90° SIZE:1/4	for bends
96200-1426		RING SYSTEM SIZE:1/4	lateral spray
96200-1427		LOCKING RING WITH SCREW SIZE:1/4	prevents bending or positional change at high pressure
96200-1428		CHECK VALVE SIZE:1/4	prevents dripping
96200-1429		SHUT-OFF VALVE EXTERNAL THREAD SIZE:1/4, 1/4 NPT	regulates and stops the flow
96200-1430		SHUT-OFF VALVE INTERNAL THREAD SIZE:1/4, 1/4 NPT	regulates and stops the flow
96200-1431		SHUT-OFF VALVE WITH SEGMENT ADAPTER SIZE:1/4	regulates and stops the flow
96200-1499		ASSEMBLY TOOL SIZE:1/4	for assembling hose elements

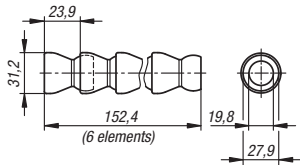
Coolant hose LOC-LINE® Flexi

1/2"

Order No.	Image	Article description	Application
96200-1200141		FLEXIBLE HOSE SIZE:1/2 L=140, BLUE	
96200-1200142		FLEXIBLE HOSE SIZE:1/2 L=140, BLACK	
96200-1215001		FLEXIBLE HOSE SIZE:1/2 L=15M, BLUE	
96200-1215002		FLEXIBLE HOSE SIZE:1/2 L=15M, BLACK	
96200-1201		ROUND NOZZLE SIZE:1/2, D=6	punctiform jet
96200-1202		ROUND NOZZLE SIZE:1/2, D=9	punctiform jet
96200-1203		ROUND NOZZLE SIZE:1/2, D=12	punctiform jet
96200-1204		FLAT NOZZLE WIDE SPRAY SIZE:1/2 B=32	flat wide jet
96200-1205		FLAT NOZZLE WIDE SPRAY SIZE:1/2 B=63	flat wide jet
96200-1206		FLAT NOZZLE SIZE:1/2 B=18X2	jet with constant profile
96200-1207		FLAT NOZZLE SIZE:1/2 B=18X3,2	jet with constant profile
96200-1208		FLAT NOZZLE SIZE:1/2, 5-HOLE, D=3,2	several parallel single jets
96200-1209		FLAT NOZZLE SIZE:1/2, 7-HOLE, D=2	several parallel single jets
96200-1210		GRINDING NOZZLE SIZE:1/2 B=32	straight bundled jet
96200-1211		GRINDING NOZZLE SIZE:1/2 B=42	straight bundled jet
96200-1212		FLAT NOZZLE WITH BALL JOINT SIZE:1/2, 20-HOLE, D=2	several parallel single jets
96200-1213		ANGLED NOZZLE 90° SIZE:1/2, D=6	punctiform jet
96200-1214		ANGLED NOZZLE 90° SIZE:1/2, D=9	punctiform jet
96200-1215		ANGLED NOZZLE 90° SIZE:1/2, D=12	punctiform jet
96200-1216		ANGLED NOZZLE 90° SIZE:1/2, 8-HOLE	several parallel single jets
96200-1217		SCREW CONNECTION 3/8 NPT SIZE:1/2	with ball and male thread
96200-1218		SCREW CONNECTION 1/2 NPT SIZE:1/2	with ball and male thread
96200-1219		DISTRIBUTOR SIZE:1/2	2 hoses from 1 supply line
96200-1220		DISTRIBUTOR REDUCED SIZE:1/2-1/4	2 hoses from 1 supply line
96200-1221		DISTRIBUTOR SIZE:1/2	2 hoses at 90° from 1 supply line
96200-1222		CONNECTING PIECE SIZE:1/2, ORANGE	for tight bends
96200-1223		COUPLING SIZE:1/2, ORANGE	socket both sides
96200-1224		REDUCING BUSH SIZE:1/2-1/4	reduces from 1/2" to 1/4"
96200-1225		EXTENSION SIZE:1/2 L=95	for bridging long stretches
96200-1226		HOSE BEND 90° SIZE:1/2	for bends
96200-1227		RING SYSTEM SIZE:1/2	lateral spray
96200-1228		LOCKING RING WITH SCREW SIZE:1/2	prevents bending or positional change at high pressure
96200-1229		CHECK VALVE SIZE:1/2	prevents dripping
96200-1230		SHUT-OFF VALVE EXTERNAL THREAD SIZE:1/2, 1/2 NPT	regulates and stops the flow
96200-1231		SHUT-OFF VALVE INTERNAL THREAD SIZE:1/2, 1/2 NPT	regulates and stops the flow
96200-1232		SHUT-OFF VALVE WITH SEGMENT ADAPTER SIZE:1/2	regulates and stops the flow
96200-1299		ASSEMBLY TOOL SIZE:1/2	for assembling hose elements

Coolant hose LOC-LINE® Flexi

3/4"

Order No.	Image	Article description	Application
96200-3400151		FLEXIBLE HOSE SIZE:3/4 L=152, BLUE	
96200-3400152		FLEXIBLE HOSE SIZE:3/4 L=152, BLACK	
96200-3401501		FLEXIBLE HOSE SIZE:3/4 L=1,5M, BLUE	
96200-3401502		FLEXIBLE HOSE SIZE:3/4 L=1,5M, BLACK	
96200-3415001		FLEXIBLE HOSE SIZE:3/4 L=1,5M, BLUE	
96200-3415002		FLEXIBLE HOSE SIZE:3/4 L=1,5M, BLACK	
96200-3401		ROUND NOZZLE SIZE:3/4, D=16	punctiform jet
96200-3402		ROUND NOZZLE SIZE:3/4, D=19	punctiform jet
96200-3403		FLAT NOZZLE WIDE SPRAY SIZE:3/4 B=76	flat wide jet
96200-3404		SCREW CONNECTION NPT 3/4 SIZE:3/4	with ball and male thread
96200-3405		SCREW CONNECTION BSPT 3/4 SIZE:3/4	with ball and male thread
96200-3406		CONNECTING FOOT WITH SCREW HOLE SIZE:3/4	-
96200-3407		DISTRIBUTOR SIZE:3/4	2 hoses from 1 supply line
96200-3408		DISTRIBUTOR REDUCED SIZE:3/4-1/2	reduces from 3/4" to 1/2"
96200-3409		REDUCING BUSH SIZE:3/4-1/2	reduces from 1/2" to 1/4"
96200-3410		COUPLING SIZE:3/4	socket both sides
96200-3411		CONNECTING PIECE SIZE:3/4	for tight bends
96200-3412		SHUT-OFF VALVE EXTERNAL THREAD SIZE:3/4, NPT 3/4	regulates and stops the flow
96200-3413		SHUT-OFF VALVE INTERNAL THREAD SIZE:3/4, NPT 3/4	regulates and stops the flow
96200-3414		SHUT-OFF VALVE WITH SEGMENT ADAPTER SIZE:3/4	regulates and stops the flow
96200-3499		ASSEMBLY TOOL SIZE:3/4	for assembling hose elements

Suction hoses LOC-LINE® Flexi 75

**Material:**

Polyoxymethylene (POM).

Version:Flexible hose, blue.
Accessories, orange.**Sample order:**

nlm 96202-75300

Note:

Flexible hose for extracting swarf, smoke, lubricant mist, steam, gases and other media; can be connected to a central extraction system or an industrial vacuum cleaner. It can be extended and shortened as needed. Free hanging lengths of up to 100 cm are possible without the need for support; 360° loops can be formed with a radius of 150 mm. Precise adjustment, vibration resistant, position reliability. Combinable with nozzles and accessories as required.

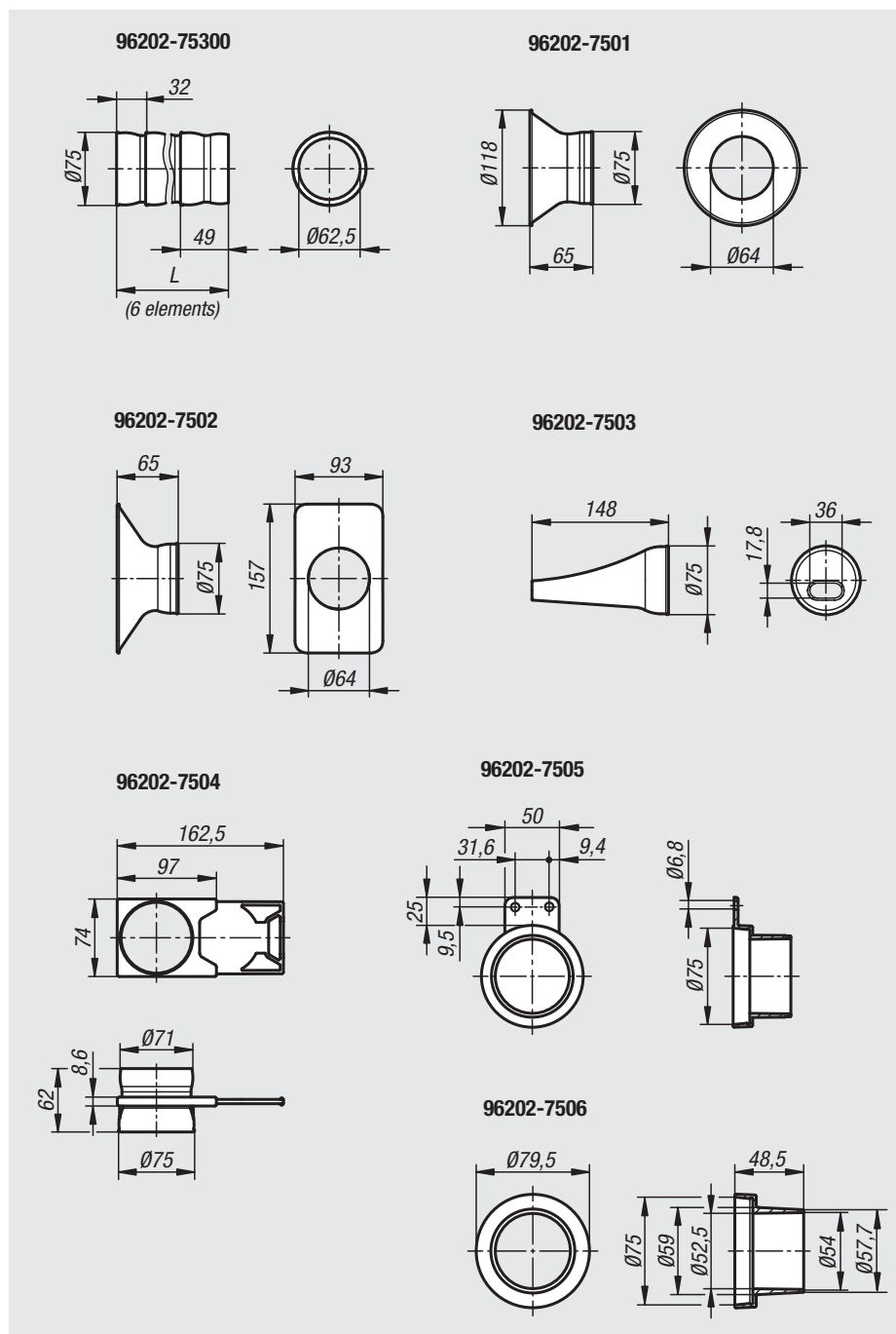
Resistant to: acids below 65 °C, alcohols, aromatic solvents, petrol, grease, hydrocarbons, oil, saline solutions.

Not resistant to: chlorine, acetone, chlorinated solvents, strong bases, ethyl acetate, water above 65 °C.

The material is not electrically conductive, so it is also suitable for use on EDM's.

Temperature range:

Maximum temperature 80 °C.
The melting point is 165 °C.



Order No.	Image	Article description
96202-75300		FLEXIBLE HOSE SIZE:75 L=300, BLUE
96202-7501		ROUND NOZZLE SIZE:75
96202-7502		RECTANGULAR NOZZLE SIZE:75
96202-7503		OVAL NOZZLE CONICAL SIZE:75
96202-7504		GATE VALVE SIZE:75
96202-7505		ADAPTER F. INDUST. VACUUM CLEANER SIZE:75
96202-7506		ADAPTER F. INDUST. VACUUM CLEANER SIZE:75

Suction hoses LOC-LINE® Flexi 75

antistatic

**Material:**

Electrically conductive polyoxymethylene (POM).

Version:

Flexible hose, black.

Accessories, black.

Sample order:

nlm 96203-75300

Note:

Flexible hose for extracting swarf, smoke, lubricant mist, steam, gases and other media; can be connected to a central extraction system or an industrial vacuum cleaner. It can be extended and shortened as needed. Free hanging lengths of up to 100 cm are possible without the need for support; 360° loops can be formed with a radius of 150 mm. Precise adjustment, vibration resistant, position reliability. Combinable with nozzles and accessories as required.

Resistant to: acids below 65 °C, alcohols, aromatic solvents, petrol, grease, hydrocarbons, oil, saline solutions.

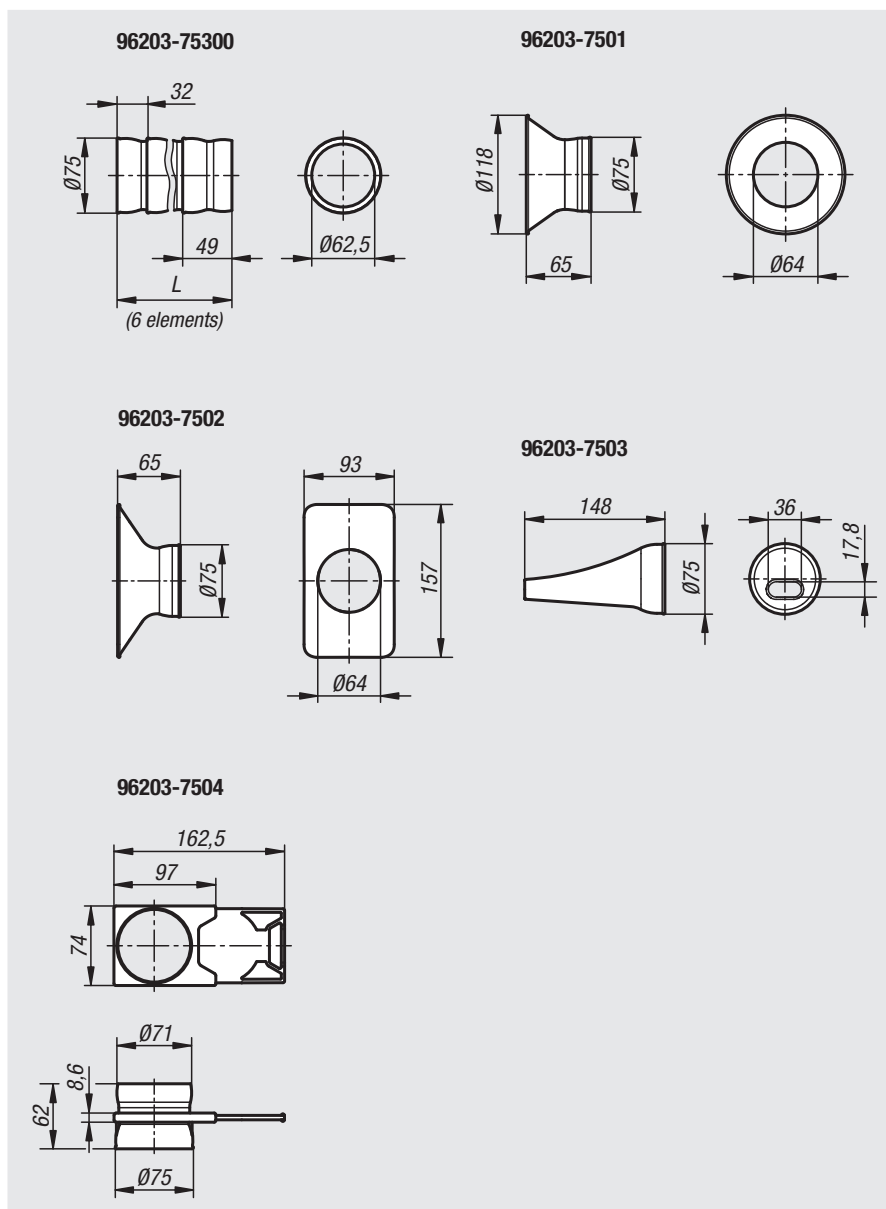
Not resistant to: chlorine, acetone, chlorinated solvents, strong bases, ethyl acetate, water above 65 °C.

Antistatic and electric properties:
specific surface resistivity: 1000 E3 Ω
specific electrical resistance: < 6000 E2 Ω

Temperature range:

Maximum temperature 80 °C.

The melting point is 165 °C.



Order No.	Image	Article description
96203-75300		FLEXIBLE HOSE ANTISTATIC SIZE:75 L=300, BLACK
96203-7501		ROUND NOZZLE ANTISTATIC SIZE:75
96203-7502		RECTANGULAR NOZZLE ANTISTATIC SIZE:75
96203-7503		OVAL NOZZLE ANTISTATIC SIZE:75, CONICAL
96203-7504		GATE VALVE ANTISTATIC SIZE:75

High pressure nozzles LOC-LINE®


Material:

Polyoxymethylene (POM).
Nozzle stainless steel.

Version:

Colour blue/orange.

Sample order:

nlm 96205-11816064
(include length L e.g. 064 for L = 6,4 mm)

Note:

The extremely compact design makes this high-pressure nozzle ideal for use where space is at a premium. When screwed in position, the nozzle can be adjusted using a pin and retains its positional stability. Additional security is not required. It can be rotated 360° and withstands working pressure ranges of up to 70 bar.

Resistant to: acetone, alcohol, ethyl, grease, oil,
commercially available dishwashing detergent, petrol,
paint, solvents, sodium hydroxide.

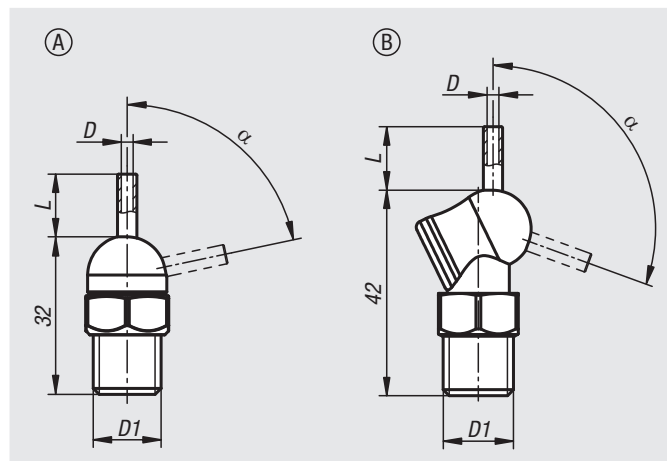
Not resistant to: chlorine, acids, ammonium hydroxide,
strong bases, hypochlorite ionic solutions, sodium
hypochlorite.

Form A: nozzle pivot range up to 72°

Form B: nozzle pivot range up to 110° (for applications
where the jet is also required below the screw-on level)

Temperature range:

Maximum temperature range 50 °C.



Order No.	Form	D	D1	L	α
96205-11816***	A	1,6	R1/8	-/6,4/12,7/31,8	72°
96205-11822***	A	2,2	R1/8	-/6,4/12,7/31,8	72°
96205-11830***	A	3	R1/8	-/6,4/12,7/31,8	72°
96205-11841***	A	4,1	R1/8	-/6,4/12,7/31,8	70°
96205-11416***	A	1,6	R1/4	-/6,4/12,7/31,8	72°
96205-11422***	A	2,2	R1/4	-/6,4/12,7/31,8	72°
96205-11430***	A	3	R1/4	-/6,4/12,7/31,8	72°
96205-11441***	A	4,1	R1/4	-/6,4/12,7/31,8	70°
96205-21816***	B	1,6	R1/8	-/6,4/12,7/31,8	110°
96205-21822***	B	2,2	R1/8	-/6,4/12,7/31,8	110°
96205-21830***	B	3	R1/8	-/6,4/12,7/31,8	110°
96205-21841***	B	4,1	R1/8	-/6,4/12,7/31,8	102°
96205-21416***	B	1,6	R1/4	-/6,4/12,7/31,8	110°
96205-21422***	B	2,2	R1/4	-/6,4/12,7/31,8	110°
96205-21430***	B	3	R1/4	-/6,4/12,7/31,8	110°
96205-21441***	B	4,1	R1/4	-/6,4/12,7/31,8	102°

Feeler gauge strips

Material:
1.1274 spring steel (0.005 is 1.4301 stainless steel)

Version:
Spring hard, cold rolled

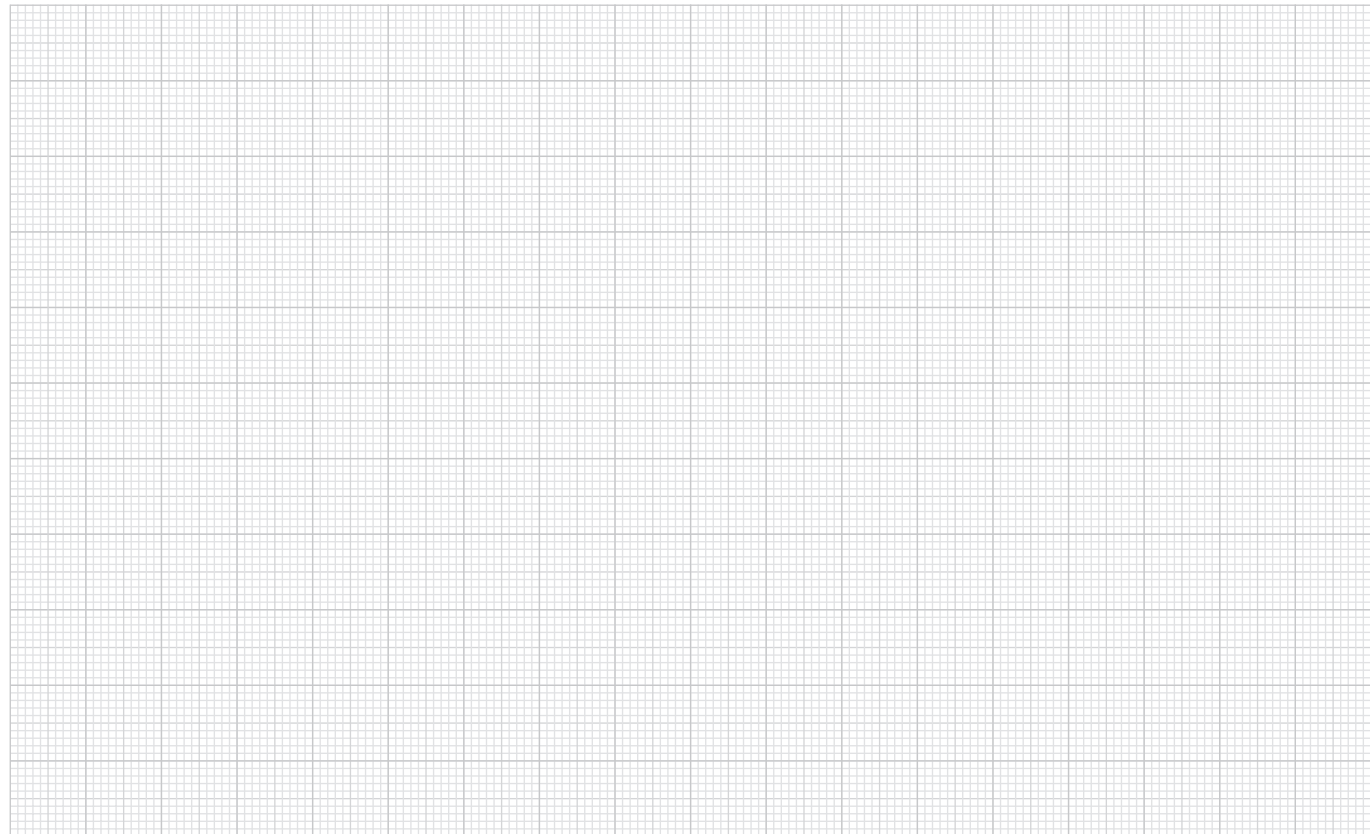
Sample order:
nlm 96382-0010

Note:
These feeler gauges are supplied in a practical dispenser.
They are used for adjusting, aligning and as shims for tools, workpieces, forms etc, checking tolerances, controlling and adjusting guides, print rollers, profile templates and many other applications.



Order No.	thickness	strip width (mm)	length (m)	thickness tolerance mm
96382-0005	0,005	12,7	2	±0,001
96382-0010	0,01	12,7	2	±0,002
96382-0020	0,02	12,7	2	±0,002
96382-0030	0,03	12,7	2	±0,002
96382-0040	0,04	12,7	2	±0,003
96382-0050	0,05	12,7	2	±0,003
96382-0100	0,1	12,7	2	±0,004
96382-0200	0,2	12,7	2	±0,006
96382-0300	0,3	12,7	2	±0,007

Notes



Ball chains



Material:

A: Chain brass or stainless steel.

B: Chain brass or stainless steel, key ring stainless steel.

C: Chain brass, ring 1.4310 stainless steel.

Sample order:

nlm 96390-16X320 (include length L)

Note:

If no length is specified 1000 mm will be supplied.

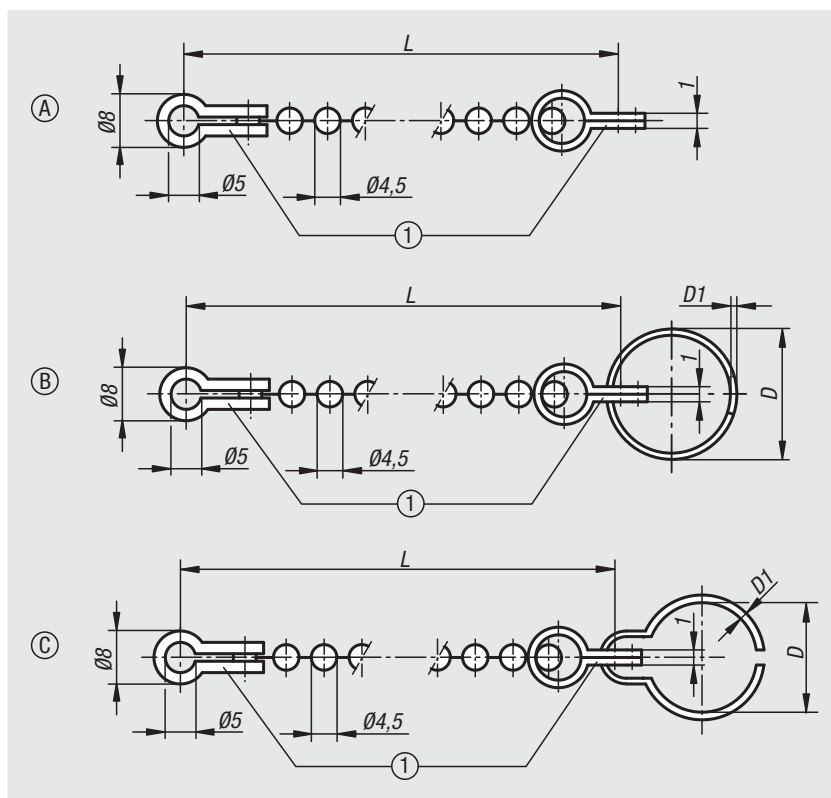
Drawing reference:

1) same parts

Form A: ball chain, single

Form B: ball chain with key ring

Form C: ball chain with ring clip



Form A, ball chain single

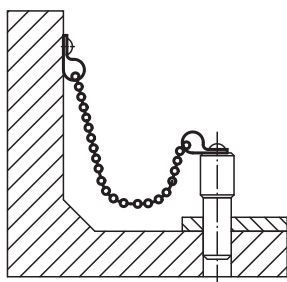
Order No.	Form	Version 1	Main material	L
96390-00X	A	single	brass	160/320/500/1000
96390-01X	A	single	stainless steel	160/320/500/1000

Form B, ball chain with keyring

Order No.	Form	Version 1	Main material	L	D	D1
96390-015X	B	with key ring	brass	160/320/500/1000	15	1
96390-019X	B	with key ring	brass	160/320/500/1000	19	1
96390-023X	B	with key ring	brass	160/320/500/1000	23	1,2
96390-028X	B	with key ring	brass	160/320/500/1000	28	1,7
96390-115X	B	with key ring	stainless steel	160/320/500/1000	15	1
96390-119X	B	with key ring	stainless steel	160/320/500/1000	19	1
96390-123X	B	with key ring	stainless steel	160/320/500/1000	23	1,2
96390-128X	B	with key ring	stainless steel	160/320/500/1000	28	1,7

Form C, ball chain with ring clip

Order No.	Form	Version 1	Main material	L	D	D1
96390-09X	C	with ring clip	brass	160/320/500/1000	9	1
96390-12X	C	with ring clip	brass	160/320/500/1000	12	1,2
96390-14X	C	with ring clip	brass	160/320/500/1000	14	1,6
96390-16X	C	with ring clip	brass	160/320/500/1000	16	1,6
96390-20X	C	with ring clip	brass	160/320/500/1000	20	2
96390-24X	C	with ring clip	brass	160/320/500/1000	24	2
96390-30X	C	with ring clip	brass	160/320/500/1000	30	2,6
96390-36X	C	with ring clip	brass	160/320/500/1000	36	2,6



Notes

A large grid of graph paper for taking notes. The grid is composed of small squares, with larger squares forming a 10x10 pattern. The grid is intended for technical drawing or note-taking.

41000
80000
82000
83000
84000
85000
95000
96000
97000
A-Z

Magnetic labels

on a roll, perforated

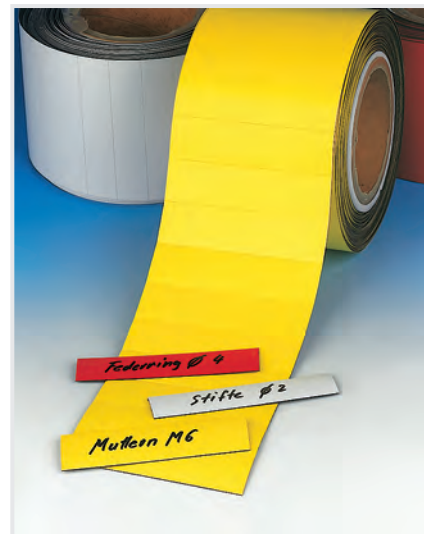
Sample order:

nlm 96450-0800201

Note:

Store shelf magnetic labels on a roll, 10 m long, perforated magnetic strips that can be separated without scissors.

Other colours and dimensions available on request.



Order No. white	Order No. yellow	length x width	Magnetic tape thickness	Labels per roll
96450-0800201	96450-0800202	80 x 20	0,9	500
96450-0800401	96450-0800402	80 x 40	0,9	250
96450-1000501	96450-1000502	100 x 50	0,9	200

Magnetic labels

Sample order:

nlm 96455-0700202

Note:

These labels are small magnetic plaques for identifying the contents of store shelves. Product positions can be quickly and easily identified.

Other colours and dimensions available on request.



Order No. white	Order No. yellow	length x width	Magnetic tape thickness
96455-0600101	96455-0600102	60 x 10	0,9
96455-0700201	96455-0700202	70 x 20	0,9
96455-0800301	96455-0800302	80 x 30	0,9
96455-1000401	96455-1000402	100 x 40	0,9
96455-1500501	96455-1500502	150 x 50	0,9
96455-2000801	96455-2000802	200 x 80	0,9

Magnetic tape rolls

Sample order:

nlm 96460-301

Note:

Magnetic tape solves labelling problems. They adhere to any steel surface and can be repeatedly written on and wiped.
Other colours and dimensions available on request.



Order No. white	Order No. yellow	Magnetic band: width (mm)	Magnetic tape thickness	Length
96460-301	96460-302	30	0,9	10 m
96460-401	96460-402	40	0,9	10 m

Magnetic C profiles

Sample order:

nlm 96465-100030

Note:

Magnetic C profiles are full face magnetic strips for labelling shelves or for headers or name tags on planning boards. They are supplied with card backing and a transparent cover.
Other dimensions available on request.



Order No.	length x width
96465-100030	100 x 30
96465-100040	100 x 40
96465-150050	150 x 50

Magnetic envelopes



Sample order:
nlm 96470-217155

Note:
Magnetic envelopes are used to hold documents accompanying the goods during the production process.



Order No.	length x height	for sheet size
96470-217155	217 x 155	DIN A5
96470-220300	220 x 300	DIN A4

96471

Magnetic envelopes

with strong magnetics

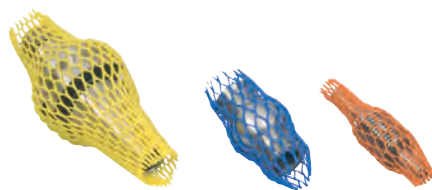
Sample order:
nlm 96471-217155

Note:
Standard magnetic envelopes do not provide sufficient hold by severe vibration or poor surface area i.e. wire crates. These magnetic envelopes have two strong neodymium magnets which simplify handling in such a way that an envelope only has to be thrown at the wire box. The magnets sealed into the envelopes seek their own surface and ensure a secure hold.



Order No.	length x height	for sheet size
96471-217155	217 x 155	DIN A5
96471-220300	220 x 300	DIN A4

Net sleeves


Material:

Polyethylene

Sample order:

n1m 96500-007X25000

Note for ordering:

Supplied on rolls only.

Note:

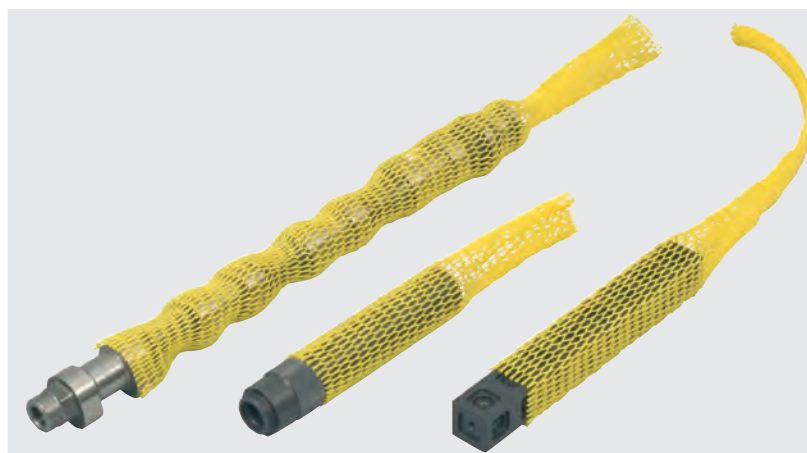
Effective protection for surfaces and sensitive goods that are exposed to light, medium and heavy loads during production, storage and transport. In addition, the net sleeves for very light loads can be used for single use protection. These nets are mainly used in the furniture industry to protect polished surfaces of furniture from scratches and light impacts. Very resistant to external influences and environmentally friendly due to recyclability. Can be cut to length according to individual requirements. Multiple re-use, thanks to good reset effect to initial diameter.

Very light loads: For very light parts or furniture components, especially legs and frames.

Light loads: For light to medium weight parts.

Medium loads: For medium to heavy weight sensitive parts.

Heavy loads: For heavy weight and highly sensitive parts.



Order No.	Version 1	Recommended Ø	Colour	Length	G=Weight g/m
96500-007X25000	medium loading	7-15 mm	orange	250 m / on the roll	18
96500-015X20000	medium loading	15-25 mm	blue	200 m / on the roll	18
96500-025X10000	medium loading	25-50 mm	yellow	100 m / on the roll	40
96500-050X10000	medium loading	50-100 mm	red	100 m / on the roll	85
96500-100X05000	medium loading	100-200 mm	green	50 m / on the roll	100
96500-200X05000	medium loading	200-300 mm	orange	50 m / on the roll	120
96500-300X05000	medium loading	300-600 mm	white	50 m / on the roll	250
96500-007X250001	light loading	7-15 mm	orange	250 m / on the roll	14
96500-015X250001	light loading	15-25 mm	blue	250 m / on the roll	14
96500-025X100001	light loading	25-50 mm	yellow	100 m / on the roll	30
96500-050X100001	light loading	50-100 mm	red	100 m / on the roll	50
96500-080X100001	light loading	80-150 mm	red	100 m / on the roll	50
96500-150X100001	light loading	150-250 mm	black	100 m / on the roll	60
96500-005X050002	heavy loading	5-10 mm	blue	50 m / on the roll	16
96500-010X050002	heavy loading	10-20 mm	blue	50 m / on the roll	27
96500-020X050002	heavy loading	20-30 mm	blue	50 m / on the roll	40
96500-030X050002	heavy loading	30-45 mm	blue	50 m / on the roll	45
96500-045X050002	heavy loading	45-75 mm	blue	50 m / on the roll	70
96500-075X050002	heavy loading	75-100 mm	blue	50 m / on the roll	120
96500-100X050002	heavy loading	100-150 mm	blue	50 m / on the roll	140
96500-150X050002	heavy loading	150-180 mm	blue	50 m / on the roll	180
96500-180X050002	heavy loading	180-220 mm	blue	50 m / on the roll	190
96500-005X300003	very light loads	5-25 mm	Colourless	300 m / on the roll	8
96500-020X500003	very light loads	20-50 mm	green	500 m / on the roll	13
96500-050X200003	very light loads	50-90 mm	red	200 m / on the roll	20

Plastic protective net caps


Material:

Polyethylene

Sample order:

nIm 96500-01-0410

Note:

Protective net sleeves with widened opening one end for easy insertion and other end closed for highest protection of product ends.

Application:

Optimum as mesh protective caps for instruments and for osteosynthesis nails as well as point and thread protection for very high quality parts.



Order No.	Main colour	Recommended Ø	D1=internal diameter	L	L1=effective length
96500-01-0108	red	1-6 mm	8	80	70
96500-01-0410	orange	4-10 mm	10	80	70
96500-01-1015	blue	10-15 mm	15	80	70

Net mats


Material:

Polyethylene

Sample order:

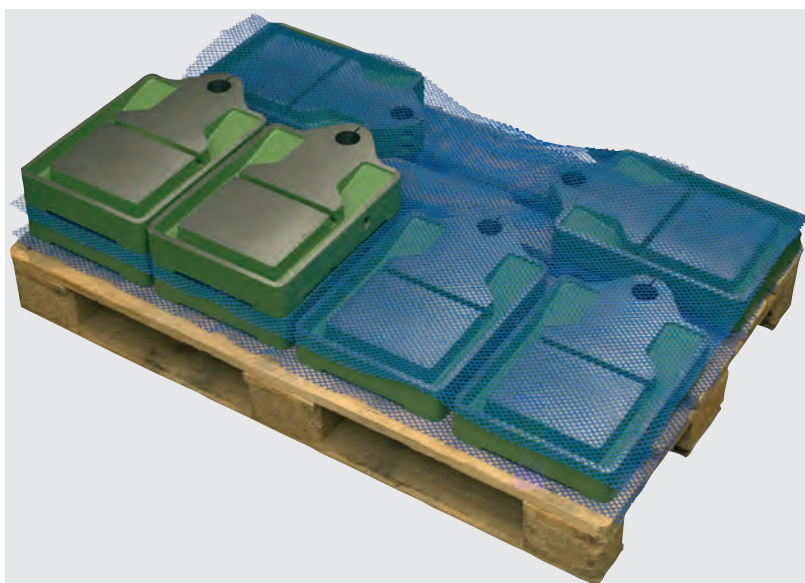
nlm 96510-07500950

Note:

Effective protection for surfaces and sensitive goods during transport, storage, stacking, final packaging or parts cleaning. Very resistant to external influences and environmentally friendly due to recyclability. Can be cut to size according to individual requirements.

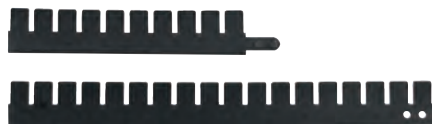
The net mats for parts cleaning can be used with chemical solutions up to 110° C and aqueous solutions up to 130° C.

Effective non-slip net mats are suitable for transporting pallets, wire mesh crates and storage boxes with several layers.



Order No.	Version 1	Version 2	Dimensions	Mesh size	Mat thickness	Colour	G=Weight g/m
96510-07500950	for transport	-	750x950 mm	11x11 mm	3,8 mm	blue	640
96510-078011804	for transport	-	780x1180 mm	4X4 mm	3,7 mm	black	900
96510-078011806	for transport	-	780x1180 mm	6x6 mm	2,8 mm	black	460
96510-075010000007	for transport	-	750x100000 mm	7x7 mm	2,2 mm	blue	200
96510-07507500010	for transport	-	750x75000 mm	10x10 mm	3 mm	white	410
96510-07505000011	for transport	-	750x50000 mm	11x11 mm	3,8 mm	blue	640
96510-120030000206	for parts cleaning	for chemical solutions	1200x30000 mm	6x6 mm	2,8 mm	white	450
96510-102050000203	for parts cleaning	for aqueous solutions	1020x50000 mm	3x3 mm	2 mm	white	450
96510-081050000208	for parts cleaning	for aqueous solutions	810x50000 mm	8x8 mm	3,1 mm	black	610
96510-118025000104	non-slip	-	1180x25000 mm	4x6 mm	1,8 mm	colourless	460
96510-118025000106	non-slip	-	1180x25000 mm	6x6 mm	3,3 mm	colourless	410

Plastic separators for Euro containers


Material:

Polyamide (PA 6).

Version:

black.

Sample order:

nIm 96512-0390200

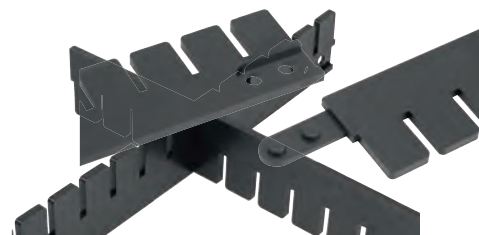
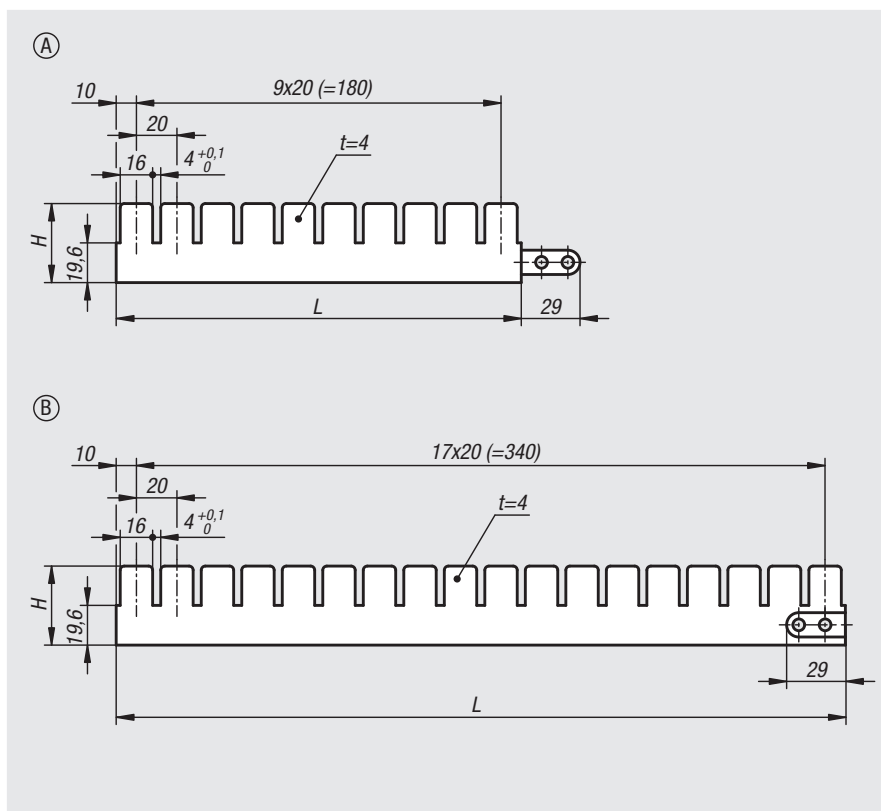
Note:

The separators are designed for use in Euro containers with an external dimension of 600x400 mm (internal dimension ca. 570x370 mm) in order to partition them. The long side can be partitioned by simply joining a 200 mm and a 360 mm separator. The short side can be partitioned by a single 360 mm separator.

This enables the container to be individually divided into smaller compartments by simply joining the separators. The components are protected against damage and shifting during transport. The separators also guarantee easy removal of the components.

Because they are reusable, the separators can be repeatedly reconfigured. When not required, they can be stored flat, saving space.

The separators can be extended (max. length 560 mm) or shortened with a saw. This means they can also be used to partition other containers or drawers.



Order No.	Form	Form-Type	H	L
96512-0390200	A	short	39	200
96512-0390360	B	long	39	360

Notes

A large grid of graph paper for taking notes. The grid consists of 20 columns and 40 rows of small squares. The grid is intended for technical drawing or engineering notes.

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Edge protection profiles

with steel retaining strip


Material:

PVC.

Version:

black.

Sample order:

nIm 96520-010X2000
(include length L)

Note:

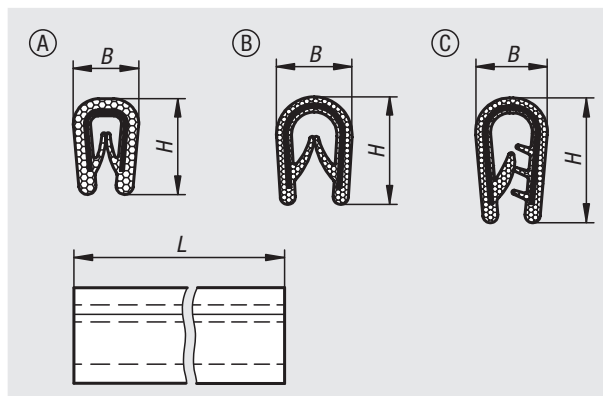
The edge protection profiles are used to cover and decorate the sharp edges of cut plate so that no additional processing is required.

Assembly:

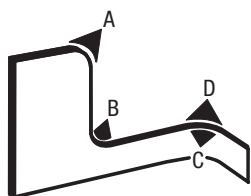
Easy, quick and smooth assembly. The edge protection profile is easy to push on by hand, and remains in place even on radii or bends. No adhesive or fastening material required.

On request:

Other lengths.



Minimum bend radius:



Order No.	Form	L	Clamping range mm	Minimum bend radius mm	B	H
96520-010X	A	2000/5000/10000/20000/50000	1,0-2,0	A=15 B=15 C=10 D=10	6,5	10
96520-114X	B	2000/5000/10000/20000/50000	1,0-4,0	A=30 B=20 C=20 D=20	10	14,5
96520-217X	C	2000/5000/10000/20000/50000	4,0-6,0	A=50 B=40 C=30 D=30	11	15,8

Edge protection profiles

with integrated steel wire core



Material:

Edge protection EPDM or PVC.
Seal EPDM foam rubber.

Version:

black.

Sample order:

nIm 96521-015X2000
(include length L)

Note:

In addition to edge protection, these profiles also provide a sealing function against moisture, dust and dirt for other elements such as doors, hatches or housing covers. Depending on the shape of the foam rubber profile, they can be used in a wide range of applications.

We recommend compressing the sealing lip of the edge protection by max.50%.

To ensure the best possible seal, the lips should be compressed by 30-40%.

These specifications are recommendations; in practice, they are individually dependent on the application and the parts used.

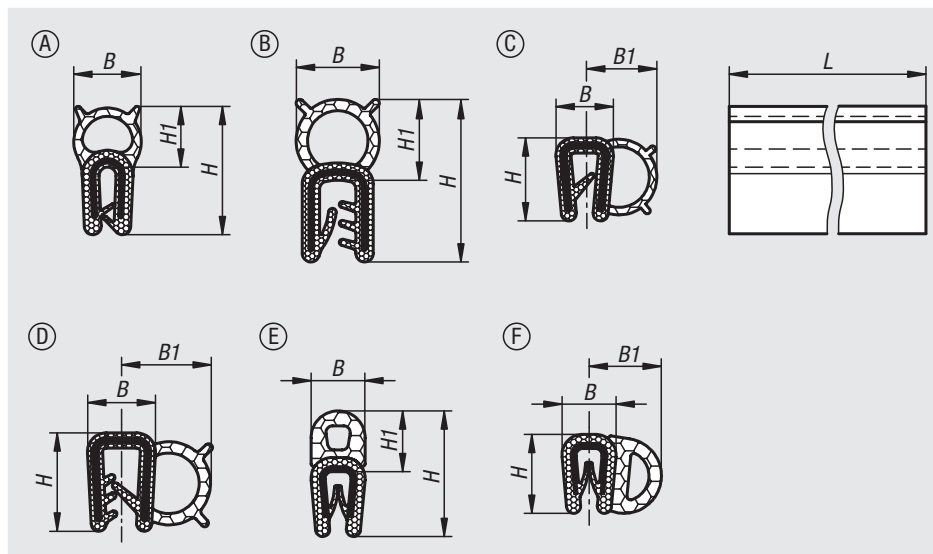
The sizes 11, 13, 15 and 22 made from EPDM are UL50, UL50E and UL94HB certified.

Assembly:

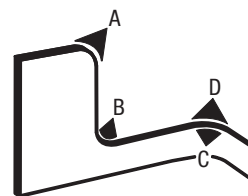
Easy, quick and smooth assembly. The edge protection profile is easy to push on by hand and remains in place. No adhesive or fastening material required.

On request:

Other lengths.



Minimum bend radius:



Order No.	Form	Main material	L	Clamping range mm	Minimum bend radius mm	B	B1	H	H1
96521-015X	A	EPDM	2000/5000/10000/20000/50000	0,5-1,5	A=50 B=180 C=25 D=25	8	-	15	7
96521-122X	B	EPDM	2000/5000/10000/20000/50000	1,0-3,0	A=50 B=180 C=30 D=30	11	-	22	11
96521-211X	C	EPDM	2000/5000/10000/20000/50000	1,0-2,0	A=100 B=200 C=100 D=60	8	9	11	-
96521-313X	D	EPDM	2000/5000/10000/20000/50000	2,0	A=50 B=20 C=120 D=40	9	12	13	-
96521-415X	E	PVC	2000/5000/10000/20000/50000	1,0-2,0	A=20 B=40 C=10 D=10	6,5	-	15	7
96521-510X	F	PVC	2000/5000/10000/20000/50000	1,0-2,0	A=20 B=15 C=30 D=30	7	9	10	-

Supercraft soft faced hammer

recoilless

Material:

Housing steel tube filled with steel balls.
Shaft steel tube with rubber grip or Hickory.
Inserts white nylon (grease and oil resistant).

Sample order:

nlm 96610-05002

Note:

Inserts to reorder 96614.



Order No.	Version 1	Head-Ø	H=height	L=Length
96610-03001	with wooden shaft	30	110	330
96610-04001	with wooden shaft	40	115	360
96610-05001	with wooden shaft	50	120	370
96610-06001	with wooden shaft	60	145	370
96610-03002	with steel tube shaft	30	110	290
96610-04002	with steel tube shaft	40	115	300
96610-05002	with steel tube shaft	50	120	310
96610-06002	with steel tube shaft	60	145	325

96614

Hammer inserts

for Supercraft hammers

Material:

White nylon, grease and oil resistant.

Sample order:

nlm 96614-04001



Order No.	for Head-Ø	Suitable for Supercraft soft hammers
96614-03001	30	96610-030..
96614-04001	40	96610-040..
96614-05001	50	96610-050..
96614-06001	60	96610-060..

Taper cleaners

for Morse tapers



Material:

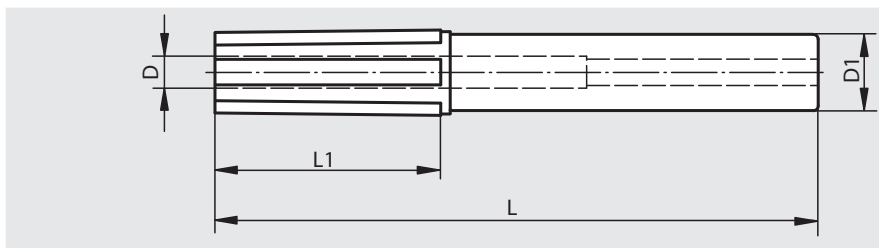
Plastic, felt facing.

Sample order:

nIm 96630-001

Note:

For cleaning Morse taper tool holders. The taper cleaner consists of a plastic body with form retentive felt facing. No abrasive particles remain in the felt material, dirt particles collect in the large gaps between the felt strips.



Order No.	Size	D	D1	L	L1
96630-001	MK 1	-	22	136	59
96630-002	MK 2	10	24	190	71
96630-003	MK 3	13	24	196	87
96630-004	MK 4	17	24	222	110
96630-005	MK 5	21	30	258	136
96630-006	MK 6	29	34	315	195

Taper cleaners

for short tapers



Material:

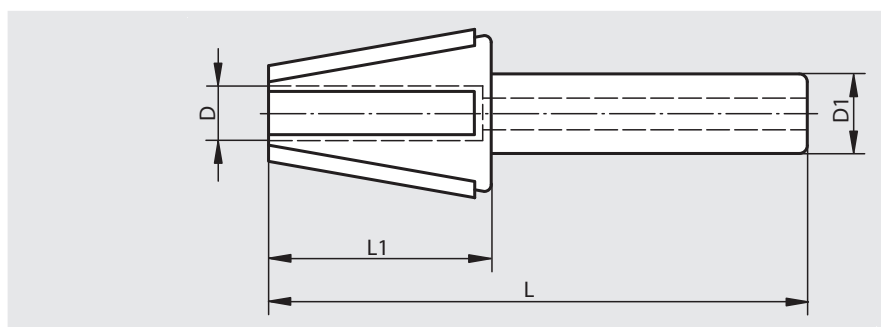
Plastic, felt facing.

Sample order:

nIm 96632-020

Note:

For cleaning short taper tool holders. The taper cleaner consists of a plastic body with form retentive felt facing. No abrasive particles remain in the felt material, dirt particles collect in the large gaps between the felt strips.



Order No.	Size	D	D1	L	L1
96632-020	SK 20	7,5	15	102	39
96632-030	SK 30	9,5	24	168	55
96632-040	SK 40	16	24	188	73
96632-045	SK 45	21	26	215	96
96632-050	SK 50	26	30	240	116

Taper cleaners

for hollow shank tapers


Material:

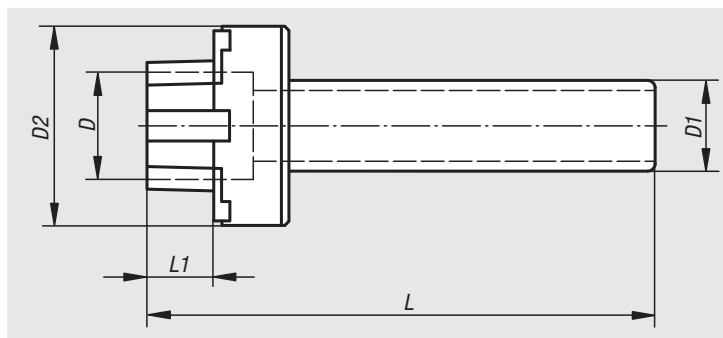
Plastic, felt facing.

Sample order:

nlm 96634-025

Note:

For cleaning hollow shank taper tool holders. The taper cleaner consists of a plastic body with form retentive felt facing. No abrasive particles remain in the felt material, dirt particles collect in the large gaps between the felt strips.



Order No.	Size	D	D1	D2	L	L1
96634-025	HSK 25	14	22	33	114	9
96634-032	HSK 32	17	24	35	138	10
96634-040	HSK 40	22,2	24	45	142	13
96634-050	HSK 50	27,5	24	53	152	17
96634-063	HSK 63	35	30	66	168	22
96634-080	HSK 80	44	30	83	178	27
96634-100	HSK 100	57	30	103	199	34

Notes

A large grid of graph paper for taking notes. The grid is composed of small squares, with larger squares forming a 20x20 pattern. The grid is intended for technical drawing or note-taking.

41000
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97000
A-Z

Hook wrench with lug

DIN 1810A enhanced


Material:

Special steel.

Version:

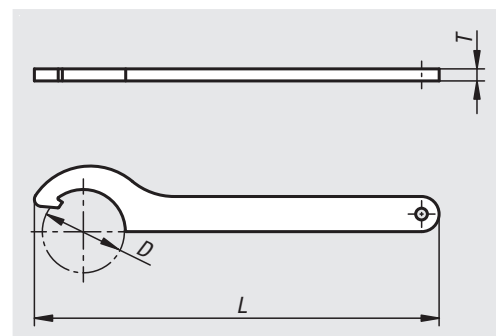
Hardened and annealed in black oxide tone.

Sample order:

nIm 96650-012014

Note:

For DIN 1804 slotted round nuts, DIN 981 bearing nuts and for our levelling sets 27700 to 27708 (two hook wrenches will be required for the levelling sets). With rounded edges for better handling.



Order No.	D min.	D max.	L	T	for slotted nuts DIN 1804	for bearing locknuts DIN 981
96650-012014	12	14	110	3	-	-
96650-016020	16	20	110	3	M6, M8	M10
96650-025028	25	28	136	4	M10, M12	M16
96650-030032	30	32	136	4	M14, M16	M18, M20
96650-034036	34	36	170	5	M18, M20	M22
96650-038045	38	45	170	5	M26	M24 - M30
96650-040042	40	42	170	5	M22, M24	M26, M28
96650-045050	45	50	206	6	M26 - M30	M32, M35
96650-052055	52	55	206	6	M32, M35	M38
96650-058062	58	62	240	7	M38 - M42	M42 - M45
96650-065070	65	70	240	7	-	M48 - M52
96650-068075	68	75	240	7	M45 - M50	M50 - M55
96650-080090	80	90	280	8	M52 - M60	M60 - M70

Face pin spanner

adjustable, cranked

**Material:**

Steel.

Version:

Black oxidised.

Sample order:

nln 96651-08

Note:

Assembly tool for screwing in the flat versions of the locating bushes ball lifting pins 07781.

D1 pertains to dimension D1 of the locating bush for ball lifting pins.



Order No.	D1
96651-08	8/10/12
96651-16	16/20

Torque wrench

for 5-axis clamping system


Material:

Steel.

Version:

Surface: hard chromed

Sample order:

nln 96662-01-01

Note:

Torque wrench 40-200 set:

Precision +/- 3% of the scale value (in direction of actuation)

(5107-3 CT +/- 4% release precision)

Secure: - haptic (short path trip)

- acoustic (snap element)

Designed for rough workshop use.

Broad spectrum of use for controlled screw tightening.

Applications in industry and trades.

Optimised sealing ring for protection from foreign matter.

Ratchet repair set for customer-oriented self-assembly permits use for decades.

Handle with anti-roll for easier power transmission through more grip.

Adjustment aid through indexing points for optimised operator guidance guarantees secure and fast setting of the desired torque value by turning the handle.

Secure locking of the setting values through detent on the swivel head.

Lock symbols signal the respective locking condition.

Possibility to fasten rope loop through openings on the locking mechanism swivel head.

Easily readable, contrast-rich scale.

Permanent readability through laser labelling of the scale sleeve.

Integrated switch lever.

Certified acc. to DIN EN ISO 6789-2:2017.

With calibration certificate and serial number.

Supplied in stable hexagonal hinged box.

Square acc. to DIN 3120, ISO 1174-1, DIN EN ISO 6789-2:2017.

Key insert (hex):

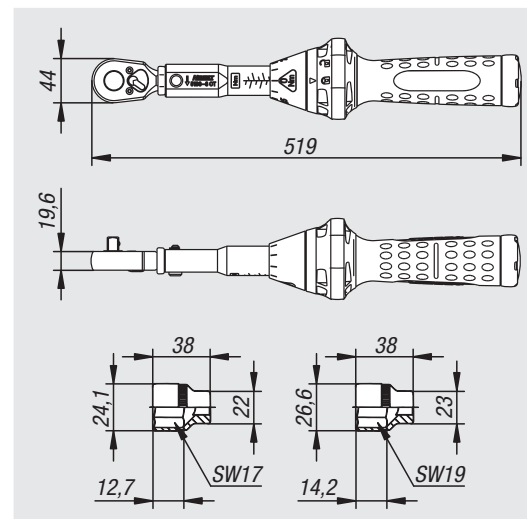
With knurling

Surface: chrome-plated, polished

DIN 3124, ISO 2725-1

Recommendation:

Annual check interval for torque wrenches, in which the upper limit is 5,000 load cycles.


Function:

Operating principle of torque wrench

Unlock.

Press handle ca. 8 mm forward and rotate in the desired direction.

Continue to turn handle to set the desired torque.

Turn the handle backwards a little.

Lock.

Supplied with:

Set comprising:

Torque wrench

Key insert SW17

Key insert SW19

Suitable for:

3 Axis clamping system

5 Axis clamping system

5 Axis Clamping system compact

Order No.	Item	Version 1	Product type	Torque Nm
96662-01-01	Torque Wrench	set	revolving grip	40 - 200

Free-standing floor version

**Material:**

Aluminium profile.
Acrylic glass.

Version:

Square profile.
Acrylic glass panel.

Note:

Total height: 1903 mm
Frame width: 900 mm
Foot length: 530 mm

Floor standing versions consisting of an aluminium frame and acrylic glass panels.
Stable construction and universally applicable.

Square profile, frame top open.
Acrylic glass 850 x 850 mm (4 mm thick).
Total clearance height 1000 mm.
Pass-through clearance 140 mm by a table height of 860 mm.

Application:

Retail shops / pharmacies
Grocery stores / checkout areas
Medical practices / waiting rooms
Reception counters / entrance area

On request:

Special sizes.



41000

80000

82000

83000

84000

85000

95000

96000

97000



A-Z

Order No.

Item

96990-21

Floor version

Screwed-down floor version

**Material:**

Aluminium profile.
Acrylic glass.

Version:

Square profile.
Acrylic glass panel.

Note:

Total height: 1886 mm
Width: 900 mm
Foot surface each: 72x60 mm

Table and floor standing versions consisting of an aluminium frame and acrylic glass panels.
Stable construction and universally applicable.

Square profile, frame top open.
Acrylic glass 850 x 850 mm (4 mm thick).
Total clearance height 1000 mm.
Pass-through clearance 140 mm by a table height of 860 mm.

Application:

Retail shops / pharmacies
Grocery stores / checkout areas
Medical practices / waiting rooms
Reception counters / entrance area

On request:

Special sizes.



Order No.

Item

96990-22

Floor version

Floor version on rollers

Material:

Aluminium profile.
Acrylic glass.

Version:

Square profile.
Acrylic glass panel.

Note:

Total height: 1960mm
Frame width: 900mm
Foot length: 530mm

Floor version consisting of aluminium frame and acrylic glass panels.
Sturdy construction with universal application.

Square profile, frame top open.
Acrylic glass 850x850mm, thickness 4mm.
Total clearance height 1060 mm.
2 castors with wheel locks for secure positioning.

Application:

Retail shops / pharmacies
Grocery stores / checkout areas
Medical practices / waiting rooms
Reception counters / entrance area

On request:

Special sizes.



41000

80000

82000

83000

84000

85000

95000

96000

97000



A-Z

Order No.

Item

96990-26

Floor version

Free-standing counter version

**Material:**

Aluminium profile.
Acrylic glass.

Version:

Square profile.
Acrylic glass panel.

Note:

Total height: 1025mm
Service hatch height: 145mm
Frame width: 900mm
Foot length: 530mm

Table version consisting of aluminium frame and acrylic glass panels.
Sturdy construction with universal application.

Square profile, frame top open.
Acrylic glass 850x850mm, thickness 4mm.

Application:

Retail shops / pharmacies
Grocery stores / checkout areas
Medical practices / waiting rooms
Reception counters / entrance area

On request:

Special sizes.



Order No.

Item

96990-11

Counter version

Screw-down counter version

**Material:**

Aluminium profile.
Acrylic glass.

Version:

Square profile.
Acrylic glass panel.

Note:

Total height: 1025 mm
Service hatch height: 145 mm
Frame width: 900 mm
Foot surface each: 72x60 mm

Table version consisting of aluminium frame and acrylic glass panels.
Sturdy construction with universal application.

Square profile, frame top open.
Acrylic glass 850x850 mm, thickness 4 mm.

Application:

Retail shops / pharmacies
Grocery stores / checkout areas
Medical practices / waiting rooms
Reception counters / entrance area

On request:

Special sizes.
Screwed-on ceiling panel.
Screwed-on wall panel.



41000

80000

82000

83000

84000

85000

95000

96000

97000

A-Z

Order No.

Item

96990-12

Counter version

Front mounted counter version

**Material:**

Aluminium profile.
Acrylic glass.

Version:

Square profile.
Acrylic glass panel.

Note:

Total height: 1275 mm
Service hatch height: variable
Frame width: 900 mm
Foot surface each: 72x60 mm

Counter version consisting of aluminium frame and acrylic glass panels.
Sturdy construction with universal application.

Square profile, frame top open.
Acrylic glass 850x850 mm, thickness 4 mm.

Application:

Retail shops / pharmacies
Grocery stores / checkout areas
Medical practices / waiting rooms
Reception counters / entrance area

On request:

Special sizes.



Order No.

Item

96990-13

Counter version

Acrylic glass panels

**Material:**

Acrylic glass.

Note:

Height: 850mm

Width: 850mm

Thickness: 4mm

Well thought-out modular system made of acrylic glass, plastic elements and stainless steel.
Modular, light and flexible.

Application:

Catering / hotels / restaurants

Office desks / meeting rooms

Counters / communication areas

Schools / libraries



41000

80000

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95000

96000

97000

A-Z

Order No.

Item

96990-10-0850085004

Acrylic glass panel

Basic modules


Material:

Polyoxymethylene (POM)

Version:

White or black.

Note:

Well thought-out modular system made of acrylic glass, plastic elements and stainless steel.

Modular, light and flexible.

Application:

Catering / hotels / restaurants

Office desks / meeting rooms

Counters / communication areas

Schools / libraries



Order No.	Main colour	D	H
96990-12-150036	white	50	36
96990-12-150145	white	50	145
96990-12-250036	black	50	36
96990-12-250145	black	50	145

Round bars

Material:

Stainless steel 1.4404.

Version:

Bright.

Note:

Well thought-out modular system made of acrylic glass, plastic elements and stainless steel.

Modular, light and flexible.

Application:

Catering / hotels / restaurants

Office desks / meeting rooms

Counters / communication areas

Schools / libraries



Order No.	D	L
96990-13-10X125	10	125
96990-13-10X250	10	250

HYGIENeshield Premium

**Material:**

Aluminium profile.
Acrylic glass.

Note:

Height: 910mm
Rigid length: 1610mm
Swivel length: 1710mm
Foot length: 445mm

Pull-out panels: 325mm possible
Aluminium profiles: 30x30mm
Acrylic glass: thickness 4mm

High-quality solution made up of solid aluminium profiles, hinges and acrylic glass panels. Functional folding system – ideal for conferences and meetings.

System suitable for meetings where there are 2-4 people.

Length of the swivel sides variably adjustable using the pull-out panels.

Robust design.

Application:

Conference tables / meeting rooms / events
Architect's offices / design offices
Agencies / legal practices / consultancies

Advantages:

Swivelling and foldable.
No tools required.
Folding panel can be moved on the main frame.
Panels can be fixed for transport.



Order No.

Item

96990-15-14

HYGIENeshield