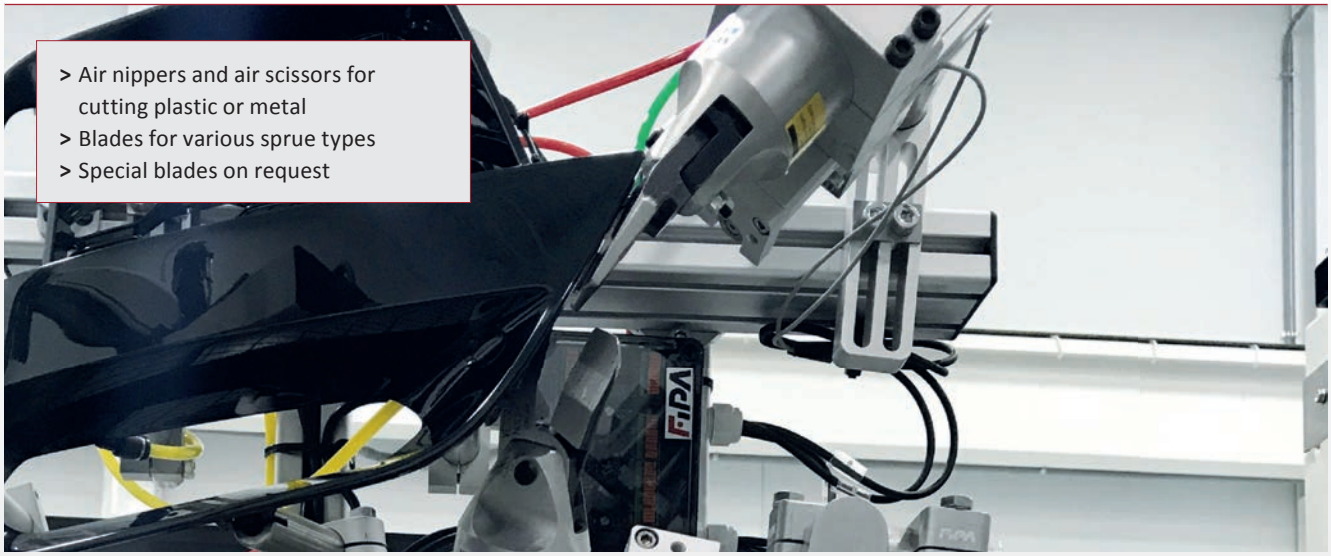
FIPA Air nippers



> Air nippers and air scissors for cutting plastic or metal
> Blades for various sprue types
> Special blades on request

Air nippers for manual or automatic operation

> Installation on robot arms or cutting stations
> Cutting off sprues as well as cutting metal wire
> Round or square body

> See page 286

Stationary air nippers with/without lift

> Installation on cutting stations or automated equipment
> Adjustable lift for cutting flush to the workpiece
> Double-acting models for short cycles

> See page 308

Air shears for manual or automatic operation

> Cutting of special plastics and textiles
> Double-acting models for short cycles

> See page 321

Blades for plastic or metal

> Blades for various sprue types
> Special blades on request

> See pages after respective nipper type

Blades for plastic – nippers for manual and automatic operation

Item number	Page	Cutting capacity [mm]		Air nippers		
		PP/PE	ABS	GT-N [manually]	GT-NR [round]	GT-NS [rectangular]
Straight cutting edge						
						
Standard type						
N3AJ	296	2	--	x	x	x
N10LAB2		4	2.6	x	x	x
N20AJ		7	5	x	x	x
N20AB39		7	5	x	--	x
N30AJ		10	6.5	x	x	x
Extra long blade						
N20AJL	296	7	5	x	x	x
N30AJL		10	6.5	x	x	x
N50AJL		15	8	x	x	x
Angled cutting edge						
						
Blade with flat angle						
N3AP	298	2	--	x	x	x
N5AP		2	--	x	x	x
N7AP		3	2	x	x	x
N10AP		4	2.6	x	--	--
N10LAB152		4	2.6	x	--	x
N10LAP		4	2.6	--	x	x
N12AP		4.5	4	x	--	--
N20AA239		6	4	x	--	x
N20AA27		6.5	4.5	x	--	x
N20AB360		7	5	--	--	x
N30AA114		10	6.5	x	x	x
N30AP		10	6.5	x	x	x
N50AB		15	8	--	x	x
N50ABH41		18	8	--	x	x
Blade with deep angle						
N7PF	298	3	2	x	x	x
N10LPF		4	2.6	--	x	x
N20PF		7	5	x	x	x
N30PF		10	6.5	x	x	x
Laterally facing blades						
						
Blade with 90° laterally facing cutting edge						
N20AML	300	10x1.5	8x1	x	x	x
N20AMR		10x1.5	8x1	x	x	x
N30AML		15x2	10x1.5	x	x	x
N30AMR		15x2	10x1.5	x	x	x
Blades, L-shape						
						
Long blade with 90° angle						
N20AL	301	7	5	x	x	x
N30AL525		10	6.5	x	x	x

Blades for plastic – nippers for manual and automatic operation

Item number	Page	Cutting capacity [mm]		Air nippers		
		PP/PE	ABS	GT-N [manually]	GT-NR [round]	GT-NS [rectangular]
Blades, Z-shape						
Offset blade						
N20AH	302	7	5	x	x	x
N30AH		10	6.5	x	x	x
Blades, nipper style						
For cutting applications						
N3AE	303	2	--	x	x	x
N5AE		2	--	x	x	x
N7AE		3	2	x	x	x
N10AE		4	2.6	x	x	x
N20AE		7	5	x	x	x
N30AE		10	6.5	x	x	x
N50AE		12	6.5	x	x	--

Blades for metal – nippers for manual and automatic operation

Item number	Page	Cutting capacity [mm]			Air nippers		
		Copper wire	Steel wire	Piano wire	GT-N [manually]	GT-NR [round]	GT-NS [rectangular]
Straight cutting edge							
Blade with an unbeveled edge (anvil principle) to cut thin wire							
N3BJ	304	1	0.5	--	x	x	x
N5BJ		1	0.5	--	x	x	x
N7BJ		1.6	1	--	x	x	x
Blade in clipper type shape with carbide tips to cut thicker wire or thin pipe							
N20BFB	304	2.6	2	1.2	x	x	x
N50AS		5.5	4.5	--	x	x	--
Angled cutting edge							
Blade with an unbeveled edge (anvil principle) to cut thin wire							
N3AS	306	1	0.5	--	x	x	x
N3HS		1	0.5	0.2	x	x	x
N5AS		1	0.5	--	x	x	x
N5HS		1	0.5	0.3	x	x	x
N7AS		1.6	1	--	x	x	x
N7HS		1.6	1	0.5	x	x	x
N10AS		1.8	1.2	--	x	--	--
N10HS		2.3	1.7	--	x	--	--
N10LAS		1.8	1.2	--	--	x	x
N12AS		2.3	1.7	--	x	--	--
N12HS		1.3	2.7	--	x	--	--
N20AS		2.6	2	--	x	x	x
N20HS		2.6	2	1	x	x	x
N30AS		3.3	2.8	--	x	x	x
Blade with an unbeveled edge (anvil principle) and carbide tips							
N30BBB	306	3.3	2.8	1.2	x	x	x
Blade with carbide tips							
N50BBB	306	5.5	4.5	2	x	x	--

Blades for plastic – stationary nippers with or without lift

Item number	Page	Cutting capacity [mm]		Air nippers	
		PP/PE	ABS	GT-NF [without lift]	GT-NY [with lift]
Straight cutting edge					
					
Standard type					
NY05AJ	311	3	2	x	x
NY10AJ		3.5	2.3	x	x
NY15AJ		4	2.6	x	x
NY20AJ		5	3.4	x	x
Reverse cutting edge if cutting flush to workpiece with blade "AJ" is not possible					
NY05RAJ	311	3	2	x	x
NY10RAJ		3.5	2.3	x	x
NY15RAJ		4	2.6	x	x
NY25RAJ		5	3.4	x	x
Extra long blade					
NY05AJL	311	3	2	x	x
NY10AJL		3.5	2.3	x	x
NY15AJL		4	2.6	x	x
NY25AJL		5	3.4	x	x
Extra thin blade for restricted spaces					
NY05AJT	311	3	2	x	x
NY10AJT		3.5	2.3	x	x
NY15AJT		4	2.6	x	x
Soldered carbide tip for cutting hard plastics or plastics containing fiberglass					
NY05AJB	311	3	2	x	x
NY10AJB		3.5	2.3	x	x
NY15AJB		4	2.6	x	x
NY25AJB		5	3.4	x	x
Blades, Z-shape					
					
Offset blade for overcoming obstacles or for narrow sprues					
NY05AH	313	3	2	x	x
NY10AH		3.5	2.3	x	x
NY15AH		4	2.6	x	x
NY25AH		5	3.4	x	x
Reverse cutting edge if cutting flush to workpiece with blade "AH" is not possible					
NY05RAH	313	3	2	x	x
NY10RAH		3.5	2.3	x	x
NY15RAH		4	2.6	x	x
NY25RAH		5	3.4	x	x

Blades for metal – stationary nippers with or without lift

Item number	Page	Cutting capacity [mm]		Air nippers	
		Copper wire	Steel wire	GT-NF [without lift]	GT-NY [with lift]
Straight cutting edge					
					
Blade with an unbeveled edge (anvil principle)					
NY05BJ	315	1.6	1	x	x
NY05RBJ		1.6	1	x	x

Blades for plastic – vertical stationary nippers with lift

Item number	Page	Cutting capacity [mm] PP/PE	Cutting capacity [mm] ABS	Air nippers GT-NT
Straight cutting edge				
				
Standard type				
NT03AJ	318	1.5	1	x
NE05AJ		2.5	1.5	x
NT05AJ		2.5	1.5	x
NE10AJ		3.5	2.3	x
NT10AJ		3.5	2.3	x
NT20AJ		5	3.4	x
Extra long blade				
NT05AJL	318	2.5	1.5	x
NT10AJL		3.5	2.3	x
NT20AJL		5	3.4	x
Extra thin blade for restricted spaces				
NT03AJT	318	1.5	1	x
NT05AJT		2.5	1.5	x
NT10AJT		3.5	2.3	x
Blade with HSS-tip for cutting hard plastic				
NT05AJH	318	2.5	1.5	x
NT10AJH		3.5	2.3	x
NT20AJH		5	3.4	x
Carbide tip for cutting hard plastic or plastic with glass fiber				
NT05AJB	318	2.5	1.5	x
NT10AJB		3.5	2.3	x
NT20AJB		5	3.4	x
Blades, pliers shape				
				
For universal cutting applications				
NT05AE	320	2.5	1.5	x
NT10AE		3.5	2.3	x

Blades for air scissors

Item number	Page	Cutting capacity [mm] Kevlar	Cutting capacity [mm] Band steel	Air nippers GT-NWR [round]	Air nippers GT-NWS [rectangular]
Blades for single-acting air scissors for cutting kevlar, aramid, glass or carbon fiber					
					
H30ME	322	1	--	x	x
H30MEL		1	--	x	x
H12ME30K		0.3	--	x	--
H120SK		--	15 x 0.5	x	--

Item number	Page	Cutting capacity [mm] Copper wire	Cutting capacity [mm] Steel wire	Air nippers GT-HWR [round]	Air nippers GT-HWS [rectangular]
Blades for double-acting air scissors for cutting copper or steel wire					
					
HW1J	324	1	0.5	x	x
HW10J		1.8	1.2	--	x

Air nippers – automatic, round/square

AIR NIPPERS FOR PLASTIC AND METAL

Air nippers, round

Air nippers, square

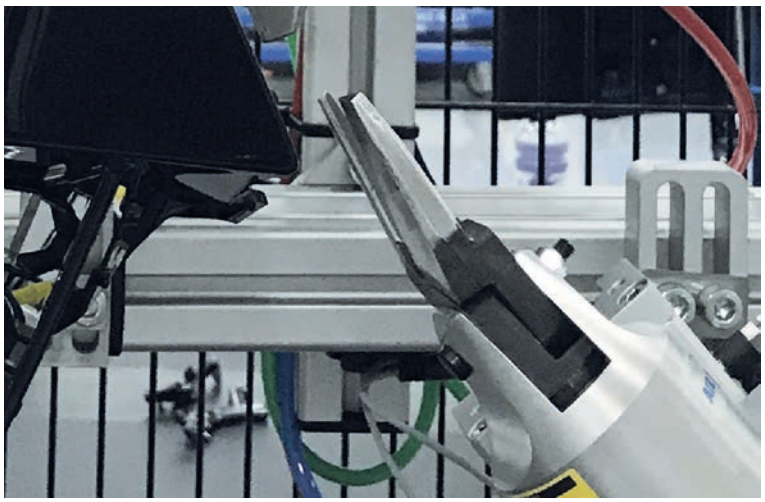
Product notes

> Air nippers for EOAT robot arms or cutting stations
> Round body can be mounted in any angle position
> Square body comes with bore holes on five surfaces
> Rear air connection can be rotated 180°
> GT-NS20H-1: air nipper with adjustable cutting opening
> Pressure booster to increase cutting force optionally available

Technical data

Item no.	Housing	Max. cutting force [N]	Air consumption [cm³/stroke]	Operating pressure [bar (psi)]	Height blade [mm]	Connection [G]	Accessories
GT-NR3	Round	294	45	4 - 5 (58 - 72.5)	7	G1/8	--
GT-NR5	Round	392	64	4 - 5 (58 - 72.5)	7	G1/8	--
GT-NR7	Round	490	116	4 - 5 (58 - 72.5)	9	G1/8	--
GT-NR10L	Round	588	116	4 - 6 (58 - 87)	12	G1/8	Mounting bracket: GT-NR10H (p.325) Mounting bracket: GT-NR10GR (p.328) Mounting bracket: GT-NR10S (p.326) Mounting bracket: GT-NR10ST2 (p.327) Pressure amplifier: P-10L (p.295)
GT-NR20	Round	1,372	230	5 - 6 (72.5 - 87)	12	G1/8	Mounting bracket: GT-NR20H (p.325) Mounting bracket: GT-NR20S (p.326) Mounting bracket: GT-NR20ST2 (p.327) Pressure amplifier: P-20 (p.295)
GT-NR30	Round	2,744	584	5 - 6 (72.5 - 87)	17	G1/8	Mounting bracket: GT-NR30H (p.325) Mounting bracket: GT-NR30S (p.326) Mounting bracket: GT-NR30ST2 (p.327) Pressure amplifier: P-30 (p.295)
GT-NR50	Round	4,704	1,170	5 - 6 (72.5 - 87)	25.2	G1/4	Mounting bracket: GT-NR50H (p.325) Mounting bracket: GT-NR50ST2 (p.327) Pressure amplifier: P-50 (p.295)
GT-NS3	Square	294	45	4 - 5 (58 - 72.5)	7	G1/8	--
GT-NS5	Square	392	64	4 - 5 (58 - 72.5)	7	G1/8	--
GT-NS7	Square	490	116	4 - 5 (58 - 72.5)	9	G1/8	--
GT-NS10L	Square	588	116	4 - 6 (58 - 87)	12	G1/8	Pressure amplifier: P-10L (p.295)
GT-NS20	Square	1,372	230	5 - 6 (72.5 - 87)	12	G1/8	Pressure amplifier: P-20 (p.295)
GT-NS20H-1	Square	1,372	230	5 - 6 (72.5 - 87)	12	G1/8	Pressure amplifier: P-20 (p.295)
GT-NS30	Square	2,744	584	5 - 6 (72.5 - 87)	17	G1/8	Pressure amplifier: P-30 (p.295)

Application example



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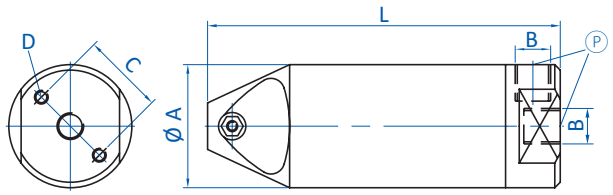
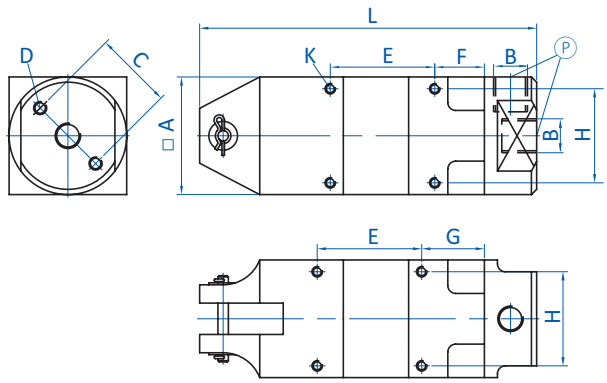


GT-NR3 | GT-NR5 | GT-NR7 | GT-NR10L | GT-NR20 | GT-NR30 | GT-NR50



GT-NS3 | GT-NS5 | GT-NS7 | GT-NS10L | GT-NS20 | GT-NS20H-1 | GT-NS30

Ⓟ = Compressed air connection

Item no.	A [mm]	B	C [mm]	D	E [mm]	F [mm]	G [mm]	H [mm]	K	L [mm]
GT-NR3	23	G1/8	17	M3	--	--	--	--	--	110
GT-NR5	30	G1/8	20	M4	--	--	--	--	--	94
GT-NR7	34	G1/8	22	M4	--	--	--	--	--	113
GT-NR10L	36	G1/8	24	M4	--	--	--	--	--	113
GT-NR20	45	G1/8	30	M5	--	--	--	--	--	129
GT-NR30	56	G1/8	40	M6	--	--	--	--	--	165
GT-NR50	75	G1/4	50	M8	--	--	--	--	--	222
GT-NS3	23	G1/8	17	M3x8	40	19	24	19	M3x3.5	110
GT-NS5	30	G1/8	20	M4x10	30	14	19	24	M3x5	94
GT-NS7	36	G1/8	24	M4x10	30	18	23	28	M4x5.5	113
GT-NS10L	36	G1/8	24	M4x10	30	18	23	28	M4x5.5	113
GT-NS20	45	G1/8	30	M5x12	40	19	24	36	M4x7	129
GT-NS20H-1	45	G1/8	30	M5x12	40	19	24	36	M4x7	129
GT-NS30	56	G1/8	40	M6x12	60	20	30	46	M5x10	170

Air nippers for manual operation

AIR NIPPERS FOR PLASTIC AND METAL

Product notes

> Manually operated air nippers with safety lever
> Round shaped body with knurling for safe grip
> GT-N20, N30 and N50 come with stopcock to lock compressed air supply
> Pressure booster to increase cutting force optionally available

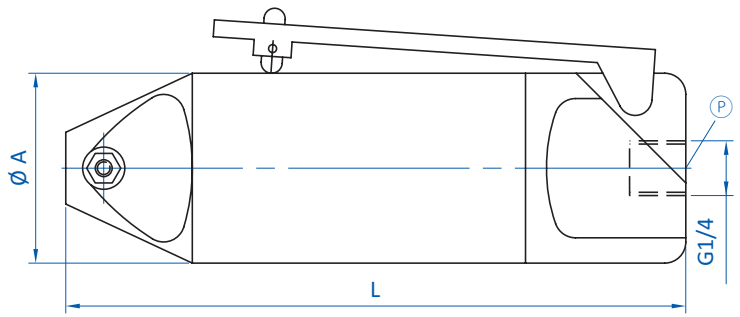
Technical data

Item no.	Max. cutting force [N]	Air consumption [cm³/stroke]	Operating pressure [bar (psi)]	Height blade [mm]	Connection [G]	Weight [g]	Pressure amplifier
GT-N3	294	45	4 - 5 (58 - 72.5)	7	G1/4	100	--
GT-N5	392	64	4 - 5 (58 - 72.5)	7	G1/4	140	--
GT-N7	490	116	4 - 5 (58 - 72.5)	9	G1/4	190	--
GT-N10	588	116	4 - 6 (58 - 87)	9	G1/4	200	P-10L (p.295)
GT-N12	735	116	5 - 6 (72.5 - 87)	12	G1/4	220	P-10L (p.295)
GT-N20	1,372	230	5 - 6 (72.5 - 87)	12	G1/4	430	P-20 (p.295)
GT-N30	2,744	584	5 - 6 (72.5 - 87)	17	G1/4	685	P-30 (p.295)
GT-N50	4,704	1,220	5 - 6 (72.5 - 87)	25.2	G1/4	1,220	P-50 (p.295)

Dimensions

Ø A [mm]	L [mm]
23	112
30	103
34	123
34	132
36	132
45	156
56	193
75	237

Dimensions



Ⓟ = Compressed air connection

Blades for plastic – Series SF-05

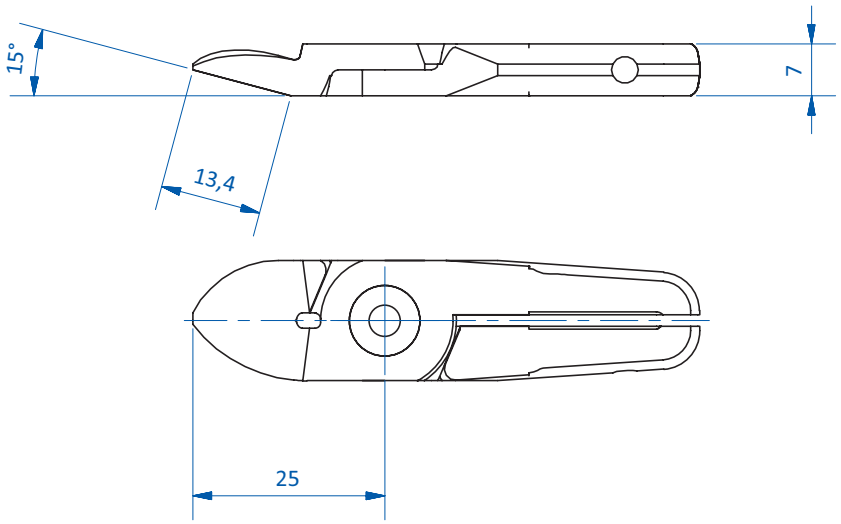
Product notes

> Forged blades from high alloy steel and heat surface treated
> Suitable for all nippers of the size 5

Technical data

Item no.	Plug design	Max. opening width [mm]	Max. sprue diameter [mm]	Material	Weight [g]	Air nippers
SF05.A15.25	15° angle	5	2	Ferrous alloy	34	GT-N5 (p.288) GT-NR5 (p.286) GT-NS5 (p.286)

Dimensions



Blades for plastic – Series SF-10

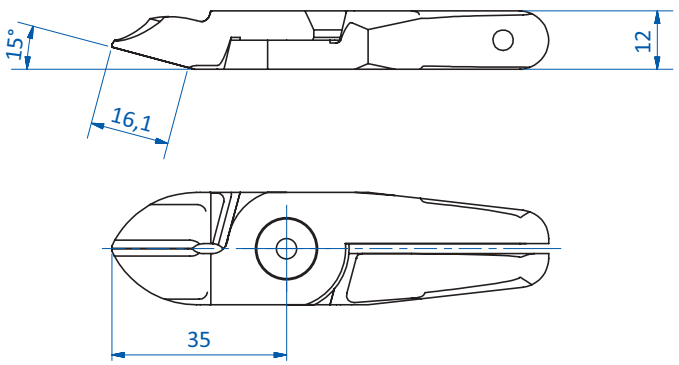
Product notes

> Forged blades from high alloy steel and heat surface treated
> Suitable for all nippers of the size 10

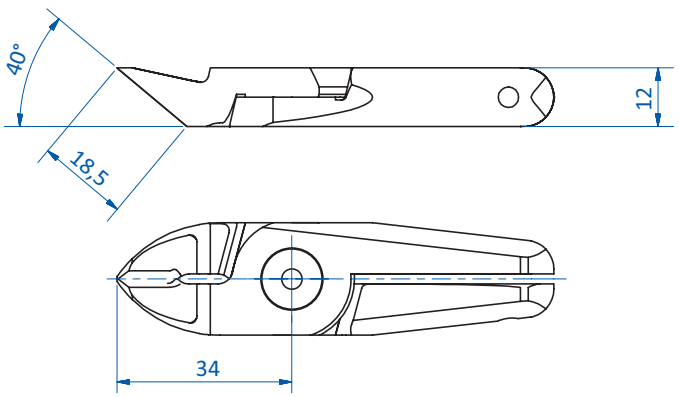
Technical data

Item no.	Plug design	Max. opening width [mm]	Max. sprue diameter [mm]	Material	Weight [g]	Air nippers
SF10.A15.35	15° angle	4.5	3	Ferrous alloy	110	GT-NR10L (p.286) GT-NS10L (p.286)
SF10.A40.34	40° angle	6.5	4	Ferrous alloy	112	GT-NR10L (p.286) GT-NS10L (p.286)

Dimensions



SF10.A15.35



SF10.A40.34

Blades for plastic – Series SF-20

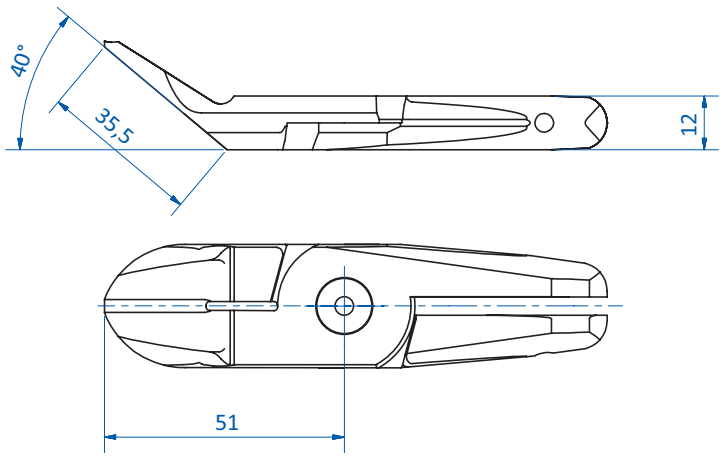
Product notes

> Forged blades from high alloy steel and heat surface treated
> Suitable for all nippers of the size 20

Technical data

Item no.	Plug design	Max. opening width [mm]	Max. sprue diameter [mm]	Material	Weight [g]	Air nippers
SF20.A40.51	40° angle	17	9	Ferrous alloy	170	GT-N20 (p.288), GT-NR20 (p.286), GT-NS20 (p.286)
SF20.A90.41	90° angle	14	8	Ferrous alloy	200	GT-N20 (p.288), GT-NR20 (p.286), GT-NS20 (p.286)
SF20.I36	Inline	11.5	6	Ferrous alloy	120	GT-N20 (p.288), GT-NR20 (p.286), GT-NS20 (p.286)
SF20.I65	Inline	22	8	Ferrous alloy	198	GT-N20 (p.288), GT-NR20 (p.286), GT-NS20 (p.286)
SF20.P48	Perpendicular	16.5	8	Ferrous alloy	178	GT-N20 (p.288), GT-NR20 (p.286), GT-NS20 (p.286)

Dimensions



SF20.A40.51

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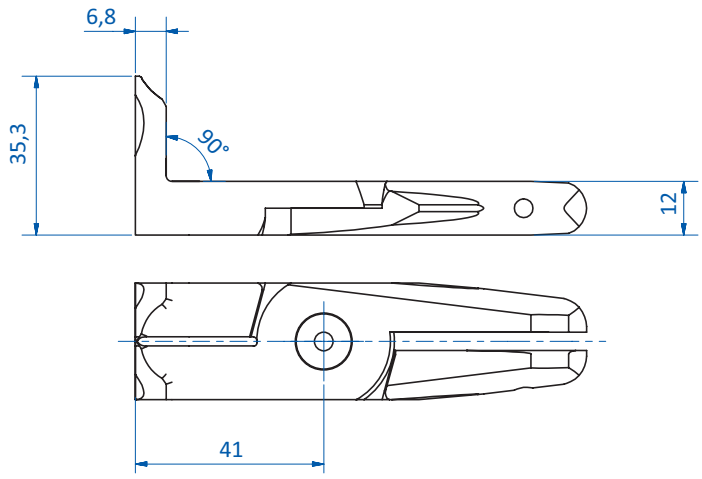
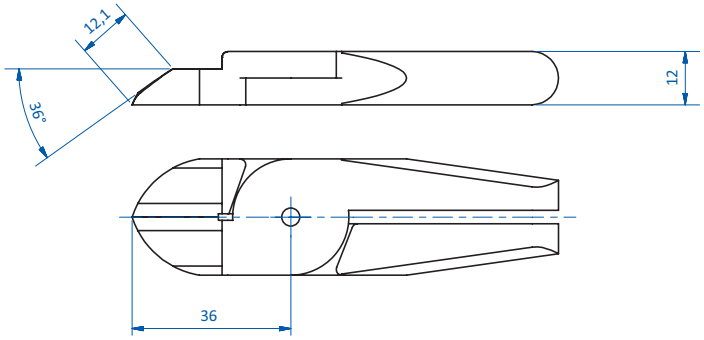
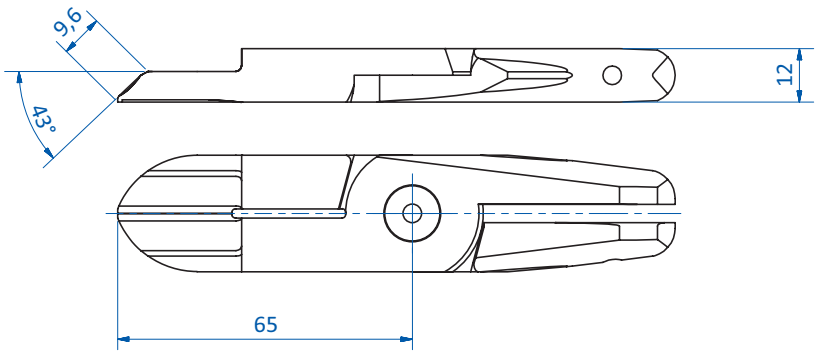
Dimensions



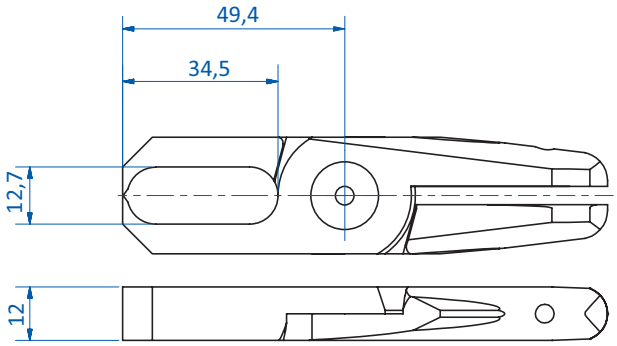
SF20.A90.41



SF20.I36



SF20.I65



SF20.P48

Blades for plastic – Series SF-30

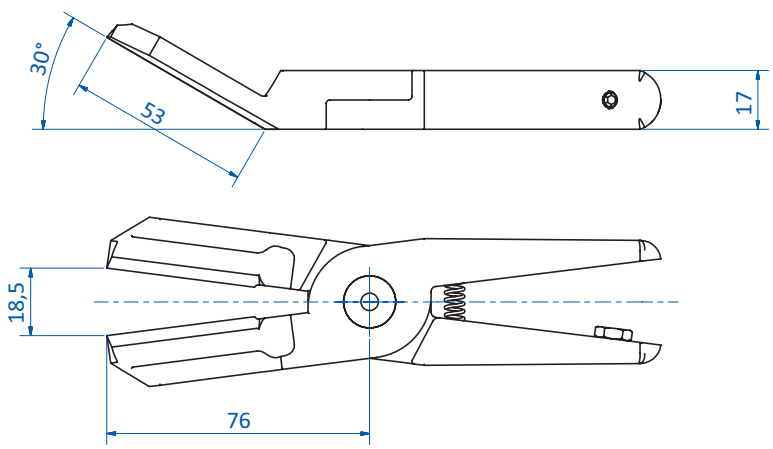
Product notes

> Forged blades from high alloy steel and heat surface treated
> Suitable for all nippers of the size 30

Technical data

Item no.	Plug design	Max. opening width [mm]	Max. sprue diameter [mm]	Material	Weight [g]	Air nippers
SF30.A30.76	30° angle	18.5	9	Ferrous alloy	378	GT-N30 (p.288) GT-NR30 (p.286) GT-NS30 (p.286)
SF30.I53	Inline	12.5	9	Ferrous alloy	365	GT-N30 (p.288) GT-NR30 (p.286) GT-NS30 (p.286)
SF30.I74	Inline	19	9	Ferrous alloy	464	GT-N30 (p.288) GT-NR30 (p.286) GT-NS30 (p.286)
SF30.P45	Perpendicular	10	9	Ferrous alloy	374	GT-N30 (p.288) GT-NR30 (p.286) GT-NS30 (p.286)

Dimensions



SF30.A30.76

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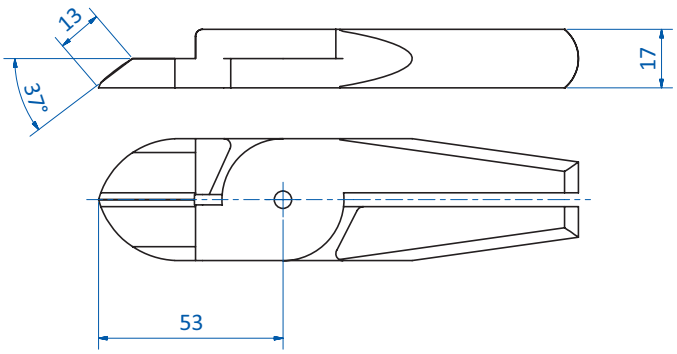
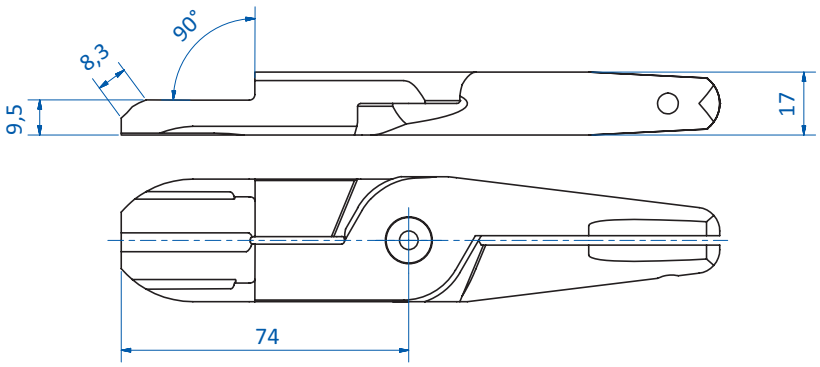
Dimensions



SF30.I53



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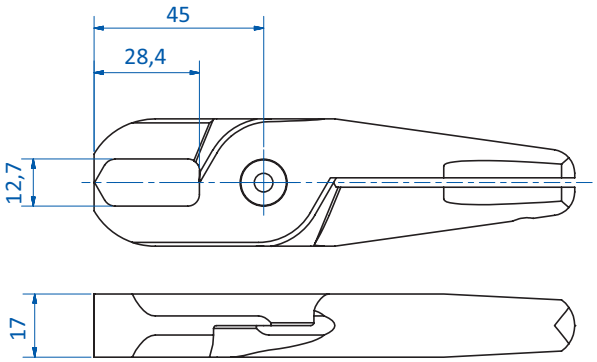


SF30.P45

Pressure booster for air nippers GT-N, GT-NR, GT-NS

Air nippers GT-NS20 with pressure booster

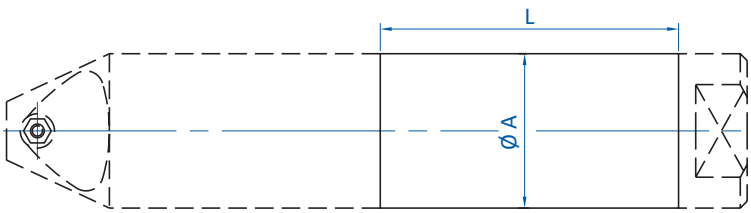
Product notes

> Pressure booster for retrofitting
> Increase in cutting force if the required cutting force cannot be achieved with a standard nipper
> Order example air nipper GT-N20 incl. booster P-20: GT-NP20

Technical data

Item no.	Total cutting force [N]	Air consumption [cm³/stroke]	Weight [g]	Air nippers
P-10L	980	223	110	GT-N10 (p.288) GT-NR10L (p.286) GT-NS10L (p.286) GT-N12 (p.288)
P-20	2,254	508	208	GT-N20 (p.288) GT-NR20 (p.286) GT-NS20 (p.286)
P-30	4,410	956	315	GT-N30 (p.288) GT-NR30 (p.286) GT-NS30 (p.286)
P-50	7,742	2,670	776	GT-N50 (p.288) GT-NR50 (p.286)

Dimensions



Item no.	Ø A [mm]	L [mm]
P-10L	36	71
P-20	45	87
P-30	56	92
P-50	75	133

Blades for plastic, straight

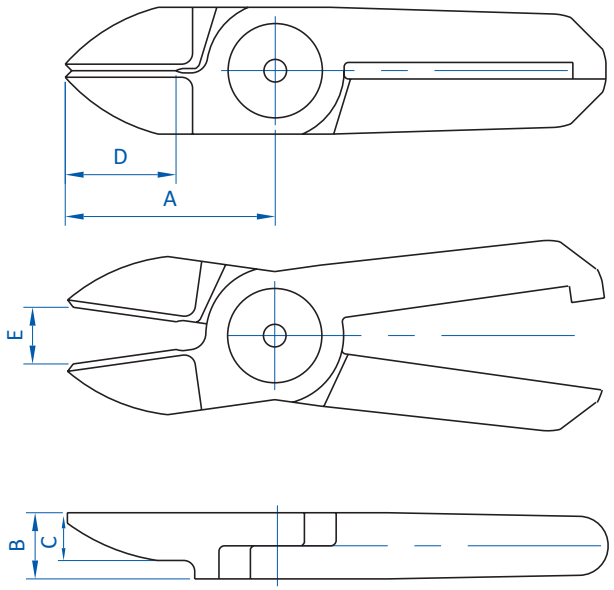
Product notes

> Blades with straight cutting edge for clean cuts
> AJ, LAB2 and AB39: standard blade
> AJL: blade extra long

Technical data

Item no.	Material	Max. cutting thickness [mm]		Weight [g]	Air nippers
		PP/PE	ABS		
N3AJ	Ferrous alloy	2	--	40	GT-N3 (p.288) GT-NR3 (p.286) GT-NS3 (p.286)
N10LAB2	Ferrous alloy	4	2.6	120	GT-NR10L (p.286) GT-NS10L (p.286)
N20AJ	Ferrous alloy	7	5	125	GT-N20 (p.288) GT-NS20 (p.286) GT-NR20 (p.286)
N20AB39	Ferrous alloy	7	5	185	GT-N20 (p.288) GT-NS20 (p.286)
N20AJL	Ferrous alloy	7	5	230	GT-N20 (p.288) GT-NR20 (p.286) GT-NS20 (p.286)
N30AJ	Ferrous alloy	10	6.5	370	GT-N30 (p.288) GT-NR30 (p.286) GT-NS30 (p.286)
N30AJL	Ferrous alloy	10	6.5	470	GT-N30 (p.288) GT-NR30 (p.286) GT-NS30 (p.286)
N50AJL	Ferrous alloy	15	8	1,430	GT-N50 (p.288) GT-NR50 (p.286)

Dimensions



Item no.	**A** [mm]	**B** [mm]	**C** [mm]	**D** [mm]	**E** [mm]
N3AJ	24	7	4	12	5.5
N10LAB2	61	12	7	36	10
N20AJ	35	12	8	18	11
N20AB39	61	12	7	36	14
N20AJL	65	12	7	20	16
N30AJ	52	17	8	28	11
N30AJL	75	17	8	25	19
N50AJL	110	25	15	35	26

Blades for plastic, angled

Model PF

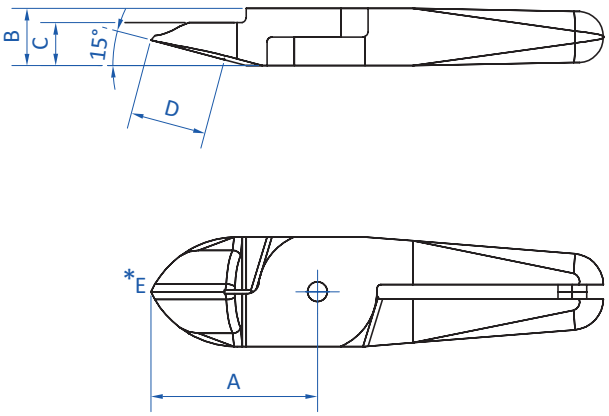
Product notes

> Blades with angled cutting edge
> Model PF: blades with deep angle
> All other blades with standard angle

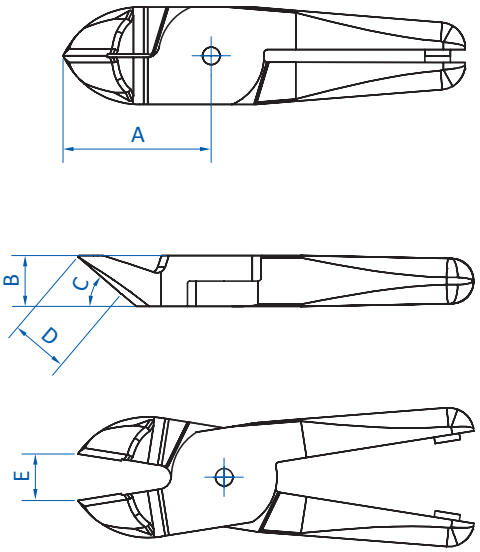
Technical data

Item no.	Material	Max. cutting thickness [mm]		Weight [g]	Air nippers
		PP/PE	ABS		
N3AP	Ferrous alloy	2	--	35	GT-N3 (p.288), GT-NR3 (p.286), GT-NS3 (p.286)
N5AP	Ferrous alloy	2	--	40	GT-N5 (p.288), GT-NR5 (p.286), GT-NS5 (p.286)
N7AP	Ferrous alloy	3	2	80	GT-N7 (p.288), GT-NR7 (p.286), GT-NS7 (p.286)
N7PF	Ferrous alloy	3	2	80	GT-N7 (p.288), GT-NR7 (p.286), GT-NS7 (p.286)
N10AP	Ferrous alloy	4	2.6	85	GT-N10 (p.288)
N10LAB152	Ferrous alloy	4	2.6	165	GT-NR10L (p.286)
N10LAP	Ferrous alloy	4	2.6	120	GT-NR10L (p.286), GT-NS10L (p.286)
N10LPF	Ferrous alloy	4	2.6	120	GT-NR10L (p.286), GT-NS10L (p.286)
N12AP	Ferrous alloy	4.5	4	135	GT-N12 (p.288)
N20AA239	Ferrous alloy	6	4	195	GT-N20 (p.288), GT-NS20 (p.286)
N20AA27	Ferrous alloy	6.5	4.5	145	GT-N20 (p.288), GT-NS20 (p.286)
N20AB360	Ferrous alloy	7	5	185	GT-NS20 (p.286)
N20AP	Ferrous alloy	7	5	125	GT-NS20 (p.286), GT-N20 (p.288), GT-NR20 (p.286)
N20PF	Ferrous alloy	7	5	130	GT-N20 (p.288), GT-NR20 (p.286), GT-NS20 (p.286)
N30AA114	Ferrous alloy	10	6.5	385	GT-N30 (p.288), GT-NR30 (p.286), GT-NS30 (p.286)
N30AP	Ferrous alloy	10	6.5	380	GT-N30 (p.288), GT-NR30 (p.286), GT-NS30 (p.286)
N30PF	Ferrous alloy	10	6.5	390	GT-N30 (p.288), GT-NR30 (p.286), GT-NS30 (p.286)
N50AB	HSS steel	15	8	1,100	GT-N50 (p.288), GT-NR50 (p.286)
N50ABH41	HSS steel	18	8	1,000	GT-N50 (p.288), GT-NR50 (p.286)

Dimensions



N3AP | N5AP | N7AP | N10AP | N10LAP | N12AP | N20AP | N30AP



N7PF | N10LPF | N20PF | N30PF

* = width of opening

Item no.	A [mm]	B [mm]	C [°]	D [mm]	E [mm]
N3AP	24	7	15	11.5	4
N5AP	24	7	15	11.5	4
N7AP	27	9	30	11.5	4
N7PF	27	9	40	10.5	4
N10AP	27	9	30	11.5	5
N10LAB152	61	12	15	35	10
N10LAP	35	12	15	16	5
N10LPF	35	12	40	13.5	5
N12AP	35	12	15	16	5
N20AA239	52.3	12	40	27	14
N20AA27	45	12	23	25	12
N20AB360	61	12	15	35	16
N20AP	35	12	15	16	11
N20PF	35	12	40	13.5	11
N30AA114	76.3	17	30	50	20
N30AP	66	17	15	38	16
N30PF	58	17	30	25	15
N50AB	90	25	30	29	21
N50ABH41	119.6	25	30	40	29

Blades for plastic, laterally facing

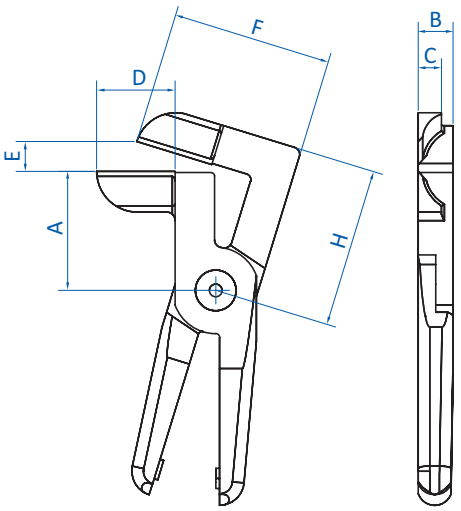
Product notes

> Blades with 90° bend cutting edge for sprues in restricted spaces, e.g. sprues of two opposing parts
> AML: blade with left orientation
> AMR: blade with right orientation

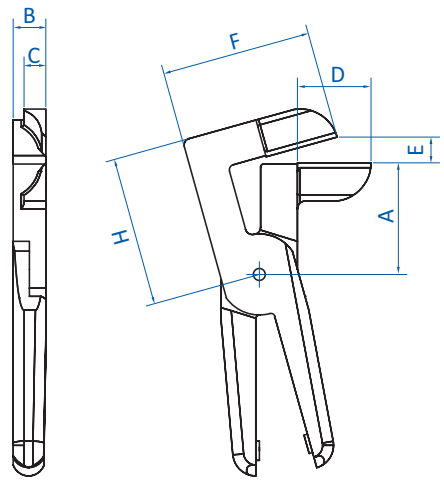
Technical data

Item no.	Material	Max. cutting thickness [mm] PP/PE	Max. cutting thickness [mm] ABS	Weight [g]	Air nippers
N20AML	Ferrous alloy	10x1.5	8x1	270	GT-N20 (p.288), GT-NR20 (p.286), GT-NS20 (p.286)
N20AMR	Ferrous alloy	10x1.5	8x1	270	GT-NR20 (p.286), GT-NS20 (p.286), GT-N20 (p.288)
N30AML	Ferrous alloy	15x2	10x1.5	520	GT-N30 (p.288), GT-NR30 (p.286), GT-NS30 (p.286)
N30AMR	Ferrous alloy	15x2	10x1.5	520	GT-N30 (p.288), GT-NR30 (p.286), GT-NS30 (p.286)

Dimensions



N20AML | N30AML



N20AMR | N30AMR

Item no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H [mm]
N20AML	41	12	8	27	9.5	55	55
N20AMR	41	12	8	27	9.5	55	55
N30AML	39	17	10	36	13	68	55
N30AMR	39	17	10	36	13	68	55

Blades for plastic, L-shape

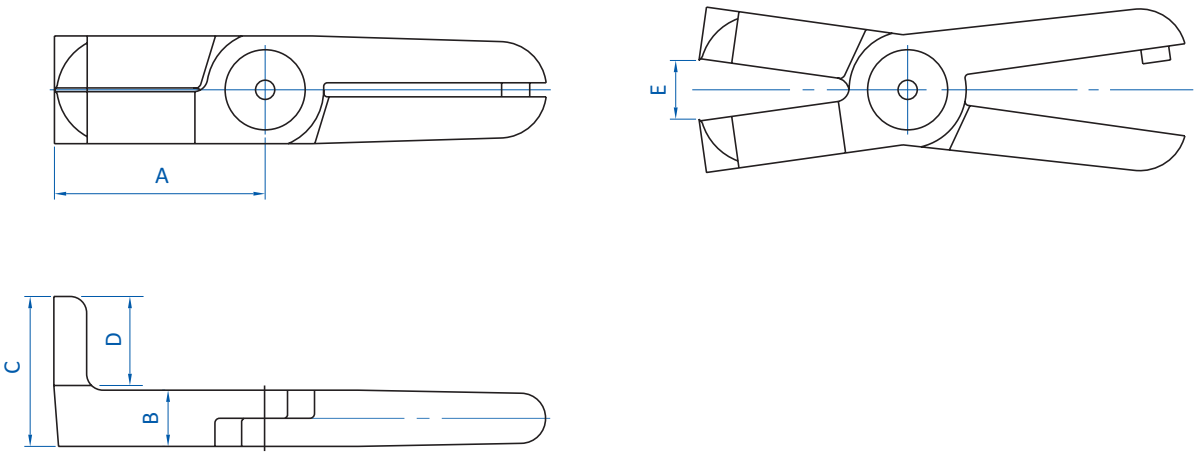
Product notes

> Long blades with 90° angle for clean cuts

Technical data

Item no.	Material	Max. cutting thickness [mm]		Weight [g]	Air nippers
		PP/PE	ABS		
N20AL	Ferrous alloy	7	5	135	GT-N20 (p.288) GT-NR20 (p.286) GT-NS20 (p.286)
N30AL525	Ferrous alloy	10	6.5	395	GT-N30 (p.288) GT-NR30 (p.286) GT-NS30 (p.286)

Dimensions



Item no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
N20AL	45	12	32	18	12
N30AL525	60	26	62	36	16

Singular blades for plastic, Z-shape

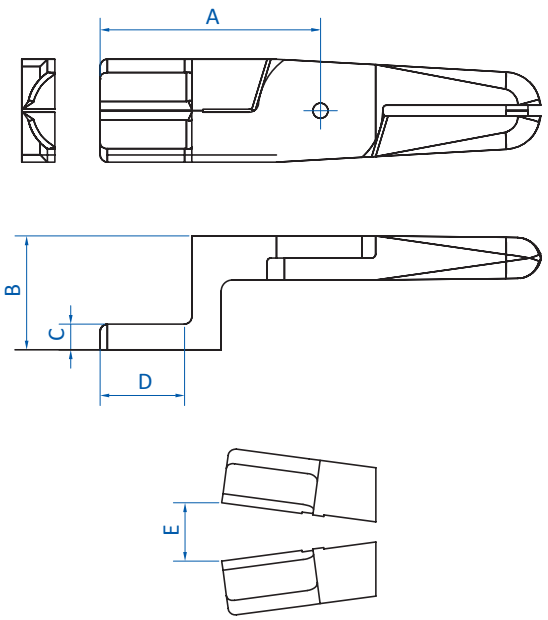
Product notes

> Blades with offset cutting edge for overcoming obstacles or for narrow sprues

Technical data

Item no.	Material	Max. cutting thickness [mm]		Weight [g]	Air nippers
		PP/PE	ABS		
N20AH	Ferrous alloy	7	5	240	GT-N20 (p.288) GT-NR20 (p.286) GT-NS20 (p.286)
N30AH	Ferrous alloy	10	6.5	450	GT-N30 (p.288) GT-NR30 (p.286) GT-NS30 (p.286)

Dimensions



Item no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
N20AH	60	31	7	23	16
N30AH	80	65	8	34	22

Blades for plastic, nipper style

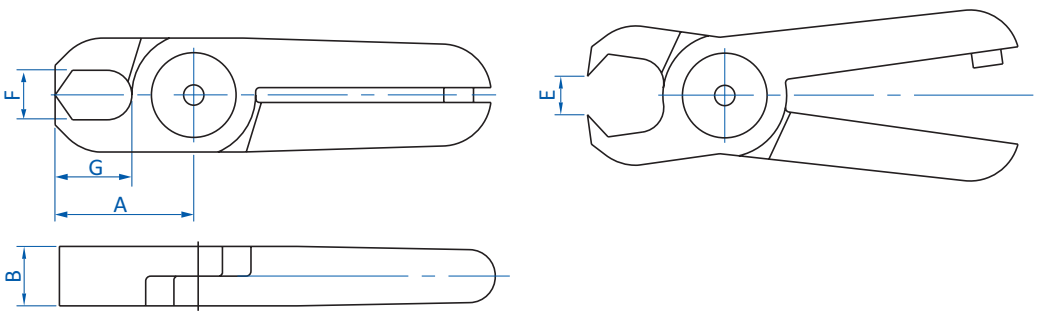
Product notes

> Blades, nipper style, for cutting applications

Technical data

Item no.	Material	Max. cutting thickness [mm]		Weight [g]	Air nippers
		PP/PE	ABS		
N3AE	Ferrous alloy	2	--	35	GT-N3 (p.288), GT-NR3 (p.286), GT-NS3 (p.286)
N5AE	Ferrous alloy	2	--	40	GT-N5 (p.288), GT-NR5 (p.286), GT-NS5 (p.286)
N7AE	Ferrous alloy	3	2	85	GT-N7 (p.288), GT-NR7 (p.286), GT-NS7 (p.286)
N10AE	Ferrous alloy	4	2.6	120	GT-N10 (p.288), GT-NR10L (p.286), GT-NS10L (p.286)
N20AE	Ferrous alloy	7	5	135	GT-N20 (p.288), GT-NR20 (p.286), GT-NS20 (p.286)
N30AE	Ferrous alloy	10	6.5	395	GT-N30 (p.288), GT-NR30 (p.286), GT-NS30 (p.286)
N50AE	Ferrous alloy	12	6.5	1,000	GT-N50 (p.288), GT-NR50 (p.286)

Dimensions



Item no.	A [mm]	B [mm]	F x G [mm]	E [mm]
N3AE	20	7	6x6.6	3.5
N5AE	20	7	6x6.6	3.5
N7AE	26	9	8x8.8	4
N10AE	26	9	8x15.5	10
N20AE	28	12	10x15.5	8
N30AE	45	17	13x28	12
N50AE	128	25	25x90	30

Blades for metal, straight

Model BJ

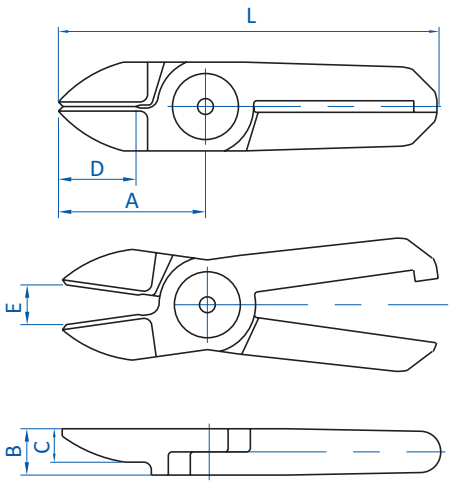
Product notes

> Straight blades with one unbeveled cutting edge using the anvil principle or with carbide tips for extra strength
> BJ: blades using anvil principle to cut thin wire
> N20BFB and N50AS: blades in clipper type shape with carbide tips to cut thicker wire or thin pipes

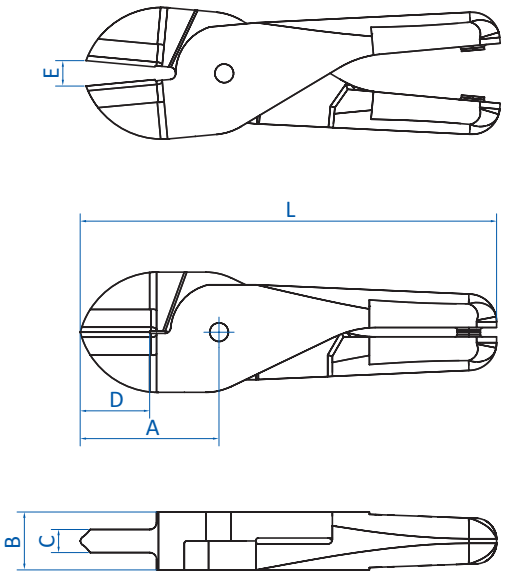
Technical data

Item no.	Material	Max. cutting thickness [mm]			Weight [g]	Air nippers
		Copper wire	Steel wire	Piano wire		
N3BJ	Ferrous alloy	1	0.5	--	35	GT-N3 (p.288) GT-NR3 (p.286) GT-NS3 (p.286)
N5BJ	Ferrous alloy	1	0.5	--	40	GT-N5 (p.288) GT-NR5 (p.286) GT-NS5 (p.286)
N7BJ	Ferrous alloy	1.6	1	--	75	GT-N7 (p.288) GT-NR7 (p.286) GT-NS7 (p.286)
N20BFB	Sintered alloy	2.6	2	1.2	150	GT-N20 (p.288) GT-NR20 (p.286) GT-NS20 (p.286)
N50AS	Ferrous alloy	5.5	4.5	--	950	GT-N50 (p.288) GT-NR50 (p.286)

Dimensions



N3BJ | N5BJ | N7BJ



N20BFB | N50AS

Item no.	**A** [mm]	**B** [mm]	**C** [mm]	**D** [mm]	**E** [mm]	**L** [mm]
N3BJ	24	7	5.8	13	5	64
N5BJ	24	7	5.8	13	4	64
N7BJ	27	9	7.5	13	5	81
N20BFB	35	12	5	17	8	95
N50AS	60	25	10	30	11	180

Blades for metal, angled

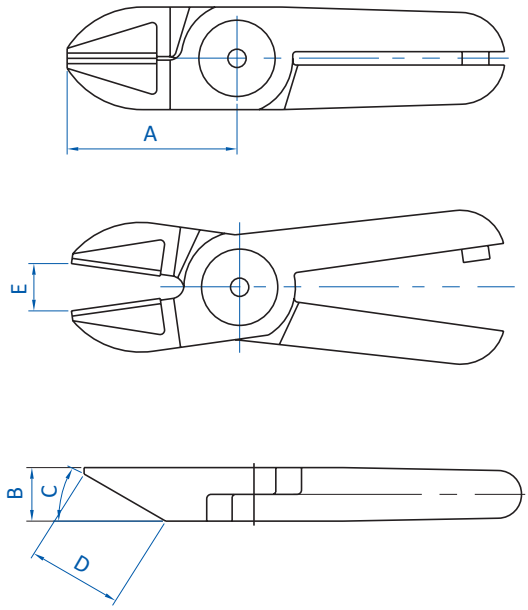
Product notes

> Blades with a beveled cutting edge using the anvil principle
> N30BBB and N50BBB: blades with carbide tips to cut hard wire such as high steel wire or piano wire

Technical data

Item no.	Material	Max. cutting thickness [mm]			Weight [g]	Air nippers
		Copper wire	Steel wire	Piano wire		
N3AS	Ferrous alloy	1	0.5	--	35	GT-N3 (p.288), GT-NR3 (p.286), GT-NS3 (p.286)
N3HS	HSS steel	1	0.5	0.2	35	GT-N3 (p.288), GT-NR3 (p.286), GT-NS3 (p.286)
N5AS	Ferrous alloy	1	0.5	--	40	GT-N5 (p.288), GT-NR5 (p.286), GT-NS5 (p.286)
N5HS	HSS steel	1	0.5	0.3	40	GT-N5 (p.288), GT-NR5 (p.286), GT-NS5 (p.286)
N7AS	Ferrous alloy	1.6	1	--	80	GT-N7 (p.288), GT-NR7 (p.286), GT-NS7 (p.286)
N7HS	HSS steel	1.6	1	0.5	80	GT-N7 (p.288), GT-NR7 (p.286), GT-NS7 (p.286)
N10AS	Ferrous alloy	1.8	1.2	--	85	GT-N10 (p.288)
N10HS	HSS steel	2.3	1.7	--	85	GT-N10 (p.288)
N10LAS	Ferrous alloy	1.8	1.2	--	120	GT-NR10L (p.286), GT-NS10L (p.286)
N12AS	Ferrous alloy	2.3	1.7	--	135	GT-N12 (p.288)
N12HS	HSS steel	1.3	2.7	--	95	GT-N12 (p.288)
N20AS	Ferrous alloy	2.6	2	--	140	GT-N20 (p.288), GT-NR20 (p.286), GT-NS20 (p.286)
N20HS	HSS steel	2.6	2	1	135	GT-N20 (p.288), GT-NR20 (p.286), GT-NS20 (p.286)
N30AS	Ferrous alloy	3.3	2.8	--	370	GT-N30 (p.288), GT-NR30 (p.286), GT-NS30 (p.286)
N30BBB	Sintered alloy	3.3	2.8	1.2	365	GT-N30 (p.288), GT-NR30 (p.286), GT-NS30 (p.286)
N50BBB	Sintered alloy	5.5	4.5	2	955	GT-N50 (p.288), GT-NR50 (p.286)

Dimensions



Item no.	A [mm]	B [mm]	C [°]	D [mm]	E [mm]
N3AS	24	7	25	12	4
N3HS	24	7	25	12	4
N5AS	24	7	25	12	4
N5HS	24	7	25	12	4
N7AS	27	9	30	13.5	4
N7HS	27	9	30	13.5	4
N10AS	27	9	30	13.5	5
N10HS	27	9	30	13.5	5
N10LAS	35	12	30	20	5
N12AS	35	12	30	20	5
N12HS	35	12	30	20	9
N20AS	35	12	30	20	9
N20HS	26	12	40	10	7
N30AS	43	17	30	25	9
N30BBB	36	17	40	18	7
N50BBB	46	25	35	19	9

Stationary air nippers – horizontal without stroke

AIR NIPPERS FOR PLASTIC AND METAL

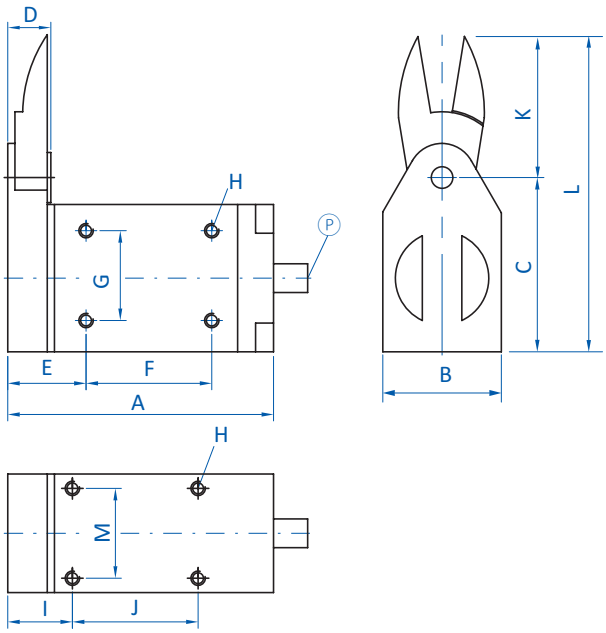
Product notes

> Nippers, lightweight and compact, for easy installation in restricted spaces
> To be used with cutting stations or automated equipment
> Mounting holes at three sides
> Max. blade opening and nipper length "K" refer to blades with index "AJ" resp. "RAJ"
> Blades are not included in the scope of delivery. Please order separately.

Technical data

Item no.	Max. cutting force [N]	Air consumption [cm³/stroke]	Operating pressure [bar (psi)]	Max. opening for cutting [mm]	Pipe connection [mm]	Weight [g]
GT-NF05	343	43	4 - 5 (58 - 72.5)	4	4	101
GT-NF10	490	63	4 - 5 (58 - 72.5)	6	4	143
GT-NF15	784	128	4 - 5 (58 - 72.5)	8	4	219

Dimensions



Ⓟ = Compressed air connection 4 mm x 2.5 mm

Item no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H	I [mm]	J [mm]	K [mm]	L [mm]	M [mm]
GT-NF05	59.9	23	39.5	8.6	25.9	17	26	M3	21.9	17	22	61.5	18
GT-NF10	65.1	28	43.5	8.8	27.1	20	30	M3.5	23.1	20	24	67.5	22
GT-NF15	73	33	48.5	10.2	29	25	34	M4	25	25	27	75.5	26

Stationary air nippers – horizontal with stroke

Product notes

> Nippers, lightweight and compact, for easy assembly in restricted spaces
> To be used with cutting stations or automated equipment
> Stroke single-acting with return spring
> Horizontal, adjustable stroke enables cutting flush to the workpiece
> Connection via hose nipples or quick fittings
> Version (-R): push stroke models
> All others: pull stroke models
> Max. opening width and length "K" refer to blades with index "AJ" or "RAJ"
> Blades are not included in the scope of delivery. Please order separately.

Technical data

Item no.	Max. cutting force [N]	Air consumption [cm³/stroke]	Max. stroke [mm]	Operating pressure [bar (psi)]	Pipe connection with hose nipple [mm]	Pipe connection with quick connect fittings [mm]	Weight [g]
GT-NY05	343	48	3	4 - 5 (58 - 72.5)	2.5	--	155
GT-NY05R	343	48	3	4 - 5 (58 - 72.5)	2.5	--	155
GT-NY05-4	343	48	3	4 - 5 (58 - 72.5)	--	4x2,5	155
GT-NY05R-4	343	48	3	4 - 5 (58 - 72.5)	--	4x2,5	155
GT-NY10	490	68	3	4 - 5 (58 - 72.5)	2.5	--	210
GT-NY10R	490	68	3	4 - 5 (58 - 72.5)	2.5	--	210
GT-NY10-4	490	68	3	4 - 5 (58 - 72.5)	--	4x2,5	210
GT-NY10R-4	490	68	3	4 - 5 (58 - 72.5)	--	4x2,5	210
GT-NY15	784	136	3	4 - 5 (58 - 72.5)	2.5	--	319
GT-NY15R	784	136	3	4 - 5 (58 - 72.5)	2.5	--	319
GT-NY15-4	784	136	3	4 - 5 (58 - 72.5)	--	4x2,5	319
GT-NY15R-4	784	136	3	4 - 5 (58 - 72.5)	--	4x2,5	319
GT-NY25	980	184	5	5 - 6 (72.5 - 87)	4	--	580
GT-NY25R	980	184	5	5 - 6 (72.5 - 87)	4	--	580
GT-NY25-6	980	184	5	5 - 6 (72.5 - 87)	--	6x4	580
GT-NY25R-6	980	184	5	5 - 6 (72.5 - 87)	--	6x4	580

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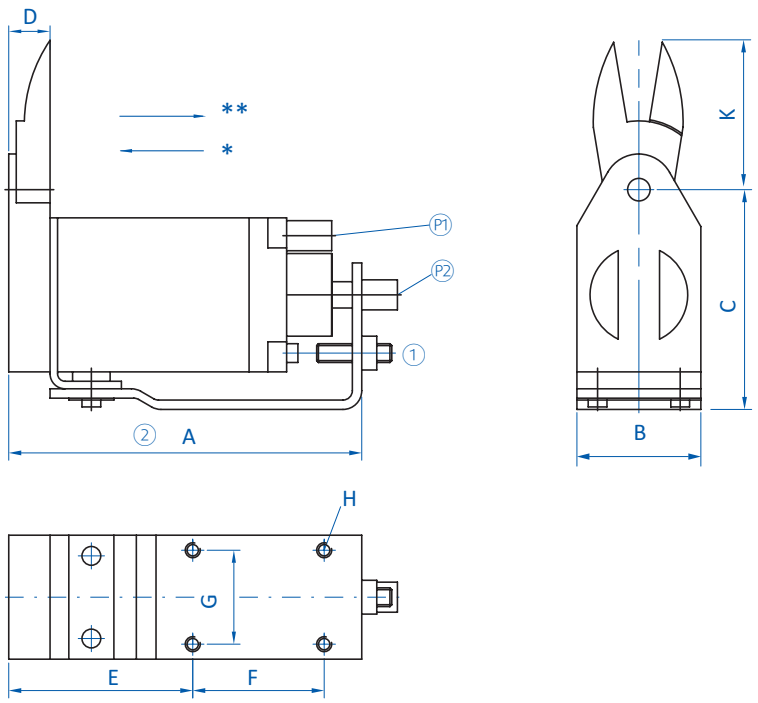
Dimensions



P1 = Compressed air connection for cutting P2 = Compressed air connection for stroke * = Push stroke (Version -R) ** = Pull stroke
1 = Stroke adjustment
2 = Models NY: A = Distance from start of nipper to cutting position / Models NY-R: A = Distance from start of nipper to starting position

Item no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H	K [mm]
GT-NY05	75.9	23	48	8.6	41	25	15	M4	22
GT-NY05R	75.9	23	48	8.6	41	25	15	M4	22
GT-NY05-4	75.9	23	48	8.6	41	25	15	M4	22
GT-NY05R-4	75.9	23	48	8.6	41	25	15	M4	22
GT-NY10	82.1	28	52	8.8	42	30	20	M4	24
GT-NY10R	82.1	28	52	8.8	42	30	20	M4	24
GT-NY10-4	82.1	28	52	8.8	42	30	20	M4	24
GT-NY10R-4	82.1	28	52	8.8	42	30	20	M4	24
GT-NY15	93	33	58	10	48	35	25	M4	27
GT-NY15R	93	33	58	10	48	35	25	M4	27
GT-NY15-4	93	33	58	10	48	35	25	M4	27
GT-NY15R-4	93	33	58	10	48	35	25	M4	27
GT-NY25	109	42	69	13	55	40	30	M5	31
GT-NY25R	109	42	69	13	55	40	30	M5	31
GT-NY25-6	109	42	69	13	55	40	30	M5	31
GT-NY25R-6	109	42	69	13	55	40	30	M5	31

Blades for plastic, straight

Product notes

> Straight blades that can be applied at the right angle to the gate
> Models with a variety of cutting edges to cover different applications
> AJ: standard blade
> RAJ: reverse cutting edge if cutting flush to workpiece with blade "AJ" is not possible
> AJT: blade extra thin
> AJL: blade extra long to overcome distance between sprue and nipper
> AJB:
- Soldered carbide tips for cutting hard plastics or plastics containing fiberglass
- Higher lifetime in demanding applications

Technical data

Item no.	Material	Max. cutting thickness [mm]		Weight [g]	Air nippers
		PP/PE	ABS		
NY05AJ	Ferrous alloy	3	2	22	GT-NF05 (p.308), GT-NY05 (p.309), GT-NY05-4 (p.309)
NY05AJB	Ferrous alloy	3	2	22	GT-NF05 (p.308), GT-NY05 (p.309), GT-NY05-4 (p.309)
NY05AJL	Ferrous alloy	3	2	29	GT-NF05 (p.308), GT-NY05 (p.309), GT-NY05-4 (p.309)
NY05AJT	Ferrous alloy	3	2	21	GT-NF05 (p.308), GT-NY05 (p.309), GT-NY05-4 (p.309)
NY05RAJ	Ferrous alloy	3	2	22	GT-NF05 (p.308), GT-NY05-4 (p.309), GT-NY05R (p.309), GT-NY05R-4 (p.309)
NY10AJ	Ferrous alloy	3.5	2.3	28	GT-NF10 (p.308), GT-NY10 (p.309), GT-NY10-4 (p.309)
NY10AJB	Sintered alloy	3.5	2.3	28	GT-NF10 (p.308), GT-NY10-4 (p.309), GT-NY10R (p.309)
NY10AJL	Ferrous alloy	3.5	2.3	37	GT-NF10 (p.308), GT-NY10 (p.309), GT-NY10-4 (p.309)
NY10AJT	Ferrous alloy	3.5	2.3	26	GT-NF10 (p.308), GT-NY10 (p.309), GT-NY10-4 (p.309)
NY10RAJ	Ferrous alloy	3.5	2.3	28	GT-NF10 (p.308), GT-NY10R (p.309), GT-NY10R-4 (p.309)
NY15AJ	Ferrous alloy	4	2.6	41	GT-NF15 (p.308), GT-NY15 (p.309), GT-NY15-4 (p.309)
NY15AJB	Sintered alloy	4	2.6	41	GT-NF15 (p.308), GT-NY15-4 (p.309), GT-NY15R (p.309)
NY15AJL	Ferrous alloy	4	2.6	50	GT-NF15 (p.308), GT-NY15 (p.309), GT-NY15-4 (p.309)
NY15RAJ	Ferrous alloy	4	2.6	41	GT-NF15 (p.308), GT-NY15R (p.309), GT-NY15R-4 (p.309)
NY15AJT	Ferrous alloy	4	2.6	38	GT-NF15 (p.308), GT-NY15 (p.309), GT-NY15R-4 (p.309)
NY25AJ	Ferrous alloy	5	3.4	77	GT-NY25 (p.309), GT-NY25-6 (p.309)
NY25RAJ	Ferrous alloy	5	3.4	77	GT-NY25 (p.309), GT-NY25R-6 (p.309)
NY25AJB	Sintered alloy	5	3.4	77	GT-NY25 (p.309), GT-NY25R-6 (p.309)
NY25AJL	Ferrous alloy	5	3.4	88	GT-NY25 (p.309), GT-NY25-6 (p.309)

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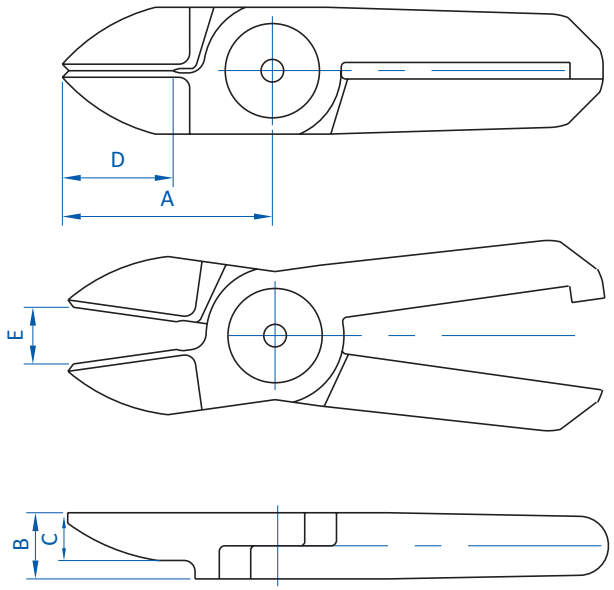
Dimensions



Item no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
NY05AJ	22	7	5	10.5	4
NY05AJB	22	7	5	10.5	4
NY05AJL	31	7	5	10.5	5.5
NY05AJT	22	7	3	10.5	4
NY05RAJ	22	7	5	10.5	4
NY10AJ	24	7.2	5	12	6
NY10AJB	24	7.2	5	12	6
NY10AJL	33	7.2	5	12	8
NY10AJT	24	7.2	3	12	6
NY10RAJ	24	7.2	5	12	6
NY15AJ	27	8.2	5.5	13	8
NY15AJB	27	8.2	5.5	13	8
NY15AJL	38	8.2	5.5	13	11
NY15RAJ	27	8.2	5.5	13	8
NY15AJT	27	8.2	3.5	13	8
NY25AJ	31	10	6	16	9
NY25RAJ	31	10	6	16	9
NY25AJB	31	10	6	16	9
NY25AJL	46	10	6	16	13

Blades for plastic, Z-shape

Product notes

> Blades with offset cutting edge for overcoming obstacles or for narrow sprues
> AH: standard blade
> RAH: reverse cutting edge if cutting flush to workpiece with blade "AH" is not possible

Technical data

Item no.	Material	Max. cutting thickness [mm]		Weight [g]	Air nippers
		PP/PE	ABS		
NY05AH	Ferrous alloy	3	2	37	GT-NF05 (p.308) GT-NY05-4 (p.309) GT-NY05 (p.309)
NY05RAH	Ferrous alloy	3	2	31	GT-NF05 (p.308) GT-NY05R-4 (p.309) GT-NY05R (p.309)
NY10AH	Ferrous alloy	3.5	2.3	43	GT-NF10 (p.308) GT-NY10-4 (p.309) GT-NY10 (p.309)
NY10RAH	Ferrous alloy	3.5	2.3	40	GT-NF10 (p.308) GT-NY10R (p.309) GT-NY10R-4 (p.309)
NY15AH	Ferrous alloy	4	2.6	76	GT-NF15 (p.308) GT-NY15-4 (p.309) GT-NY15 (p.309)
NY15RAH	Ferrous alloy	4	2.6	52	GT-NF15 (p.308) GT-NY15R-4 (p.309) GT-NY15R (p.309)
NY25AH	Ferrous alloy	5	3.4	110	GT-NY25 (p.309) GT-NY25-6 (p.309)
NY25RAH	Ferrous alloy	5	3.4	89	GT-NY25 (p.309) GT-NY25R (p.309) GT-NY25R-6 (p.309)

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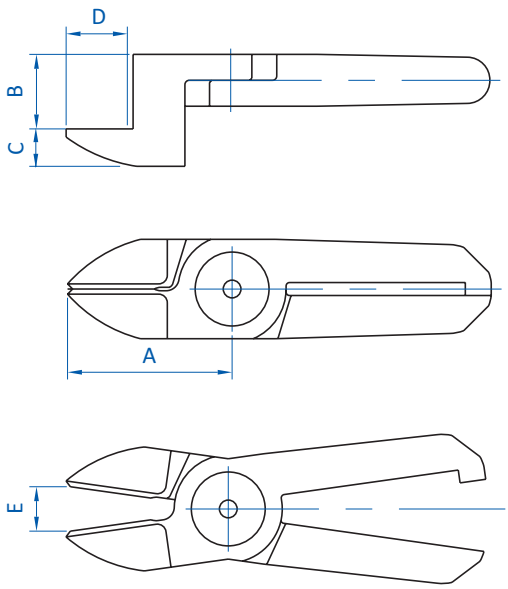
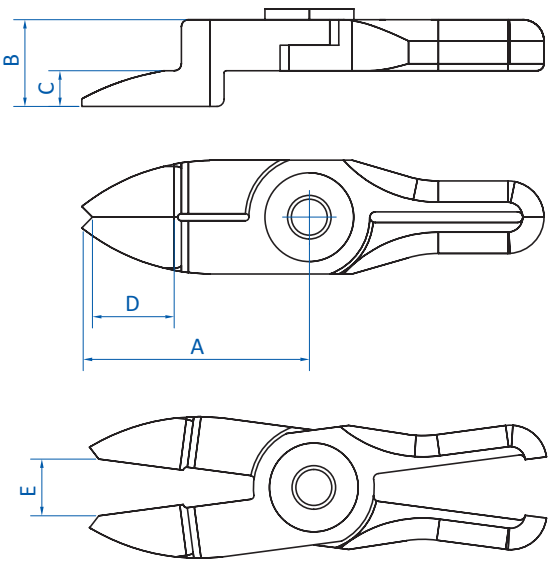
Dimensions



NY05AH | NY10AH | NY15AH | NY25AH



NY05RAH | NY10RAH | NY15RAH | NY25RAH

Item no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
NY05AH	31	14	5	13	5.5
NY05RAH	30	7	5	12	5
NY10AH	33	15	5	15	8
NY10RAH	32	7	5	15	7
NY15AH	38	16	5.5	16	11
NY15RAH	35	7.7	5.5	15	9
NY25AH	46	18	6	19	13
NY25RAH	42	10	5	18	12

Blades for metal wire, straight

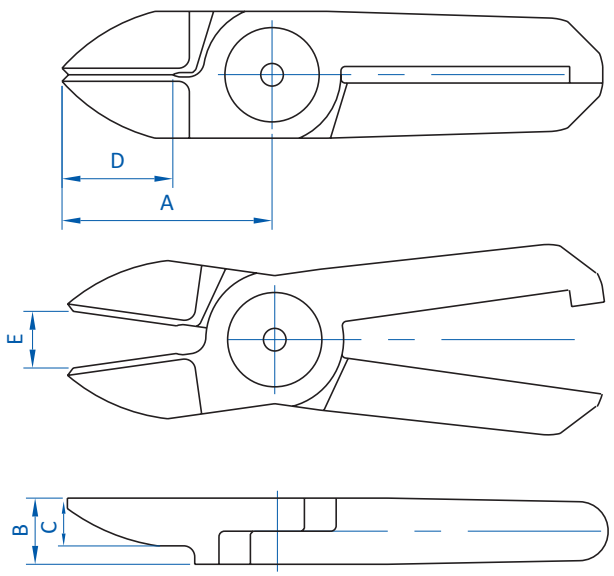
Product notes

> Straight blades that can be applied at the right angle to the gate
> Blades for cutting metal, unbeveled cutting edge using the anvil principle
> BJ: standard blade
> RBJ: reverse cutting edge, if cutting flush to workpiece with blade "BJ" is not possible

Technical data

Item no.	Material	Max. cutting thickness [mm]		Weight [g]	Air nippers
		Copper wire	Steel wire		
NY05BJ	Ferrous alloy	1.6	1	22	GT-NF05 (p.308) GT-NY05-4 (p.309) GT-NY05 (p.309)
NY05RBJ	Ferrous alloy	1.6	1	22	GT-NF05 (p.308) GT-NY05R (p.309) GT-NY05R-4 (p.309)

Dimensions



Item no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
NY05BJ	22	7	5	9	3.5
NY05RBJ	22	7	5	10.5	4

Nippers for plastics – vertical, with stroke

ADJUSTABLE BLADE OPENING AND REVERSABLE BLADES

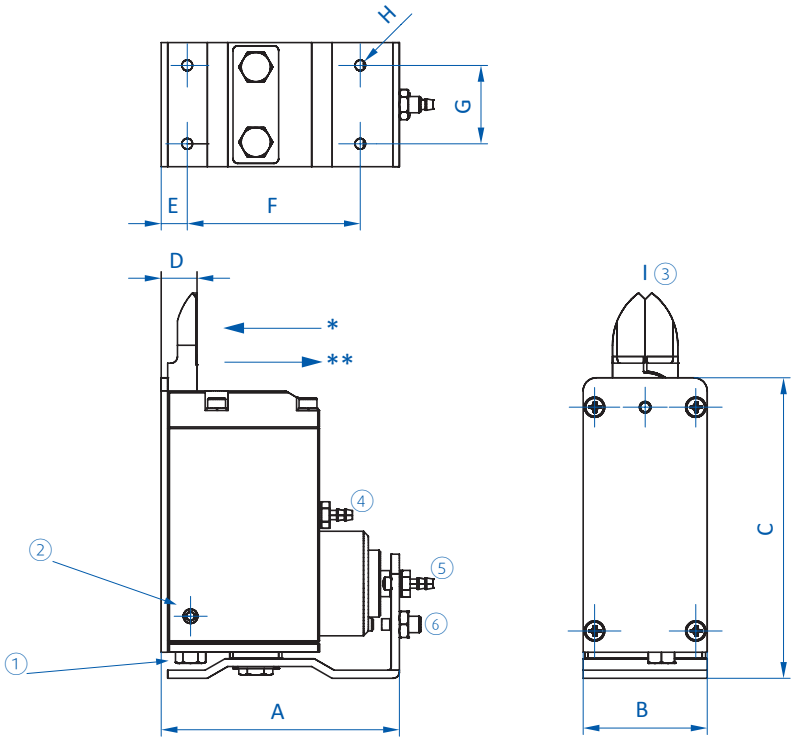
Product notes

> Nippers, lightweight and compact, for easy assembly in confined spaces
> To be used in cutting stations
> Adjustable horizontal stroke and maximum blade opening
> Blades can be reversed to enable cutting flush to the workpiece
> Max. opening width "I" refers to blades with index "AJ"
> Blades are not included in the scope of delivery. Please order separately.

Technical data

Item no.	Max. cutting force [N]	Air consumption [cm³/stroke]	Max. opening for cutting [mm]	Stroke [mm]	Effective direction	Operating pressure [bar (psi)]	Pipe connection with hose nipple [mm]	Pipe connection with quick connect fittings [mm]	Weight [g]
GT-NT03	147	27	1.5 - 3	0 - 3	Pull	4 - 5 (58 - 72.5)	2.5	--	178
GT-NT03R	147	27	1.5 - 3	0 - 3	Push	4 - 5 (58 - 72.5)	2.5	--	178
GT-NT03-4	147	27	1.5 - 3	0 - 3	Pull	4 - 5 (58 - 72.5)	--	4x2,5	178
GT-NT03R-4	147	27	1.5 - 3	0 - 3	Push	4 - 5 (58 - 72.5)	--	4x2,5	178
GT-NT05	196	47	3 - 6	0 - 3	Pull	4 - 5 (58 - 72.5)	2.5	--	325
GT-NT05R	196	47	3 - 6	0 - 3	Push	4 - 5 (58 - 72.5)	2.5	--	325
GT-NT05-4	196	47	3 - 6	0 - 3	Pull	4 - 5 (58 - 72.5)	--	4x2,5	325
GT-NT05R-4	196	47	3 - 6	0 - 3	Push	4 - 5 (58 - 72.5)	--	4x2,5	325
GT-NT10	441	82	4 - 7	0 - 3	Pull	4 - 5 (58 - 72.5)	2.5	--	515
GT-NT10R	441	82	4 - 7	0 - 3	Push	4 - 5 (58 - 72.5)	2.5	--	515
GT-NT10-6	441	82	4 - 7	0 - 3	Pull	4 - 5 (58 - 72.5)	--	6x4	515
GT-NT10R-6	441	82	4 - 7	0 - 3	Push	4 - 5 (58 - 72.5)	--	6x4	515
GT-NT20	931	203	4.5 - 9	0 - 8	Pull	5 - 6 (72.5 - 87)	4	--	930
GT-NT20R	931	203	4.5 - 9	0 - 8	Push	5 - 6 (72.5 - 87)	4	--	930
GT-NT20-6	931	203	4.5 - 9	0 - 8	Pull	5 - 6 (72.5 - 87)	--	6x4	930
GT-NT20R-6	931	203	4.5 - 9	0 - 8	Push	5 - 6 (72.5 - 87)	--	6x4	930

Dimensions



* = Push stroke ** = Pull stroke (Version -R) ① = Blade opening adjustment ② = Locking ③ = Max. blade opening ④ = Connection air nipper ⑤ = Connection stroke movement ⑥ = Stroke adjustment

Item no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H	I [mm]
GT-NT03	62	19	68.1	9	7	43	14	M3	3
GT-NT03R	62	19	68.1	9	7	43	14	M3	3
GT-NT03-4	62	19	68.1	9	7	43	14	M3	3
GT-NT03R-4	62	19	68.1	9	7	43	14	M3	3
GT-NT05	64	32	71.1	9	7	45	20	M4	6
GT-NT05R	64	32	71.1	9	7	45	20	M4	6
GT-NT05-4	64	32	71.1	9	7	45	20	M4	6
GT-NT05R-4	64	32	71.1	9	7	45	20	M4	6
GT-NT10	73	38	88.1	11	8	52	24	M4	7
GT-NT10R	73	38	88.1	11	8	52	24	M4	7
GT-NT10-6	73	38	88.1	11	8	52	24	M4	7
GT-NT10R-6	73	38	88.1	11	8	52	24	M4	7
GT-NT20	103	44	102.1	14	10	80	28	M5	9
GT-NT20R	103	44	102.1	14	10	80	28	M5	9
GT-NT20-6	103	44	102.1	14	10	80	28	M5	9
GT-NT20R-6	103	44	102.1	14	10	80	28	M5	9

Blades for plastic, for vertical air nippers, straight

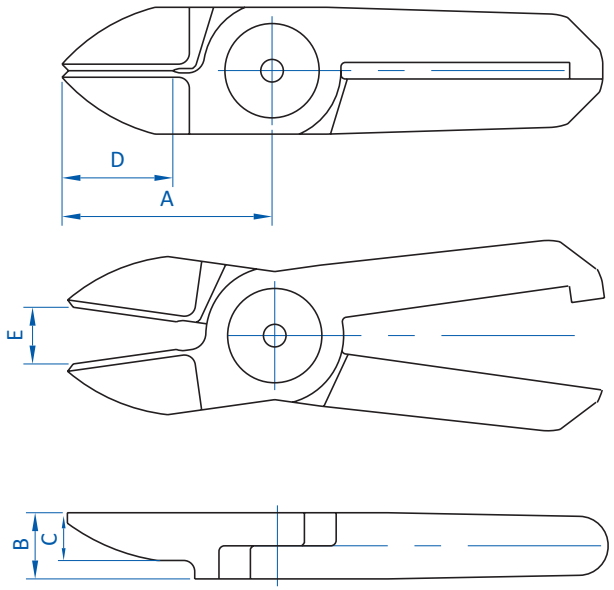
Product notes

> Straight blades that can be applied at the right angle to the gate
> Models with a variety of cutting edges to cover different applications
> AJ: standard blade
> AJT: blade extra thin
> AJL: blade extra long to overcome distance between sprue and nipper
> AJB: brazed carbide tips for cutting hard plastics or plastics containing fiberglass, increased durability
> AJH: brazed high-speed steel tip for cutting hard plastic

Technical data

Item no.	Material	Max. cutting thickness [mm]		Weight [g]	Air nippers
		PP/PE	ABS		
NT03AJ	Ferrous alloy	1.5	1	20	GT-NT03 (p.316)
NT03AJT	Ferrous alloy	1.5	1	19	GT-NT03 (p.316)
NE05AJ	Ferrous alloy	2.5	1.5	35	GT-NT05 (p.316)
NT05AJ	Ferrous alloy	2.5	1.5	30	GT-NT05 (p.316)
NT05AJB	Sintered alloy	2.5	1.5	30	GT-NT05 (p.316)
NT05AJH	HSS steel	2.5	1.5	30	GT-NT05 (p.316)
NT05AJL	Ferrous alloy	2.5	1.5	39	GT-NT05 (p.316)
NT05AJT	Ferrous alloy	2.5	1.5	29	GT-NT05 (p.316)
NE10AJ	Ferrous alloy	3.5	2.3	70	GT-NT10 (p.316)
NT10AJ	Ferrous alloy	3.5	2.3	62	GT-NT10 (p.316)
NT10AJB	Sintered alloy	3.5	2.3	76	GT-NT10 (p.316)
NT10AJH	HSS steel	3.5	2.3	76	GT-NT10 (p.316)
NT10AJL	Ferrous alloy	3.5	2.3	62	GT-NT10 (p.316)
NT10AJT	Ferrous alloy	3.5	2.3	65	GT-NT10 (p.316)
NT20AJ	Ferrous alloy	5	3.4	120	GT-NT20 (p.316)
NT20AJB	Ferrous alloy	5	3.4	120	GT-NT20 (p.316)
NT20AJH	HSS steel	5	3.4	120	GT-NT20 (p.316)
NT20AJL	Ferrous alloy	5	3.4	114	GT-NT20 (p.316)

Dimensions



Item no.	**A** [mm]	**B** [mm]	**C** [mm]	**D** [mm]	**E** [mm]
NT03AJ	24	7	4	11	3
NT03AJT	24	7	2.3	11	3
NE05AJ	24	7	3.5	12	6
NT05AJ	29	7	5	15	6
NT05AJB	29	7	5	15	6
NT05AJH	29	7	5	15	6
NT05AJL	36	7	5	15	7
NT05AJT	29	7	3	15	6
NE10AJ	27	9	4.5	12	7
NT10AJ	35	9	6	17	7
NT10AJB	35	9	6	17	7
NT10AJH	35	9	6	17	7
NT10AJL	47	9	6	17	9
NT10AJT	35	9	4	17	7
NT20AJ	40	12	6	20	9
NT20AJB	40	12	6	20	9
NT20AJH	40	12	6	20	9
NT20AJL	57	12	6	20	12

Blades for plastic, for vertical air nippers, nipper style

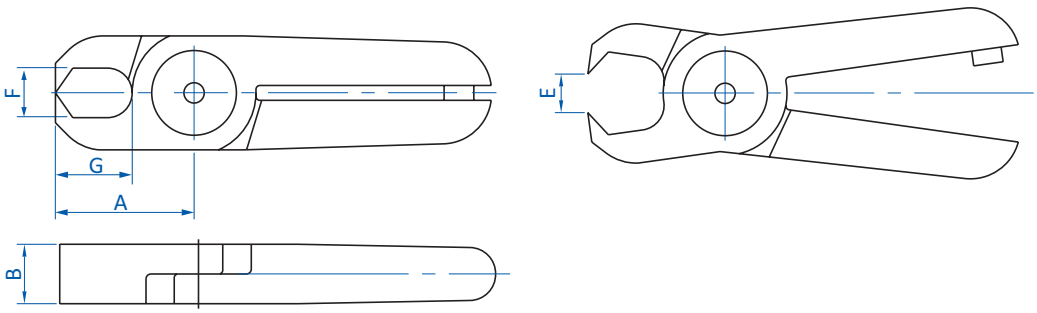
Product notes

> Blades, nipper style, for universal cutting applications

Technical data

Item no.	Material	Max. cutting thickness [mm]		Weight [g]	Air nippers
		PP/PE	ABS		
NT05AE	Ferrous alloy	2.5	1.5	36	GT-NT05 (p.316)
NT10AE	Ferrous alloy	3.5	2.3	75	GT-NT10 (p.316)

Dimensions



Item no.	A [mm]	B [mm]	E [mm]	F [mm]	G [mm]
NT05AE	29	7	6	6	18
NT10AE	35	9	7	8	21.5

Special air shears – round/square, single-acting

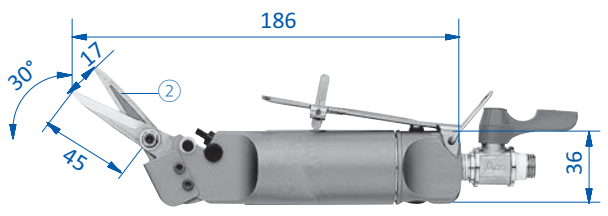
Product notes

> Pneumatic shears for robots, cutting stations or manual operation
> For precision cutting of kevlar, aramid, glass and carbon fiber
> GT-H30, GT-HS30, GT-H12K: designed to cut synthetic materials; not suitable for thick cardboard, tin plate, wire, wood, etc.
> Blades are not included in the scope of delivery. Please order separately.

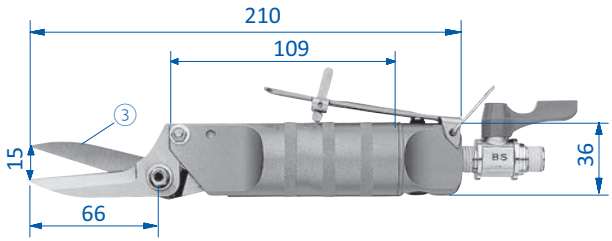
Technical data

Item no.	Housing	Air consumption [cm³/stroke]	Operating pressure [bar (psi)]	Functional principle	Length incl. blade [mm]	Connection [G]	Max. cutting thickness [mm]		Weight [g]
							Band steel	Kevlar	
GT-H12K	Round	116	2 (29)	Manually	186	R1/8	--	0.3	290
GT-H120K	Round	116	5 - 6 (72.5 - 87)	Manually	211	R1/8	15x0.5	--	340
GT-H30	Round	584	3 (43.5)	Manually	280	R1/8	--	1	1,030
GT-HS30	Square	584	3 (43.5)	Automatically	260	R1/8	--	1	970

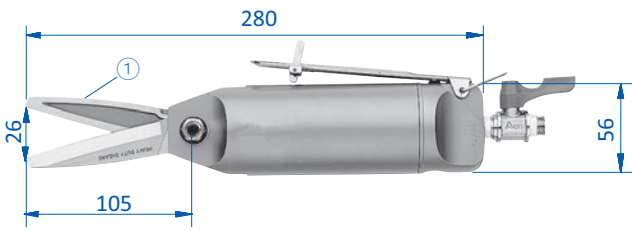
Dimensions



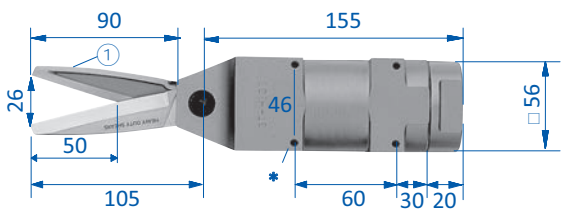
GT-H12K



GT-H120K



GT-H30



GT-HS30

① = Blade shown: H30ME ② = Blade shown: H12ME30K ③ = Blade shown: H120SK * = 4 x 4 bore holes M5

Blades for special air shears, single-acting

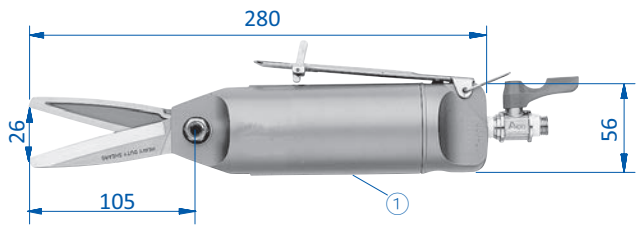
Product notes

> Blades for cutting synthetic materials, e.g. kevlar, aramid, glass and carbon fiber
> With the exception of H120SK not suitable for thick cardboard, sheet tin, wire, wood

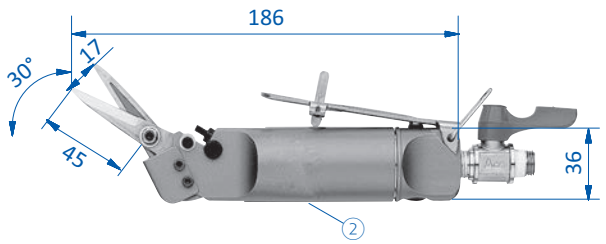
Technical data

Item no.	Max. opening for cutting [mm]	Effective cutting length [mm]	Max. cutting thickness [mm]		Weight [g]	Air nippers
			Kevlar	Band steel		
H30ME	26	50	1	--	280	GT-H30 (p.321) GT-HS30 (p.321)
H12ME30K	17	28	0.3	--	56	GT-H12K (p.321)
H120SK	15	38	--	15x0.5	115	GT-H120K (p.321)

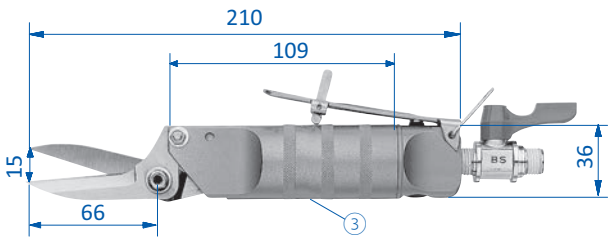
Dimensions



H30ME



H12ME30K



H120SK

① = Special air shear shown: GT-H30 ② = Special air shear shown: GT-H12K ③ = Special air shear shown: GT-H120K

Air shears – round/square, double-acting

FOR FAST CYCLE TIMES

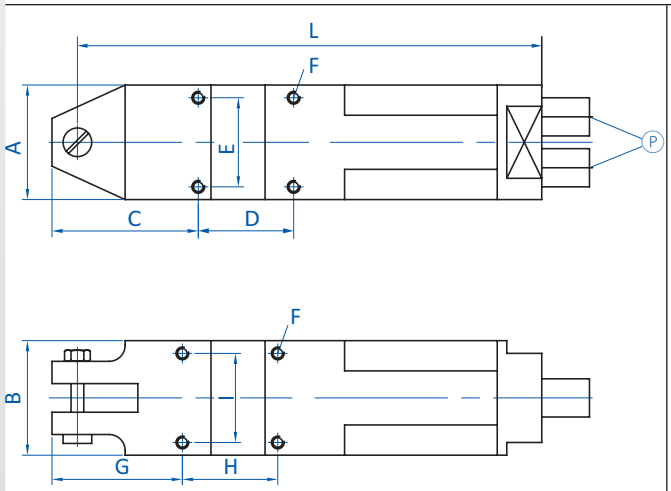
Product notes

> Pneumatic shears for robots, cutting stations or manual operation
> Cutting of paper, film, steel or copper wire, etc.
> Double-acting, separate control of opening and closing to enable short duty cycles
> Continuous cutting process as no return spring required
> Blades are not included in the scope of delivery. Please order separately.

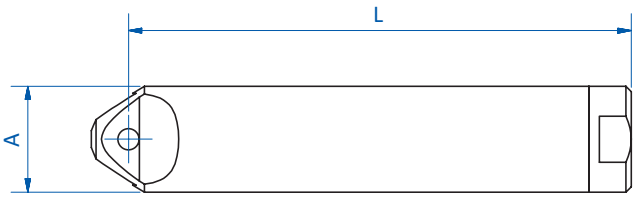
Technical data

Item no.	Housing	Max. cutting force [N]	Air consumption [cm³/stroke]	Operating pressure [bar (psi)]	Pipe connection [mm]	Weight [g]
GT-HWS1	Square	294	45	4 - 5 (58 - 72.5)	4	116
GT-HWR1	Round	294	45	4 - 5 (58 - 72.5)	4	84
GT-HWS10	Square	588	116	4 - 5 (58 - 72.5)	6	356
GT-HWR10	Round	588	116	4 - 5 (58 - 72.5)	6	295

Dimensions



GT-HWS1 | GT-HWS10



GT-HWR1 | GT-HWR10

Ⓟ = Compressed air connection

Item no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F	G [mm]	H [mm]	I [mm]	L [mm]
GT-HWS1	20	23	--	--	--	M3	24	40	16	95
GT-HWR1	20	--	--	--	--	--	--	--	--	95
GT-HWS10	36	36	45.5	30	28	M4	41	30	28	146
GT-HWR10	36	--	--	--	--	--	--	--	--	146

Blades for double-acting air shears

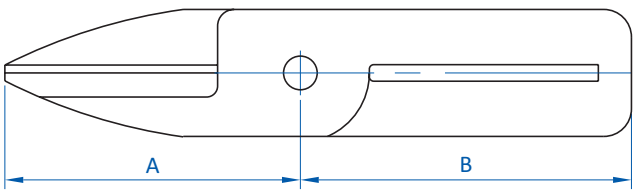
Product notes

> Blades for double-acting air shears
> Suitable for cutting copper or steel wire

Technical data

Item no.	Max. opening for cutting [mm]	Effective cutting length [mm]	Max. cutting thickness [mm]		Weight [g]	Air nippers
			Copper wire	Steel wire		
HW1J	3	17	1	0.5	116	GT-HWR1 (p.323) GT-HWS1 (p.323)
HW10J	5	28	1.8	1.2	84	GT-HWR10 (p.323) GT-HWS10 (p.323)

Dimensions



Item no.	**A** [mm]	**B** [mm]
HW1J	25	30
HW10J	40	55

Air-nipper mounting brackets

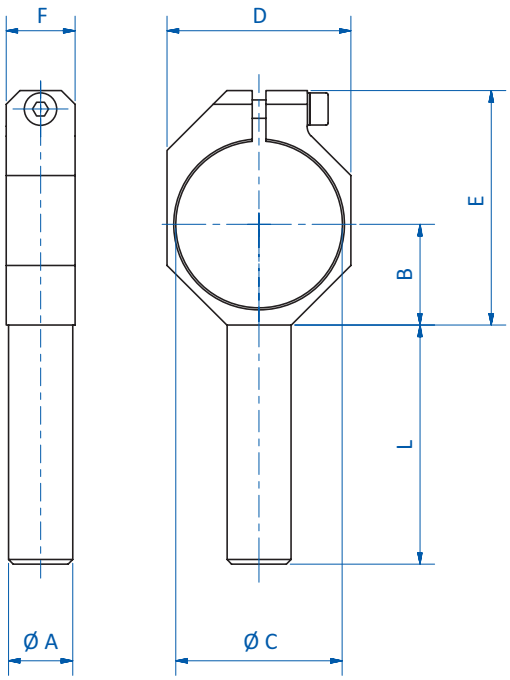
Product notes

> Mounting brackets to fasten air nippers to angle clamps

Technical data

Item no.	Clamping Ø [mm]	Weight [g]	Air nippers
GT-NR10H	14	38	GT-NR10L (p.286)
GT-NR20H	20	71	GT-NR20 (p.286)
GT-NR30H	20	79	GT-NR30 (p.286)
GT-NR50H	20	149	GT-NR50 (p.286)

Dimensions



Item no.	Ø **A** [mm]	**B** [mm]	Ø **C** [mm]	**D** [mm]	**E** [mm]	**F** [mm]	**L** [mm]
GT-NR10H	14	22	36	40	51	15	52
GT-NR20H	20	30	45	50	65	20	52
GT-NR30H	20	35	56	60	75	20	52
GT-NR50H	20	45	75	85	95	20	52

Mounting clamps for air nippers

Air nipper GT-NR20 with mounting clamp

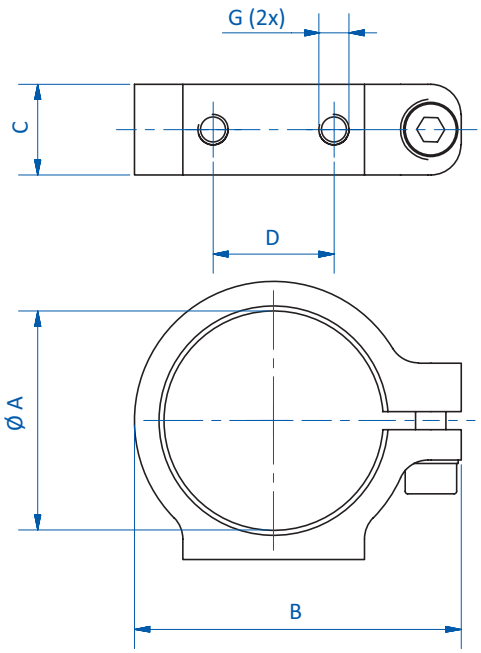
Product notes

> Space-saving assembly of air nippers on extrusions and special machines
> The clamps are part of air nipper fittings GT-NR10ST2 to GT-NR30ST2

Technical data

Item no.	Weight [g]	Air nippers
GT-NR10S	36	GT-NR10L (p.286)
GT-NR20S	39	GT-NR20 (p.286)
GT-NR30S	46	GT-NR30 (p.286)

Dimensions



Item no.	Ø A [mm]	B [mm]	C [mm]	D [mm]	G
GT-NR10S	36	54	15	20	M5
GT-NR20S	45	62.5	15	20	M5
GT-NR30S	56	73.5	15	20	M5

Clamps with angle brackets – for direct mounting

Mounting air nippers on EOAT or special machines

Air nipper GT-NR20 assembled on extrusion SLine

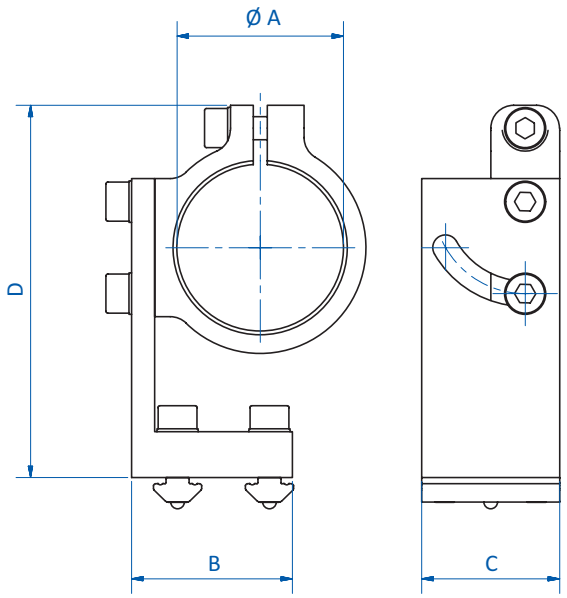
Product notes

> Mounting bracket for installation on grippers or special machines
> Easy positioning of the air nipper thanks to 2x 90° adjustable design
> Versatile thanks to alternative installation using slot nuts or threaded shaft holder
> Slot nuts and mounting screws for installation on FIPA SLine and MLine extrusions included in scope of delivery

Technical data

Item no.	Weight [g]	Air nippers
GT-NR10ST2	116	GT-NR10L (p.286)
GT-NR20ST2	119	GT-NR20 (p.286)
GT-NR30ST2	125	GT-NR30 (p.286)
GT-NR50ST2	165	GT-NR50 (p.286)

Dimensions



Item no.	Ø **A** [mm]	**B** [mm]	**C** [mm]	**D** [mm]
GT-NR10ST2	36	35	30	81
GT-NR20ST2	45	35	30	87.5
GT-NR30ST2	56	35	30	90.5
GT-NR50ST2	75	35	30	109.5

Gripper clamps

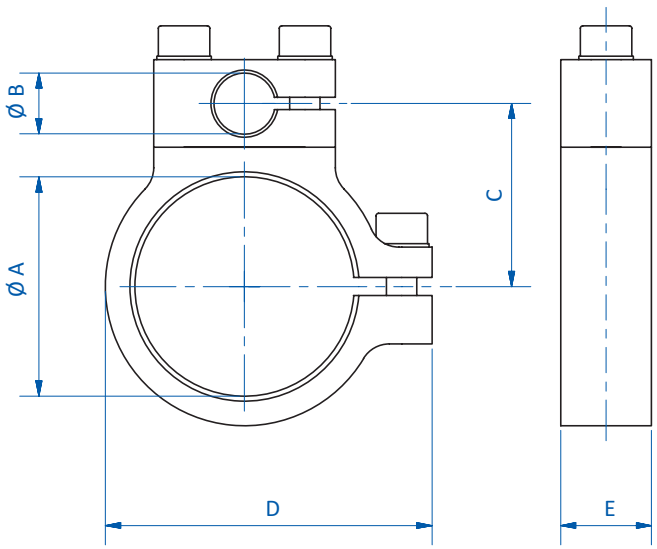
Product notes

> Mounting of the grippers to the air nippers for holding the sprue during the cutting process
> Optimal adjustment by using elbow gripper arms

Technical data

Item no.	Weight [g]	Air nippers
GT-NR10GR	57	GT-NR10L (p.286)
GT-NR20GR	60	GT-NR20 (p.286)
GT-NR30GR	66	GT-NR30 (p.286)

Dimensions



Item no.	Ø A [mm]	Ø B [mm]	C [mm]	D [mm]	E [mm]
GT-NR10GR	36	10	30.25	54	15
GT-NR20GR	45	10	34.75	62.5	15
GT-NR30GR	56	10	40.25	73.5	15