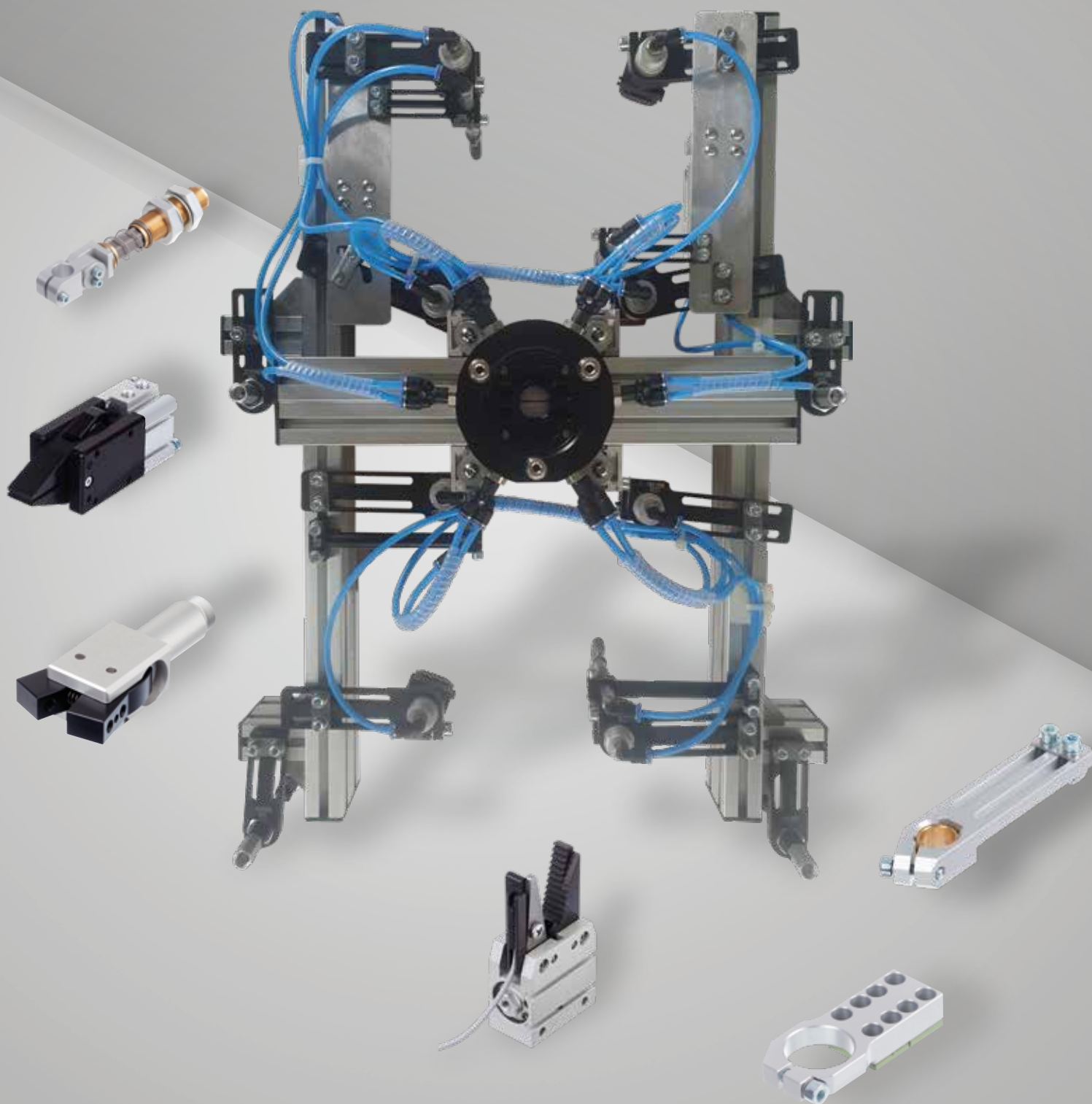
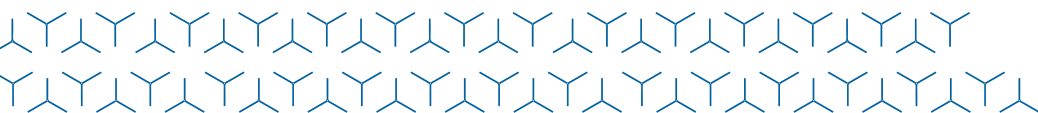


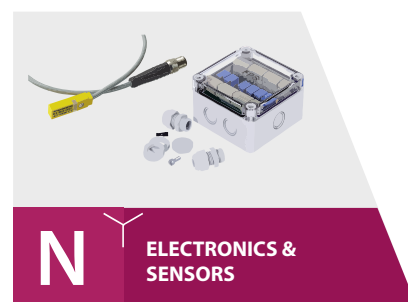
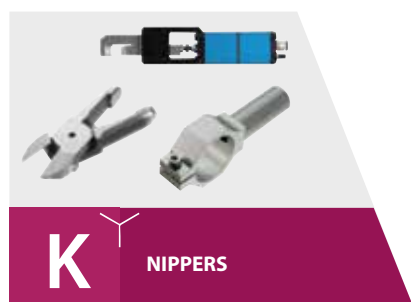
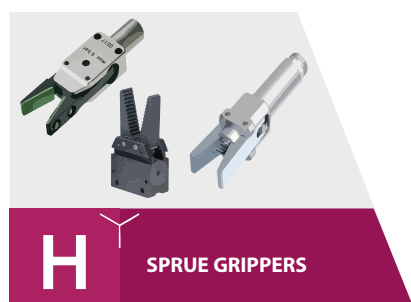
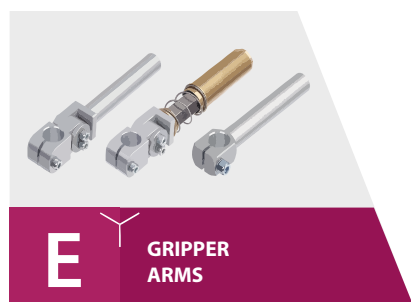
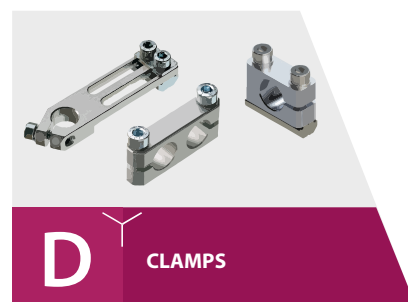
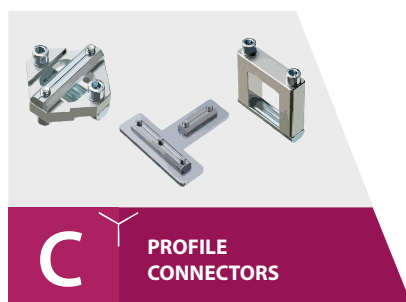
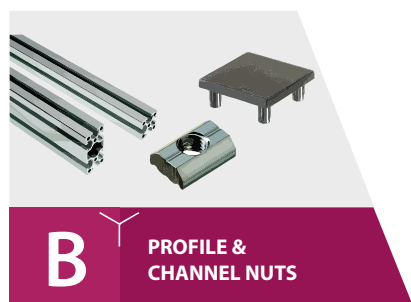
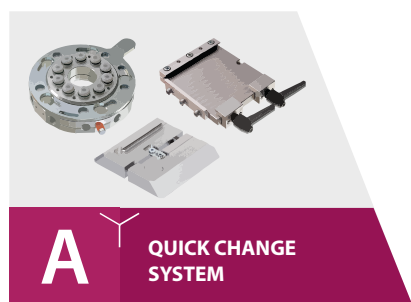
norma

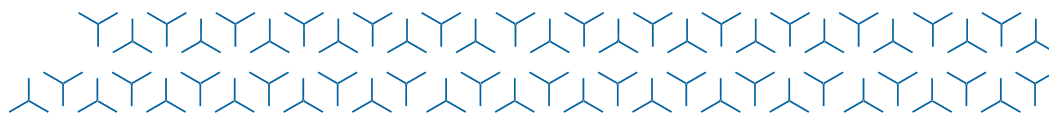
SUPERIOR STANDARDS





EOAT - END OF ARM TOOLING



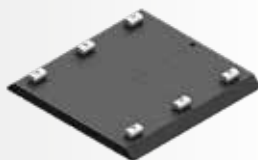


**DOVETAIL
QUICK CHANGERS**



A2

EOAT BASE PLATES



A3

**WALL MOUNTS
-DOVETAIL**



A7

**ROUND QUICK
CHANGERS**



A8

**QUICK CHANGER
INTERFACES**



A9

LOCATING PIN



A11

**WALL MOUNTS
-ROUND**

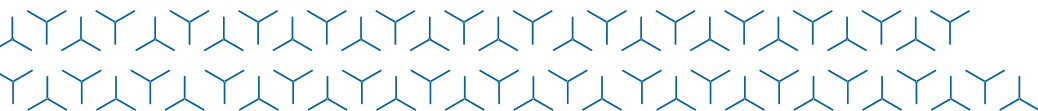


A12

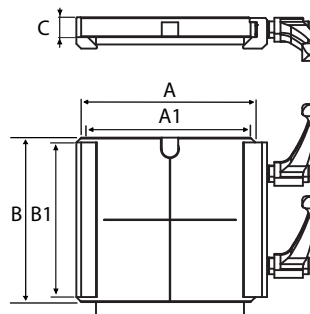
**ELECTRICAL
CONNECTORS**



A13



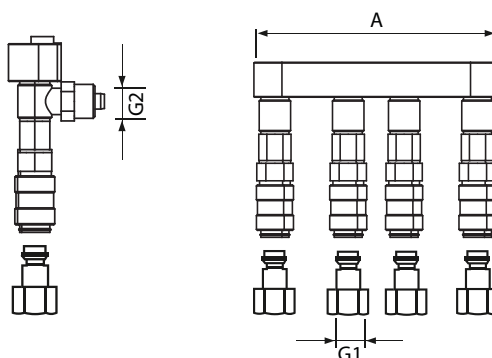
QUICK CHANGER ROBOT SIDE



REFERENCE	INORMA	A	A1	B	B1	C	LOAD (Kg)	WEIGHT (g)
C10.AQC-RSW-60-00	NPC.GSSR60	80	60	70	60	10	5	175
C10.AQC-RSW-100-00	NPC.GSSR100	116	100	100	100	10	10	465
C10.AQC-RSW-160-00	NPC.GSSR160	180	160	160	160	10	20	1190
C10.AQC-RSW-250-00	NPC.GSSR250	325	250	270	250	10	40	3720

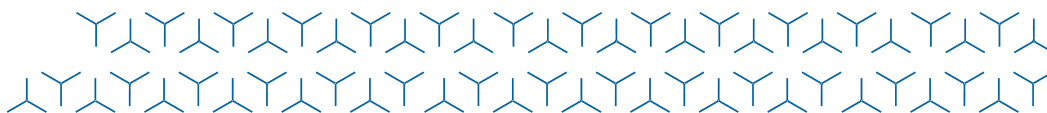
Works with all profile systems. Interface between robot and EOAT.

PNEUMATIC CONNECTION FOR QUICK CHANGER

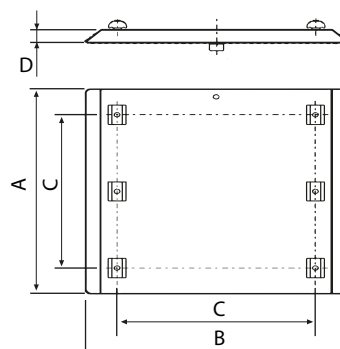
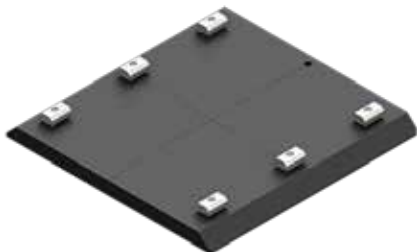


REFERENCE	A	G1	G2	NO. OF CONNECTIONS	WEIGHT (g)
C10.ACA.LAL.1.5	111	M5	M5	5	174
C10.ACA.LAL.1.7	132	M5	M5	7	225
C10.ACA.LAL.2.5	150	G 1/8	G 1/8	5	629
C10.ACA.LAL.2.7	180	G 1/8	G 1/8	7	742
C10.ACA.LAL.3.6	220	G 1/4	G 1/4	6	902
C10.ACA.LAL.3.8	260	G 1/4	G 1/4	8	1503

Couplers Rectus 21 Series



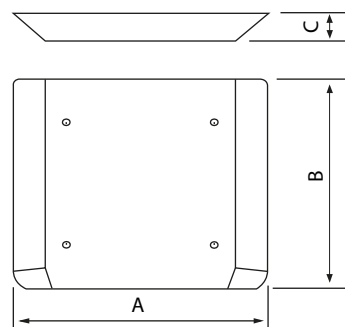
QUICK CHANGER (GRIPPER SIDE)



REFERENCE	INORMA	A	B	C	D	WEIGHT (g)
C10.AQC-SSW-60	NPC.GSSG60	60	60	40	8	70
C10.AQC-SSW-100	NPC.GSSG100	100	100	70	10	250
C10.AQC-SSW-160	NPC.GSSG160	160	160	120	10	640
C10.AQC-SSW-250	NPC.GSSG250	250	250	200	10	1600

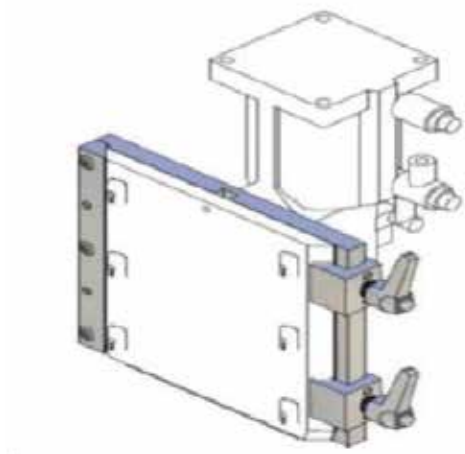
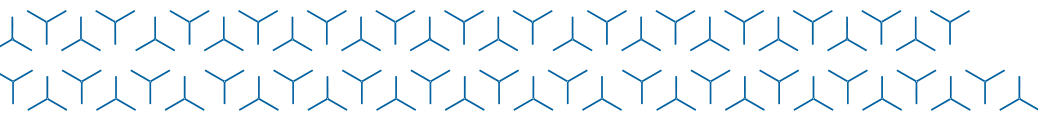
Anodised aluminium.

QUICK CHANGER (GRIPPER SIDE)

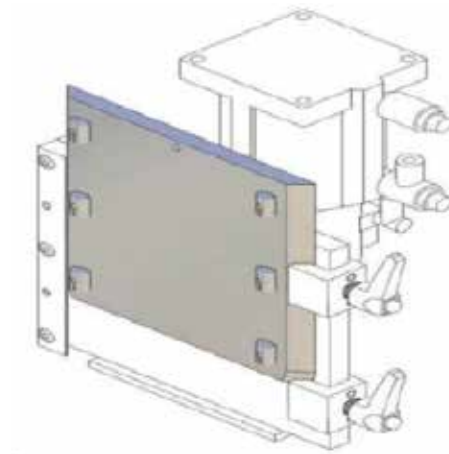


REFERENCE	A	B	C	WEIGHT (g)
C10.AQC-SSW-060-CP	60	60	8	69
C10.AQC-SSW-100-CP	100	100	8	201
C10.AQC-SSW-160-CP	160	160	10	653
C10.AQC-SSW-250-CP	250	250	10	1613

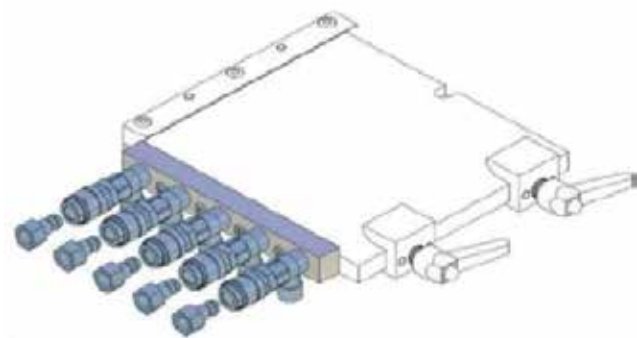
Anodised aluminium.



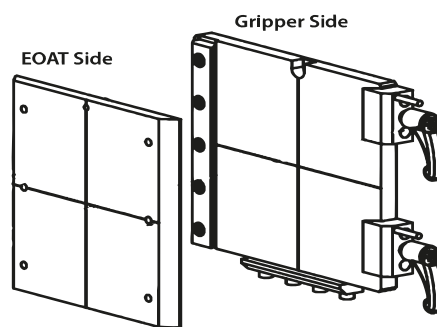
QUICK CHANGER ROBOT SIDE - APPLICATION EXAMPLE



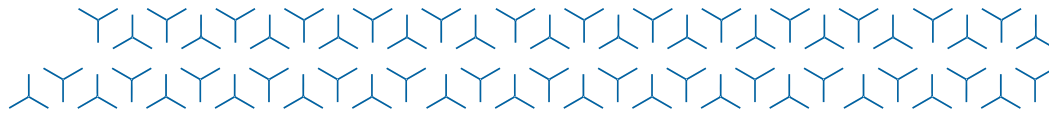
QUICK CHANGER GRIPPER SIDE - APPLICATION EXAMPLE



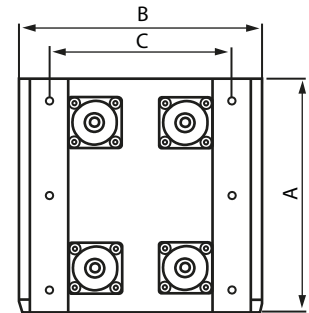
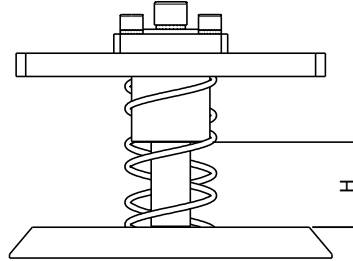
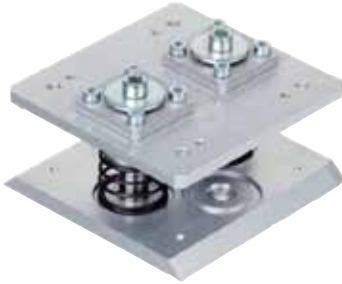
PNEUMATIC CONNECTION - APPLICATION EXAMPLE



DOVETAIL ASSEMBLY - APPLICATION EXAMPLE

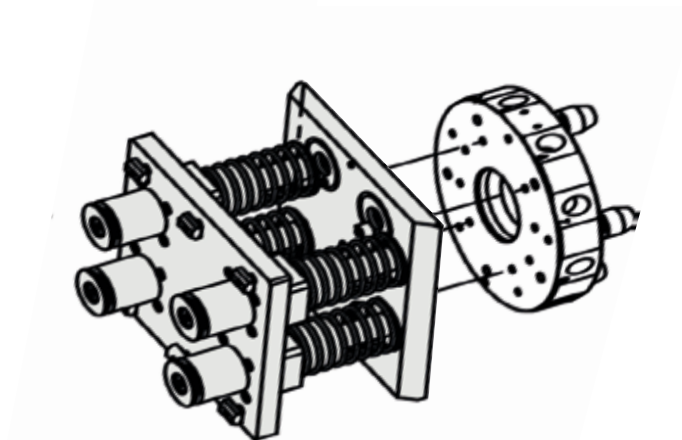
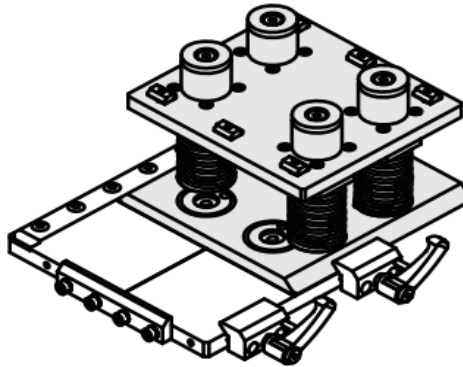


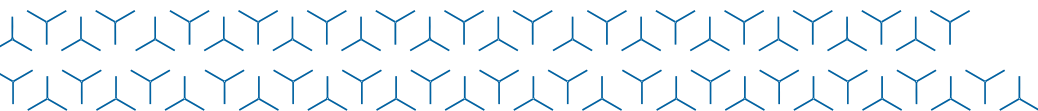
BASE PLATE SPRING LOADED



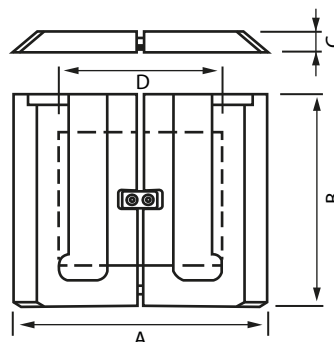
REFERENCE	A	B	C	F (N)	GUIDES	WEIGHT (g)
C10.AQC-SWS-100	100	100	70	36	2	486
C10.AQC-SWS-160	160	160	120	50	4	1344

Plate can be rotated 90°.
Compatible with Dovetail Quick Changer and Round Quick Changer.





BASE PLATE REDUCER



REFERENCE	A	B	C	D	WEIGHT (g)
C10.AQC-SWR-100	100	100	15	60	263
C10.AQC-SWR-160	160	160	15	100	703
C10.AQC-SWR-250	250	250	20	160	2441

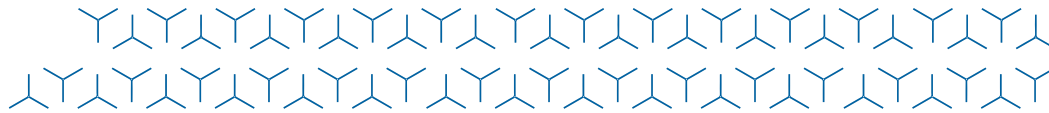
Anodised aluminium.

QC-SWM - EOAT WALL MOUNT

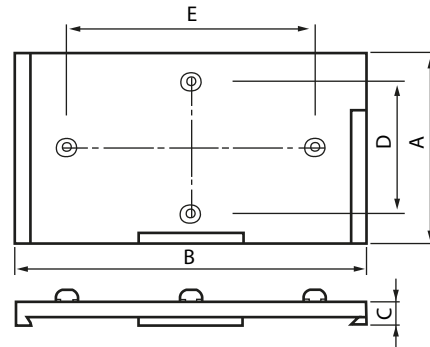


REFERENCE	REF	WEIGHT (g)
C10.AQC-SWM-060	C10.AQC-SSW-60	136
C10.AQC-SWM-100	C10.AQC-SSW-100	238
C10.AQC-SWM-160	C10.AQC-SSW-160	547

Support for EOAT with dovetail plate.



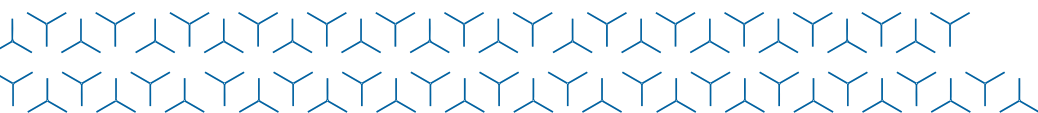
EOAT WALL MOUNT



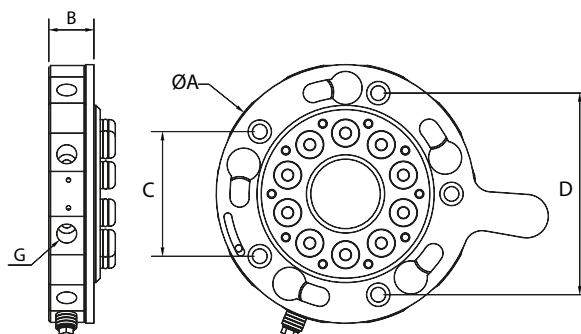
REFERENCE	A	B	C	D	WEIGHT (g)
C10.AQC-SWH-060	60	70	10	35	128
C10.AQC-SWH-100	60	110	10	35	182
C10.AQC-SWH-160	100	170	12	70	412
C10.AQC-SWH-250	120	270	15	90	1033

Support for EOAT with dovetail plate.





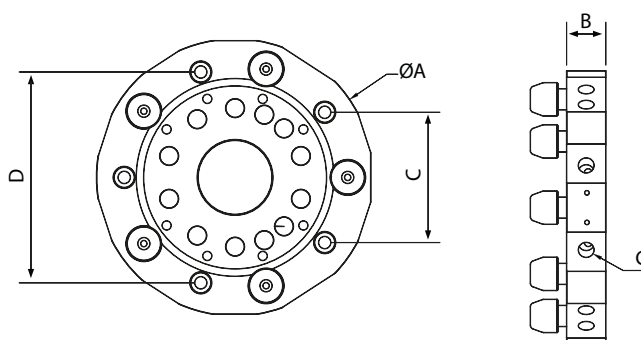
QUICK CHANGER (ROBOT SIDE)



REFERENCE	INORMA	A	B	C	D	G	WEIGHT (g)
C10.AMRS-50	NPC.QCR50	50	18.68	-	-	M5(4x)	116
C10.AMRS-90	NPC.QCR90	90	18.30	53.6	-	G 1/8(8x)	345
C10.AMRS-150	NPC.QCR150	150	25.95	71.7	116.03	G 1/4(10x)	1158
C10.AMRS-160	-	160	25.95	71.7	116.03	G 1/8(12x)	1213
C10.AMRS-200	NPC.QCR200	200	30.60	87.5	175	G1/4 (12x)	2640

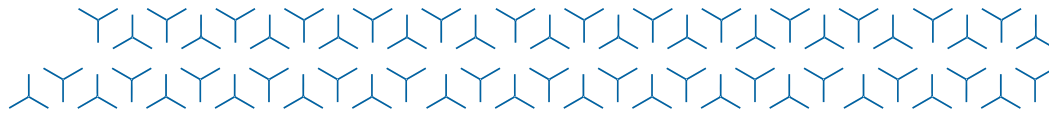
It is possible to provide 9 electrical connections.
It works with pressured air or vacuum.

QUICK CHANGER (GRIPPER SIDE)

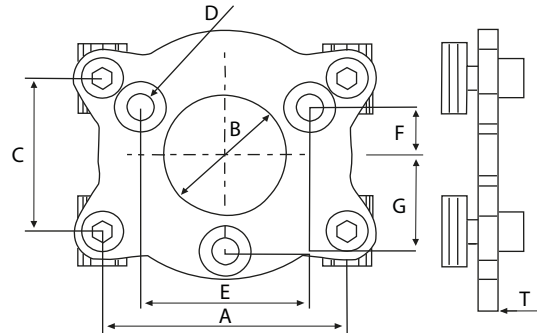


REFERENCE	INORMA	A	B	C	D	G	WEIGHT (g)
C10.AMGS-50	NPC.QCG50	50	15.3	-	-	M5(4x)	63
C10.AMGS-90	NPC.QCG90	90	15.9	-	-	G 1/8(8x)	250
C10.AMGS-150	NPC.QCG150	150	21.2	70.5	114.13	G 1/4(10x)	827
C10.AMGS-160	-	160	21.2	70.5	114.13	G 1/8(12x)	900
C10.AMGS-200	NPC.QCG200	200	25	87.5	175	G1/4 (12x)	1798

Error free for air and electrical connections.
It works with pressured air or vacuum.

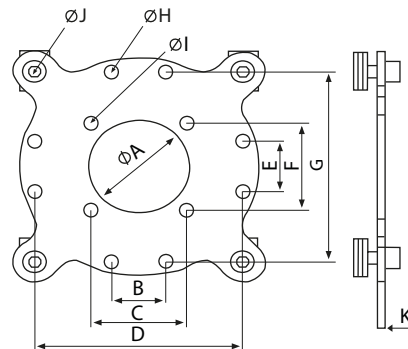


INTERFACE FOR QUICK CHANGER

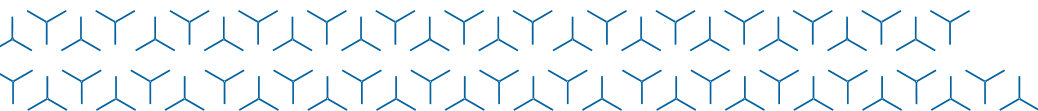


REFERENCE	INORMA	A	B	C	D	E	F	G	T	WEIGHT (g)
C10.AMGSI-50	NPC.GSIPG50	50	25	32	5.5	34.6	10	20	4	100

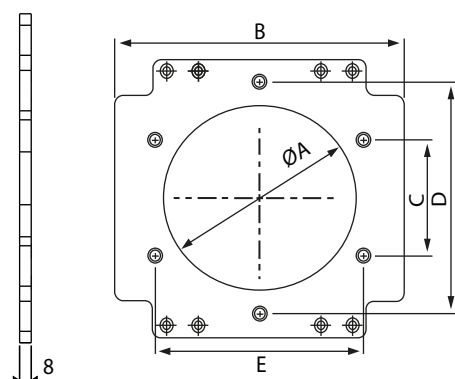
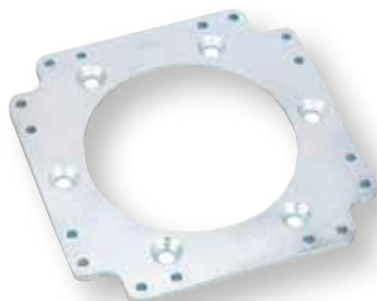
INTERFACE FOR QUICK CHANGER



REFERENCE	INORMA	A	B	C	D	E	F	G	H	I	J	K	WEIGHT (g)
C10.AMGSI-90	NPC.GSIPG90	37	20	35	76	20	35	76	5	5.2	5.3	3	190
C10.AMGSI-150	NPC.GSIPG150	70	20	74	130	20	52	110	5	6.2	5.3	4	540

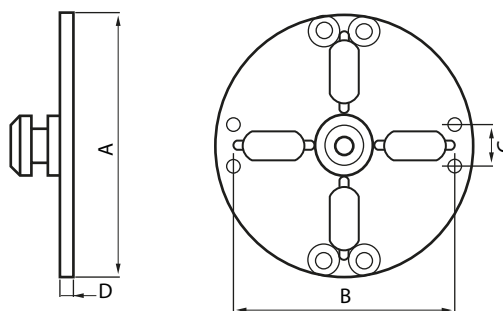
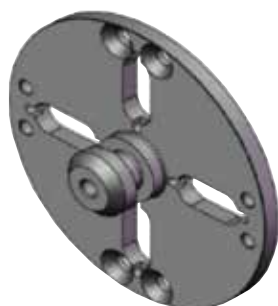


INTERFACE FOR QUICK CHANGER

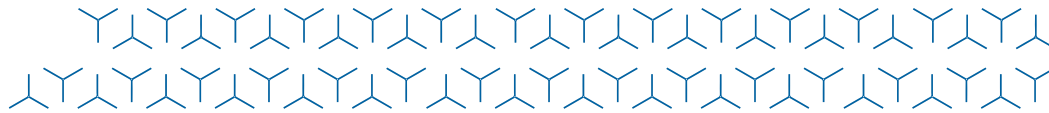


REFERENCE	INORMA	A	B	C	D	E	WEIGHT (g)
C10.AMGSI-200	NPC.GSIPG200	140	210	87.5	175	151.6	1850

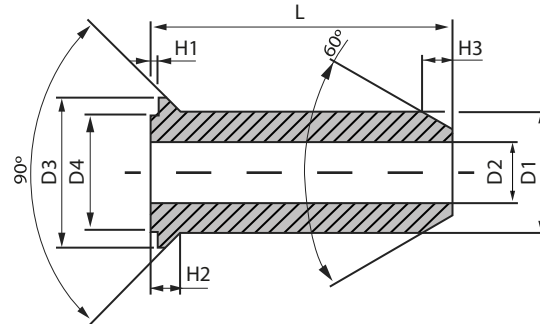
SEPRO BASE PLATE



INORMA	A	B	C	D	WEIGHT (g)
NPC.BP90	90	78	14	5	233
NPC.BP120	120	90	14	6	484
NPC.BP135	135	121	14	5	677

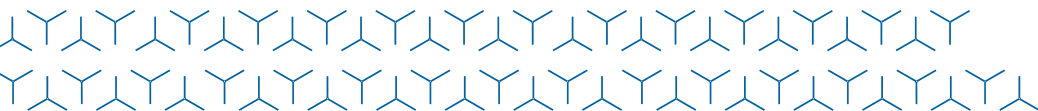


QC-P - LOCATING PIN

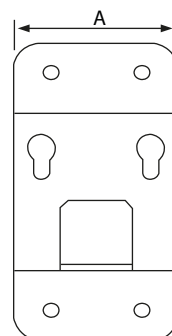


REFERENCE	REF	L	H1	H2	H3	Ø D1	Ø D2	Ø D3	Ø D4	WEIGHT (g)
C10.AQC-P090065	C10.AMRS-90	65	2	5	5	18	8	20	14	190
C10.AQC-P150100	C10.AMRS-150	100	2.5	10	10	40	20	50	38.5	435
C10.AQC-P200120	C10.AMRS-200	120	3	11	15	50	25	60	43.5	950

Used on robot side to help manual centering on heavy EOAT's

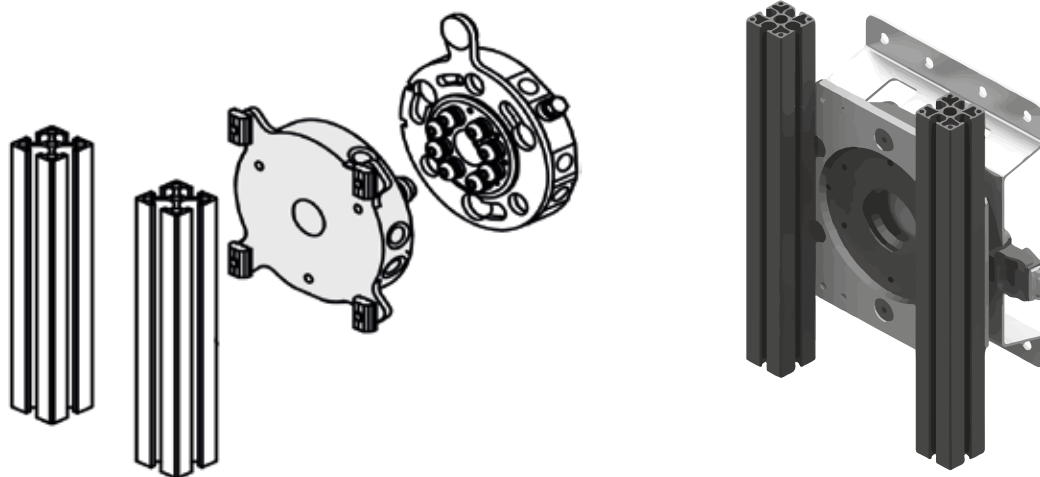


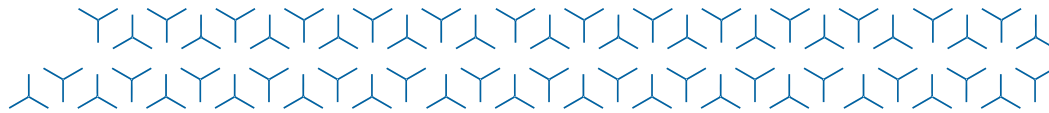
WALL MOUNT FOR QUICK CHANGER



REFERENCE	A	WEIGHT (g)
C10.AMGSH-050	50	125
C10.AMGSH-090	90	440
C10.AMGSH-150	150	926
C10.AMGSH-200	200	1178

For Round Quick Change models





ELECTRICAL CONNECTORS



QC.MR.ES



QC.MG.E



QC.MG.ES

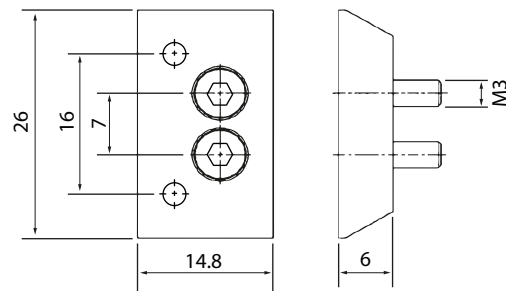


QC.MR.E

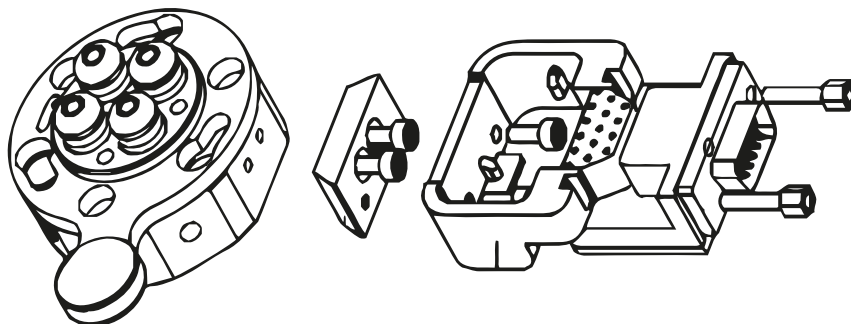
REFERENCE	I/O	WORKING CURRENT	WEIGHT (g)
C10.AQC.MR.ES	15 pin	0.5 A	50
C10.AQC.MG.ES	15 pin	0.5 A	50
C10.AQC.MR.E	15 pin	3 A	50
C10.AQC.MG.E	15 pin	3 A	50

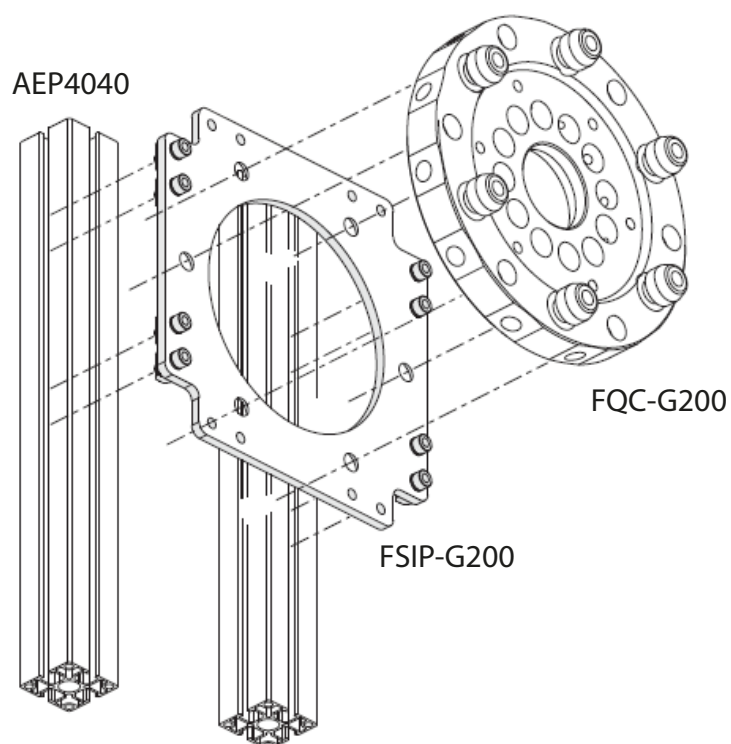
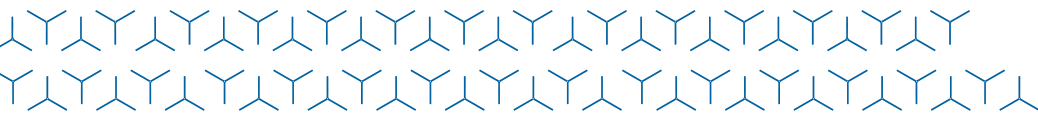
Works within temperatures -55°C to 105°C.
Voltage break down 250VAC

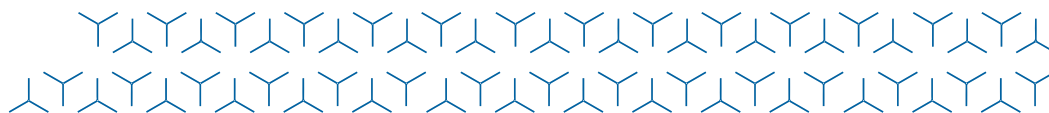
ELECTRICAL CONNECTOR SPACER



REFERENCE	WEIGHT (g)
C10.AQC.MB.S	6





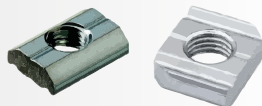


ALUMINUM PROFILES



B2

CHANNEL NUTS



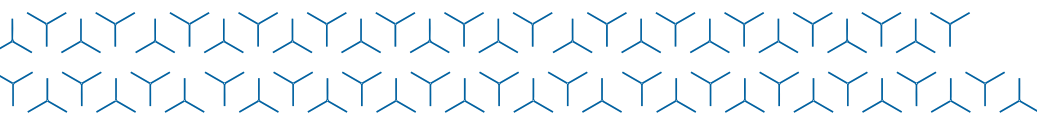
B4

PROFILE
ACCESSORIES



B6

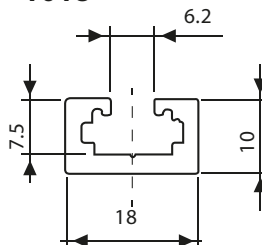




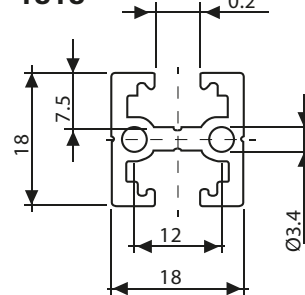
EXTRUDED ALUMINIUM PROFILES



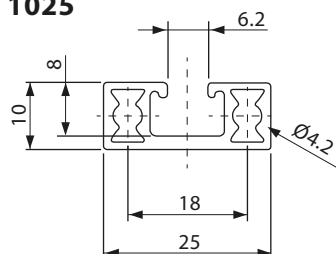
1018



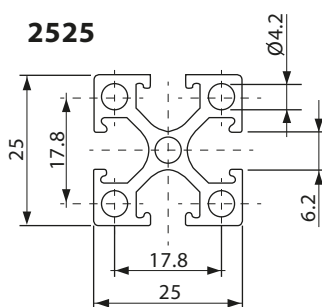
1818



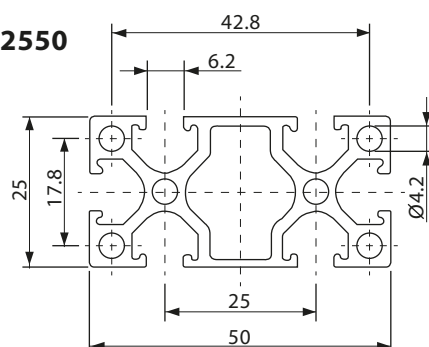
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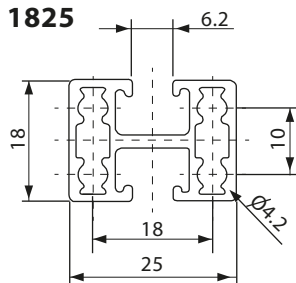
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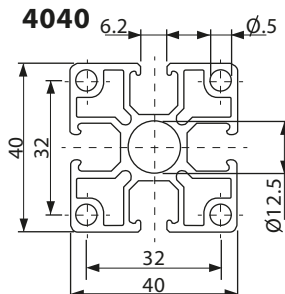
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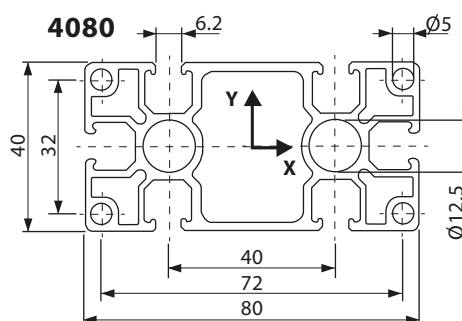
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4040

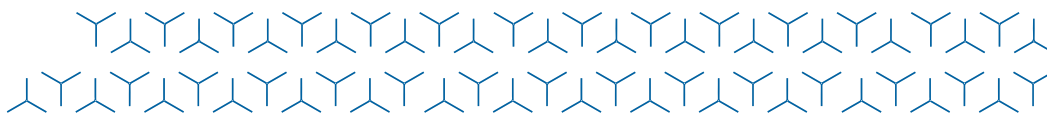


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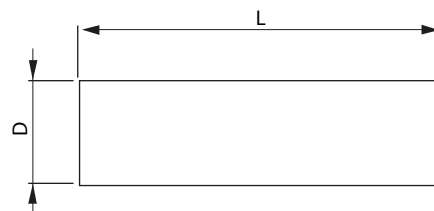
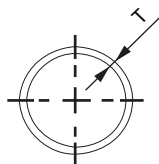


REFERENCE	INORMA	LENGTH	WEIGHT (g)
C10.AAPL.1018.1000	-	1000	250
C10.AAPL.1818.1000	NPC.FEP18181000	1000	425
C10.AAPX.1025.1000	NPC.FEP25101000	1000	310
C10.AAPX.1825.1000	NPC.FEP25181000	1000	400
C10.AAPX.2525.1000	NPC.FEP25251000	1000	610
C10.AAPX.2525.2000	NPC.FEP25252000	2000	1220
C10.AAPX.2550.1000	NPC.FEP25501000	1000	1040
C10.AAPX.2550.2000	NPC.FEP25502000	2000	2080
C10.AAPJ.4040.1000	NPC.FEP40401000	1000	1300
C10.AAPJ.4040.2000	NPC.FEP40402000	2000	2600
C10.AAPJ.4080.1000	-	1000	2302
C10.AAPJ.4080.2000	NPC.FEP40802000	2000	4603

Silver anodized aluminium



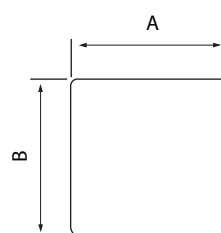
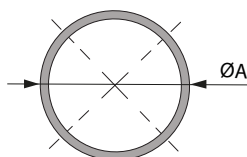
ALUMINIUM TUBE



INORMA	D	L	T	WEIGHT (g)
NPC.FAT00201000	20	1000	2	69
NPC.FAT00202000	20	2000	2	138
NPC.FAT00301000	30	1000	2.5	201

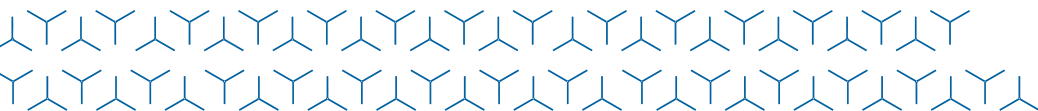
Silver anodized aluminium

PROFILE END CAP AND PLUG

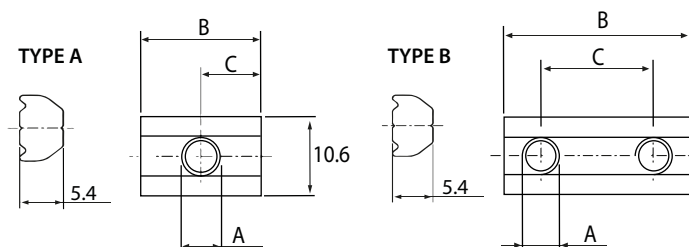


REFERENCE	INORMA	A	B	PACK	TYPE
C10.AMPP-10-18	-	10	18	10 pcs.	SQUARE
C10.AMPP-18-18	NPC.PP1818	18	18	10 pcs.	SQUARE
C10.AMPP-10-25	NPC.PP2510	10	25	10 pcs.	SQUARE
C10.AMPP-18-25	NPC.PP2518	18	25	10 pcs.	SQUARE
C10.AMPP-25-25	NPC.PP2525	25	25	10 pcs.	SQUARE
C10.AMPP-25-50	NPC.PP2550	25	50	10 pcs.	SQUARE
C10.AMPP-40-40	NPC.PP4040	40	40	10 pcs.	SQUARE
C10.AMPP-40-80	NPC.PP4080	40	80	10 pcs.	SQUARE
-	NPC.P20BK	20	-	10 pcs.	ROUND
-	NPC.P30BK	30	-	10 pcs.	ROUND

Color Black

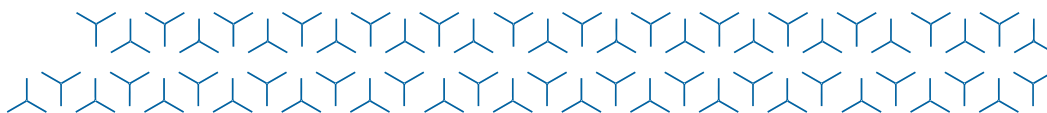


CHANNEL NUTS FOR PROFILES

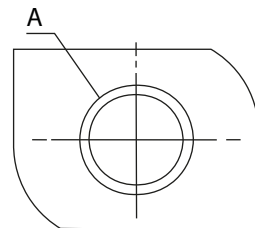
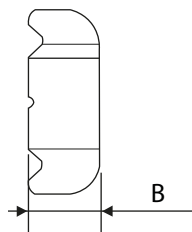


REFERENCE	INORMA	A	B	C	TYPE	WEIGHT (g)
C10.ACN-M3	-	M3	15	7.5	A	6
C10.ACN-M4	NPC.STNM4	M4	15	7.5	A	6
C10.ACN-M4-16	-	M4	24	16	B	9
-	NPC.STNM4D8	M4	8	16	B	5
C10.ACN-M5	NPC.STNM5	M5	15	7.5	A	5
C10.ACN-M5-20	-	M5	30	20	B	11
-	NPC.STNM5D10	M5	10	20	B	7
-	NPC.STNM5D15	M5	15	25	B	9
-	NPC.STNM5D17	M5	17	25	B	9
-	NPC.STNM5D22	M5	22	32	B	11
-	NPC.STNM5D25	M5	25	35	B	13
-	NPC.STNM5D28	M5	28	38	B	14
-	NPC.STNM5D30	M5	30	40	B	15
-	NPC.STNM5D35	M5	35	45	B	16
-	NPC.STNM5D40	M5	40	50	B	18
-	NPC.STNM5D50	M5	50	60	B	22
-	NPC.STNM5D60	M5	60	70	B	26
-	NPC.STNM5D90	M5	90	100	B	38
C10.ACN-M6	NPC.STNM6	M6	15	7.5	A	5
C10.ACN-M6-20	-	M6	30	20	B	11

Suitable for all standard profiles

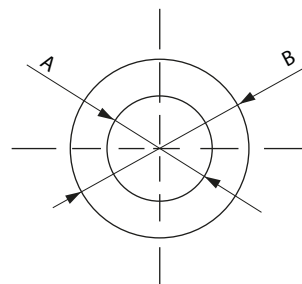
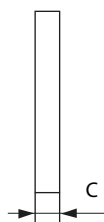


LAST MINUTE NUTS

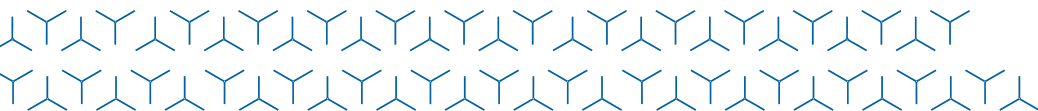


REFERENCE	INORMA	A	B	WEIGHT (g)
C10.ACN-M4-LM	NPC.STNM4R	M4	4.7	3
C10.ACN-M5-LM	NPC.STNM5R	M5	4.7	2
C10.ACN-M6-LM	NPC.STNM6R	M6	4.7	2

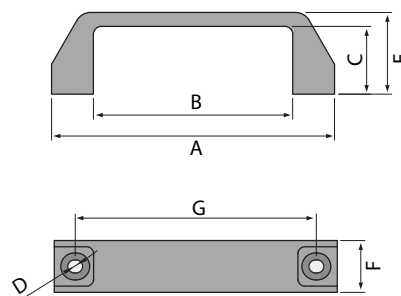
SINGLE HOLE SHIM



INORMA	A	B	C
NPC.STSM3	3.5	5	0.45
NPC.STSM4	4.5	7	0.45
NPC.STSM5	5.5	9	0.55
NPC.STSM6	6.5	10	0.65
NPC.STSM8	8.5	11	0.65

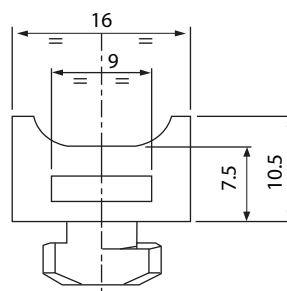


MPH - EOAT HANDLE

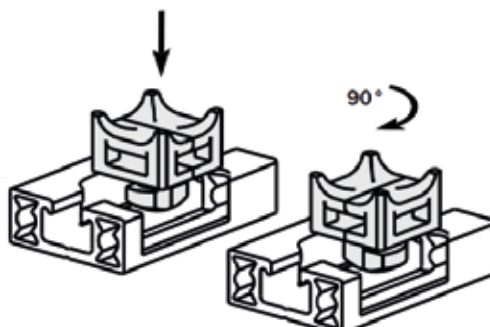


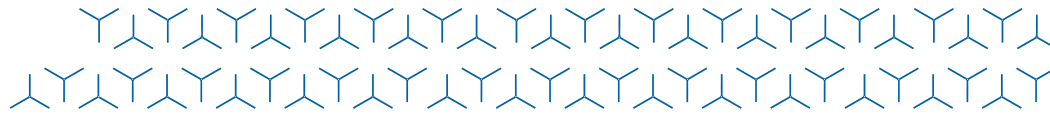
REFERENCE	A	B	C	D	E	F	G	WEIGHT (g)
C10.AMPH.142	142	100	34	6.5	41	26	120	70

HOSE MOUNTING BRACKET



REFERENCE	INORMA	PACK	WEIGHT (g)
C10.ACTK.01X	NPC.GHB1616	10 pcs.	20





CORNER BRACKETS



C2

CROSS JOINT CONNECTORS



C3

SQUARE JOINT CONNECTORS



C4

END CONNECTORS



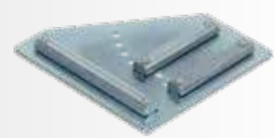
C5

**S, L, T
FLAT CONNECTORS**

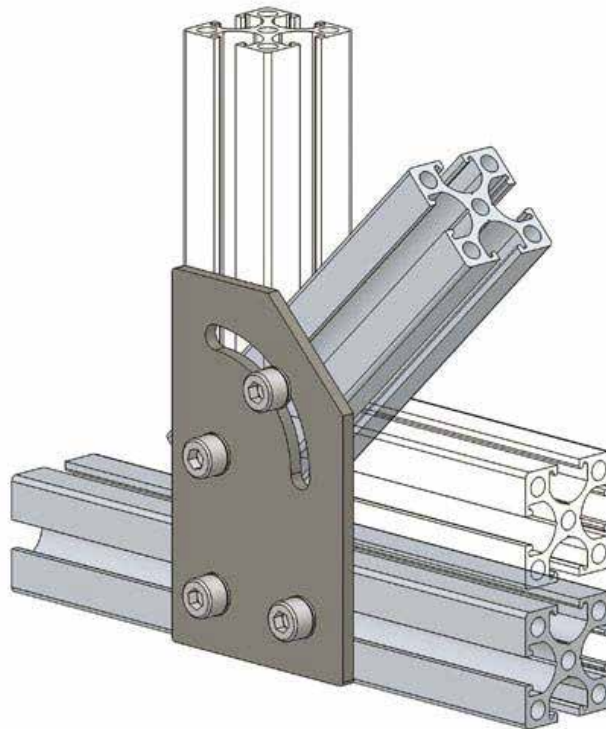


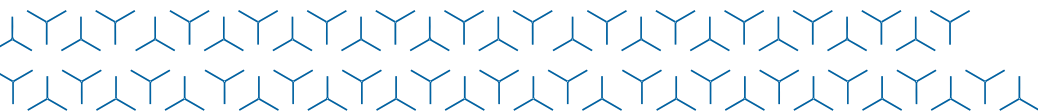
C6

**ADJUSTABLE
CONNECTORS**

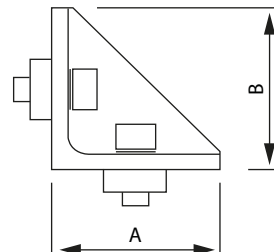
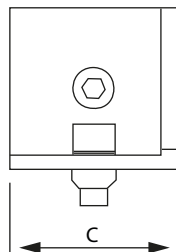


C8



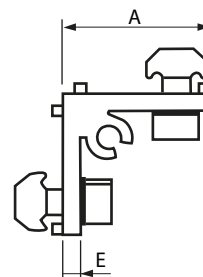
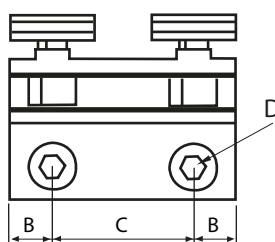


PROFILE CORNER BRACKET

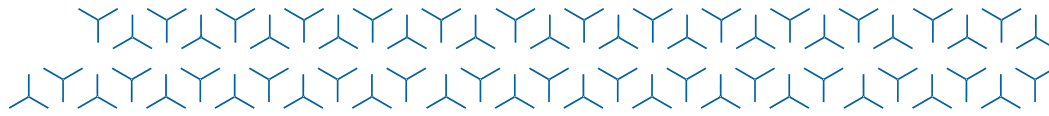


REFERENCE	A	B	C	WEIGHT (g)
C10.AMP.WIV.X.25.0	25	25	16	28
C10.AMP.WIV.X.50.25	51	51	16	80
C10.AMP.WIV.X.25	25	25	19	33
C10.AMP.WIV.X.50	50	50	19	82
C10.AMP.WIV.J.40	40	40	40	60
C10.AMP.WIV.J.80	78	78	37	184

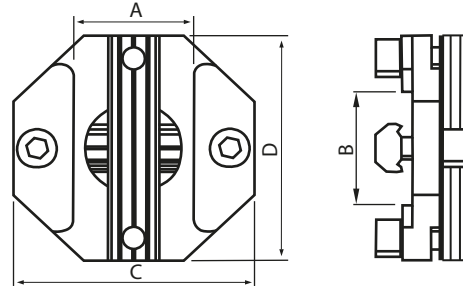
ANGLE BRACKET FOR PROFILES



INORMA	A	B	C	D	E	WEIGHT (g)
NPC.BFAB2525T	28	9	-	5.2 (2x)	3.2	26
NPC.BFAB2550T	28	7.5	25	5.2 (4x)	3.2	55
NPC.BFAB4040T	50	11	-	6.2 (2x)	6.2	56
NPC.BFAB4080T	50	15	40	6.2 (4x)	6.2	126

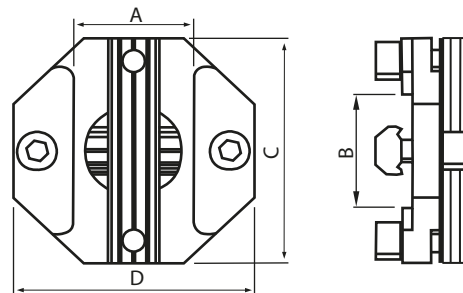


PROFILE CROSS JOINT CONNECTOR

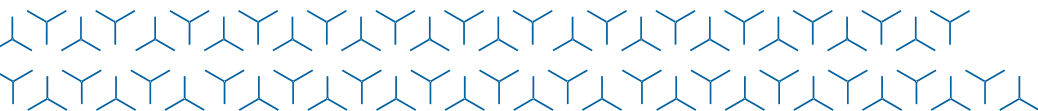


REFERENCE	A	B	C	D	WEIGHT (g)
C10.ACC18-18-L	18	18	38	38	40
C10.ACC25-18-X	25	18	45	45	60
C10.ACC25-25-X	25	25	45	45	67
C10.ACC50-25-X	50	25	45	70	76
C10.ACC50-50-X	50	50	70	70	192
C10.ACC40-25-J	40	25	45	60	77
C10.ACC40-40-J	40	40	65	65	81
C10.ACC80-40-J	80	40	100	60	156
C10.ACC80-80-J	80	80	100	100	268

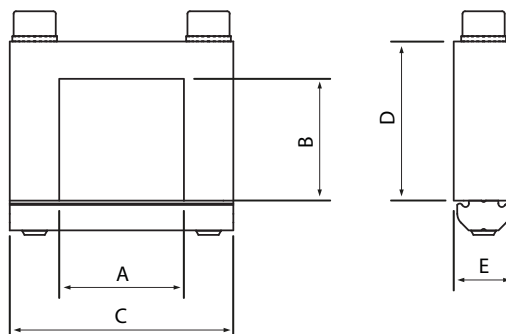
PROFILE CROSS JOINT CONNECTOR



INORMA	A	B	C	D	WEIGHT (g)
NPC.BCMB1818T	18	18	38	38	40
NPC.BCMB1825T	18	25	45	38	60
NPC.BCMB2020T	20	20	50	50	30
NPC.BCMB2525T	25	25	50	50	75
NPC.BCMB2540T	25	40	60	45	80
NPC.BCMB2550T	25	50	70	70	160
NPC.BCMB2580T	25	80	100	45	140
NPC.BCMB4040T	40	40	60	60	85
NPC.BCMB4080T	40	80	60	60	175
NPC.BCMB5050T	50	50	70	70	170
NPC.BCMB8080T	80	80	100	100	255

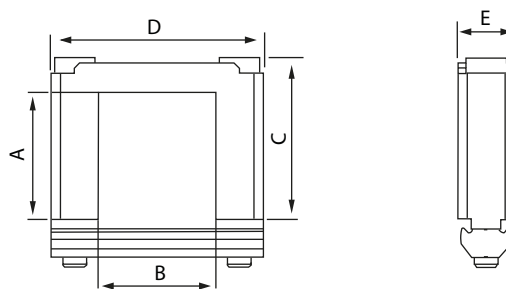


CROSS CONNECTOR BRIDGE

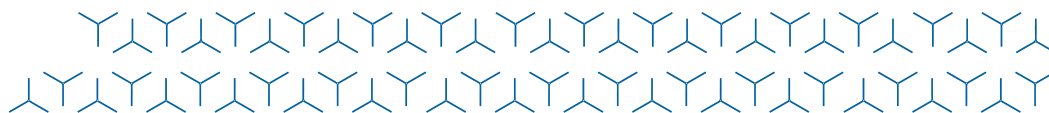


REFERENCE	A	B	C	D	E	WEIGHT (g)
C10.ACCB-18-18-L	18	18	32	24.5	10	22
C10.ACCB-25-25-X	25	25	45	30	15	40
C10.ACCB-25-50-X	25	50	70	30	15	54
C10.ACCB-50-25-X	50	25	45	55	15	57
C10.ACCB-40-40-J	40	40	60	48.5	15	72
C10.ACCB-80-40-J	80	40	100	50	15	107

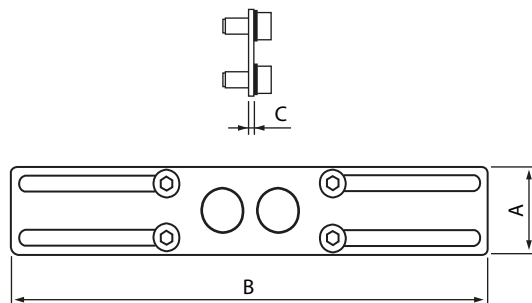
SQUARE JOINT CONNECTOR BRIDGE



INORMA	A	B	C	D	E	WEIGHT (g)
NPC.BSMB1818T	18	18	29	38	12	41
NPC.BSMB1825T	18	25	29	45	12	45
NPC.BSMB2525T	25	25	32	45	12	45
NPC.BSMB2550T	25	50	32	70	12	70
NPC.BSMB5025T	50	25	57	45	12	65



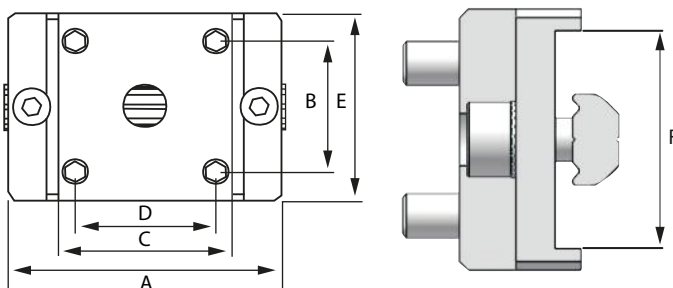
PROFILE END PLATE



REFERENCE	A	B	C	WEIGHT (g)
C10.AEP.25.170	25	170	2	48
C10.AEP.25.220	25	220	2	60
C10.AEP.25.270	25	270	2	69
C10.AEP.25.320	25	320	2	85
C10.AEP.50.170	50	170	2	100
C10.AEP.50.220	50	220	2	132
C10.AEP.50.270	50	270	2	162
C10.AEP.50.320	50	320	2	192

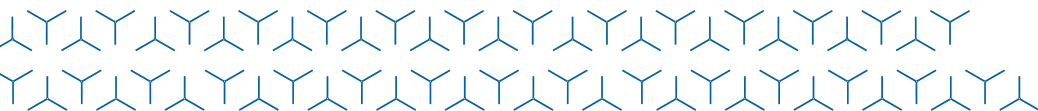
End plate connection for better rigidity of the system.

PROFILE END CONNECTOR

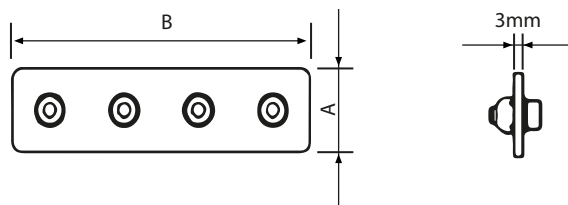


REFERENCE	INORMA	A	B	C	D	E	F	WEIGHT (g)
C10.APE.25.25	-	50	17.5	25	17.5	30	25	69
C10.APE.25.50	-	70	17.5	50	42.5	30	25	87
C10.APED.25.50	NPC.BVMB2550T	55	17.5	25	14.5	25	50	69
C10.APED.50.50	-	75	17.5	25	42.5	25	55	87
-	NPC.BVMB5070T	70	17.5	50	42.5	30	25	85
C10.APE.40.40	-	62	32	40	32	45	40	128

For perfect 90° connections of two profiles.
End of profile needs to be tapped.



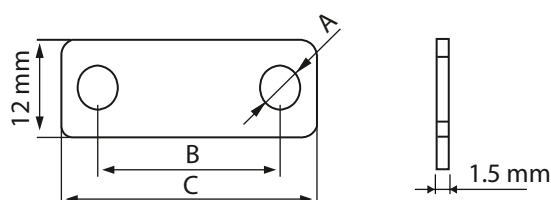
PROFILE CONNECTOR STRAIGHT



REFERENCE	INORMA	A	B	WEIGHT (g)
C10.AMA.VBG.X.25.50	NPC.BSP2550T	25	50	47
C10.AMA.VBG.X.50.50	-	50	50	94
C10.AMA.VBG.X.25.100	NPC.BSP25100T	25	100	88
C10.AMA.VBG.J.40.80	-	40	80	97
C10.AMA.VBG.J.40.160	NPC.BSP40160T	40	160	215

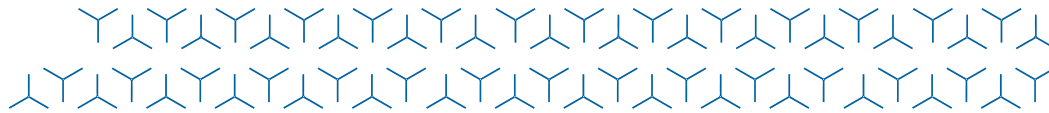
Material: Steel.

DOUBLE HOLE SHIM

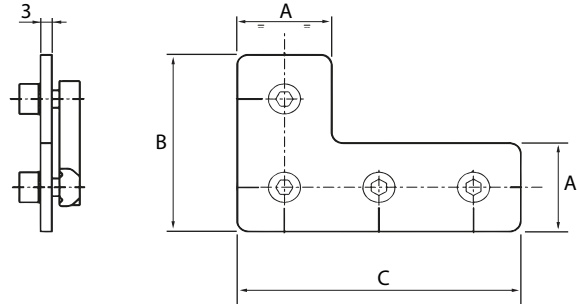


INORMA	A	B	C
NPC.STDM4D8	4.5	8	16
NPC.STDM5D10	5.5	10	20
NPC.STDM5D15	5.5	15	25
NPC.STDM5D17	5.5	17	25
NPC.STDM5D22	5.5	22	32
NPC.STDM5D25	5.5	25	35

Material: Steel.



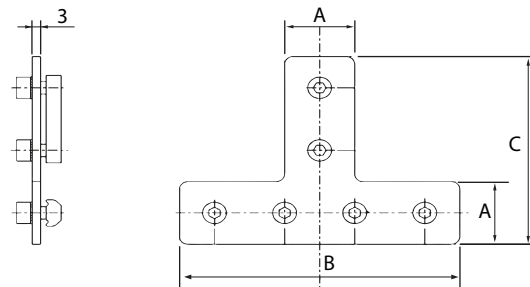
PROFILE CONNECTOR L-STYLE



REFERENCE	INORMA	A	B	C	WEIGHT (g)
C10.AMA.VBL.50.50	NPC.BLP2550T	25	50	50	66
C10.AMA.VBL.50.75	NPC.BLP2575T	25	50	75	90
C10.AMA.VBL.80.80	-	40	80	80	147
C10.AMA.VBL.80.120	NPC.BLP40120T	40	80	120	200

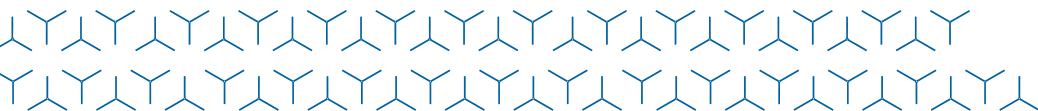
Material: Steel.

PROFILE CONNECTOR T-STYLE

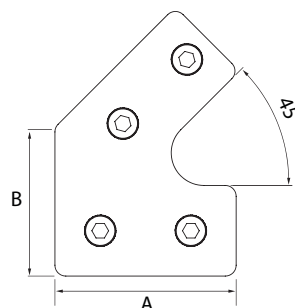


REFERENCE	INORMA	A	B	C	WEIGHT (g)
-	NPC.BTP2550T	25	50	75	95
C10.AMA.VBT.50.75	-	25	75	75	123
C10.AMA.VBT.75.100	NPC.BTP25100T	25	100	75	139
C10.AMA.VBT.120.80	-	40	80	120	264
-	NPC.BTP40120T	40	120	110	250

Material: Steel.



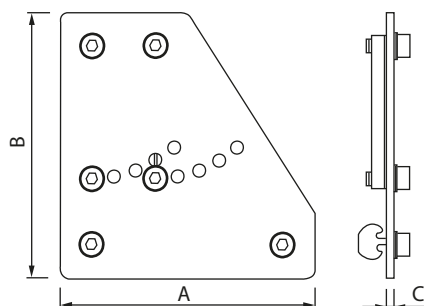
PROFILE CONNECTOR 45°



REFERENCE	INORMA	A	B	Thickness	WEIGHT (g)
-	NPC.BTP45T	25	40	3	100
C10.AMP.VBW.X.45	-	50	77	3	104
C10.AMP.VBW.J.45	-	130	147	3	372

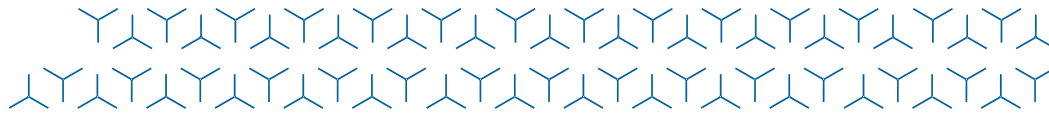
Material: Steel.

CORNER JOINT PLATE

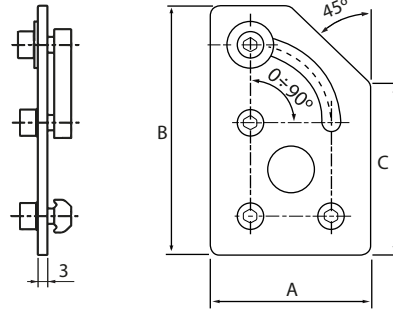


REFERENCE	A	B	C	WEIGHT (g)
C10.AMP.EVB.100.X	100	100	3	292
C10.AMP.EVB.100.J	80	100	3	206

Material: Steel.



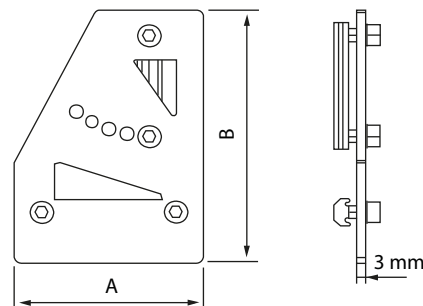
ADJUSTABLE PROFILE CONNECTOR (0-90°)



REFERENCE	INORMA	A	B	C	WEIGHT (g)
-	NPC.BAPA50T	50	80	55	115
C10.AMP.VBW.X.0.90	-	50	70	36	112
C10.AMP.VBW.J.0.90	-	80	120	60	249

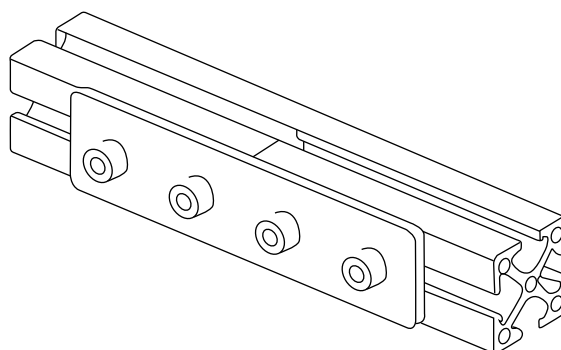
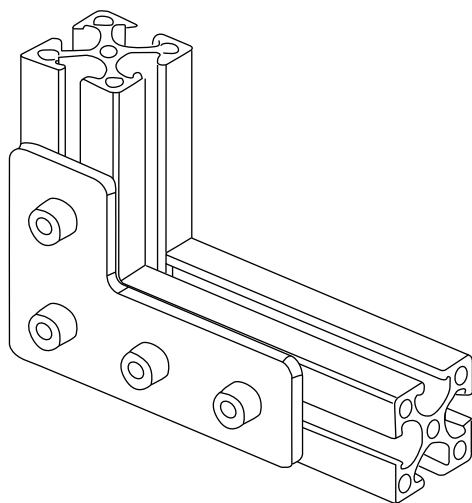
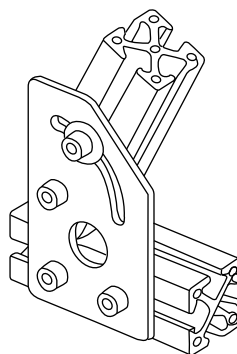
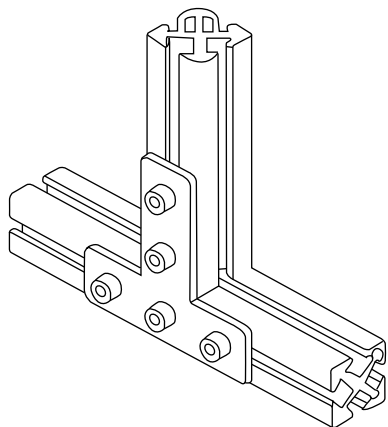
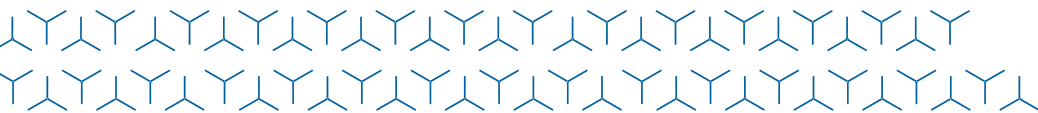
Material: Steel.

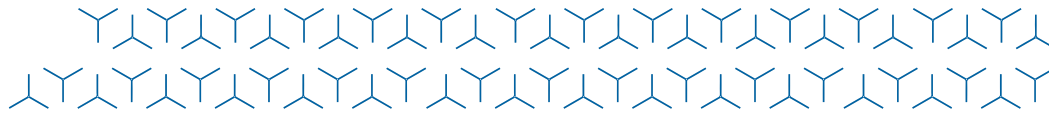
SHAPED FIXING PLATE WITH ADJUSTABLE ANGLE



INORMA	A	B	WEIGHT (g)
NPC.BAPA60T	60	85	130
NPC.BAPA70T	70	100	180
NPC.BAPA90T	90	95	210

Material: Steel.





CROSS CLAMPS



D2

ANGLE CLAMPS



D4

ANGLE CLAMPS
WITH BALL JOINT



D7

ANGLE CLAMPS
WITH SWIVEL HEAD



D9

SLOTTED MOUNTING
BRACKETS



D11

THREADED MOUNTING
BRACKETS



D12

CROSS TUBE
CONNECTOR

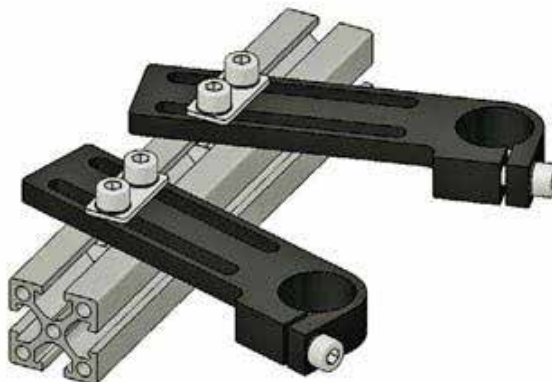


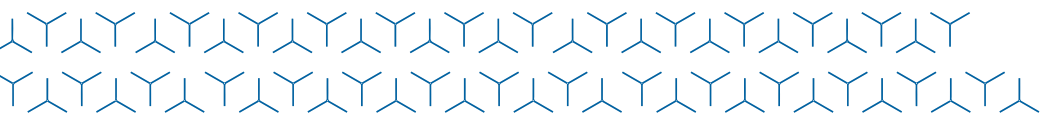
D14

PARALLEL TUBE
CONNECTOR

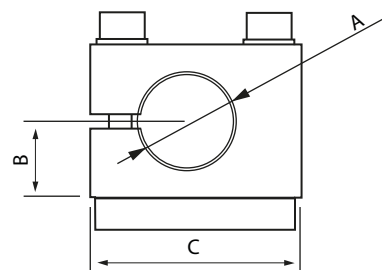
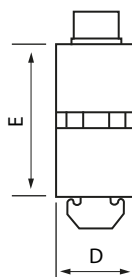


D16



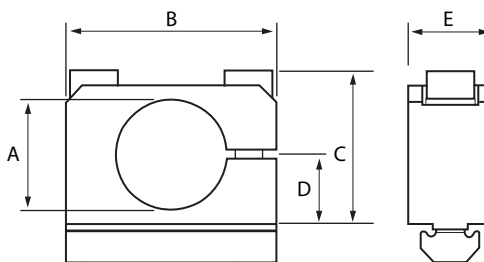


CROSS CONNECTOR - ROUND

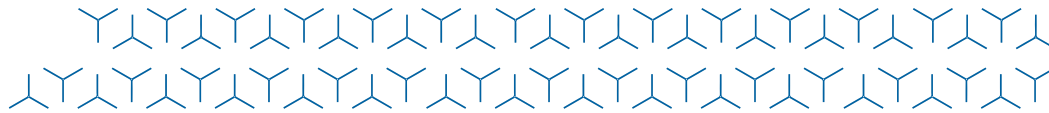


REFERENCE	A	B	C	D	E	WEIGHT (g)
C10.ACCR.10.X	10	7	25	10	14	22
C10.ACCR.14.X	14	9.5	32	12	19	36
C10.ACCR.20.X	20	14	40	15	28	58
C10.ACCR.20.J	20	14	40	20	28	75
C10.ACCR.30.J	30	18	50	20	36	97

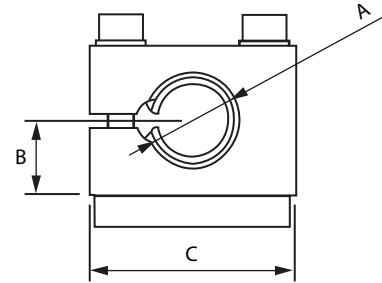
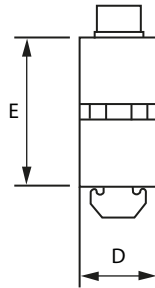
ROUND CLAMP



INORMA	A	B	C	D	E	WEIGHT (g)
NPC.BRMB1025T	10	25	18.5	7	10	24
NPC.BRMB1432T	14	32	18.5	9	12	32
NPC.BRMB2038T	20	38	24	12.5	15	45
NPC.BRMB3050T	30	50	34	17	20	75
NPC.BRMB5070T	50	70	56	28	25	150

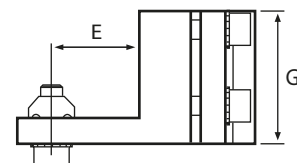
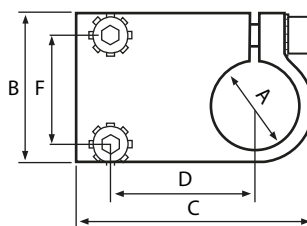


CROSS CONNECTOR - ROUND WITH BALL JOINT

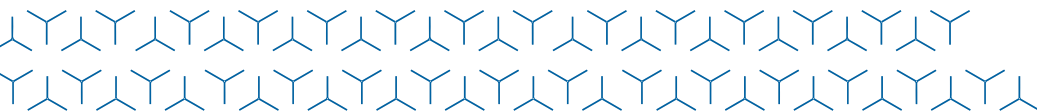


REFERENCE	A	B	C	D	E	WEIGHT (g)
C10.ACCRB.10.X	10	12	35	12	24	51
C10.ACCRB.14.X	14	14	40	15	28	68
C10.ACCRB.20.X	20	18	50	20	36	135
C10.ACCRB.20.J	20	18	55	20	36	156

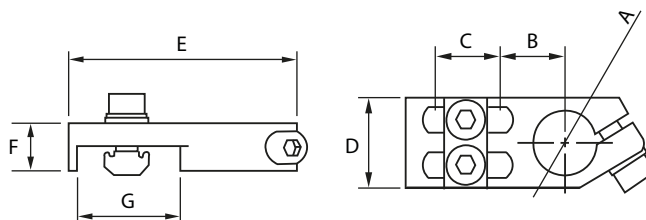
CLAMP ANGLE



REFERENCE	INORMA	A	B	C	D	E	F	G	WEIGHT (g)
C10.AACH.10.L	-	10	20	-	16	18	-	20	25
C10.AACH.10.X	-	10	25	-	19.5	12.5	-	25	50
C10.AACH.14.X	NPC.BMBA41412T	14	25	40	22	12.5	15	25	46
C10.AACH.20.X	NPC.BMBA42012T	20	35	45	24.5	12.5	22	30	70
C10.AACH.20.J	NPC.BMBA42020T	20	35	54.5	33	20	25	35	90
C10.AACH.30.J	NPC.BMBA43012T	30	40	55	29.5	12.5	30	30	90
-	NPC.BMBA43020T	30	40	65.5	39	20	30	40	100



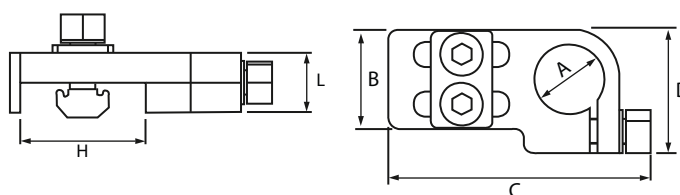
SHORT ANGLE CLAMP



REFERENCE	A	B	C	D	E	F	G	WEIGHT (g)
C10.AACS.10.L	10	12.2	9	16	42	8	18	21
C10.AACS.10.X	10	12.2	15	16	49	8	25	22
C10.AACS.14.X	14	15	15	20	55	12	25	37
C10.AACS.20.X	20	18	15	25	63	15	25	50
C10.AACS.20.J	20	18	30	25	78	15	40	54
C10.AACS.30.X	30	23.5	15	35	75.5	20	25	82
C10.AACS.30.J	30	23.5	29	35	90.5	20	40	92

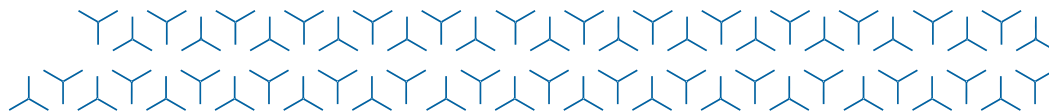
Material: Aluminium. Screws Included.

SHORT MOUNTING BRACKET

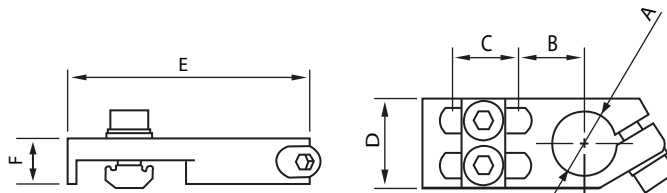


INORMA	A	B	C	D	H	L	WEIGHT (g)
NPC.BMBE1010T	10	16	43	20	18	8	20
NPC.BMBE1014T	10	16	49	20	25	8	21
NPC.BMBE1210T	12	16	43	20	18	8	22
NPC.BMBE1214T	12	16	50	20.5	25	8	22
NPC.BMBE1414T	14	20	52	25	25	12	34
NPC.BMBE2014T	20	25	57	30	25	12	45
NPC.BMBE2022T	20	25	74	30	40	12	50

Material: Aluminium. Screws Included.



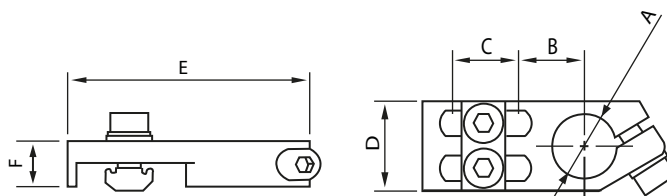
MEDIUM ANGLE CLAMP



REFERENCE	INORMA	A	B	C	D	E	F	WEIGHT (g)
C10.AACM.1020.L	NPC.ACM.1020.L	10	16.5	20	16	56	4	23
C10.AACM.1425.X	NPC.ACM.1425.X	14	19	25	20	70	6	36
C10.AACM.2035.X	NPC.ACM.2035.X	20	22	35	25	82	7.5	55
C10.AACM.3035.X	NPC.ACM.3035.X	30	28.5	35	35	96	10	94

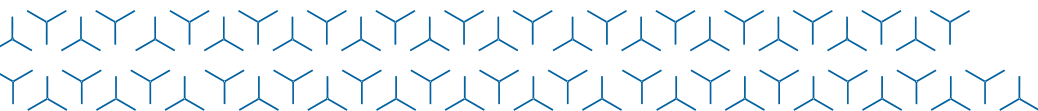
Material: Aluminium. Screws Included.

LONG ANGLE CLAMP

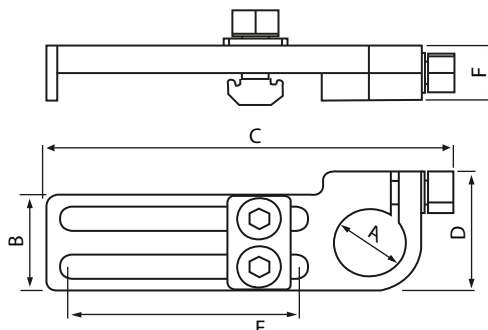


REFERENCE	INORMA	A	B	C	D	E	F	WEIGHT (g)
C10.AACL.1040.L	NPC.ACL.1040.L	10	16.5	40	16	76	4	24
C10.AACL.1040.X	NPC.ACL.1040.X	10	16.5	40	16	76	4	24
C10.AACL.1440.X	NPC.ACL.1440.X	14	19	40	20	85	6	39
C10.AACL.1450.X	NPC.ACL.1450.X	14	19	50	20	95	6	42
C10.AACL.2060.X	NPC.ACL.2060.X	20	22	60	25	112	7.5	62
C10.AACL.2070.J	NPC.ACL.2070.J	20	22	70	28	123	7.5	77
C10.AACL.3060.X	NPC.ACL.3060.X	30	28.5	60	35	126	10	113
C10.AACL.3070.J	NPC.ACL.3070.J	30	28.5	70	35	136	10	130

Material: Aluminium. Screws Included.



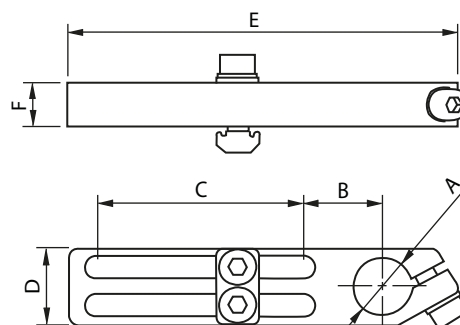
LONG MOUNTING BRACKET



INORMA	A	B	C	D	E	F	WEIGHT (g)
NPC.BMBA10840T	8	16	75	20	40	8	13
NPC.BMBA11040T	10	16	75	20	40	8	26
NPC.BMBA11240T	12	16	75	20	40	8	25
NPC.BMBA11440T	14	20	81	25	40	12	40
NPC.BMBA11450T	14	20	91	25	50	12	43
NPC.BMBA12060T	20	25	111	30	60	12	55
NPC.BMBA13060T	30	35	121	40	60	13	95

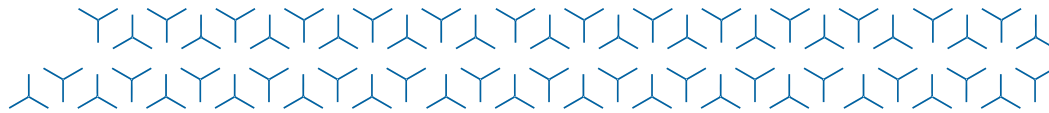
Material: Aluminium. Screws Included.

LONG ANGLE CLAMP - HEAVY DUTY

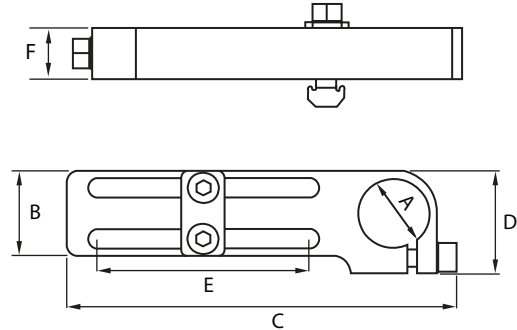


REFERENCE	A	B	C	D	E	F	WEIGHT (g)
C10.AACLH.1040.X	10	16.5	40	16	76	8	30
C10.AACLH.1450.X	14	19	50	20	95	12	57
C10.AACLH.2060.X	20	22	60	25	112	15	90
C10.AACLH.2070.X	20	22	70	28	123	15	112
C10.AACLH.3070.J	30	28.5	70	35	136	20	185

Material: Aluminium. Screws Included.



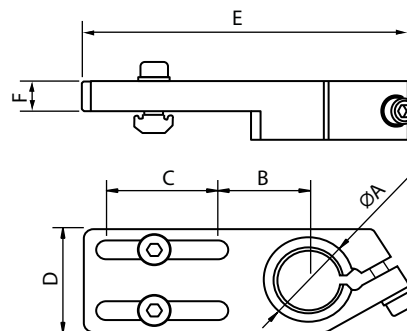
LONG ANGLE CLAMP - HEAVY DUTY



INORMA	A	B	C	D	E	F	WEIGHT (g)
NPC.BMBA21040T	10	16	75	20	40	8.5	30
NPC.BMBA21240T	12	16	75	20	40	8.5	30
NPC.BMBA21450T	14	20	91	25	50	12	55
NPC.BMBA22060T	20	25	111	30	60	15.5	95
NPC.BMBA23060T	30	35	121	40	60	20	175

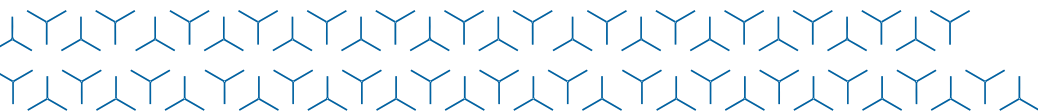
Material: Aluminium. Screws Included.

MEDIUM CLAMP ANGLE WITH BALL JOINT

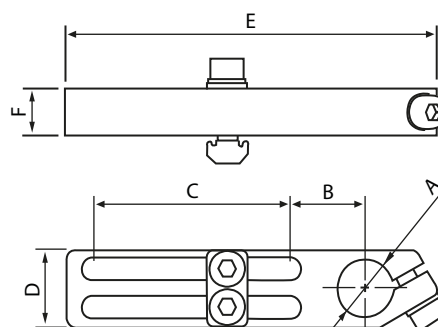


REFERENCE	A	B	C	D	E	F	WEIGHT (g)
C10.AACMB.1020.L	10	19	20	20	65	6	52
C10.AACMB.1425.X	14	22	35	25	87	6	60
C10.AACMB.2035.X	20	28,5	35	35	102	10	150

Material: Aluminium. Screws Included.
Integrated with a ball joint for rotational adjustment.



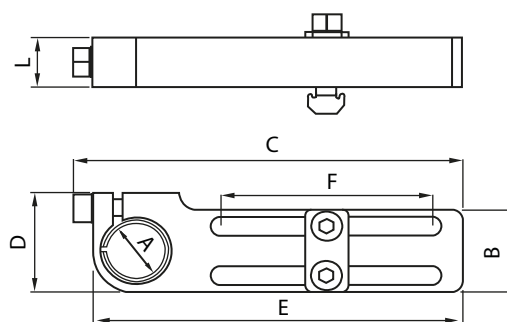
LONG ANGLE CLAMP WITH BALL JOINT



REFERENCE	A	B	C	D	E	F	WEIGHT (g)
C10.AACLB.1050.X	10	19	50	20	95	6	56
C10.AACLB.1460.X	14	22	60	25	112	6	66
C10.AACLB.2060.X	20	28.5	60	35	127	10	166

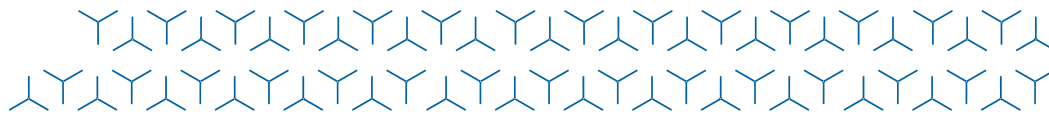
Material: Aluminium. Screws included.

LONG ANGLE CLAMP WITH BALL JOINT

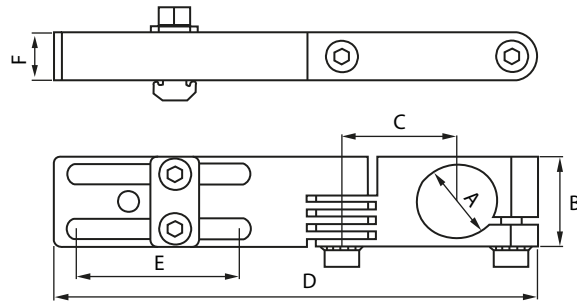


INORMA	A	B	C	D	F	L	WEIGHT (g)
NPC.BMBA2R1040T	10	20	80	25	50	8.5	45
NPC.BMBA2R1450T	14	25	100	31	60	12	88
NPC.BMBA2R2060T	20	35	122	42	60	15	172

Material: Aluminium. Screws included.



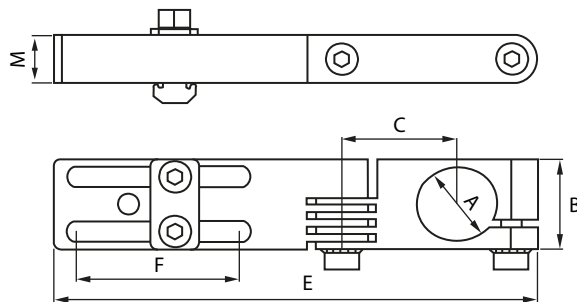
LONG ANGLE CLAMP - SWIVEL HEAD



REFERENCE	A	B	C	D	E	F	WEIGHT (g)
C10.AACLS.1040.X	10	20	27.5	86	40	10	55
C10.AACLS.1450.X	14	20	32	102.5	50	12	67
C10.AACLS.2060.X	20	25	37.5	124.5	60	15	115
C10.AACLS.3080.X	30	35	50	166.5	80	20	254

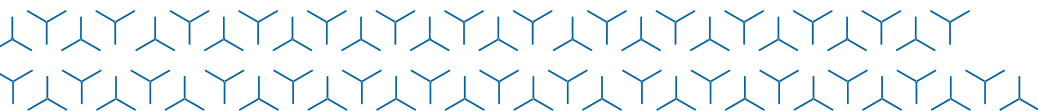
Material: Aluminium. Screws included.
90° movement.

LONG ANGLE CLAMP - SWIVEL HEAD

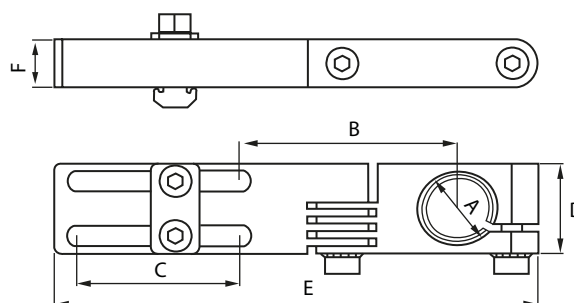


INORMA	A	B	C	E	F	M	WEIGHT (g)
NPC.BMBA31020T	10	16	14	70	20	9	30
NPC.BMBA31220T	12	16	14	70	20	9	35
NPC.BMBA31430T	14	25	17	85	30	11	65
NPC.BMBA32040T	20	25	22	105	40	13	100
NPC.BMBA33050T	30	36	28	115	50	16	185

Material: Aluminium. Screws included.
90° movement.



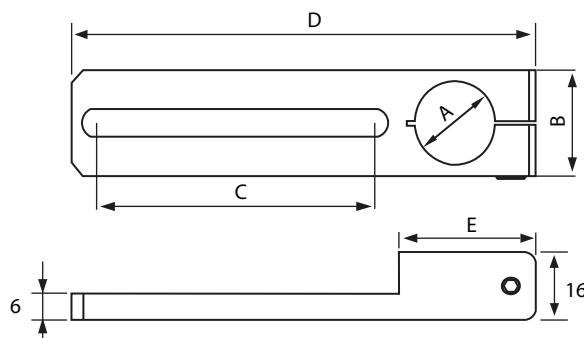
LONG ANGLE CLAMP - SWIVEL HEAD AND BALL JOINT



REFERENCE	A	B	C	D	E	F	WEIGHT (g)
C10.AACLSB.1050.X	10	32	50	20	102.5	12	74
C10.AACLSB.1460.X	14	37.5	60	25	124.5	15	126
C10.AACLSB.2080.X	20	50	80	35	166.5	20	304

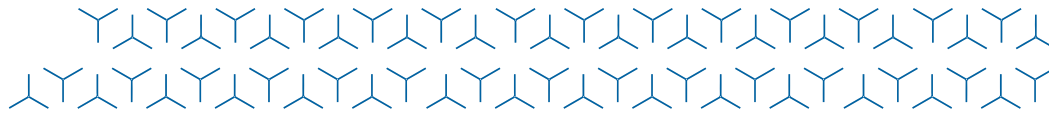
Material: Aluminium. Screws included.

LAST MINUTE BRACKET

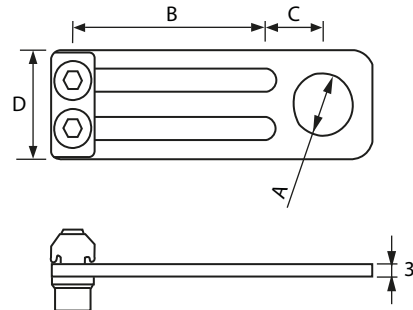


INORMA	A	B	C	D	E	WEIGHT (g)
NPC.GSCF0840W12	8	12	40	70	20	14
NPC.GSCF0870W12	8	12	70	100	20	18
NPC.GSCF0840W16	8	16	40	70	20	20
NPC.GSCF0870W16	8	16	70	100	20	25
NPC.GSCF1240W16	12	16	40	75	25	21
NPC.GSCF1270W16	12	16	70	105	25	25
NPC.GSCF2040W25	20	25	40	86	34	39
NPC.GSCF2070W25	20	25	70	116	34	49

Material: Aluminium. Screws included.
Slot 6,5mm



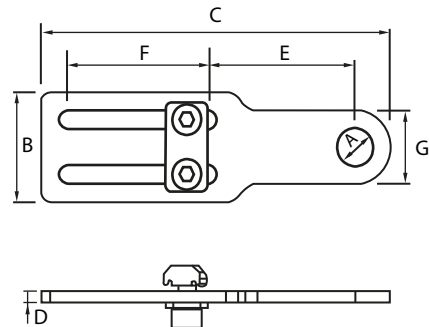
MOUNTING BRACKET



REFERENCE	A	B	C	D	WEIGHT (g)
C10.AMB.04.20.10.X	10	40	11	20	35
C10.AMB.04.20.14.X	14	46	14	25	45

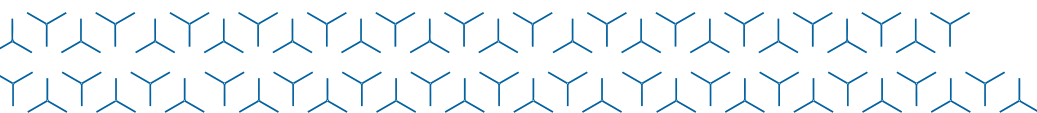
Material: Steel. Screws included.

SLOTTED MOUNTING BRACKET

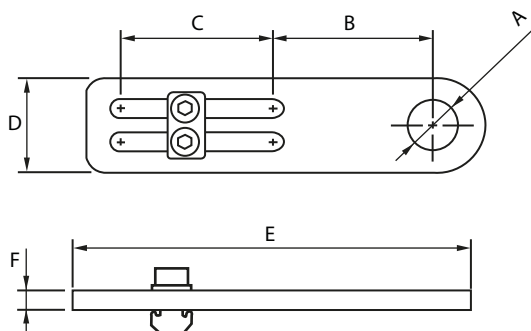


REFERENCE	INORMA	A	B	C	D	E	F	G	WEIGHT (g)
C10.AMBS.1040.X	NPC.BMBA61040T	10.5	30	100	3	42.5	40	20	60
C10.AMBS.1240.X	NPC.BMBA61240T	12.5	30	100	3	42.5	40	20	60
C10.AMBS.1440.X	NPC.BMBA61440T	14.5	30	100	3	40	40	24	60
C10.AMBS.1640.X	NPC.BMBA61640T	16.5	30	100	3	40	40	30	65
C10.AMBS.2040.X	NPC.BMBA62040T	20.5	30	100	3	42.5	40	30	60
-	NPC.BMBA62240T	22.5	30	100	5	42.5	40	6	105
-	NPC.BMBA62540T	25.5	30	100	5	42.5	40	6	100
-	NPC.BMBA61028T	10.5	30	65	3	15.5	28	30	47
-	NPC.BMBA61228T	12.5	30	65	3	15.5	28	30	47
-	NPC.BMBA61428T	14.5	30	65	3	15.5	28	30	45
-	NPC.BMBA61628T	16.5	30	65	3	15.5	28	30	45
-	NPC.BMBA62028T	20.5	30	65	3	15.5	28	30	40
-	NPC.BMBA62228T	22.5	30	70	5	17	28	6	75
-	NPC.BMBA62528T	25.5	30	70	5	17	28	6	70

Material: Steel. Screws included.



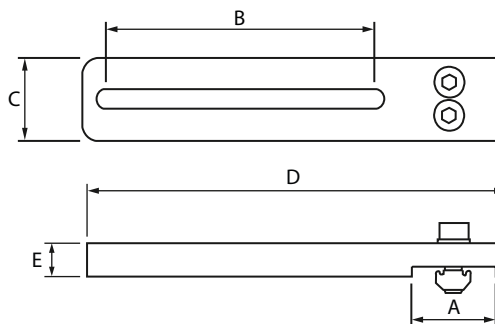
THREADED MOUNTING BRACKET



REFERENCE	A	B	C	D	F	E	WEIGHT (g)
C10.AMBT.G840.X	G 1/8	18.5	40	20	8	75	40
C10.AMBT.1040.X	M 10X1	18.5	40	25	8	75	40
C10.AMBT.1260.X	M 12X1	25.5	60	25	8	104.5	57
C10.AMBT.1460.X	M 14X1.5	25.5	60	25	8	104.5	56
C10.AMBT.1660.X	M 16X1	25.5	60	25	8	104.5	55
C10.AMBT.2060.X	M 20X1.5	25.5	60	25	8	104.5	55
C10.AMBT.2560.X	M 25X1.5	33.5	60	30	8	104.5	71
C10.AMBTS.60.X	NO HOLE	25.5	60	25	8	104.5	59

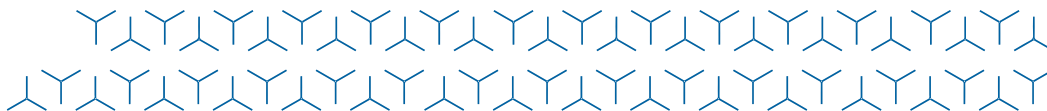
Material: Aluminium. Screws included.

CLAMP EXTENSION ARM

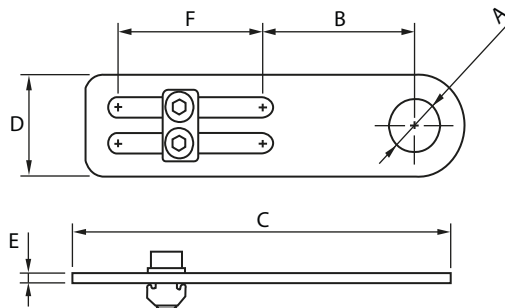


REFERENCE	A	B	C	D	E	WEIGHT (g)
C10.AMPW.1818.X	18	80	20	118	10	62
C10.AMPW.2580.X	25	80	25	125	10	81
C10.AMPW.4080.X	40	80	25	140	10	88

Material: Aluminium. Screws included.

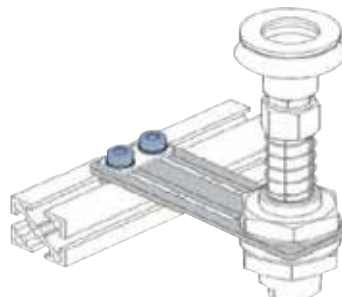
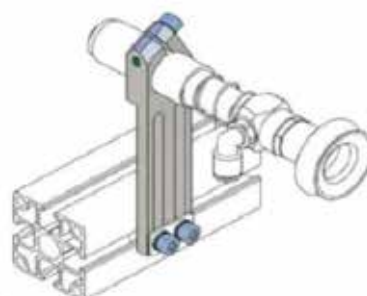
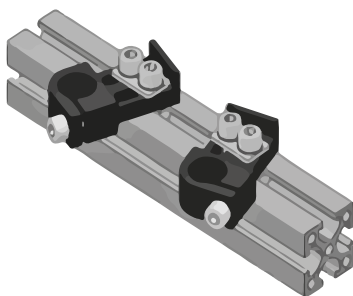


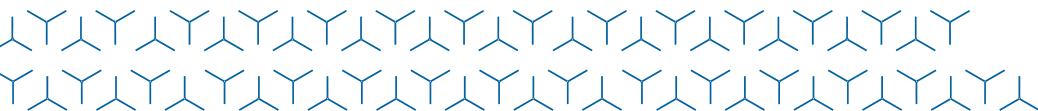
SLOTTED MOUNTING BRACKET



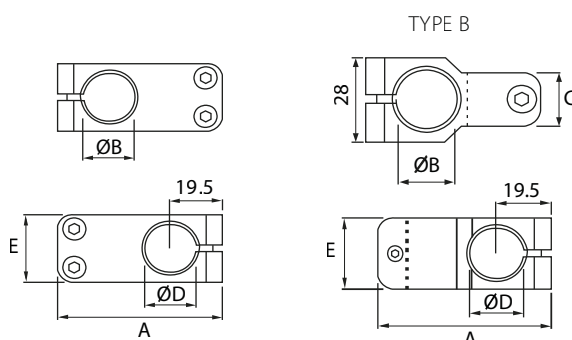
INORMA	A	B	C	D	E	F	WEIGHT (g)
NPC.BMBA5G1840T	G 1/8	20	75	19	6	40	25
NPC.BMBA5G1860T	G 1/8	25	105	26.5	6.2	60	42
NPC.BMBA5M1040T	M10x1	20	75	25	6	40	40
NPC.BMBA5M1060T	M10x1	25	105	25	6.2	60	50
NPC.BMBA5M1240T	M12x1	20	75	19	6	40	30
NPC.BMBA5M1260T	M12x1	25	105	26.5	6.2	60	47
NPC.BMBA5M1440T	M14x1	20	75	25	6	40	40
NPC.BMBA5M1460T	M14x1	25	105	25	6.2	60	50
NPC.BMBA5M1640T	M16x1	20	75	25	6	40	40
NPC.BMBA5M1660T	M16x1	25	105	25	6.2	60	50
NPC.BMBA5M2040T	M20x1	20	75	25	6	40	40
NPC.BMBA5M2060T	M20x1	25	105	25	6.2	60	45

Material: Aluminium. Screws included.





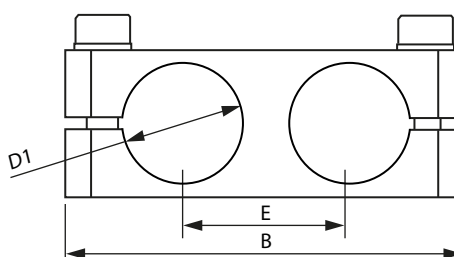
CROSS TUBE CONNECTOR



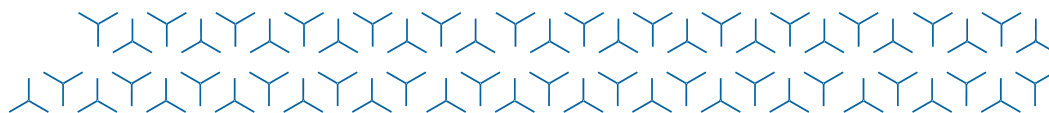
REFERENCE	INORMA	A	B	C	D	E	TYPE	WEIGHT (g)
C10.ACCT.10.10	-	38	10	-	10	14	A	17
C10.ACCT.14.14	-	50	14	-	14	18	A	35
C10.ACCT.20.10	NPC.GSCD2010	54	20	14	10	20	B	40
C10.ACCT.20.14	NPC.GSCD2014	56	20	18	14	22	B	45
C10.ACCT.20.20	NPC.GSCD2020	64	20	-	20	25	A	71

Material: Aluminium. Screws included.

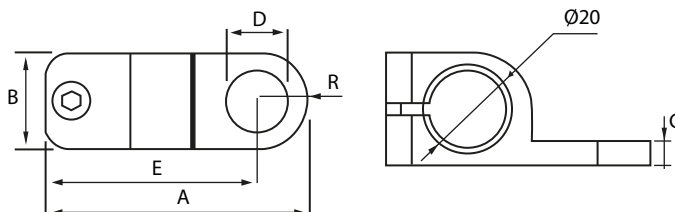
PARALLEL TUBE CONECTOR



REFERENCE	B	D1	E	WEIGHT (g)
C10.ACA.1010.15	38	10	15	12
C10.ACA.1414.20	52	14	20	27
C10.ACA.2020.26	64	20	26	47
C10.ACA.3030.38	88	30	38	104

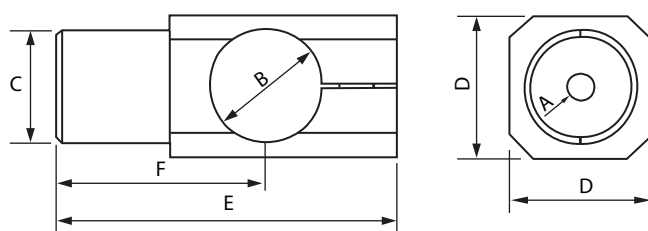


SWIVELLING SCREWED SUPPORT

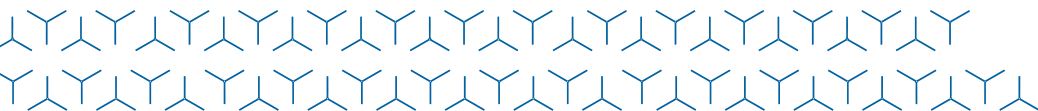


INORMA	A	B	C	D	E	R	WEIGHT (g)
NPC.GSCC20G18	53.5	19	5	G 1/8	44	R9.5	30
NPC.GSCC20M16	60.5	24	6	M 16x1	48.5	R12	40

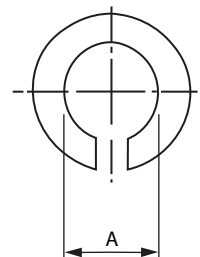
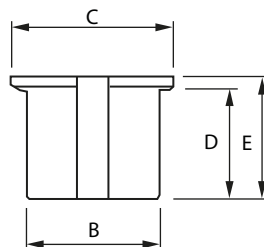
ROTATION BRACKET



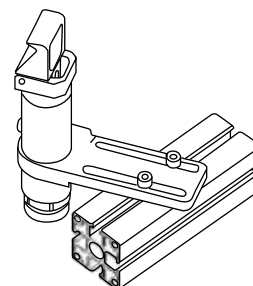
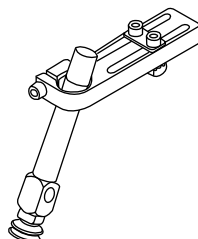
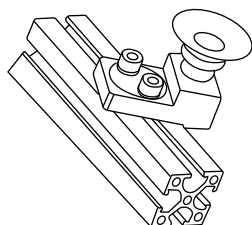
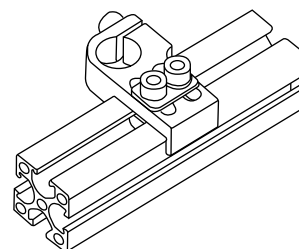
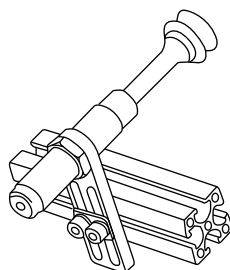
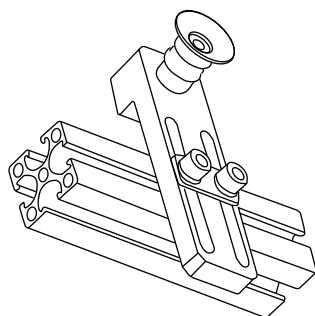
INORMA	A	B	C	D	E	F	WEIGHT (g)
NPC.GSMBR0808M4	M4	8	8	12	32.5	17.5	7
NPC.GSMBR1208M4	M4	12	8	16	37.5	21.5	13
NPC.GSMBR1212M4	M4	12	12	16	39.5	23.5	15
NPC.GSMBR1212M4L	M4	12	12	16	55	39	20
NPC.GSMBR1420M6	M6	14	20	25	60	37	70
NPC.GSMBR2020M6	M6	20	20	25	60	37	59
NPC.GSMBR2020M6L	M6	20	20	25	85	62	81

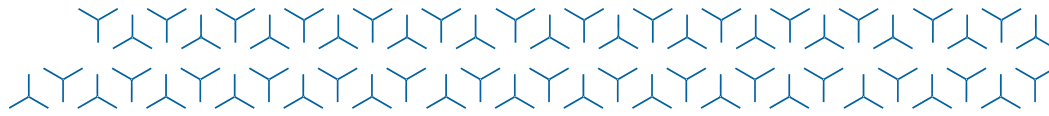


HOLE REDUCER



REFERENCE	A	B	C	D	E	WEIGHT (g)
C10.ARID.1410	10	14	18	14	16	4
C10.ARID.2014	14	20	24	20	22	9
C10.ARID.3020	20	30	30	30	30	30





**HEAVY DUTY
ELBOW ARMS**



E2

ELBOW ARMS



E3

ANGLE ARMS



E5

CENTERING PIN



E6

EXTENSION TUBES



E6

**GRIPPER SUSPENSION
-SWIVEL HEAD**



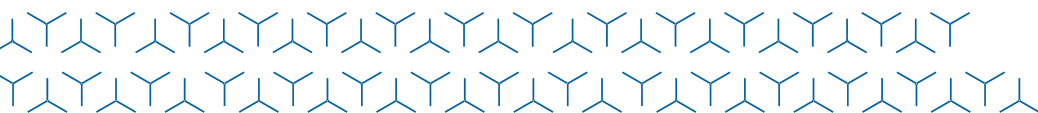
E8

**SPRING LOADED ELBOW
ARM - SWIVEL HEAD**

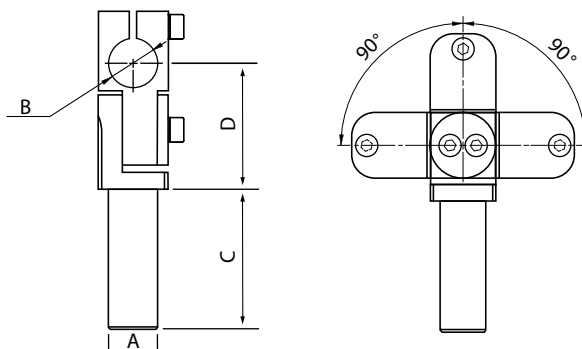


E10



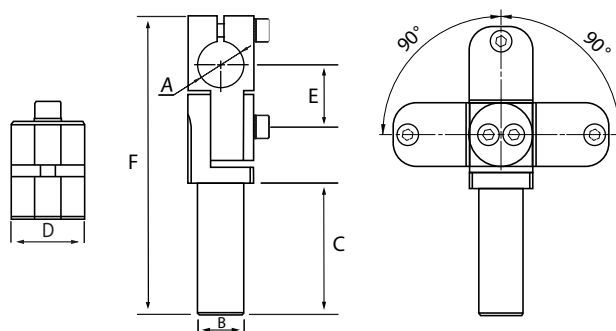


GRIPPER ELBOW ARM HEAVY DUTY

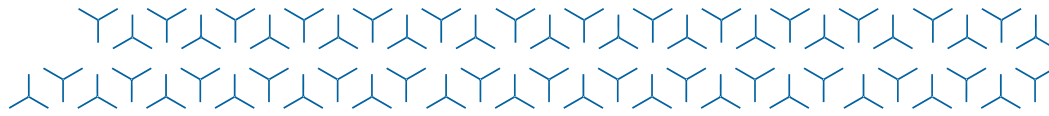


REFERENCE	A	B	C	D	WEIGHT (g)
C10.AMA.GLH.1010.030	10	10	30	30	27
C10.AMA.GLH.1010.060	10	10	60	30	31
C10.AMA.GLH.1010.090	10	10	90	30	37
C10.AMA.GLH.1414.040	14	14	40	36	56
C10.AMA.GLH.1414.080	14	14	80	36	66
C10.AMA.GLH.1414.120	14	14	120	36	83
C10.AMA.GLH.2020.050	20	20	50	45.5	111
C10.AMA.GLH.2020.100	20	20	100	45.5	127
C10.AMA.GLH.2020.150	20	20	150	45.5	169
C10.AMA.GLH.3030.080	30	30	80	60	302
C10.AMA.GLH.3030.140	30	30	140	60	394
C10.AMA.GLH.3030.200	30	30	200	60	509

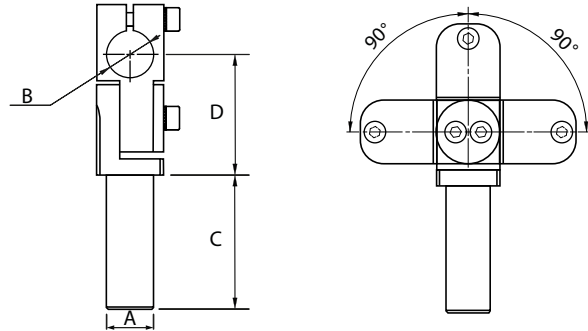
GRIPPER ELBOW ARM HEAVY DUTY



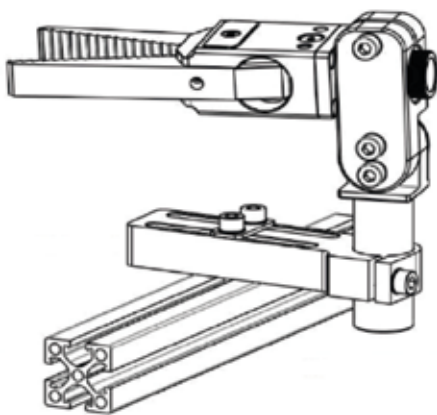
INORMA	A	B	C	D	E	F	WEIGHT (g)
NPC.GSEAH2020L50	20	20	50	25	28.7	113.5	110
NPC.GSEAH2020L100	20	20	100	25	28.7	163.5	120
NPC.GSEAH2020L150	20	20	150	25	28.7	213.5	150
NPC.GSEAH3030L80	30	30	80	35	40.7	168.5	330
NPC.GSEAH3030L140	30	30	140	35	40.7	228.5	380
NPC.GSEAH3030L200	30	30	200	35	40.7	288.5	435

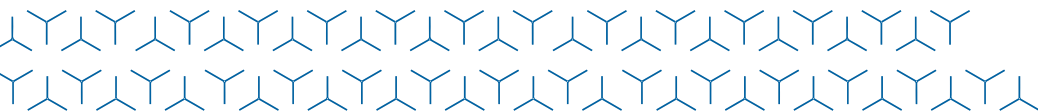


GRIPPER ELBOW ARM

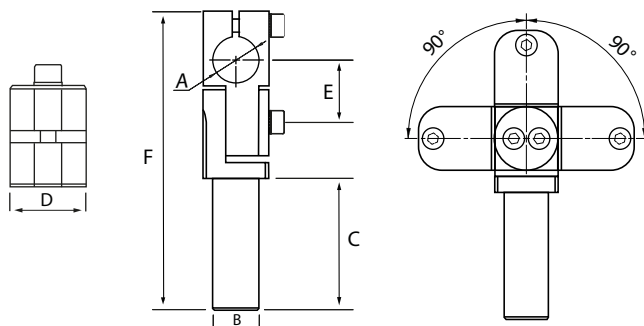


REFERENCE	A	B	C	D	WEIGHT (g)
C10.AMA.GLA.1010.30	10	10	30	22	17
C10.AMA.GLA.1010.60	10	10	60	22	21
C10.AMA.GLA.1010.90	10	10	90	22	28
C10.AMA.GLA.1414.40	14	14	40	30	43
C10.AMA.GLA.1414.80	14	14	80	30	51
C10.AMA.GLA.1414.120	14	14	120	30	70
C10.AMA.GLA.2020.50	20	20	50	38	99
C10.AMA.GLA.2020.100	20	20	100	38	106
C10.AMA.GLA.2020.150	20	20	150	38	165
C10.AMA.GLA.2030.100	20	30	100	47	315
C10.AMA.GLA.3030.100	30	30	100	52.5	315

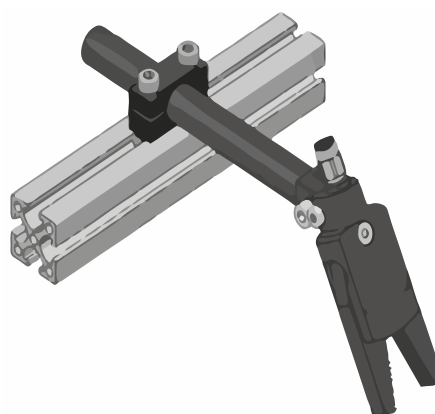
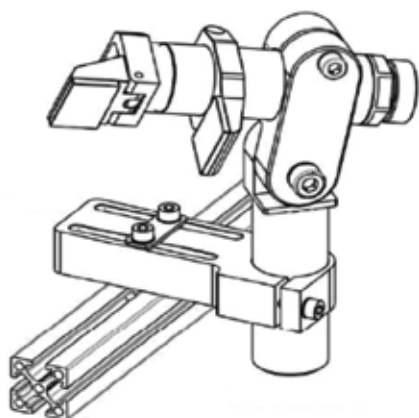


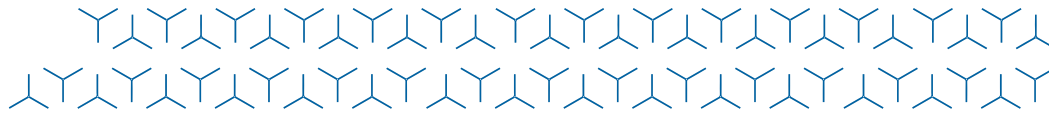


GRIPPER ELBOW ARM

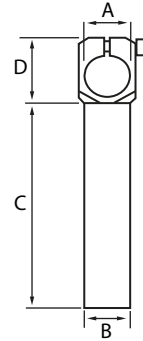


INORMA	A	B	C	D	E	F	WEIGHT (g)
NPC.GSEA1010L60	10	10	60	10	12.5	93	23
NPC.GSEA1212L60	12	12	60	12	14.5	98	35
NPC.GSEA1414L40	14	14	40	14	16.5	82	35
NPC.GSEA1414L80	14	14	80	14	16.5	122	42
NPC.GSEA1414L120	14	14	120	14	16.5	162	55
NPC.GSEA2020L50	20	20	50	20	22.5	104	80
NPC.GSEA2020L100	20	20	100	20	22.5	154	110
NPC.GSEA2020L150	20	20	150	20	22.5	204	130
NPC.GSEA3030L80	30	30	80	30	34.8	160	235
NPC.GSEA3030L140	30	30	140	30	34.8	220	300
NPC.GSEA3030L200	30	30	200	30	34.8	280	360

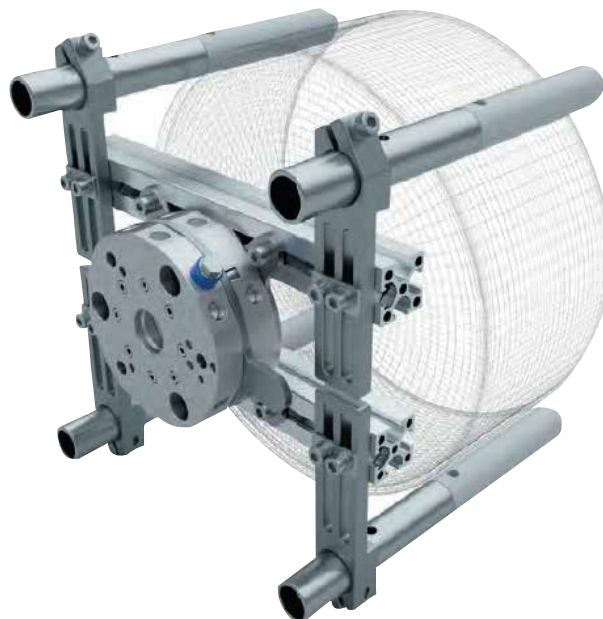


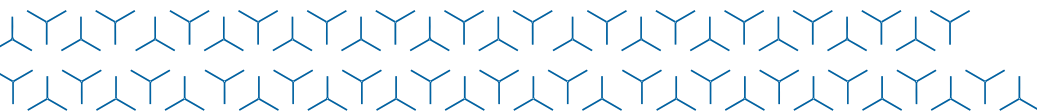


GRIPPER ANGLE ARM

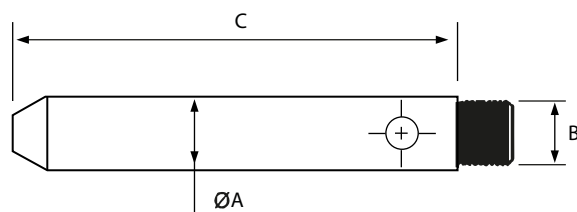


REFERENCE	INORMA	A	B	C	D	WEIGHT (g)
C10.AMA.WKA.1010.30	NPC.GSCA11010L30	10	10	30	19	10
C10.AMA.WKA.1010.60	NPC.GSCA11010L60	10	10	60	19	15
C10.AMA.WKA.1010.90	NPC.GSCA11010L90	10	10	90	19	20
-	NPC.GSCA11212L30	12	12	30	21	20
-	NPC.GSCA11212L60	12	12	60	21	25
-	NPC.GSCA11212L90	12	12	90	21	23
C10.AMA.WKA.1414.40	NPC.GSCA11414L40	14	14	40	26	20
C10.AMA.WKA.1414.80	NPC.GSCA11414L80	14	14	80	26	30
C10.AMA.WKA.1414.120	NPC.GSCA11414L120	14	14	120	26	45
C10.AMA.WKA.2020.50	NPC.GSCA12020L50	20	20	50	32	45
C10.AMA.WKA.2020.100	NPC.GSCA12020L100	20	20	100	32	70
C10.AMA.WKA.2020.150	NPC.GSCA12020L150	20	20	150	32	105
C10.AMA.WKA.3030.80	NPC.GSCA13030L80	30	30	80	44	170
C10.AMA.WKA.3030.140	NPC.GSCA13030L140	30	30	140	44	230
C10.AMA.WKA.3030.200	NPC.GSCA13030L200	30	30	200	44	300



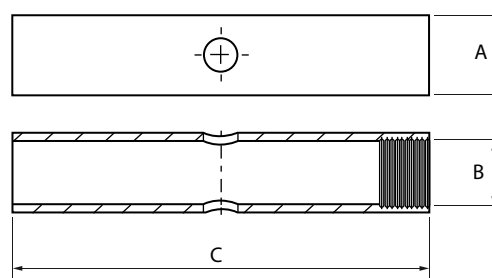


CENTERING PIN

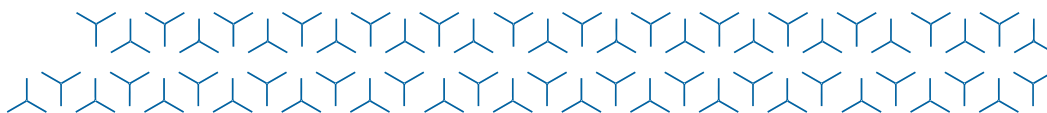


REFERENCE	A	B	C	WEIGHT (g)
C10.AMA.ZTB.1060	10	M8x1	60	7
C10.AMA.ZTB.1480	14	M12x1	80	18
C10.AMA.ZTB.20100	20	M17x1	100	47
C10.AMA.ZTB.30100	30	M27x1	100	104

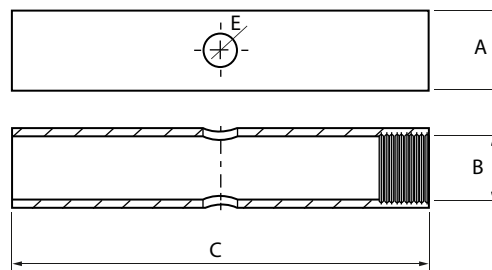
EXTENSION TUBE



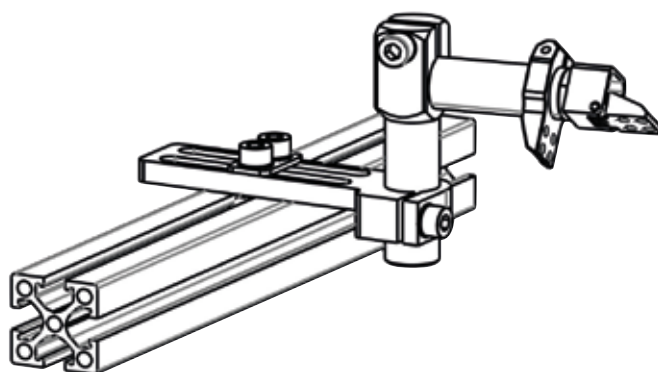
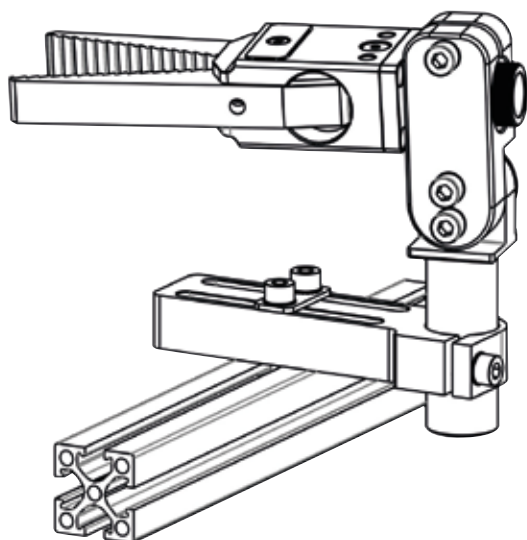
REFERENCE	A	B	C	WEIGHT (g)
C10.AMA.VLR.10.30	10	M8X1	30	3
C10.AMA.VLR.10.60	10	M8X1	60	6
C10.AMA.VLR.10.90	10	M8X1	90	10
C10.AMA.VLR.14.40	14	M12X1	40	6
C10.AMA.VLR.14.80	14	M12X1	80	13
C10.AMA.VLR.14.120	14	M12X1	120	19
C10.AMA.VLR.20.050	20	M17X1	50	15
C10.AMA.VLR.20.100	20	M17X1	100	31
C10.AMA.VLR.20.150	20	M17X1	150	46
C10.AMA.VLR.30.80	30	M27X1	80	38
C10.AMA.VLR.30.140	30	M27X1	140	67

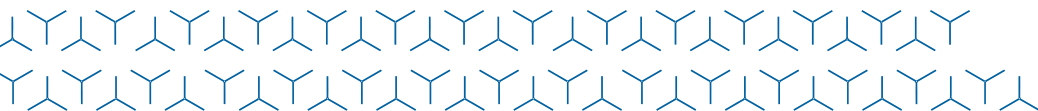


EXTENSION TUBE

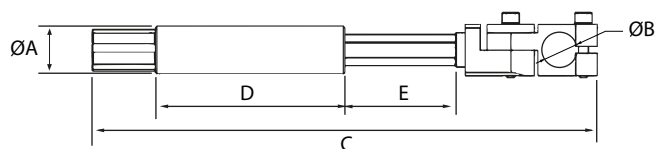


INORMA	A	B	C	E	WEIGHT (g)
NPC.BETB1250	12	M10x1	50	5	9
NPC.BETB12100	12	M10x1	100	5	17
NPC.BETB1450	14	M12x1	50	5	10
NPC.BETB14100	14	M12x1	100	5	20
NPC.BETB2050	20	M17x1	50	8	16
NPC.BETB20100	20	M17x1	100	8	35
NPC.BETB20150	20	M17x1	150	8	47
NPC.BETB3050	30	M27x1	50	9	29
NPC.BETB30100	30	M27x1	100	9	58
NPC.BETB30150	30	M27x1	150	9	87



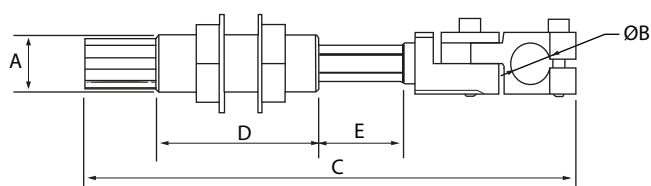


GRIPPER SUSPENSION SMOOTH BODY (NON-ROTATIVE) ADJUSTABLE CLAMP

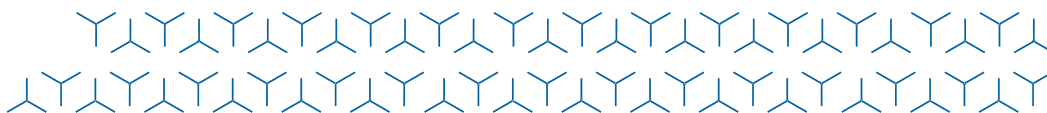


REFERENCE	A	B	C	D	E	F(N)	WEIGHT (g)
C10.ASXPC.1420.10	14	10	128	42	20	8,9	43
C10.ASXPC.1435.10	14	10	160	60	35	9,5	50
C10.ASXPC.2025.14	20	14	153	55	25	11	95
C10.ASXPC.2025.20	20	20	166	55	25	11	111

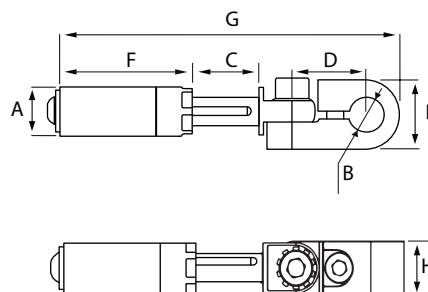
GRIPPER SUSPENSION THREADED BODY (NON-ROTATIVE) ADJUSTABLE CLAMP



REFERENCE	A	B	C	D	E	F(N)	WEIGHT (g)
C10.ASXPCT.1420.10	M 14X1.5	10	128	42	20	8,9	55
C10.ASXPCT.2025.14	M 20X1.5	14	153	55	25	11	130



SMOOTH-BODY NON-ROTATIVE SUSPENSIONS WITH ADJUSTABLE CLAMP

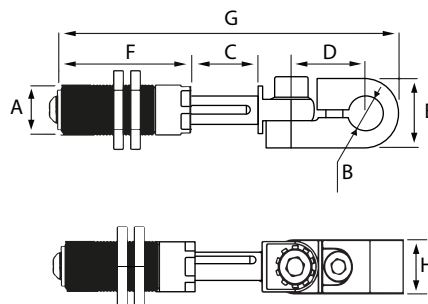


INORMA	A	B	C	D	E	F	G	H	WEIGHT (g)
NPC.GSK14C2008	14	8	20	22.5	20	40	97	24	36
NPC.GSK14C2010	14	10	20	22.5	20	40	100	15	50
NPC.GSK14C2012	14	12	20	22.5	20	40	100	15	50
NPC.GSK20C2514	20	14	25	22.5	20	50	120	24	72
NPC.GSK20C2520	20	20	25	25	27	50	125	27	90
NPC.GSK20C5020	20	20	50	25	27	84	180	27	125

Adjustable 0-90. 1-8bar.

Material: Anodized aluminium

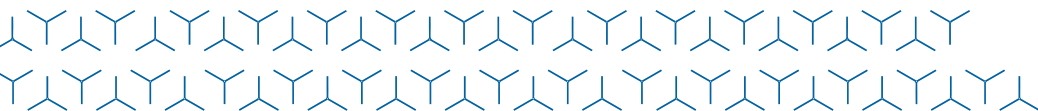
SMOOTH-BODY NON-ROTATIVE SUSPENSIONS WITH ADJUSTABLE CLAMP



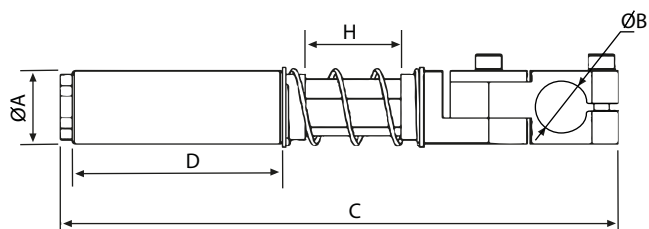
INORMA	A	B	C	D	E	F	G	H	WEIGHT (g)
NPC.GSKT14C2008	M14x1	8	20	22.5	20	40	97	24	36
NPC.GSKT14C2010	M14x1	10	20	22.5	20	40	97	24	35
NPC.GSKT14C2012	M14x1	12	20	22.5	20	40	97	24	34
NPC.GSKT20C2514	M20x1	14	25	22.5	20	50	120	24	72
NPC.GSKT20C2520	M20x1	20	25	25	27	50	125	27	90
NPC.GSKT20C5020	M20x1	20	50	25	27	84	180	27	125

Adjustable 0-90. 1-8bar.

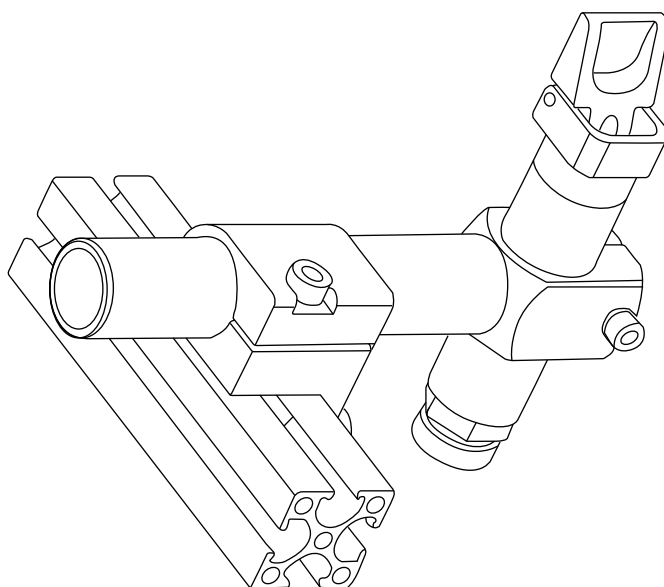
Material: Anodized aluminium

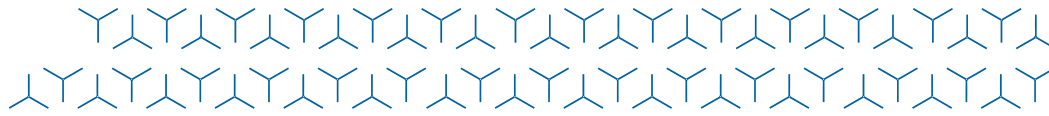


SPRING LOADED ELBOW ARM SMOOTH BODY (NON-ROTATIVE) SWIVEL HEAD



REFERENCE	A	B	C	D	H	WEIGHT (g)
C10.ASVPC.1415.10	14	10	106	32	15	58
C10.ASVPC.2025.14	20	14	144	55	25	149
C10.ASVPC.2025.20	20	20	157	55	25	164





**RIGID VACUUM CUP
ARMS**



F2

**VACUUM CUP
MOUNTS**



F6

**VACUUM CUP
MOUNTS - LONG**



F7

**SUSPENSIONS
ROTATIVE**



F10

**SUSPENSIONS
NON-ROTATIVE**



F12

**SUSPENSIONS
NON-ROTATIVE SWIVEL HEAD**



F14

**SPRING LOADED VACUUM
CUP ARM ROTATIVE**



F17

**SPRING LOADED VACUUM
CUP ARM NON-ROTATIVE**



F19

**SPRING LOADED VACUUM CUP
ARM NON-ROTATIVE SWIVEL HEAD**



F22

**TELESCOPIC SELF-
RETRACTING SUSPENSIONS**

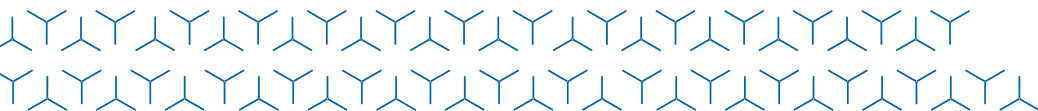


F23

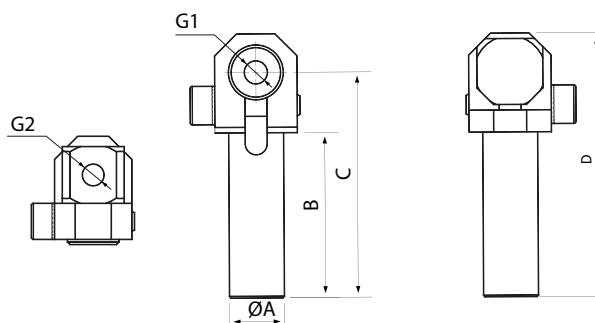
SPRING ROD



F24

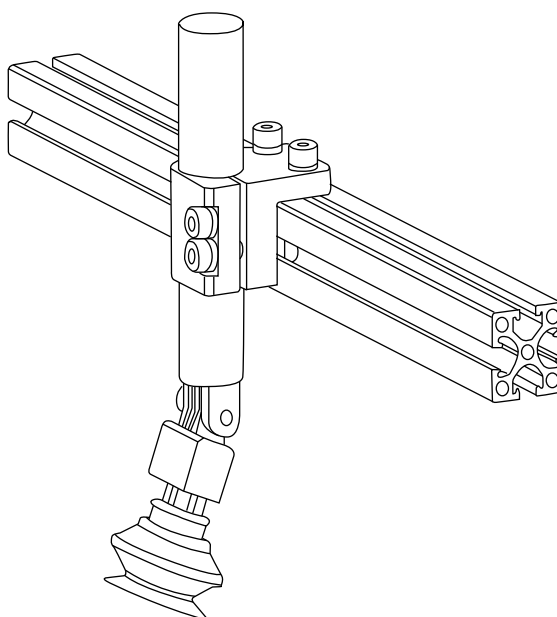


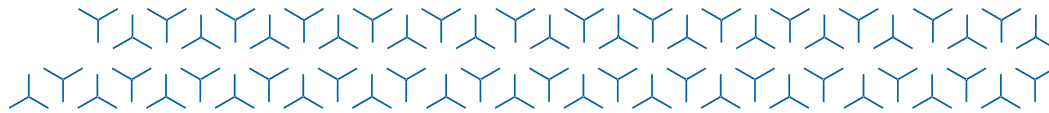
ELBOW ARM FOR VACUUM CUPS



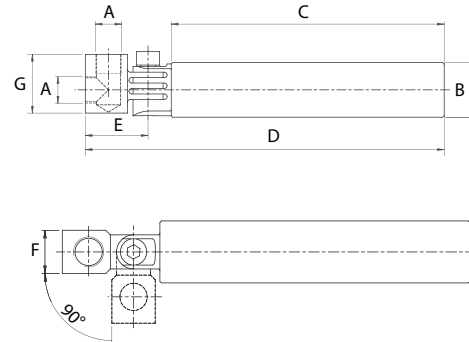
REFERENCE	A	B	C	D	G1	G2	WEIGHT (g)
C10.AVGE.10030.0505	10	30	41	48	M5	M5	14
C10.AVGE.10060.0505	10	60	71	78	M5	M5	17
C10.AVGE.10090.0505	10	90	101	108	M5	M5	20
C10.AVGE.14040.1818	14	40	56	65	G 1/8	G 1/8	29
C10.AVGE.14080.1818	14	80	96	105	G 1/8	G 1/8	38
C10.AVGE.14120.1818	14	120	136	145	G 1/8	G 1/8	45
C10.AVGE.20050.1418	20	50	68	80	G 1/8	G 1/4	56
C10.AVGE.20100.1418	20	100	118	130	G 1/8	G 1/4	70
C10.AVGE.20150.1418	20	150	168	180	G 1/8	G 1/4	87
C10.AVGE.20050.1414	20	50	68	80	G 1/4	G 1/4	55
C10.AVGE.20100.1414	20	100	118	130	G 1/4	G 1/4	69
C10.AVGE.20150.1414	20	150	168	180	G 1/4	G 1/4	86

Angle 0°- 90°

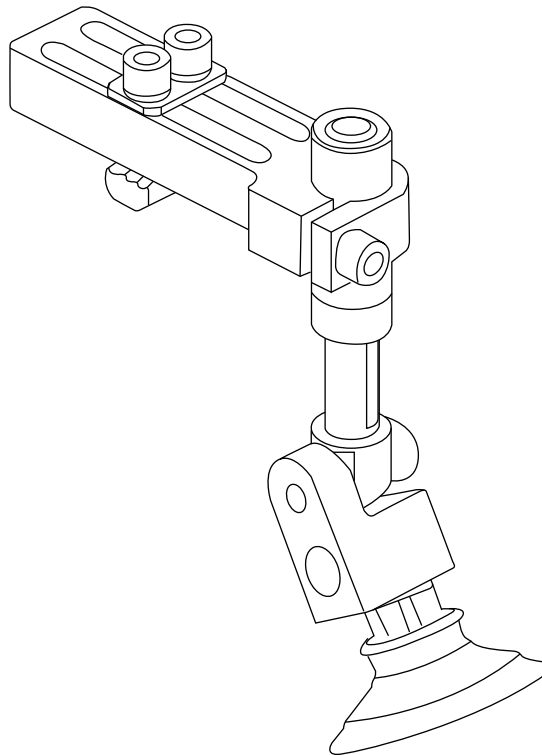


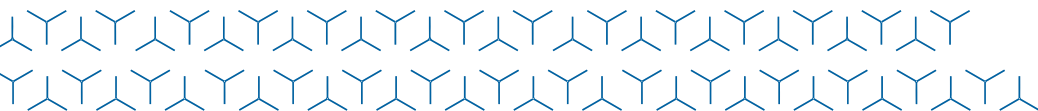


ELBOW ARM FOR VACUUM CUPS

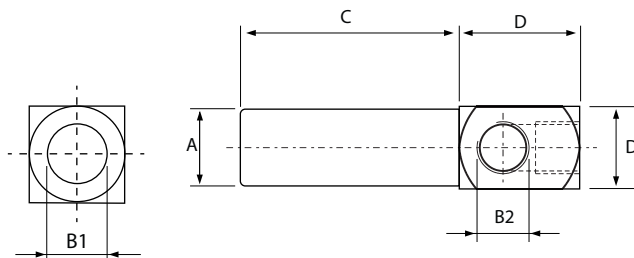


INORMA	A	B	C	D	E	F	WEIGHT (g)
NPC.GSEAVM510L45	M5	10	45	64	22	10	18
NPC.GSEAVM510L90	M5	10	90	109	22	10	27
NPC.GSEAVG1814L60	G 1/8	14	60	89	22	14	33
NPC.GSEAVG1814L120	G 1/8	14	120	149	22	14	50
NPC.GSEAVG1820L78	G 1/8	20	78	107	22	14	60
NPC.GSEAVG1820L153	G 1/8	20	153	182	22	14	100
NPC.GSEAVG1420L75	G 1/4	20	75	113	28	20	75
NPC.GSEAVG1420L150	G 1/4	20	150	188	28	20	115

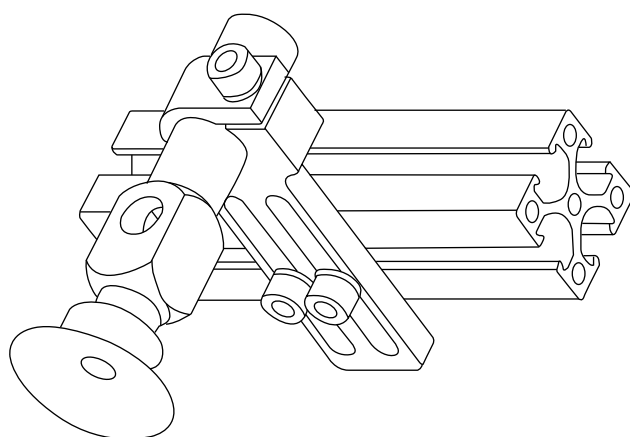


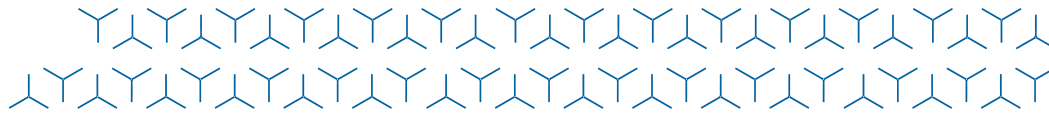


GRIPPER ARM FOR VACUUM CUPS

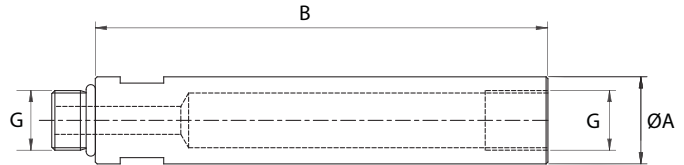


REFERENCE	INORMA	A	B1	B2	C	D	WEIGHT (g)
C10.AVGA.10030.0505	NPC.GSVEM51030	10	M5	M5	30	11	10
C10.AVGA.10060.0505	NPC.GSVEM51060	10	M5	M5	60	11	15
C10.AVGA.10090.0505	NPC.GSVEM51090	10	M5	M5	90	11	17
C10.AVGA.10030.1805	-	10	G 1/8	M5	30	11	15
C10.AVGA.10060.1805	-	10	G 1/8	M5	60	11	18
C10.AVGA.10090.1805	-	10	G 1/8	M5	90	11	25
-	NPC.GSVEM51230	12	M5	M5	30	13	12
-	NPC.GSVEM51260	12	M5	M5	60	13	25
-	NPC.GSVEM51290	12	M5	M5	90	13	19
C10.AVGA.14040.1818	NPC.GSVEG181440	14	G 1/8	G 1/8	40	15	17
C10.AVGA.14080.1818	NPC.GSVEG181480	14	G 1/8	G 1/8	80	15	30
C10.AVGA.14120.1818	NPC.GSVEG1814120	14	G 1/8	G 1/8	120	15	32
C10.AVGA.20050.1418	NPC.GSVEG142050	20	G 1/8	G 1/4	50	20	40
C10.AVGA.20100.1418	NPC.GSVEG1420100	20	G 1/8	G 1/4	100	20	60
C10.AVGA.20150.1418	NPC.GSVEG1420150	20	G 1/8	G 1/4	150	20	75



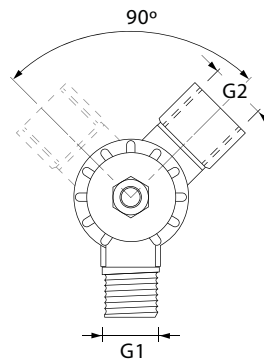


VACUUM EXTENSION TUBE



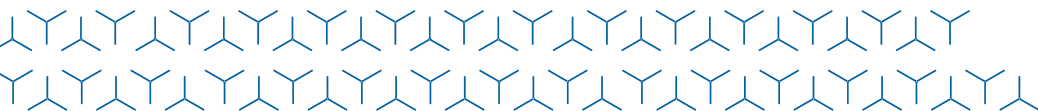
REFERENCE	A	B	G	WEIGHT (g)
C10.AVTE.1030.05	10	30	M5	6
C10.AVTE.1045.05	10	45	M5	9
C10.AVTE.1090.05	10	90	M5	16
C10.AVTE.1445.18	14	45	G 1/8	14
C10.AVTE.1490.18	14	90	G 1/8	26
C10.AVTE.2045.14	20	45	G 1/4	30
C10.AVTE.2090.14	20	90	G 1/4	58

VACUUM ELBOW- ADJUSTABLE

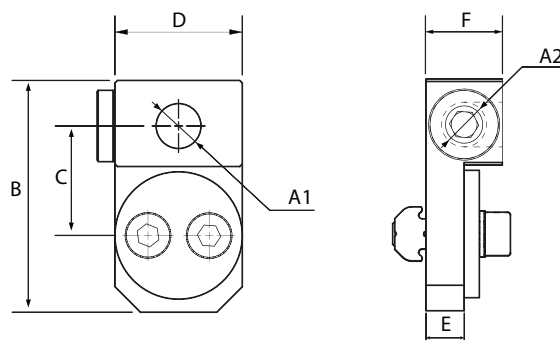


REFERENCE	G1	G2	WEIGHT (g)
C10.AVSE.18F18M	G 1/8	G 1/8	7
C10.AVSE.14F14M	G 1/4	G 1/4	15

For vacuum only.
Angle of vacuum cup adjustable between 0° and 90°.



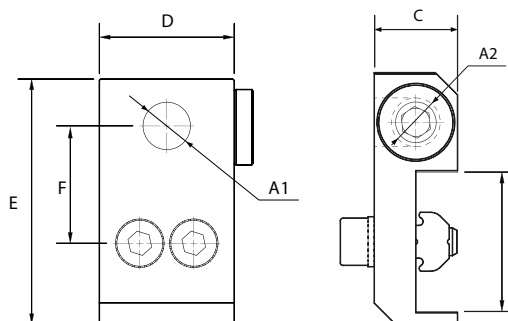
VACUUM CUP MOUNTING BRACKET - ADJUSTABLE



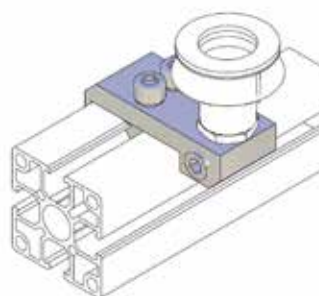
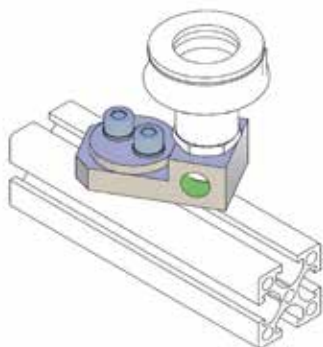
REFERENCE	INORMA	A1	A2	B	C	D	E	F	WEIGHT (g)
C10.AVMA.0505.L	NPC.GSVDM5	M5	M5	28	13	16	5.3	10	15
C10.AVMA.1818.X	NPC.GSVDG18	G 1/8	G 1/8	43	21	25	7.8	15	40
C10.AVMA.1418.X	NPC.GSVDG14	G 1/4	G 1/8	43	21	25	7.8	15	40

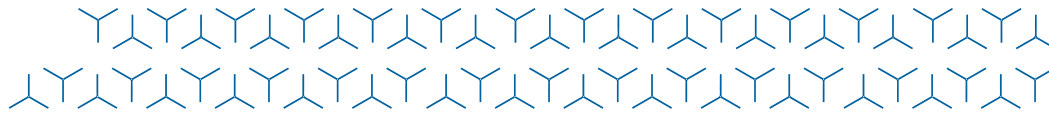
Vacuum connection with adjustable 360° rotation.

VACUUM CUP MOUNTING BRACKET - FIXED

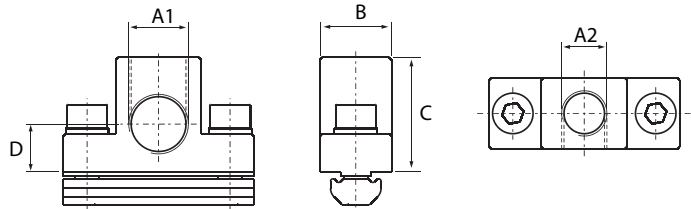


REFERENCE	INORMA	A1	A2	B	C	D	E	F	WEIGHT (g)
C10.AVMF.0505.L	NPC.GSVBM5	M5	M5	18	8	16	32	17	15
C10.AVMF.1818.X	NPC.GSVBG18	G 1/8	G 1/8	25	15	25	46	22	45
C10.AVMF.1418.X	NPC.GSVBG14	G 1/4	G 1/8	25	15	25	46	22	45
C10.AVMF.1418.J	-	G 1/4	G 1/8	40	15	25	60	29	49



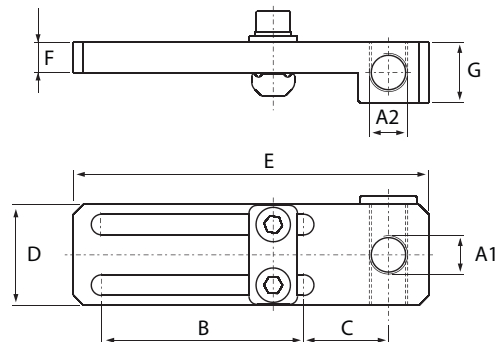


VACUUM CUP MOUNTING BRACKET

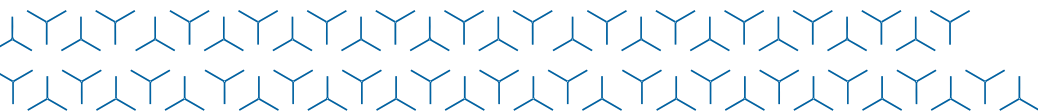


REFERENCE	INORMA	A1	A2	B	C	D	WEIGHT (g)
C10.AVMB.0505.X	-	M5	M5	15	10	4	27
C10.AVMB.1818.X	NPC.GSVAG18	G 1/8	G 1/8	15	24	12	42
-	NPC.GSVAG14	G 1/4	G 1/8	15	24	10	40
C10.AVMB.1414.X	-	G 1/4	G 1/4	20	20	10	39

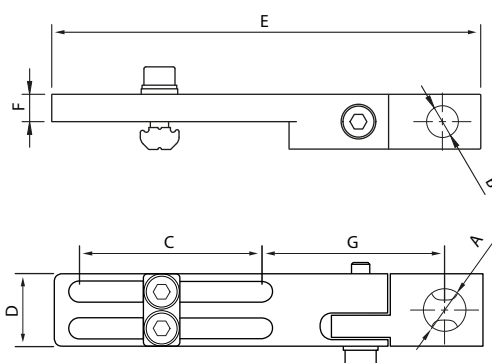
VACUUM CUP MOUNTING BRACKET - LONG



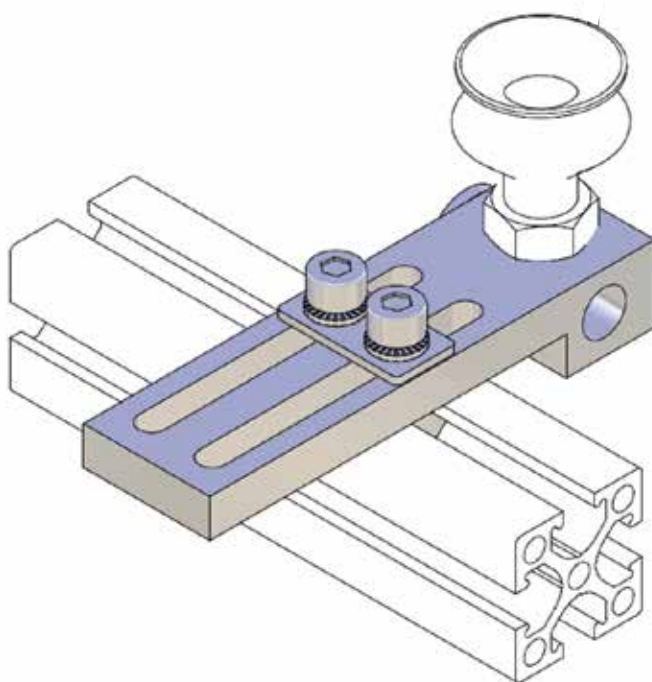
REFERENCE	INORMA	A1	A2	B	C	D	E	F	G	WEIGHT (g)
C10.AVML.0505.40.L	NPC.GSVCM5	M5	M5	40	14	16	65	4	8	20
C10.AVML.1818.50.X	NPC.GSVCG18	G 1/8	G 1/8	50	21	25	88	7.5	15	60
C10.AVML.1418.50.X	NPC.GSVCG14	G 1/4	G 1/8	50	21	25	88	7.5	15	60
C10.AVML.1414.50.J	-	G 1/4	G 1/4	50	23	25	88	7.5	15	73

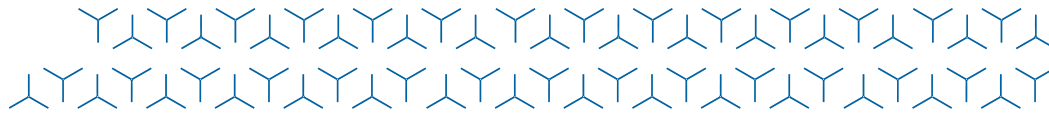


VACUUM CUP MOUNTING BRACKET - LONG, SWIVEL HEAD



REFERENCE	A	B	C	D	E	F	G	WEIGHT (g)
C10.AVMS.1418.50.X	G 1/4	G 1/8	50	20	117.5	7.5	50	72

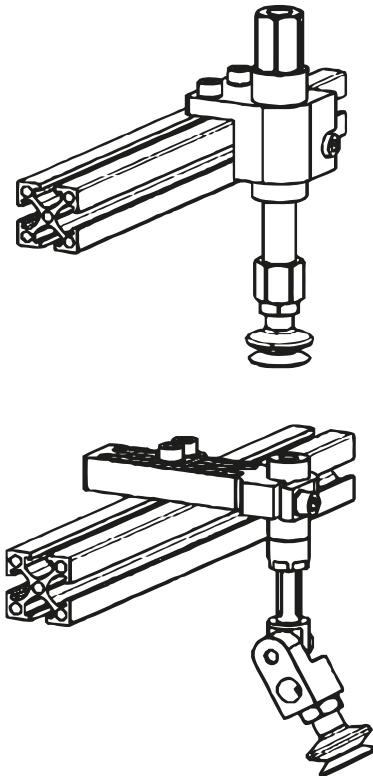


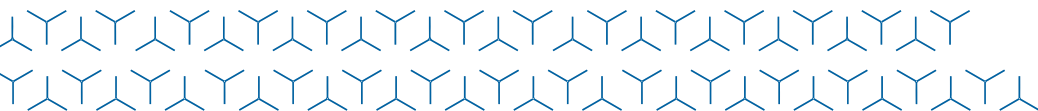


VACUUM CUP SUSPENSIONS

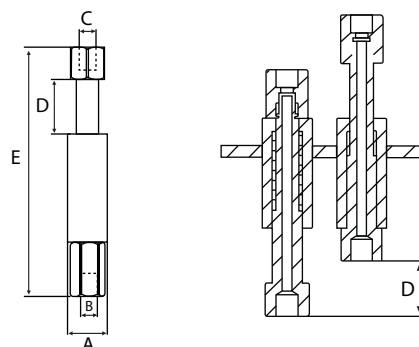


APPLICATION EXAMPLES



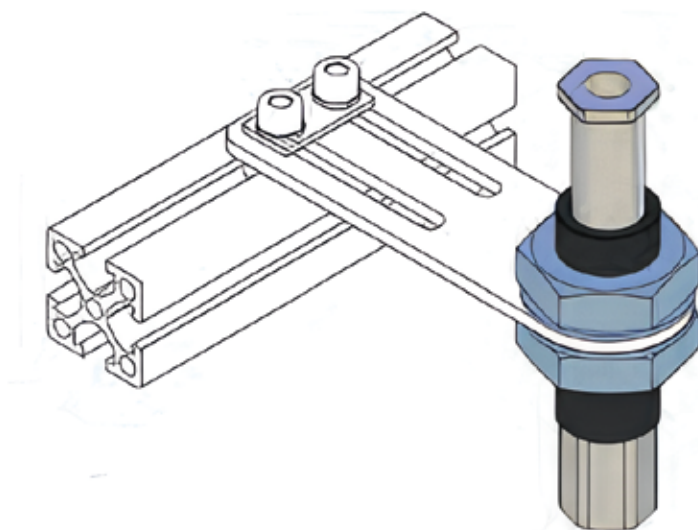


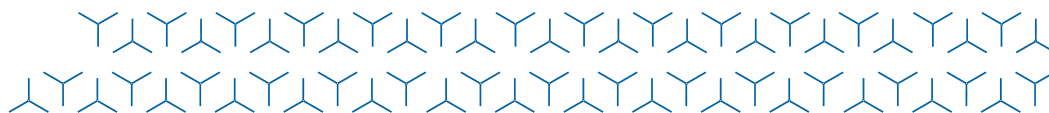
SMOOTH-BODY ROTATIVE SUSPENSIONS



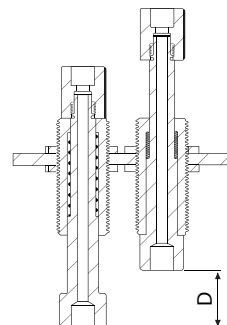
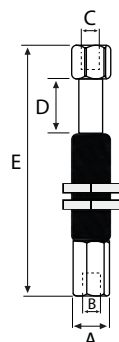
REFERENCE	INORMA	A	B	C	D	E	WEIGHT (g)
C10.AMP.SDR.1010	NPC.GSVR10C10M5	10	M5	M5	10	55.5	11
-	NPC.GSVR10C20M5	10	M5	M5	20	84	20
C10.AMP.SDR.1025	-	10	M5	M5	25	84	11
C10.AMP.SDR.1420	NPC.GSVR14C20G18	14	G 1/8	G 1/8	20	92	23
C10.AMP.SDR.1435	NPC.GSVR14C35G18	14	G 1/8	G 1/8	35	127	33
C10.AMP.SDR.2025	NPC.GSVR20C25G18	20	G 1/8	G 1/8	25	112	65
C10.AMP.SDR.2050	NPC.GSVR20C50G18	20	G 1/8	G 1/8	50	171	100
C10.AMP.SDR.2025.14	-	20	G 1/4	G 1/4	25	107	54
C10.AMP.SDR.2050.14	-	20	G 1/4	G 1/4	50	157	74

Anodized aluminium. -1→8bar





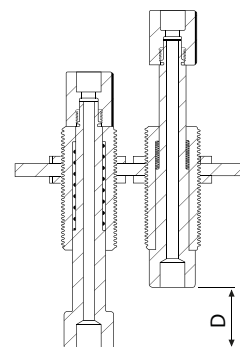
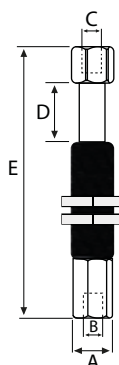
THREADED-BODY ROTATIVE SUSPENSIONS



REFERENCE	A	B	C	D	E	WEIGHT (g)
C10.AMP.SDRG.1010	M10x1	M5	M5	10	51	12
C10.AMP.SDRG.1025	M10x1	M5	M5	25	86	16
C10.AMP.SDRG.1420	M14x1.5	G 1/8	G 1/8	20	85	30
C10.AMP.SDRG.1435	M14x1.5	G 1/8	G 1/8	35	120	37
C10.AMP.SDRG.1620	M16x1	G 1/8	G 1/8	20	85	37
C10.AMP.SDRG.2025	M20x1.5	G 1/8	G 1/8	25	97	88
C10.AMP.SDRG.2050	M20x1.5	G 1/8	G 1/8	50	147	108

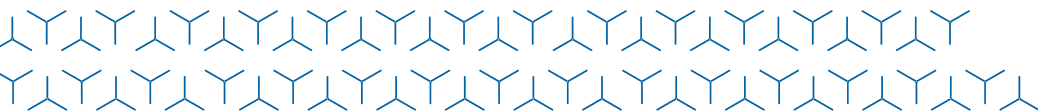
Anodized aluminium. -1→8bar

THREADED-BODY ROTATIVE SUSPENSIONS

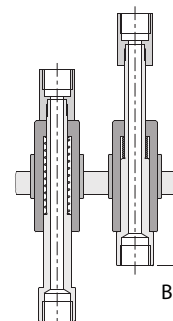
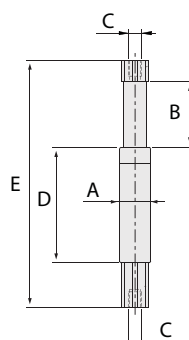


INORMA	A	B	C	D	E	WEIGHT (g)
NPC.GSVRT10M10M5	M10x1	M5	M5	10	55.5	16
NPC.GSVRT10M20M5	M10x1	M5	M5	20	84	23
NPC.GSVRT14M20G18	M14x1	G 1/8	G 1/8	20	92	32
NPC.GSVRT14M35G18	M14x1	G 1/8	G 1/8	35	127	36
NPC.GSVRT20M25G18	M20x1	G 1/8	G 1/8	25	112	75
NPC.GSVRT20M50G18	M20x1	G 1/8	G 1/8	50	171	104

Anodized aluminium. -1→8bar

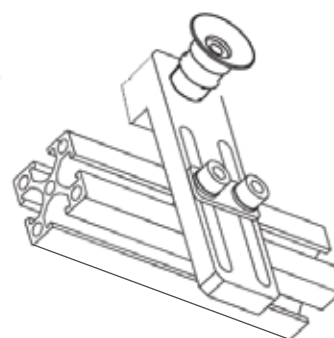
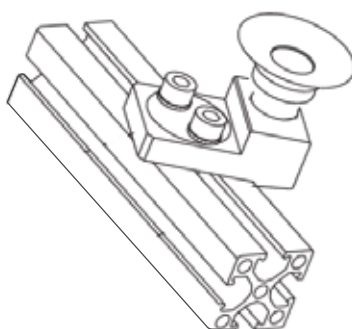
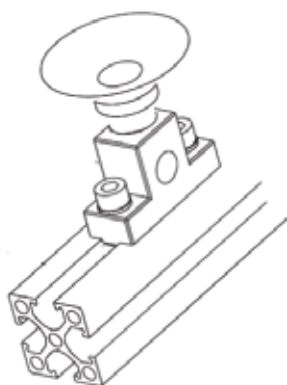


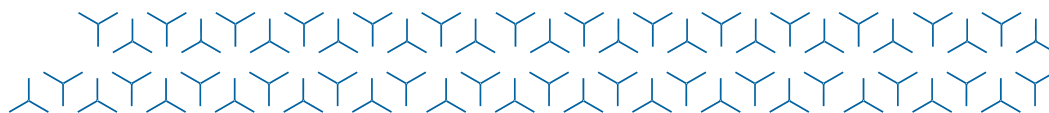
SMOOTH-BODY NON-ROTATIVE SUSPENSIONS



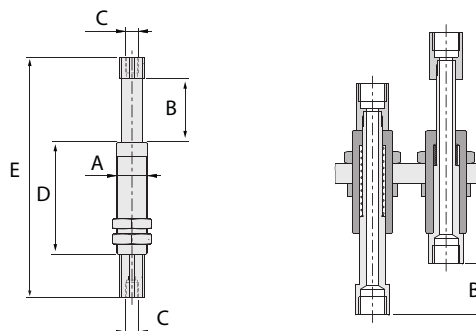
REFERENCE	INORMA	A	B	C	D	E	WEIGHT (g)
C10.AMP.SDN.1010	NPC.GSVN10C10M5	10	10	M5	22	60	15
-	NPC.GSVN10C20M5	10	20	M5	41	89	20
C10.AMP.SDN.1025	-	10	25	M5	40	91	11
C10.AMP.SDN.1420	NPC.GSVN14C20G18	14	20	G 1/8	40	92	25
C10.AMP.SDN.1435	NPC.GSVN14C35G18	14	35	G 1/8	60	127	33
C10.AMP.SDN.2025	NPC.GSVN20C25G18	20	25	G 1/8	50	112	62
C10.AMP.SDN.2025.14	-	20	25	G 1/4	55	114	59
C10.AMP.SDN.2050	NPC.GSVN20C50G18	20	50	G 1/8	84	171	97
C10.AMP.SDN.2050.14	-	20	50	G 1/4	82	161	77

-1 → 8bar





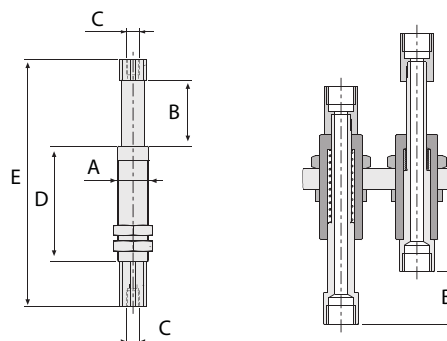
THREADED-BODY NON-ROTATIVE SUSPENSIONS



REFERENCE	A	B	C	D	E	F(N)	WEIGHT (g)
C10.AMP.SDNG.1010	M10x1	10	M5	26	61	3.6	13
C10.AMP.SDNG.1025	M10x1	25	M5	41	91	3.7	16
C10.AMP.SDNG.1420	M14x1.5	20	G 1/8	42	103	8.9	36
C10.AMP.SDNG.1435	M14x1.5	35	G 1/8	60	135	9.5	42
C10.AMP.SDNG.2025	M20x1.5	25	G 1/8	55	114	11	96
C10.AMP.SDNG.2025.14	M20x1.5	25	G 1/4	55	114	11	92
C10.AMP.SDNG.2050	M20x1.5	50	G 1/8	82	174	11.4	115
C10.AMP.SDNG.2050.14	M20x1.5	50	G 1/4	82	167	11.4	111

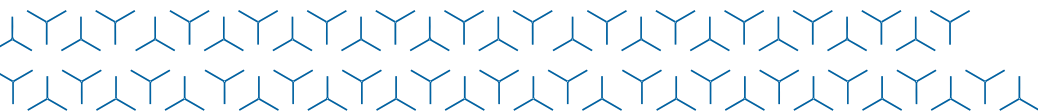
-1→8bar

THREADED-BODY NON-ROTATIVE SUSPENSIONS

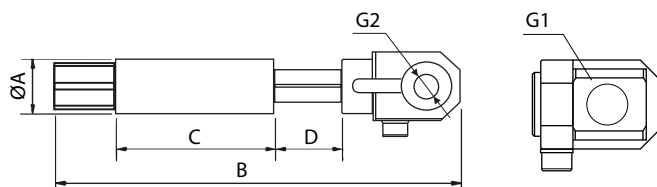


INORMA	A	B	C	D	E	WEIGHT (g)
NPC.GSVNT10M10M5	M10x1	10	M5	22	60	18
NPC.GSVNT10M20M5	M10x1	20	M5	41	84	23
NPC.GSVNT14M20G18	M14x1	20	G 1/8	40	92	27
NPC.GSVNT14M35G18	M14x1	35	G 1/8	60	127	35
NPC.GSVNT20M25G18	M20x1	25	G 1/8	50	112	75
NPC.GSVNT20M50G18	M20x1	50	G 1/8	84	171	105

-1→8bar



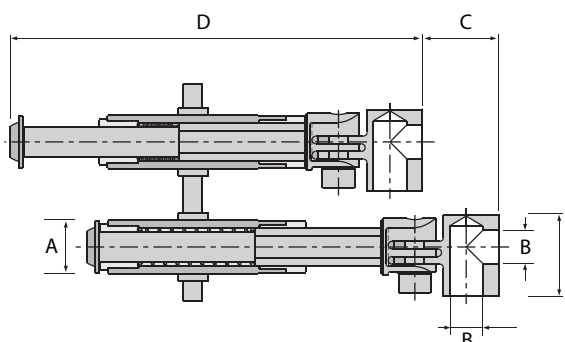
TELESCOPIC SUSPENSION SMOOTH BODY (NON-ROTATIVE) SWIVEL HEAD



REFERENCE	A	B	C	D	G1	G2	WEIGHT (g)
C10.AMP.SSN.10100505	10	78	26	10	M5	M5	20
C10.AMP.SSN.10250505	10	108	41	25	M5	M5	23
C10.AMP.SSN.14201818	14	116	42	20	G 1/8	G 1/8	45
C10.AMP.SSN.14351818	14	148	60	35	G 1/8	G 1/8	51
C10.AMP.SSN.20251418	20	140	55	25	G 1/4	G 1/8	102
C10.AMP.SSN.20501418	20	193	82	50	G 1/4	G 1/8	121

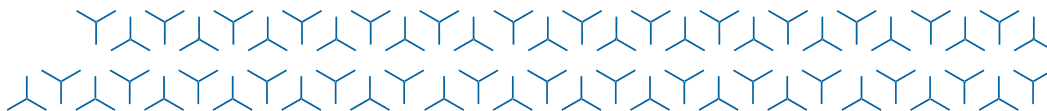
Angle 0°-90°. -1→8bar

SMOOTH-BODY NON-ROTATIVE SUSPENSIONS WITH INTEGRAL ELBOW ARMS

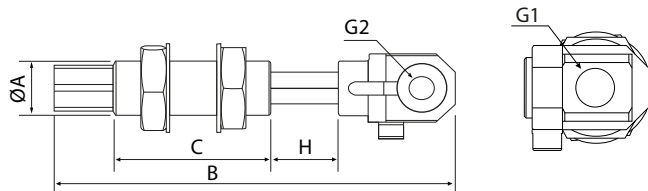


INORMA	A	B	C	D	E	WEIGHT (g)
NPC.GSVE10C10M5	10	M5	10	53	11	18
NPC.GSVE10C20M5	10	M5	20	81	11	23
NPC.GSVE14C20G18	14	G 1/8	20	93	22	45
NPC.GSVE14C35G18	14	G 1/8	35	128	22	52
NPC.GSVE20C25G18	20	G 1/8	25	111	22	75
NPC.GSVE20C50G18	20	G 1/8	50	169.5	22	110

Angle 0°-90°. -1→8bar



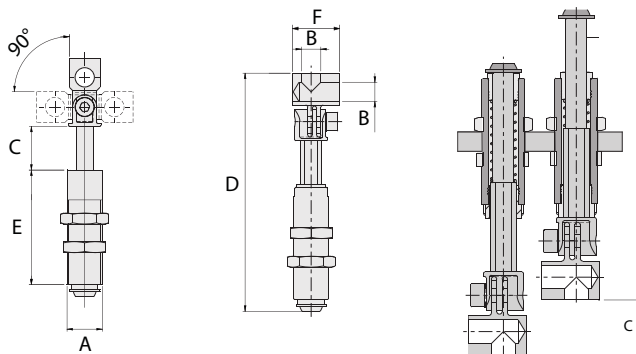
TELESCOPIC SUSPENSION THREADED BODY (NON-ROTATIVE) SWIVEL HEAD



REFERENCE	A	B	C	G1	G2	F(N)	WEIGHT (g)
C10.AMP.SSNG.10100505	M10x1	78	26	M5	M5	3.6	13
C10.AMP.SSNG.10250505	M10x1	108	41	M5	M5	3.7	16
C10.AMP.SSNG.14201818	M14x1.5	116	42	G 1/8	G 1/8	8.9	36
C10.AMP.SSNG.14351818	M14x1.5	148	60	G 1/8	G 1/8	9.5	42
C10.AMP.SSNG.20251418	M20x1.5	140	55	G 1/4	G 1/8	G 11	96
C10.AMP.SSNG.20501418	M20x1.5	193	82	G 1/4	G 1/8	G 11.4	115

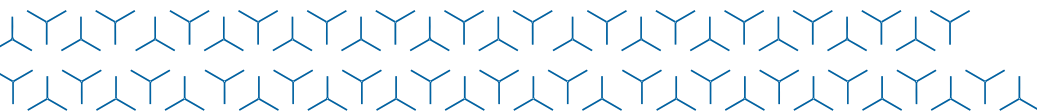
Angle 0°-90°. Material: Anodized aluminium

THREADED-BODY NON-ROTATIVE SUSPENSIONS WITH INTEGRAL ELBOW ARMS

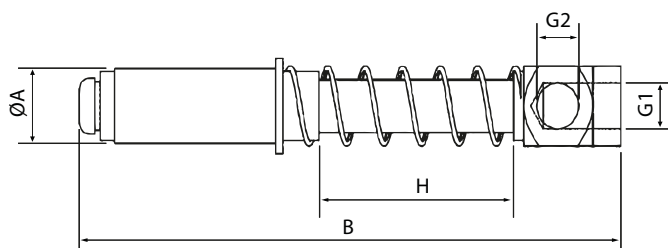


INORMA	A	B	C	D	E	F	WEIGHT (g)
NPC.GSVET10M10M5	M10x1	M5	10	53	22	11	21
NPC.GSVET10M20M5	M10x1	M5	20	81	41	11	26
NPC.GSVET14M20G18	M14x1	G 1/8	20	93	40	22	50
NPC.GSVET14M35G18	M14x1	G 1/8	35	128	60	22	55
NPC.GSVET20M25G18	M20x1	G 1/8	25	111	50	22	88
NPC.GSVET20M50G18	M20x1	G 1/8	50	169.5	84	22	125

Angle 0°-90°. Material: Anodized aluminium



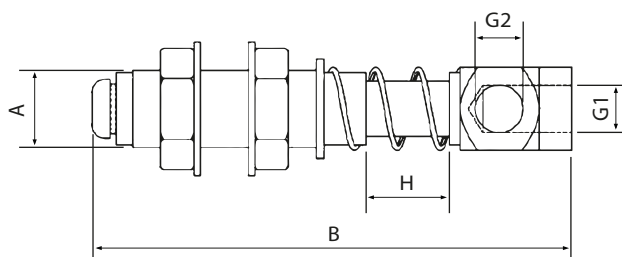
SPRING LOADED VACUUM CUP ARM SMOOTH BODY (ROTATIVE)



REFERENCE	A	B	G1	G2	H	F(N)	WEIGHT (g)
C10.AMA.GGD.10050510	10	59	M5	M5	10	8	11
C10.AMA.GGD.10050530	10	85	M5	M5	30	11	15
C10.AMA.GGD.14181815	14	84	G 1/8	G 1/8	15	9	33
C10.AMA.GGD.14181840	14	109	G 1/8	G 1/8	40	14.6	38
C10.AMA.GGD.20141820	20	109	G 1/4	G 1/8	20	11.7	76
C10.AMA.GGD.20141850	20	147	G 1/4	G 1/8	50	16.8	92

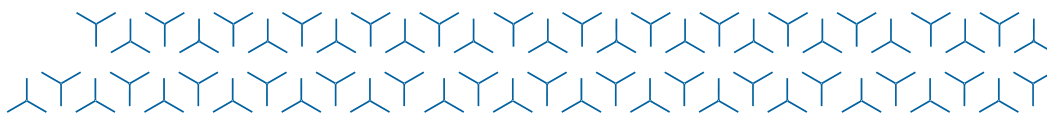
For use with round vacuum cups only.

SPRING LOADED VACUUM CUP ARM THREADED BODY (ROTATIVE)

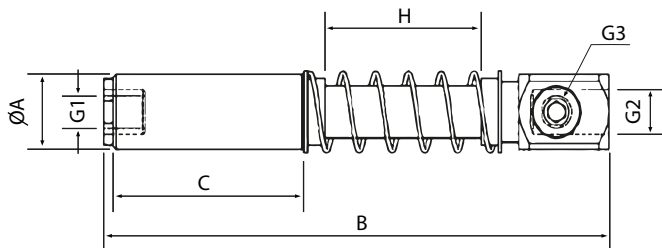


REFERENCE	A	B	G1	G2	H	F(N)	WEIGHT (g)
C10.AMA.GGDG.10050510	M10x1	59	M5	M5	10	8	17
C10.AMA.GGDG.10050530	M10x1	85	M5	M5	30	11	20
C10.AMA.GGDG.14181815	M14x1.5	86	G 1/8	G 1/8	15	9	41
C10.AMA.GGDG.14181840	M14x1.5	111	G 1/8	G 1/8	40	14.6	45
C10.AMA.GGDG.20141820	M20x1.5	109	G 1/4	G 1/8	20	11.7	99
C10.AMA.GGDG.20141850	M20x1.5	147	G 1/4	G 1/8	50	16.8	118

For use with round vacuum cups only.



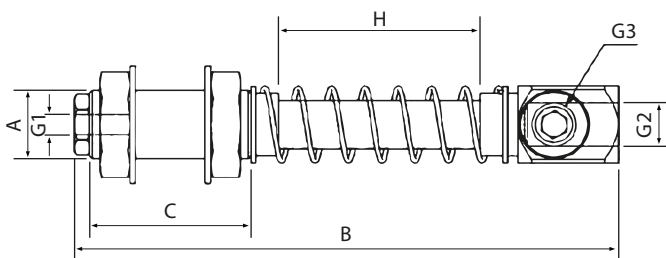
SPRING LOADED VACUUM CUP ARM SMOOTH BODY (ROTATIVE)



REFERENCE	A	B	C	G1	G2	G3	H	WEIGHT (g)
C10.ASZR.1010.0505	10	59	25	M5	M5	-	10	28
C10.ASZR.1030.0505	10	79	25	M5	M5	-	30	31
C10.ASZR.1415.1818	14	83	32	M5	G 1/8	G 1/8	15	55
C10.ASZR.1440.1818	14	108	32	M5	G 1/8	G 1/8	40	60
C10.ASZR.2025.1418	20	121	55	G 1/8	G 1/4	G 1/8	25	137
C10.ASZR.2050.1418	20	146	55	G 1/8	G 1/4	G 1/8	50	144

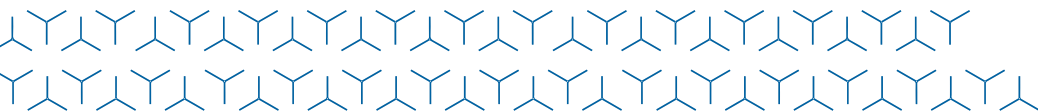
For use with round vacuum cups only.

SPRING LOADED VACUUM CUP ARM THREADED BODY (ROTATIVE)

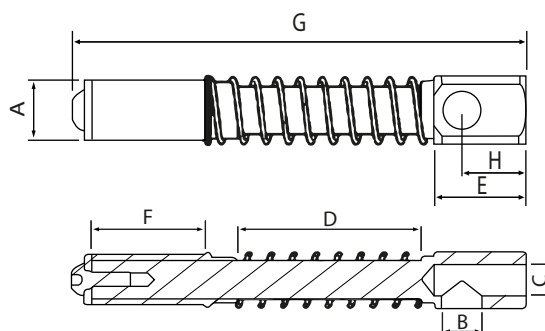


REFERENCE	A	B	C	G1	G2	G3	H	WEIGHT (g)
C10.ASZRG.1010.0505	M10x1	59	25	M5	M5	-	10	32
C10.ASZRG.1030.0505	M10x1	79	25	M5	M5	-	30	35
C10.ASZRG.1415.1818	M14x1.5	83	32	M5	G 1/8	G 1/8	15	67
C10.ASZRG.1440.1818	M14x1.5	108	32	M5	G 1/8	G 1/8	40	72
C10.ASZRG.2025.1418	M20x1.5	121	55	G 1/8	G 1/4	G 1/8	25	171
C10.ASZRG.2050.1418	M20x1.5	146	55	G 1/8	G 1/4	G 1/8	50	187

For use with round vacuum cups only.



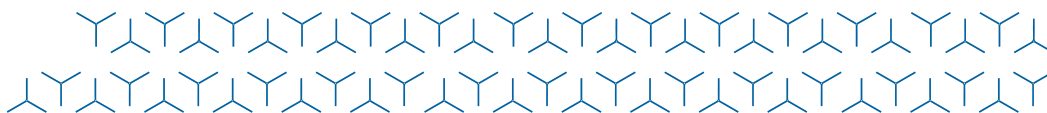
SMOOTH - BODY SUSPENSIONS (ROTATIVE)



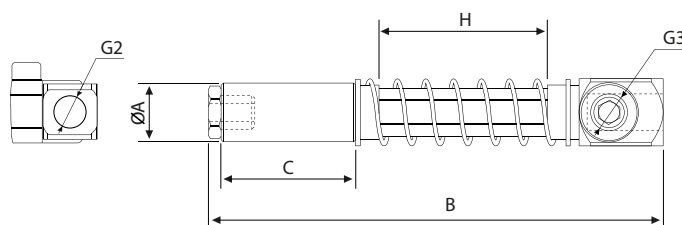
INORMA	A	B	C	D	E	F	G	H	WEIGHT (g)
NPC.GVFM4014G18	14	G 1/8	G 1/8	40	20	25	100	14	48
NPC.GVFM2020G14	20	G 1/8	G 1/4	20	26	48	113	15	136

Body Steel. Rod: Aluminium. -1→8bar





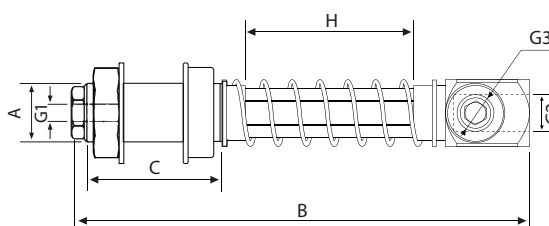
SPRING LOADED VACUUM CUP ARM SMOOTH BODY (NON-ROTATIVE)



REFERENCE	A	B	C	G1	G2	G3	H	WEIGHT (g)
C10.ASZN.1010.0505	10	59	25	M5	M5	-	10	25
C10.ASZN.1030.0505	10	79	25	M5	M5	-	30	27
C10.ASZN.1415.1818	14	83	32	M5	G 1/8	G 1/8	15	52
C10.ASZN.1440.1818	14	108	32	M5	G 1/8	G 1/8	40	55
C10.ASZN.2025.1418	20	121	55	G 1/8	G 1/4	G 1/8	25	137
C10.ASZN.2050.1418	20	146	55	G 1/8	G 1/4	G 1/8	50	140

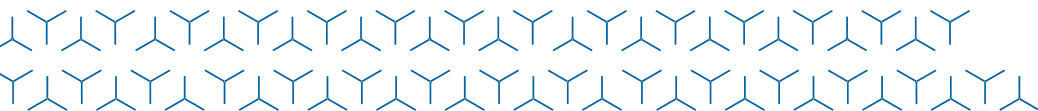
For use with round and oval vacuum cups.

SPRING LOADED VACUUM CUP ARM THREADED BODY (NON-ROTATIVE)

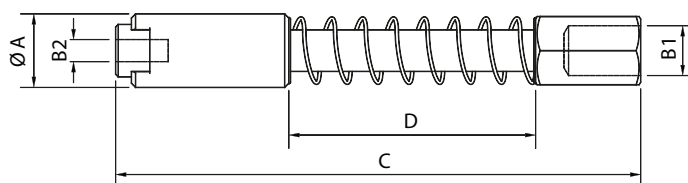


REFERENCE	A	B	C	G1	G2	G3	H	WEIGHT (g)
C10.ASZNG.1010.0505	M10x1	59	25	M5	M5	-	10	30
C10.ASZNG.1030.0505	M10x1	79	25	M5	M5	-	30	32
C10.ASZNG.1415.1818	M14x1.5	83	32	M5	G 1/8	G 1/8	15	63
C10.ASZNG.1440.1818	M14x1.5	108	32	M5	G 1/8	G 1/8	40	65
C10.ASZNG.2025.1418	M20x1.5	121	55	G 1/8	G 1/4	G 1/8	25	170
C10.ASZNG.2050.1418	M20x1.5	146	55	G 1/8	G 1/4	G 1/8	50	173

For use with round and oval vacuum cups.



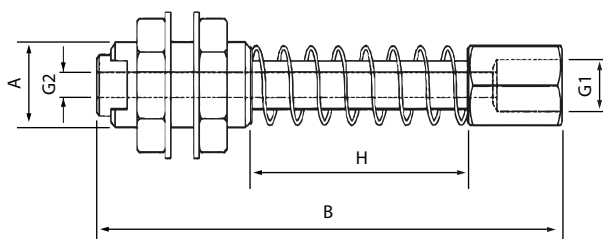
LEVEL COMPENSATOR SMOOTH BODY (NON-ROTATIVE)



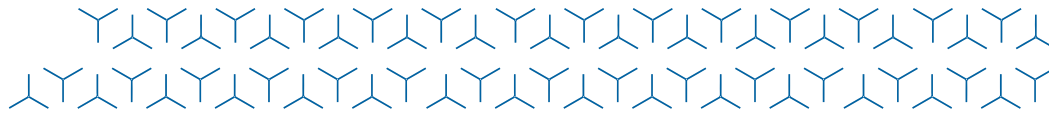
REFERENCE	INORMA	A	B1	B2	C	D	WEIGHT (g)
C10.ALC.10.20	NPC.GSVH1020M5	10	M5	M5	72	20	25
C10.ALC.12.20	NPC.GSVH1220M5	12	M5	M5	72	20	30
C10.ACL.14.38	-	14	G 1/8	M5	100	38	63
C10.ACL.20.48	-	20	G 1/4	G 1/8	125	48	155

Body and Rod: Steel. -1 → 8bar

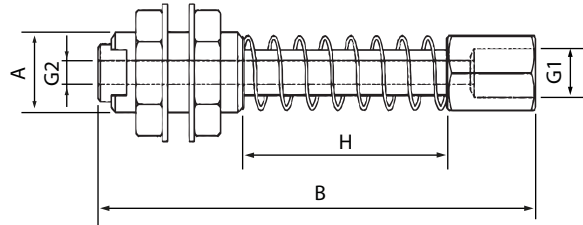
SPRING LOADED VACUUM CUP ARM THREADED BODY (NON-ROTATIVE) SWIVEL HEAD



REFERENCE	A	B	G1	G2	H	F(N)	WEIGHT (g)
C10.ALC.M10.20	M 10x1	70	M5	M5	20	3.4	36
C10.ALC.M12.20	M 12x1.25	77	G 1/8	M5	20	6	40
C10.ALC.M14.38	M 14x1.5	100	G 1/8	M5	38	23.2	71
C10.ALC.M20.48	M 20x1.5	125	G 1/4	G 1/8	48	16.7	189



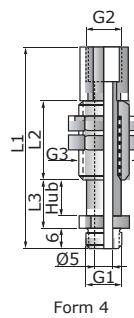
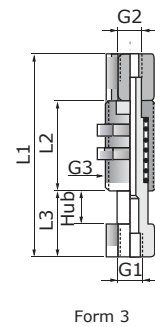
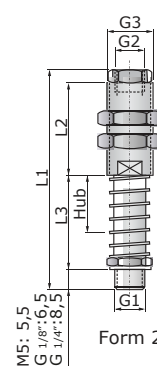
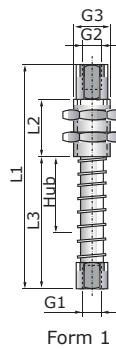
LEVEL COMPENSATOR THREADED BODY (NON-ROTATIVE)



INORMA	A	B	G1	G2	H	WEIGHT (g)
NPC.GSVQ1650G18	M16x1	124	G 1/8	G 1/8	50	110
NPC.GSVQ3025G14	M30x1.5	117	G 1/4	G 3/8	25	400
NPC.GSVQ3075G14	M30x1.5	187	G 1/4	G 3/8	75	530

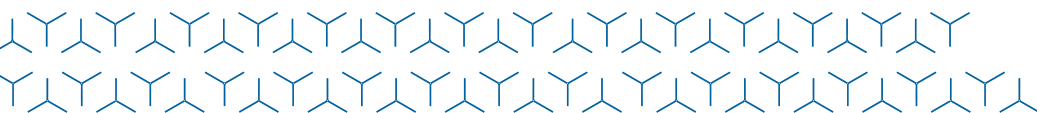
Body and Rod: Steel. -1→8bar

SPRING PLUNGERS

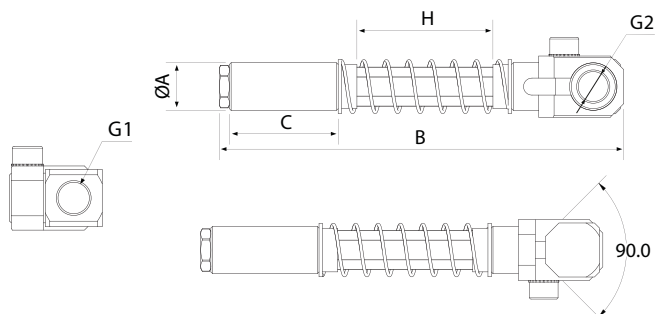


ROTATIVE	NON-ROTATIVE	G1	G2	G3	L1	L2	L3	HUB	FORM
C10.TVSFS505005	-	M5 (F)	M5 (F)	G1/8	42	15	16.7	5	1
C10.TVSPFS505007	-	M5 (F)	M5 (F)	G1/8	43	19	14	7	3
C10.TVSFS505010	C10.TVSFS505010V	M5 (F)	M5 (F)	G1/8	47	15	22.5	10	1
C10.TVSFS505020	C10.TVSFS505020V	M5 (F)	M5 (F)	G1/8	59	15	34.5	20	1
C10.TVSFS50A5010	-	M5 (M)	M5 (F)	M12x1	52.5	19	21	10	2
C10.TVSFS50A5020	-	M5 (M)	M5 (F)	M12x1	62.5	19	31	20	2
C10.TVSPFS18A1808	-	G1/8 (M)	G1/8 (F)	M14x1.5	54	22	11	8	4
C10.TVSPFS18A1820	-	G1/8 (M)	G1/8 (F)	M16x1	79	35	23	20	4
C10.TVSFS18A1825	-	G1/8 (M)	G1/8 (F)	M16x1	93	30	42.5	25	2
C10.TVSFS18A1850	-	G1/8 (M)	G1/8 (F)	M16x1	124	30	73.5	50	2
C10.TVSFS14A1825	-	G1/4 (M)	G1/8 (F)	M20x1.5	95	40	41	25	2
C10.TVSFS14A1875	-	G1/4 (M)	G1/8 (F)	M20x1.5	154	40	100	75	2

Female (F) / Male (M)



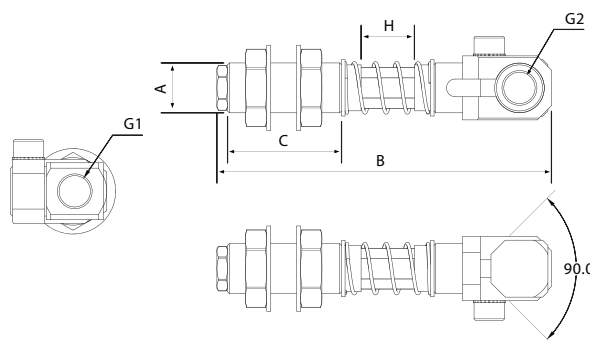
SPRING LOADED VACUUM CUP ARM SMOOTH BODY (NON-ROTATIVE) SWIVEL HEAD



REFERENCE	A	G1	G2	B	C	H	WEIGHT (g)
C10.ASZP.1010.0505	10	M5	M5	76	25	10	32
C10.ASZP.1030.0505	10	M5	M5	96	25	30	35
C10.ASZP.1415.1818	14	G 1/8	G 1/8	94	32	15	67
C10.ASZP.1440.1818	14	G 1/8	G 1/8	119	32	40	72
C10.ASZP.2025.1418	20	G 1/4	G 1/8	131	55	25	171
C10.ASZP.2050.1418	20	G 1/4	G 1/8	156	55	50	187

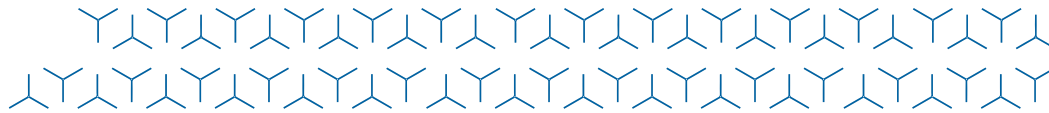
For use with round and oval vacuum cups.
Angle for vacuum cup adjustable between 0° and 90°.

SPRING LOADED VACUUM CUP ARM THREADED BODY (NON-ROTATIVE) SWIVEL HEAD

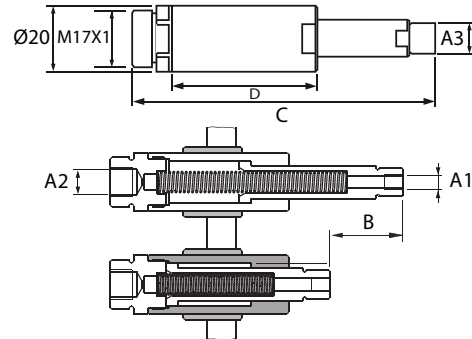


REFERENCE	A	G1	G2	B	C	H	WEIGHT (g)
C10.ASZPG.1010.0505	M10x1	M5	M5	76	25	10	39
C10.ASZPG.1030.0505	M10x1	M5	M5	96	25	30	44
C10.ASZPG.1415.1818	M14x1.5	G 1/8	G 1/8	94	32	15	70
C10.ASZPG.1440.1818	M14x1.5	G 1/8	G 1/8	119	32	40	90
C10.ASZPG.2025.1418	M20x1.5	G 1/4	G 1/8	131	55	25	188

For use with round and oval vacuum cups.
Angle for vacuum cup adjustable between 0° and 90°.



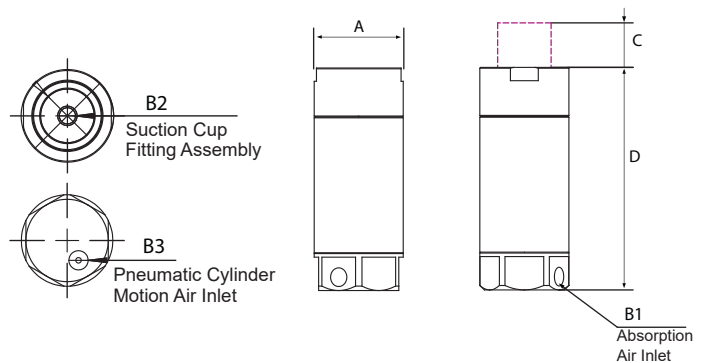
TELESCOPIC SELF-RETRACTING SUSPENSION



REFERENCE	A1	A2	A3	B	C	D	WEIGHT (g)
C10.AMPTSS2025	M5	G 1/8	G 1/8	25	100	48	42
C10.AMPTSS2050	M5	G 1/8	G 1/8	50	150	73	68

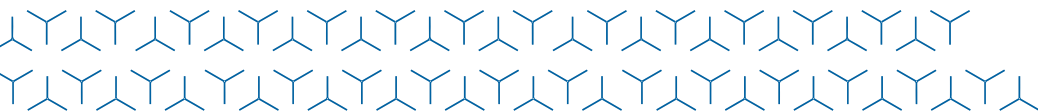
Automatic retraction of vacuum cup once vacuum is established.
Reset on part release.

SMOOTH BODY NON-ROTATIVE PNEUMATIC PUSH SUSPENSIONS

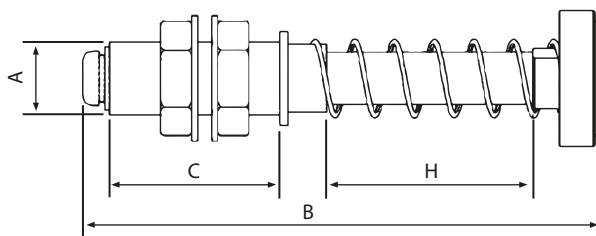


INORMA	A	B1	B2	B3	C	D	WEIGHT (g)
NPC.GVFG20C10M5	20	M5	M5	M5	10	50	35
NPC.GVFG20C20M5	20	M5	M5	M5	20	65	45
NPC.GVFG30C20G18	30	G 1/8	G 1/8	G 1/8	20	72	70

Automatic retraction of vacuum cup once vacuum is established.
Reset on part release.

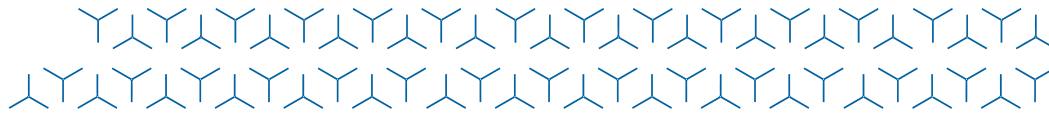


SPRING ROD



REFERENCE	A	B	C	H	WEIGHT (g)
C10.ASRR1440	M14x1.5	101	42	40	47





TYPE M - FLAT CUPS



G4

TYPE M - 1,5 BELLOWS



G5

TYPE M - 2,5 BELLOWS



G6

TYPE M - WITH
FOAM RING



G7

TYPE M - MULTIFLEX
CUPS



G8

TYPE V



G9

TYPE L



G11

FITTINGS TYPE M/V

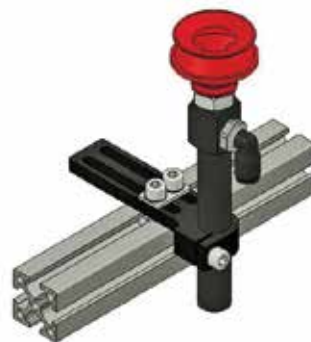


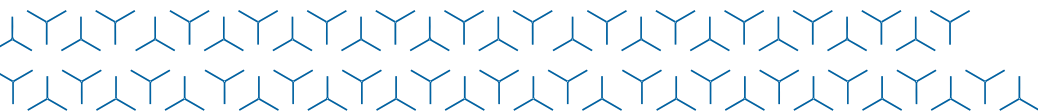
G18

FITTINGS TYPE M/V



G20





BUFFER BRACKET



FLAT CUPS



1.5 BELLOW CUPS



2.5 BELLOW CUPS

TYPE SELECTION GUIDE

FLAT CUPS

The flat suction cups provide accuracy in load gripping and speeds up the cycle process. Flat cups are used only on flat surfaces.

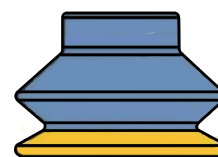
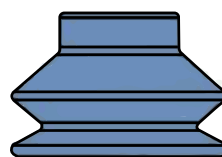
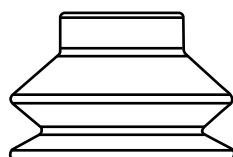
1.5 BELLOW CUPS

The 1.5 bellow cups combine the advantages of the flat suction cups (precision and positioning) with the freedom of belows (angle and flexibility). They provide flexibility, precision and low internal volume suitable for high-speed applications

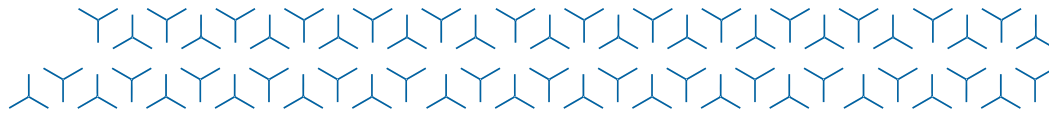
2.5 BELLOW CUPS

The suction cups with 2.5 bellow are recommended for gripping products with un-even surfaces (large deflection).
The 2.5 bellow allow objects to be gripped from an angle (ball-joint effect).

MATERIAL PROPERTIES-TYPE M



APPLICATION	SILICONE	TEMPFLEX HT	MULTIFLEX
Wear resistance	★★	★★	★★★★
Oil resistance	★	★★★	★★
Ozone resistance	★★★	★★	★★★
Tensile strenght (lifting force)	★	★	★★★★
Leaves marks on products	★	★★	★★★★
Temperature resistance	-70 to +200°C	-40 to +160°C	-20 to +80°C
Shore hardness	30-60°	60°	30-60°



VACUUM CUP MATERIALS

SI
SILICONE



HT1
NON-MARKING



NBR
NITRILE RUBBER



MATERIAL PROPERTIES (TYPE V)	SILICONE (SI)	SILICONE + SPONGE (SI-SF)	NON-MARKING (HT1)	NBR
Shore hardness	55	50	60	55
Temperature resistance	-40 to +220°C	-40 to +200°C	-25 to +170°C	-30 to +120°C
Non-Marking	C	B	A	B
Flexibility	A	A	C	C
Abrasion Res.	X	C	B	C
UV Resist	X	X	X	X
Oil Resist	X	X	B	B
Color	Translucent	Transl+red	Blue	Black

MATERIAL PROPERTIES (TYPE L)	CR	NBR	SI	PUR	NR	NRE	SBR
Shore hardness	55	55	55	50	55	55	55
Temperature Range	-40 to 110°C	-30 to 90°C	-40 to 200°C	-20 to 80°C	-40 to 80°C	-40 to 80°C	-30 to 80°C
Non-Marking	C	C	C	C	C	C	A
Flexibility	C	C	A	C	B	B	B
Abrasion Res.	C	C	X	B	B	B	A
UV Resist	B	X	A	C	X	X	C
Oil Resist	B	A	X	A	X	X	X
Petrol	X	C	X	B	X	X	X
Color	Black	Black	Translucent	Blue	Black	Black	Black
Recommended for:	Universal	Universal	Food	Harsh Operation	Wood, uneven surfaces	Wood, uneven surfaces	Cosmetic, uneven surfaces

CR: Chloroprene

NBR: Nitrile Rubber

SI: Silicone

PUR: Polyurethane

NR: Natural Rubber

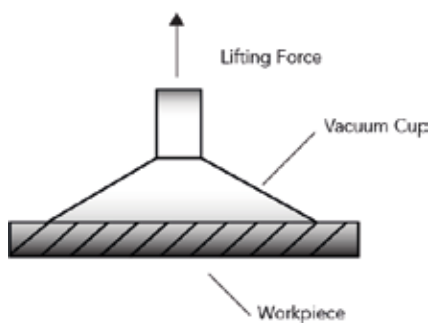
NRE: Natural Rubber

SBR: Styrene-butadiene Rubber

All materials 45 - 55 Shore A (unless otherwise specified)

*A = Very good, B = Good, C = Fair, X = Not recommended.

The holding force of the suction cups increases proportionally with the difference between the ambient pressure and the pressure inside the cup.

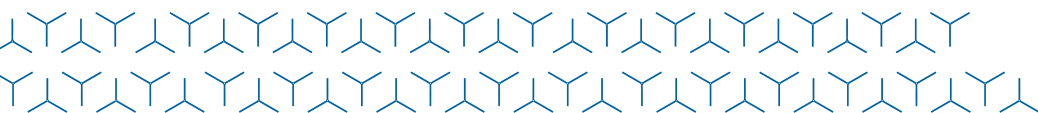


$$W = \frac{P \times C}{101} * (10,13)$$

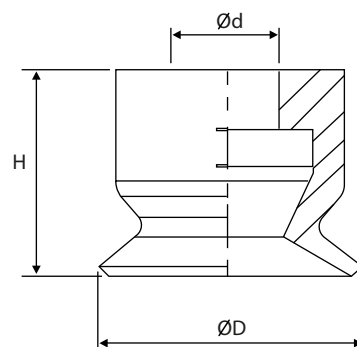
W: Suction (N)

P: Vacuum degree (-kPa)

C: Area of suction cup (cm²)



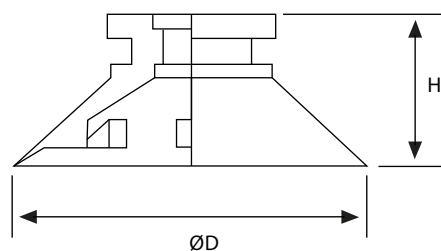
FLAT VACUUM CUPS - G SERIES - TYPE M



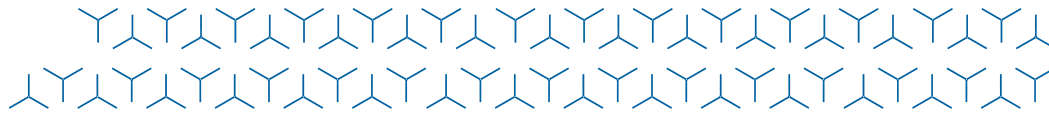
SILICONE	TEMPFLEX HT	ØD	Ød	H	STROKE/mm	FITTINGS
C10.AG10.06F	C10.AG10.06H	6	2	4.5	0.3	140.005
C10.AG10.09F	C10.AG10.09H	9.5	3.5	7	0.5	140.405
C10.AG10.11F	C10.AG10.11H	11	3.5	10	0.5	140.410; 140.414
C10.AG10.16F	C10.AG10.16H	16.2	3.5	10.5	1.5	140.410; 140.414
C10.AG10.22F	C10.AG10.22H	22	8	11.5	2.5	140.428; 140.432
C10.AG10.33F	C10.AG10.33H	32	8	12.5	3.5	140.428; 140.432
C10.AG10.42F	C10.AG10.42H	41	8	15.5	4.5	140.428; 140.432
C10.AG10.53F	C10.AG10.53H	51.5	8	20	6	140.428; 140.432

FDA Approved.

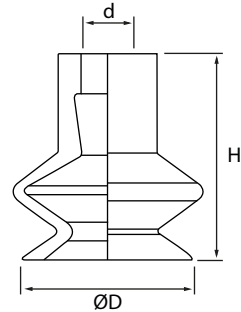
FLAT VACUUM CUPS - F SERIES - TYPE M



SILICONE	TEMPFLEX HT	ØD	H	STROKE / mm	FITTINGS
C10.AF20S	C10.AF20HT	22	8	0.5	C10.AF250
C10.AF25S	C10.AF25HT	28	9	1	C10.AF250
C10.AF30S	C10.AF30HT	32	10	1.5	C10.AF250
C10.AF40S	C10.AF40HT	42	13	2	C10.AF251
C10.AF50S	C10.AF50HT	53	17.5	3	C10.AF252

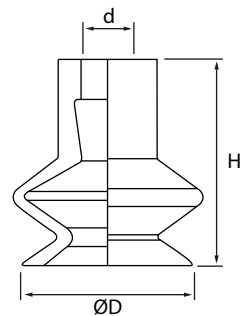


1.5 BELLOW VACUUM CUPS - B SERIES - TYPE M

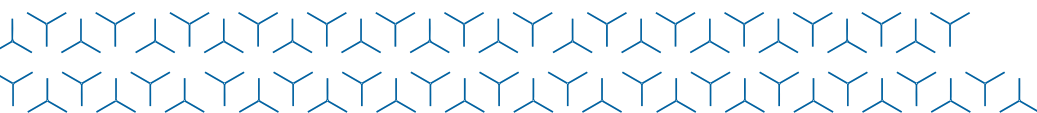


SILICONE	TEMPFLEX HT	ØD	d	H	STROKE / mm	FITTINGS
C10.AB05S	C10.AB05HT	5	2.6	9.5	2	C10.A130.591
C10.AB08S	C10.AB08HT	8.8	2	12	2	C10.A130.591
C10.AB11S	C10.AB11HT	11	4	17	5	C10.AF134 ; C10.A130.003
C10.AB16S	C10.AB16HT	16	4	19	7	C10.AF134 ; C10.A130.003
C10.AB20S	C10.AB20HT	21.5	4.8	20	9	C10.AF250
C10.AB30S	C10.AB30HT	33	6	26	9	C10.AF250
C10.AB40S	C10.AB40HT	42	7	28	9	C10.AF251
C10.AB50S	C10.AB50HT	52	10.5	35	12	C10.AF252

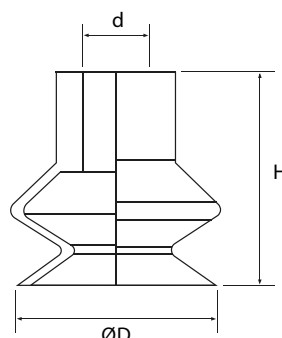
1.5 BELLOW VACUUM CUPS - CM SERIES - TYPE M



SILICONE	TEMPFLEX HT	ØD	d	H	STROKE / mm	FITTINGS
C10.ACM-1.5-10-S	C10.ACM-1.5-10-HT	10	2	13.5	4	130.301 ; 130.009
C10.ACM-1.5-15-S	C10.ACM-1.5-15-HT	15	4	16	5	130.301 ; 130.009
C10.ACM-1.5-20-S	C10.ACM-1.5-20-HT	20	5	20	8	130.030 ; 130.274
C10.ACM-1.5-30-S	C10.ACM-1.5-30-HT	32	6	30.5	9	130.030 ; 130.274
C10.ACM-1.5-40-S	C10.ACM-1.5-40-HT	40	6	30.5	10	130.030 ; 130.274

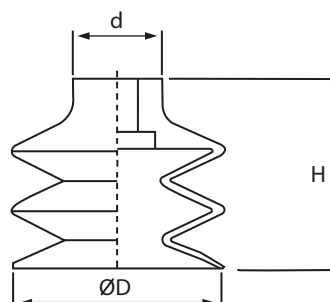


1.5 BELLOW VACUUM CUPS - CL SERIES - TYPE M

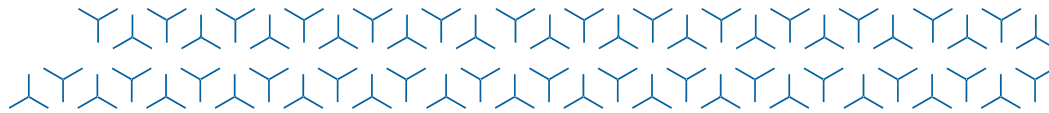


SILICONE	TEMPFLEX HT	ØD	d	H	STROKE / mm	FITTINGS
C10.ACL-1.5-06-S	C10.ACL-1.5-06-HT	6	4	9	5	C10.A130.301 ; C10.A130.009
C10.ACL-1.5-11-S	C10.ACL-1.5-11-HT	11	5	16	4.5	C10.A130.013 ; C10.A130.003
C10.ACL-1.5-14-S	C10.ACL-1.5-14-HT	14	5	15	4	C10.A130.013 ; C10.A130.003
C10.ACL-1.5-16-S	C10.ACL-1.5-16-HT	16	5	19	6	C10.A130.013 ; C10.A130.003
C10.ACL-1.5-20-S	C10.ACL-1.5-20-HT	20	4	16	4	C10.A130.013 ; C10.A130.003
C10.ACL-1.5-25-S	C10.ACL-1.5-25-HT	25	4	23	9	C10.A130.013 ; C10.A130.003
C10.ACL-1.5-30-S	C10.ACL-1.5-30-HT	33	8	28	12	C10.A130.132 ; C10.A130.190
C10.ACL-1.5-43-S	C10.ACL-1.5-43-HT	43	8	28	12	C10.A130.132 ; C10.A130.190
C10.ACL-1.5-53-S	C10.ACL-1.5-53-HT	53	8	34	11	C10.A130.132 ; C10.A130.190
C10.ACL-1.5-63-S	C10.ACL-1.5-63-HT	63	8	34	15	C10.A130.132 ; C10.A130.190
C10.ACL-1.5-78-S	C10.ACL-1.5-78-HT	78	12	47	14	C10.A130.622

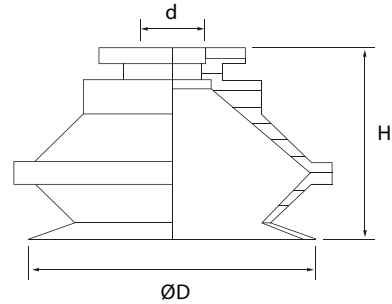
2.5 BELLOW VACUUM CUPS - CL SERIES - TYPE M



SILICONE	TEMPFLEX HT	ØD	d	H	STROKE / mm	FITTINGS
C10.ACL-2.5-5	C10.ACL-2.5-5-HT	5	4	14	3	C10.A130.013 ; C10.A130.003
C10.ACL-2.5-7	C10.ACL-2.5-7-HT	7	3.8	14	3	C10.A130.013 ; C10.A130.003
C10.ACL-2.5-9	C10.ACL-2.5-9-HT	9	4	15	2	C10.A130.013 ; C10.A130.003
C10.ACL-2.5-12	C10.ACL-2.5-12-HT	12	5	21	8.5	C10.A130.013 ; C10.A130.003
C10.ACL-2.5-14	C10.ACL-2.5-14-HT	14	4	22	11	C10.A130.013 ; C10.A130.003
C10.ACL-2.5-20	C10.ACL-2.5-20-HT	20	4.5	23	8	C10.A130.013 ; C10.A130.003
C10.ACL-2.5-25	C10.ACL-2.5-25-HT	25	4	34	19	C10.A130.013 ; C10.A130.003
C10.ACL-2.5-32	C10.ACL-2.5-32-HT	32	8	37	13	C10.A130.132 ; C10.A130.190
C10.ACL-2.5-42	C10.ACL-2.5-42-HT	42	8	46	19	C10.A130.132 ; C10.A130.190
C10.ACL-2.5-52	C10.ACL-2.5-52-HT	52	8	49	27	C10.A130.132 ; C10.A130.190
C10.ACL-2.5-62	C10.ACL-2.5-62-HT	62	9	53	25	C10.A130.093 ; C10.A130.281



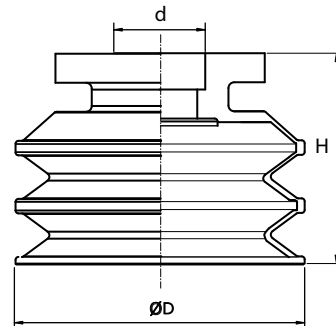
1.5 BELLOW WITH SILICONE FOAM RING, SUCTION CUPS, G SERIES - TYPE M



SILICONE + RING	ØD	d	H	STROKE / mm	FITTINGS
C10.AG15.16F.SF	15.5	3.4	21.2	7.5	C10.A140.410 ; C10.A140.414
C10.AG15.22F.SF	21.5	3.5	21.4	11	C10.A140.410 ; C10.A140.414
C10.AG15.33F.SF	32.5	8	28.4	16	C10.A140.428 ; C10.A140.432
C10.AG15.42F.SF	41.5	8	30.6	13	C10.A140.428 ; C10.A140.432
C10.AG15.53F.SF	52.5	8	37.4	20	C10.A140.428 ; C10.A140.432

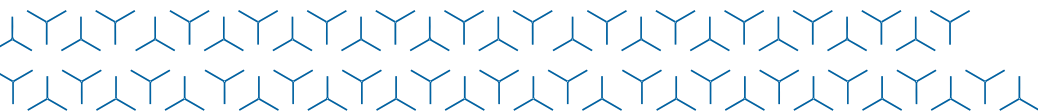
Ideal to handle uneven, textured and porous surfaces.
Ring in mark-free silicone foam.

2.5 BELLOW with SILICONE FOAM RING, SUCTION CUPS, G SERIES - TYPE M

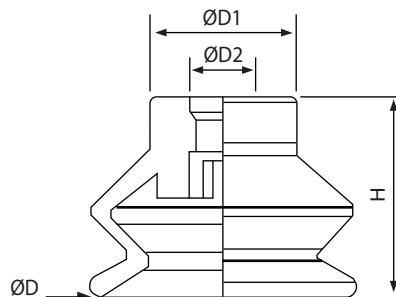


SILICONE + RING	ØD	d	H	STROKE / mm	FITTINGS
C10.AG25.16F.SF	16	3.5	24	10	C10.A140.410 ; C10.A140.414
C10.AG25.22F.SF	22	3.5	24	19	C10.A140.410 ; C10.A140.414
C10.AG25.33F.SF	33	8	32.6	16	C10.A140.428 ; C10.A140.432
C10.AG25.42F.SF	42	8	43.5	21	C10.A140.428 ; C10.A140.432
C10.AG25.53F.SF	53	8	50.5	26	C10.A140.428 ; C10.A140.432

Ideal to handle uneven, textured and porous surfaces.
Ring in mark-free silicone foam.

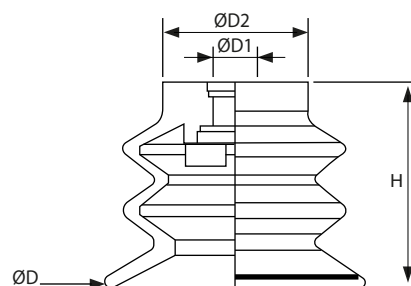


1.5 BELLOWVACUUM CUPS, MULTIFLEX, B SERIES - TYPE M

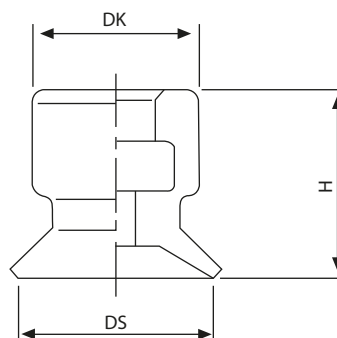


MULTIFLEX	ØD	ØD1	ØD2	H	HARDNESS	STROKE	FITTINGS
C10.AB15-10MF	10	9	3.9	16.5	40	5.5	C10.AF134
C10.AB15-16MF	16	9	3.9	19	30/60	5.5	C10.AF134
C10.AB15-20MF	21	12	5.2	18	30/60	7.6	C10.AF250
C10.AB15-30MF	31	16.8	6.5	17	30/60	7.5	C10.AF251
C10.AB15-40MF	41	22.4	6.3	22.4	30/60	9.3	C10.AF251
C10.AB15-50MF	51	28	10.5	29.2	30/60	14.4	C10.AF252

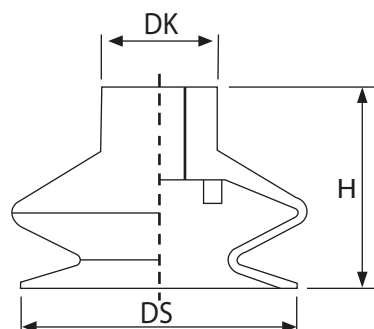
2.5 BELLOWVACUUM CUPS, MULTIFLEX, B SERIES - TYPE M



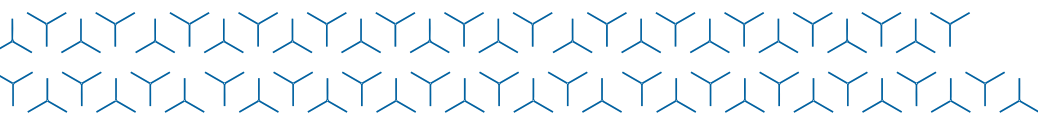
MULTIFLEX	ØD	ØD1	ØD2	H	HARDNESS	STROKE	FITTINGS
C10.AB25-20MF	20.5	5	12	14.8	30/60	6.5	C10.AF250
C10.AB25-25MF	26	5	15.4	18.9	30/60	8	C10.AF250
C10.AB25-30MF	30	5	16.5	21.3	30/60	11	C10.AF250
C10.AB25-35MF	35	6.5	21	25.63	30/60	11	C10.AF251
C10.AB25-40MF	40	6.5	22	28.4	30/60	14.7	C10.AF251
C10.AB25-50MF	50	10.5	27.5	35.5	30/60	20	C10.AF252



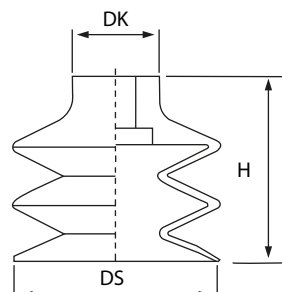
INORMA HT1	INORMA SI	INORMA NBR	DS mm	H mm	DK mm	F (N)	FITTING
NPC.GSV102HT1	NPC.GSV102SI	NPC.GSV102NBR	2	4	4	0.5	JJT07
NPC.GSV13.5HT1	NPC.GSV13.5SI	NPC.GSV13.5NBR	3.5	4	4	0.7	JJT07
NPC.GSV105HT1	NPC.GSV105SI	NPC.GSV105NBR	5	6.5	7.5	0.9	JJT08
NPC.GSV106HT1	NPC.GSV106SI	NPC.GSV106NBR	6	6.5	7.5	1	JJT08
NPC.GSV108HT1	NPC.GSV108SI	NPC.GSV108NBR	8	7	8	1.1	JJT08
NPC.GSV110HT1	NPC.GSV110SI	NPC.GSV110NBR	10	7.5	8.7	1.6	JJT08
NPC.GSV115HT1	NPC.GSV115SI	NPC.GSV115NBR	15	8	12	3.7	JJT09
NPC.GSV120HT1	NPC.GSV120SI	NPC.GSV120NBR	20	10	15	6.1	JJT09
NPC.GSV125HT1	NPC.GSV125SI	NPC.GSV125NBR	25	14	16	9.4	JJT10 + JJT11
NPC.GSV130HT1	NPC.GSV130SI	NPC.GSV130NBR	30	12	15	15.9	JJT10 + JJT11
NPC.GSV135HT1	NPC.GSV135SI	NPC.GSV135NBR	35	14	20.5	23.1	JJT10 + JJT11
NPC.GSV140HT1	NPC.GSV140SI	NPC.GSV140NBR	40	14	23.5	26.7	JJT10 + JJT11
NPC.GSV150HT1	NPC.GSV150SI	NPC.GSV150NBR	50	15	29	38.3	JJT15
NPC.GSV160HT1	NPC.GSV160SI	NPC.GSV160NBR	60	16	38	57.8	JJT15
NPC.GSV180HT1	NPC.GSV180SI	NPC.GSV180NBR	80	18	53	101.1	JJT15



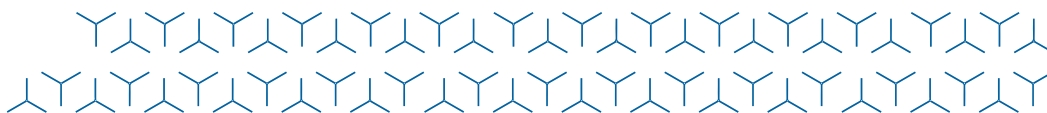
INORMA HT1	INORMA SI	INORMA NBR	DS mm	H mm	DK mm	F (N)	FITTING
NPC.GSV25HT1	NPC.GSV25SI	NPC.GSV25NBR	5.5	11	7	0.5	JJT01
NPC.GSV211HT1	NPC.GSV211SI	NPC.GSV211NBR	11	16	10	1.7	JJT02/JJT03
NPC.GSV214HT1	NPC.GSV214SI	NPC.GSV214NBR	13	16	10	2.5	JJT02/JJT03
NPC.GSV216HT1	NPC.GSV216SI	NPC.GSV216NBR	16	19	10	2.7	JJT02/JJT03
NPC.GSV218HT1	NPC.GSV218SI	NPC.GSV218NBR	18	16.5	10	4.4	JJT02/JJT03
NPC.GSV220HT1	NPC.GSV220SI	NPC.GSV220NBR	19	16	10	5.6	JJT02/JJT03
NPC.GSV222HT1	NPC.GSV222SI	NPC.GSV222NBR	22	19	10	6.1	JJT02/JJT03
NPC.GSV225HT1	NPC.GSV225SI	NPC.GSV225NBR	25	23	10	7.9	JJT02/JJT03
NPC.GSV233HT1	NPC.GSV233SI	NPC.GSV233NBR	33	27.5	18	13.9	JJT06
NPC.GSV243HT1	NPC.GSV243SI	NPC.GSV243NBR	43	28	18	20.2	JJT06
NPC.GSV253HT1	NPC.GSV253SI	NPC.GSV253NBR	53	34	18	42.6	JJT06
NPC.GSV263HT1	NPC.GSV263SI	NPC.GSV263NBR	63	34	18	59.2	JJT06



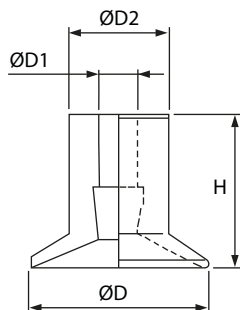
VACUUM CUPS (2.5 BELLOW) - TYPE V



INORMA HT1	INORMA SI	INORMA NBR	DS mm	H mm	DK mm	F (N)	FITTING
NPC.GSV35HT1	NPC.GSV35SI	NPC.GSV35NBR	5	13.5	7	0.5	JJT01
NPC.GSV37HT1	NPC.GSV37SI	NPC.GSV37NBR	7	13.5	9	0.9	JJT02/JJT03
NPC.GSV39HT1	NPC.GSV39SI	NPC.GSV39NBR	9	15	9	1.1	JJT02/JJT03
NPC.GSV312HT1	NPC.GSV312SI	NPC.GSV312NBR	12	21	10	2.8	JJT02/JJT03
NPC.GSV314HT1	NPC.GSV314SI	NPC.GSV314NBR	14	23	10	3	JJT02/JJT03
NPC.GSV318HT1	NPC.GSV318SI	NPC.GSV318NBR	18	23	10	4.4	JJT02/JJT03
NPC.GSV320HT1	NPC.GSV320SI	NPC.GSV320NBR	20	23	10	4.6	JJT02/JJT03
NPC.GSV325HT1	NPC.GSV325SI	NPC.GSV325NBR	25	34	10	6.5	JJT02/JJT03
NPC.GSV332HT1	NPC.GSV332SI	NPC.GSV332NBR	32	37.5	18	12.1	JJT06
NPC.GSV342HT1	NPC.GSV342SI	NPC.GSV342NBR	42	46	18	20.9	JJT06
NPC.GSV352HT1	NPC.GSV352SI	NPC.GSV352NBR	52	49	18	28.9	JJT06
NPC.GSV362HT1	NPC.GSV362SI	NPC.GSV362NBR	62	55	21	41.2	JJT06



FLAT SUCTIONS CUPS - P SERIES - TYPE L



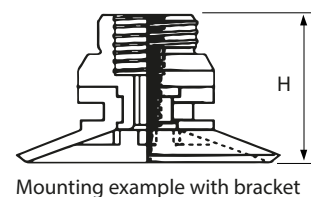
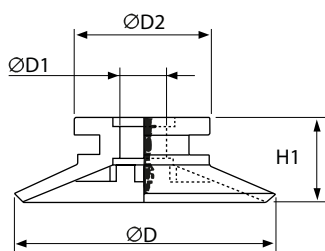
INORMA CR	INORMA SILICONE	D	STROKE / mm	ØD1	ØD2	H	BRACKET
C10.TVSP5FCR	C10.TVSP5FSI	5	0.5	2	4.5	6	VSPHA50
C10.TVSP7FCR	C10.TVSP7FSI	7	1	2	5	6.5	VSPHA50
C10.TVSP9FCR	C10.TVSP9FSI	9	1.5	2	5	7	VSPHA50
C10.TVSP11FCR	C10.TVSP11FSI	11	1	3.8	9	10.5	VSPHB50
C10.TVSP16-0,5FCR*	C10.TVSP16-0,5FSI*	16.5	0.5	3.8	8	11.5	VSPHB50
C10.TVSP16FCR	C10.TVSP16FSI	16.5	2	3.8	9	11.5	VSPHB50

Image for illustrative purposes only: Flat Suction with holder.

*With support rib reinforcement.

Fitting not included.

FLAT SUCTION CUPS WITH SUPPORTS - P SERIES - TYPE L



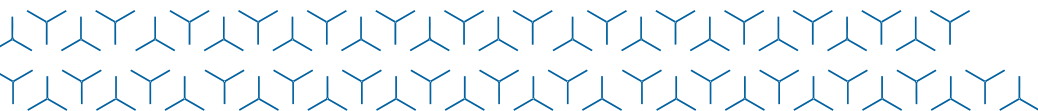
Mounting example with bracket

INORMA CR	INORMA SILICONE	D	ØD1	ØD2	H	H1	STROKE / mm	BRACKET
C10.TVSP20FCR	C10.TVSP20FSI	22	5.5	14.5	17.5	8	0.5	VSPHC18
C10.TVSP20-2,5FCR*	C10.TVSP20-2,5FSI*	22	5.5	14.5	17.5	8	2.5	VSPHC18
C10.TVSP25FCR	C10.TVSP25FSI	28	5.5	14.5	18.5	9	1	VSPHC18
C10.TVSP30FCR	C10.TVSP30FSI	32	5.5	14.5	19.5	10	2.5	VSPHC18
C10.TVSP40FCR	C10.TVSP40FSI	42	6.5	20	21	13	2	VSPHD18
C10.TVSP50FCR	C10.TVSP50FSI	53	10.5	27	26.5	17.5	2.5	VSPHE18

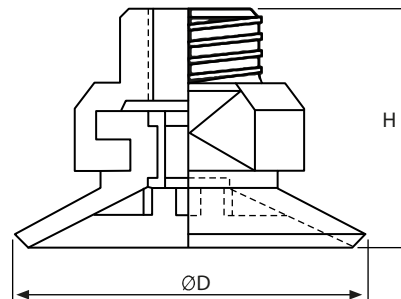
* Without support rib reinforcement.

Image for illustrative purposes only: Flat Suction with holder.

Fitting not included.



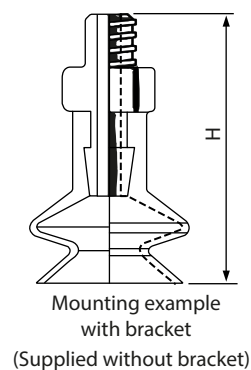
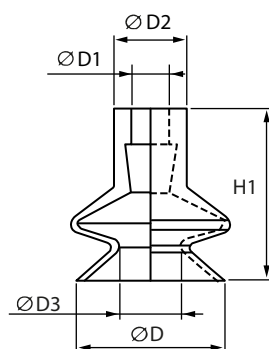
FLAT SUCTION CUPS WITH SUPPORTS RIBS COMPLETE WITH BRACKETS - TYPE L



INORMA CR	INORMA SILICONE	D	STROKE / mm	Connection FT / MT	DN	H
C10.TVSP20FKCR	C10.TVSP20FKSI	22	0.5	M5 - G1/8	4.3	16
C10.TVSP25FKCR	C10.TVSP25FKSI	28	1	M5 - G1/8	4.3	17
C10.TVSP30FKCR	C10.TVSP30FKSI	32	2.5	M5 - G1/8	4.3	18
C10.TVSP40FKCR	C10.TVSP40FKSI	42	2	G1/8 - X	6	21
C10.TVSP50FKCR	C10.TVSP50FKSI	53	2.5	G1/8 - X	8.8	26

Supply volume: 1 piece Suction Cup with assembled bracket and installed suction.

BELLOW SUCTION PADS, 1.5 TIMES - TYPE L

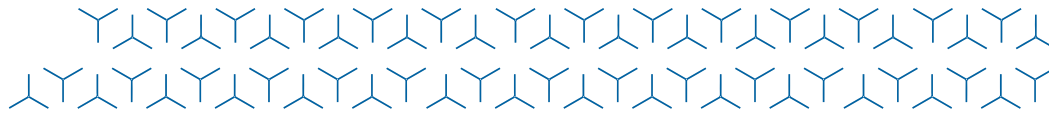


INORMA CR	INORMA SILICONE	D	D1	D2	D3	H	H1	STROKE / mm	BRACKET
C10.TVSP6B1CR	C10.TVSP6B1SI*	6	2	4.5	2.2	16.5	9	2	VSPHA50
C10.TVSP9B1CR	C10.TVSP9B1SI*	9	2	5.5	3.8	19.5	12	3.5	VSPHA50
C10.TVSP11B1CR	C10.TVSP11B1SI	11	4	9	6	26.5	17	5	VSPHB50
C10.TVSP16B1CR	C10.TVSP16B1SI	16	4	9	8	28.5	19	7	VSPHB50

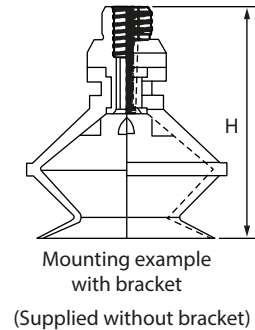
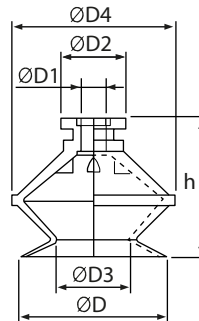
* Red Color.

Image for illustrative purposes only: Mounting example with bracket.

Fitting and bracket not included.



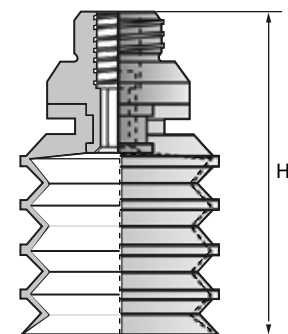
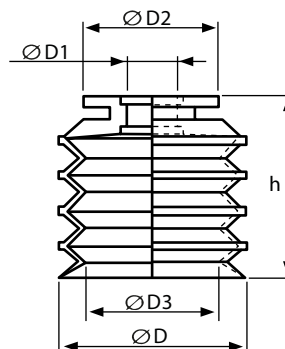
BELLOW SUCTION PADS, 1.5 TIMES - TYPE L



INORMA CR	INORMA SILICONE	D	D1	D2	D3	D4	H	h	STROKE / mm	BRACKET
C10.TVSP20B1CR	C10.TVSP20B1SI	20	5.5	14.5	11	24	29.5	20	9	VSPHC18
C10.TVSP30B1CR	C10.TVSP30B1SI	32	5.5	14.5	17	36	35.6	26	9	VSPHC18
C10.TVSP40B1CR	C10.TVSP40B1SI	42	6.5	20	24	46	36	28	9	VSPHD18i
C10.TVSP50B1CR	C10.TVSP50B1SI	52	10.5	27	31	58	44	35	12	VSPHE18i

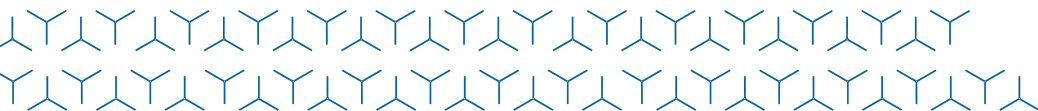
Image for illustrative purposes only: Bellows suction cup with holder.
Fitting and bracket not included.

BELLOW SUCTION PADS, 4.5 TIMES - TYPE L

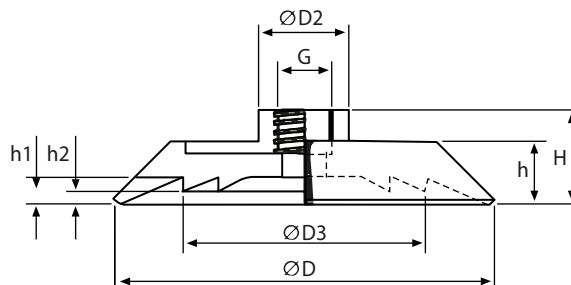


INORMA CR	INORMA SILICONE	D	D1	D2	D3	h	H	STROKE / mm	BRACKET
C10.TVSP20B4CR	C10.TVSP20B4SI	20	5	14.5	14	23	32.5	16	VSPHC18
C10.TVSP30B4CR	C10.TVSP30B4SI	30	6.5	20	21	32	41	21	VSPHD18i
C10.TVSP40B4CR	C10.TVSP40B4SI	40	6.5	20	28	42	50	20	VSPHD18i
C10.TVSP50B4CR	C10.TVSP50B4SI	50	10.5	27	35	51	60	30	VSPHE18i

Image for illustrative purposes only: Bellows suction cup with holder.
Fitting and bracket not included.



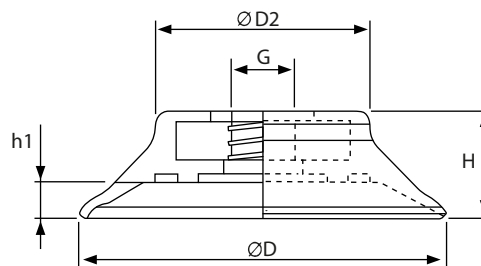
FLAT SUCTION CUPS WITH STANDAR LIPS AND VULCANISED BRACKETS - TYPE L



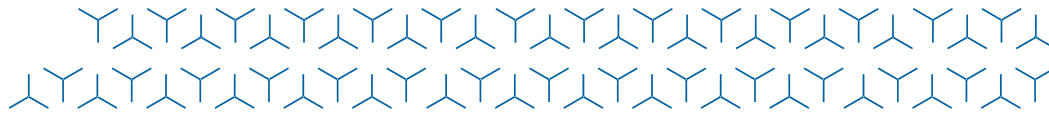
INORMA CR	INORMA SILICONE	D	D2	D3	G (FT)	h	H	h1	h2	DN	STROKE / mm
C10.TVS30FKCR	C10.TVS30FKSI	30	10	18	M5	10	17	3.5	2.5	3.2	2.5
C10.TVS50FKCR	C10.TVS50FKSI	50	18	33	G1/8	11	18	5.5	4.5	8.8	4
C10.TVS75FKCR	C10.TVS75FKSI	75	22	50	G1/4	15	23	7	5.5	11.8	5.5
C10.TVS100FKNBR	C10.TVS100FKSI	100	30	68	G3/8	20	30	15.5	9.5	15.2	10
C10.TVS150FKCR	C10.TVS150FKSI	150	35	100	G1/2	26	42	12	9	19	10
C10.TVS225FKCR	C10.TVS225FKSI	225	50	150	G3/4	34	54	14	11	24.5	8

Universal suction cup, double safety lip prevents separation when leakage of the external lip.

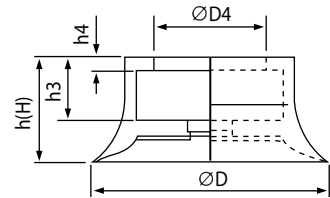
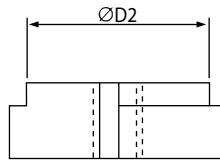
FLAT SUCTION CUPS WITH ROBUST LIPS AND VULCANISED BRACKETS - TYPE L



INORMA CR	INORMA SILICONE	D	D2	DN	G (FT)	H	h1	STROKE / mm
C10.TVS60FSKNBR	C10.TVS60FSKSI	60	38.5	11.8	G1/4	16	5	5
C10.TVS80FSKNBR	C10.TVS80FSKSI	80	53	11.8	G1/4	18	6	6
C10.TVS95FSKNBR	C10.TVS95FSKSI	95	68	11.8	G1/4	19	6	6



FLAT SUCTION CUPS WITH VERY FINE LIPS - TYPE L



INORMA	D	D2	D4	h	h3	h4	H (Incl. bracket)	Connection FT	STROKE mm	BRACKET
C10.TVS40FF	40	26	17	12.5	6	3	12.5	G1/8	3	VSHL18i
C10.TVS70FF	70	50	32.5	30	18	4	32	G1/4	6	VSHM14i
C10.TVS100FF	100	70	50.5	32	19	5	33	G1/4	5	VSHN14i
C10.TVS200FFNRE	200	170	148	32	18	5	34	G1/2	5	VSHP12i

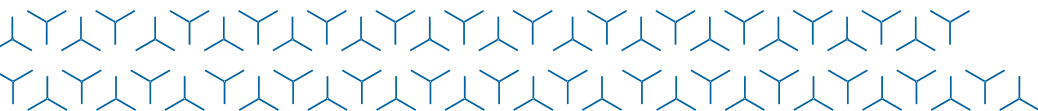
Order Example: C10.TVS40FF*

***Select Material**

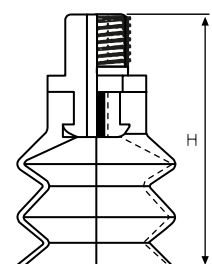
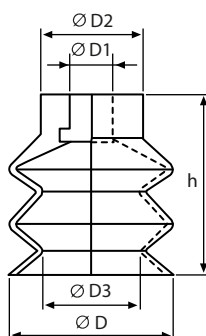
- **SBR** - Buna Reddish Brown - Cosmetic, Uneven Surface
- **NBR** - NBR Grey - Universal
- **SI** - Silicone Transparent - Food, Hight Temperature
- **NR** - Natural Rubber Beige - Wood, Uneven Surface
- **NRE** - Natural Rubber Brown - Wood, Uneven Surface

Image for illustrative purposes only: Suction cup with holder.

Fitting not included.



BELLOW SUCTION PADS, 2.5 TIMES - TYPE L

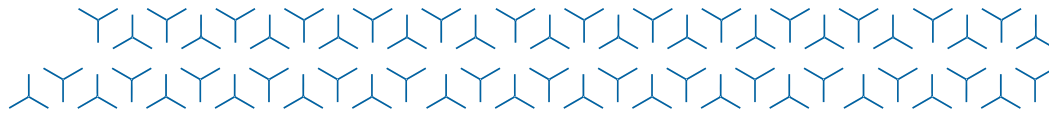


Mounting example
with bracket
(Supplied without bracket)

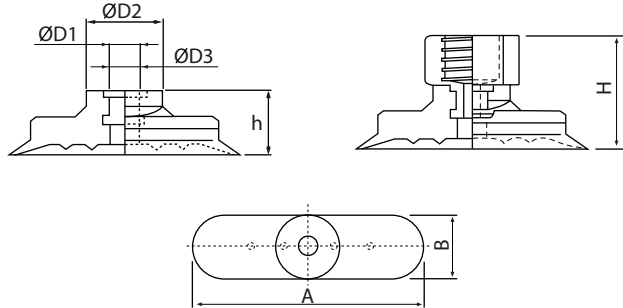
INORMA NBR	INORMA SILICONE	INORMA PUR	D	D1	D2	D3	H	h	STROKE mm	BRACKET
C10.TVS9B2NBR	-	-	9	5	9	4	27.5	15	2	VSHF18i
-	C10.TVS10B2SI	-	10	5	10	6	26.5	14	4	VSHF18i
C10.TVS14B2NBR	C10.TVS14B2SI	C10.TVS14B2PUR	14	5	12	6	35	23	10	VSHF18i
C10.TVS18B2NBR	C10.TVS18B2SI	C10.TVS18B2PUR	18	5	12	7	34	22	8	VSHF18i
C10.TVS30B2NBR	C10.TVS30B2SI	C10.TVS30B2PUR	30	8	19	12	48	33	13	VSHG14i
C10.TVS40B2NBR	C10.TVS40B2SI	C10.TVS40B2PUR	40	8	19	18	60	45	20	VSHG14i

Image for illustrative purposes only: Suction cup with holder.

Fitting and Bracket not included.



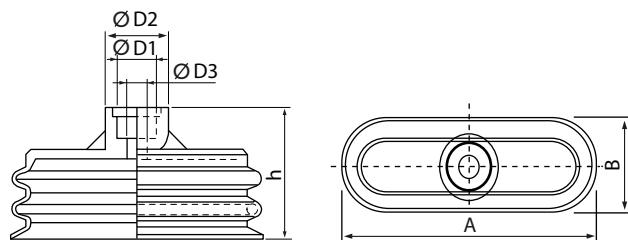
OVAL SUCCTION - TYPE L



INORMA NBR	INORMA SILICONE	INORMA PUR	AXB	STROKE mm	h	H	D1	D2	D3	BRACKET
C10.TVS15X5ONBR	C10.TVS15X5OSI	-	15x5	1	12	22	5	9	2	VSHH18i
C10.TVS18X6ONBR	C10.TVS18X6OSI	C10.TVS18X6OPUR	18x6	1	12	22	5	9	2	VSHH18i
C10.TVS24X8ONBR	C10.TVS24X8OSI	C10.TVS24X8OPUR	24x8	1	12	22	5	12	3	VSHH18i
C10.TVS30X10ONBR	C10.TVS30X10OSI	C10.TVS30X10OPUR	30x10	2	12	22	5	12	3.5	VSHH18i
C10.TVS36X12ONBR	C10.TVS36X12OSI	C10.TVS36X12OPUR	36x12	2	12	22	5	12	4.5	VSHH18i
C10.TVS45X15ONBR	C10.TVS45X15OSI	C10.TVS45X15OPUR	45x15	3	21	33	12	17	4	VSHK14i
C10.TVS60X20ONBR	C10.TVS60X20OSI	C10.TVS60X20OPUR	60x20	3	21	33	12	17	4	VSHK14i
C10.TVS75X25ONBR	C10.TVS75X25OSI	-	75x25	3	22	34	12	18	4	VSHK14i
C10.TVS100X35ONBR	-	-	100x35	3	22	34	12	18	7.5	VSHK14i

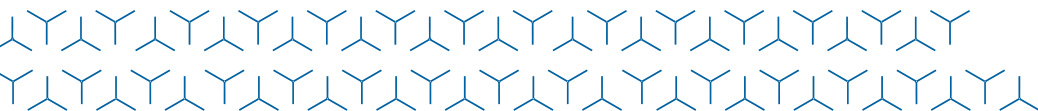
Image for illustrative purposes only: Suction cup with holder.
Fitting and Bracket not included.

OVAL SUCCTION PADS, 2.5 TIMES - TYPE L

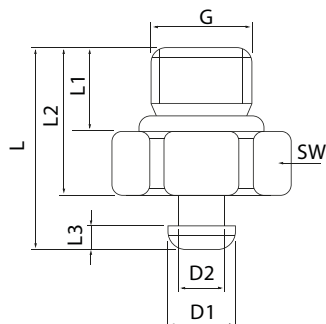


INORMA NBR	INORMA SILICONE	AXB	h	D1	D2	D3	STROKE mm	BRACKET
C10.TVS25X8O2NBR	C10.TVS25X8O2SI	25x8	18.5	5	10	2.5	6	VSHH18 - VSHH50
C10.TVS45X15O2NBR	C10.TVS45X15O2SI	45x15	28.5	12	17.5	5	8.5	VSHK14i
C10.TVS75X25O2NBR	C10.TVS75X25O2SI	75x25	34.5	12	17.5	6	10.5	VSHK14i

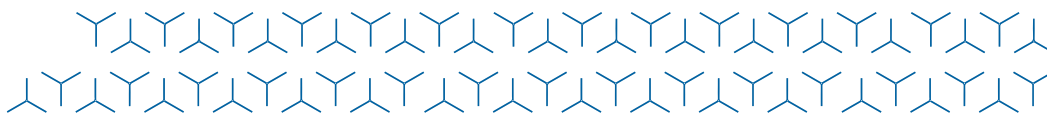
Image for illustrative purposes only: Assembly example with bracket.
Fitting not included.



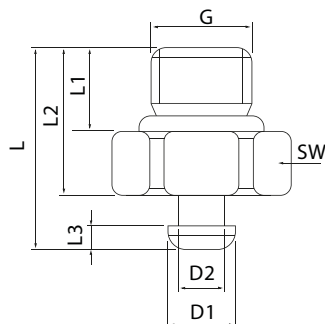
VACUUM FITTINGS FORM A



INORMA	D1	D2	G	L	L1	L2	L3	SW	CUP
NPC.AJJT07	3	2	M5	10.5	4.5	8	2	7	V
C10.A130.591	3.1	2.6	M5	13.2	4.5	8.4	2	8	M
C10.A140.005	3.2	2.2	M5	9.5	4	7	1	8	M
NPC.AJJT01	5	4	M5	14	4	7	3	7	V
C10.AF134	5.2	4	M5	17	4	8	6	8	M
C10.AJJT08	6	4	M5	12	4.5	8	2	7	M
C10.A140.405	6	4.9	M5	13	4	9	2	8	M
C10.A130.009	6.2	4.4	G1/8	17.5	8	13	2	14	M
C10.A130.301	6.3	6	M5	12	4.5	8	2	8	M
NPC.AJJT02	6.5	4.5	G1/8	21	8	13	2	14	V
C10.A130.013	6.5	6	M5	16	5	10	2.5	7	M
C10.A130.003	6.5	4	G1/8	20.2	7.7	13.7	3	14	M
NPC.AJJT03	6.7	4.5	M5	22.5	5.5	14.5	2	8	V
NPC.AJJT09	7	5.4	M5	13	5.4	7.4	2	8	V
C10.A130.030	10	6.7	G1/8	22	8	13	2	14	M
C10.A130.132	10.5	10	G1/8	31	9	17	7	13	M
C10.A130.190	12	8.7	G1/4	29	11	15	2	17	M
C10.A130.093	13	8.6	G1/8	23.3	9	11.3	2.3	13	M
C10.A130.281	14	9	G1/4	30.5	11	15	3.5	19	M
C10.A130.622	20	13.5	G1/4	40	11	17	4	22	M

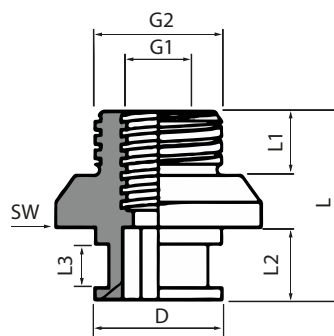


VACUUM FITTINGS FORM B

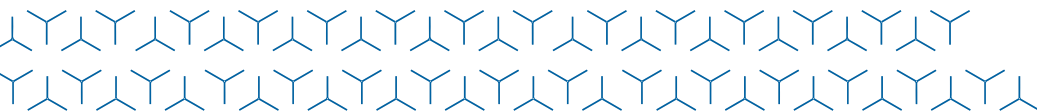


INORMA	D1	D2	G	L	L1	L2	L3	SW	CUP
C10.A140.410	6	4.75	M5	16	4	8.3	1	8	M
C10.A140.414	6	4.8	G1/8	19.5	6.5	11.8	1	13	M
C10.A130.274	9.5	7.3	G1/4	24	12.5	15	2	17	M
C10.A140.424	11.7	9.6	G1/8	20.5	6.5	11.8	1.5	12	M
C10.A140.428	11.8	9.35	G1/8	20.5	6.5	11.8	1.5	16	M
C10.A140.432	11.8	9	G1/4	22	8	13.3	1.5	16	M
NPC.AJJT06	14	9	G1/8	27.3	7.5	12.5	1.5	16	V

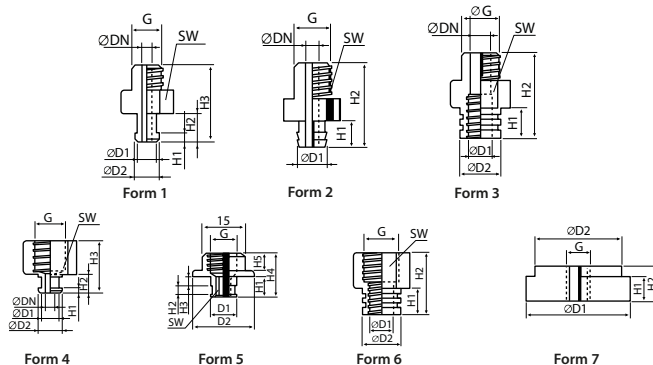
VACUUM FITTINGS FORM C



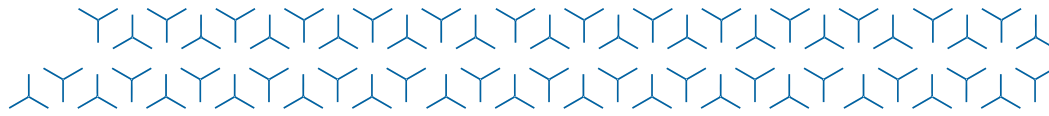
REFERENCE	D	G1	G2	L	L1	L2	L3	SW	CUP
C10.A140.408	6	M5	-	17	9.3	7.7	6.7	8	M
C10.A140.412	6	G1/8	-	21	13.3	7.7	6.7	13	M
C10.AF250	7.5	M5	G1/8	14.5	-	-	-	-	M
C10.AF251	10	G1/8	15	15	6	7	3.5	12	M
C10.A140.422	11.8	G1/8	-	22	13.3	8.7	7	12	M
C10.A140.426	11.8	G1/8	-	22	13.3	8.7	7.2	16	M
C10.A140.430	11.8	G1/4	-	22	13.3	8.7	7.2	16	M
C10.AF252	15	G1/8	15	18	6	9	4.5	12	M



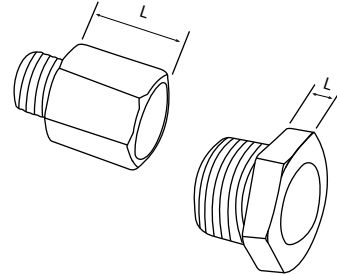
VACUUM FITTINGS TYPE L



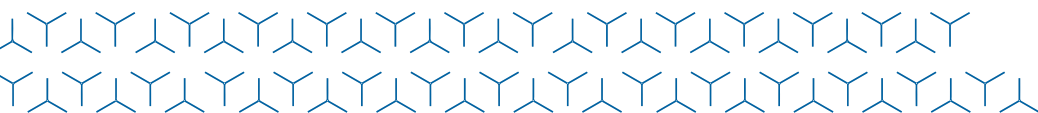
INORMA	FORM	SW	G	DN	D1	D2	H1	H2	H3	H4	H5	BRACKET	CUP
C10.TVSPHA50	1	7	M5	1.5	2.3	3.1	2.3	5.7	13.2	-	-	A	L
C10.TVSPHB50	1	8	M5	2.8	4.2	5.2	6	8	17	-	-	B	L
C10.TVSPHC18	5	3	M5	3.1	7.5	16	5	3	1.5	14.5	3.5	C	L
C10.TVSPHD18I	5	5	G1/8	5.2	10	21	7	3.5	3	15	6	D	L
C10.TVSPHE18I	5	6	G1/8	6.3	15	28	9	4.5	3.5	18	6	E	L
C10.TVSHF18I	4	14	G1/8	3.3	5.7	7.7	3	7.5	19.5	-	-	F	L
C10.TVSHF18	2	14	G1/8	4	7.5	-	6.4	18.8	-	-	-	F	L
C10.TVSHG14I	4	17	G1/4	4	8.6	13	2.3	12	27	-	-	G	L
C10.TVSHG14	1	17	G1/4	4	8.6	13	2.3	12	27	-	-	G	L
C10.TVSHH50	1	8	M5	2.4	5.5	7.3	2.5	5.5	15.5	-	-	H	L
C10.TVSHH18	1	14	G1/8	3	5.5	7.3	2.5	5.5	19.5	-	-	H	L
C10.TVSHH18I	4	14	G1/8	3	5.5	7.3	2.5	5.5	15.5	-	-	H	L
C10.TVSHK14	3	17	G1/4	6.5	M8	13	9	25	-	-	-	K	L
C10.TVSHK14I	6	17	G1/4	6.5	M8	13	9	21	-	-	-	K	L
C10.TVSHL18I	7	-	G1/8	8.5	20	17.5	3	6	-	-	-	L	L
C10.TVSHM14I	7	-	G1/4	11.8	43	32	14.3	20	-	-	-	M	L
C10.TVSHN14I	7	-	G1/4	11.8	60	50	14	20	-	-	-	N	L
C10.TVSHP12I	7	-	G1/2	19	160	150	14	20	-	-	-	P	L



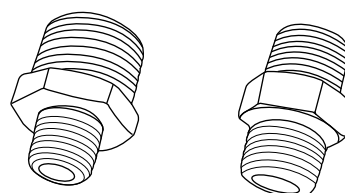
REDUCING NIPPLES



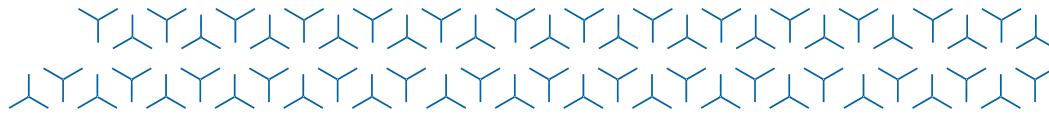
TYPE 16bar BRASS NICKEL-PLATED	TYPE 16bar BRASS	TYPE 40bar AISI 316 Ti	F/M	SW	L
C10.TRN53MSV	C10.TRN53MS	C10.TRN53ES	M5 X M3	7	1.5
C10.TRN518MSV	C10.TRN518MS	C10.TRN518ES	M5 X G1/8	14	12
C10.TRN185MSV	C10.TRN185MS	C10.TRN185ES	G1/8 X M5	14	4
C10.TRN1814MSV	C10.TRN1814MS	C10.TRN1814ES	G1/8 X G1/4	17	18
C10.TRN1838MSV	C10.TRN1838MS	-	G1/8 X G3/8	19	19
C10.TRN1812MSV	-	-	G1/8 X G1/2	24	18
-	C10.TRN145MS	C10.TRN145ES	G1/4 X M5	17	4
C10.TRN1418MSV	C10.TRN1418MS	C10.TRN1418ES	G1/4 X G1/8	17	4
C10.TRN1438MSV	C10.TRN1438MS	C10.TRN1438ES	G1/4 X G3/8	19	20
C10.TRN1412MSV	C10.TRN1412MS	-	G1/4 X G1/2	24	14
C10.TRN3818MSV	C10.TRN3818MS	C10.TRN3818ES	G3/8 X G1/8	19	4
C10.TRN3814MSV	C10.TRN3814MS	C10.TRN3814ES	G3/8 X G1/4	19	5
C10.TRN3812MSV	C10.TRN3812MS	C10.TRN3812ES	G3/8 X G1/2	24	16
C10.TRN1218MSV	C10.TRN1218MS	C10.TRN1218ES	G1/2 X G1/8	24	6
C10.TRN1214MSV	C10.TRN1214MS	C10.TRN1214ES	G1/2 X G1/4	24	6
C10.TRN1238MSV	C10.TRN1238MS	C10.TRN1238ES	G1/2 X G3/8	24	6



DOUBLE NIPPLES WITH CONICAL THREADS



TYPE 16bar BRASS NICKEL-PLATED	TYPE 16bar BRASS/RED BRONZE	TYPE 16bar AISI 316	TYPE 25bar MALL. CAST IRON GALV.	M/M	SW
C10.TDN1818KMSV	C10.TDN1818KMS	C10.TDN1818KES	C10.TDN1818KST	R1/8 X R1/8	12
C10.TDN1418KMSV	C10.TDN1418KMS	C10.TDN1418KES	C10.TDN1418KST	R1/4 X R1/8	14
C10.TDN1414KMSV	C10.TDN1414KMS	C10.TDN1414KES	C10.TDN1414KST	R1/4 X R1/4	14
C10.TDN3818KMSV	C10.TDN3818KMS	C10.TDN3818KES	C10.TDN3818KST	R3/8 X R1/8	17
C10.TDN3814KMSV	C10.TDN3814KMS	C10.TDN3814KES	C10.TDN3814KST	R3/8 X R1/4	17
C10.TDN3838KMSV	C10.TDN3838KMS	C10.TDN3838KES	C10.TDN3838KST	R3/8 X R3/8	17
-	C10.TDN33MS	C10.TDN33ES	-	M3 X M3	8
-	C10.TDN53MS	C10.TDN53ES	-	M5 X M3	8
C10.TDN55MSV	C10.TDN55MS	C10.TDN55ES	-	M5 X M5	8
C10.TDN185MSV	C10.TDN185MS	C10.TDN185ES	-	G1/8 X M5	14
C10.TDN1818MSV	C10.TDN1818MS	C10.TDN1818ES	-	G1/8 X G1/8	14
-	C10.TDN145MS	C10.TDN145ES	-	G1/4 X M5	17



**M SERIES,
SPRUE GRIPPERS**



H2

SHORT SPRUE GRIPPERS



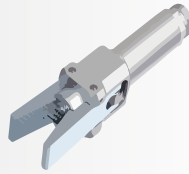
H3

**STANDARD
SPRUE GRIPPERS**



H4

**SPRUE GRIPPERS
- 2016**



H6

GZ SPRUE GRIPPERS



H7

GZ20 SPRUE GRIPPERS



H8

POWER GRIPPERS



H9

SERIES GS10



H10

SERIES GS14



H11

SERIES GS20

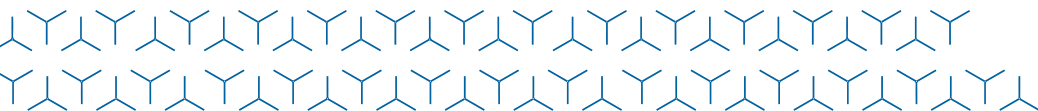


H13

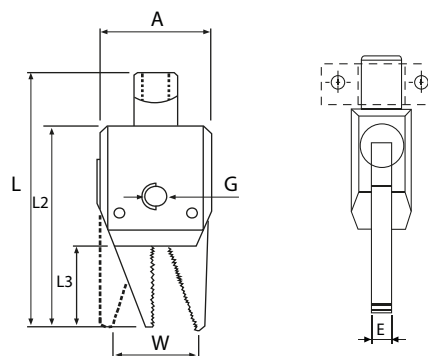
**SERIES GS
POWER GRIPPERS**



H15

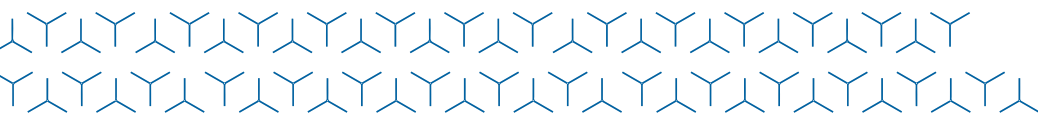


SPRUE GRIPPERS M SERIES

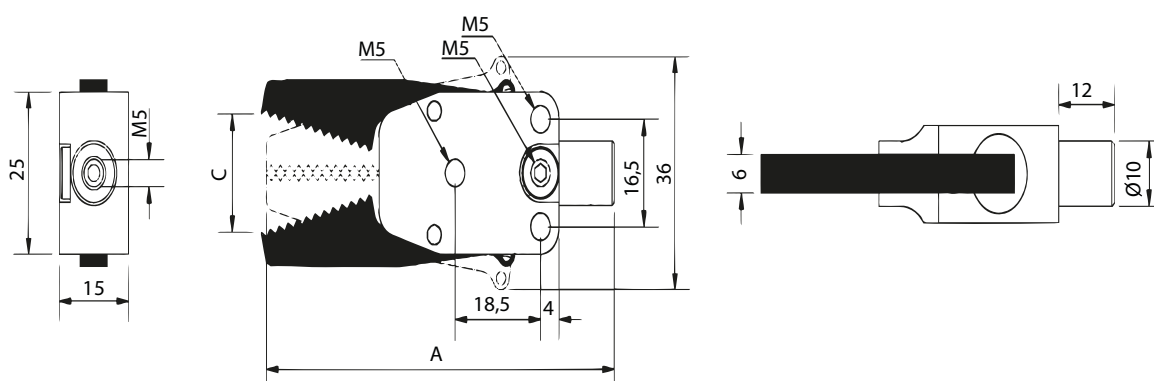


REFERENCE	A	G	L	L2	L3	E	W	GRIP FORCE (N)	Weight(g)
C10.AMSG30	15	M4	45	30	12	3	6	10	6
C10.AMSG40	20	M6	55	40	16	4	9.4	15	9.4
C10.AMSG50	25	M6	66	50	20	5	14	23	14
C10.AMSG60	30	M6	76	60	24	6	16.3	31	16.3





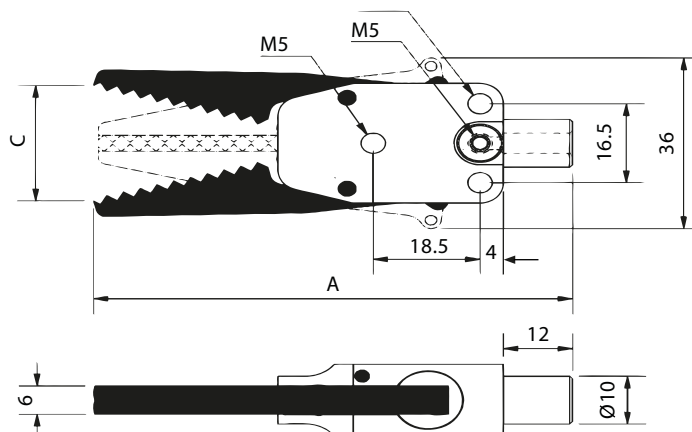
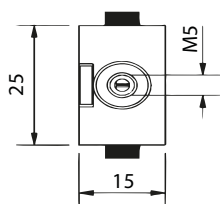
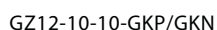
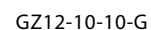
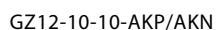
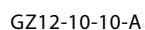
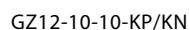
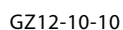
SPRUE GRIPPERS 12-10 STANDARD SERIES



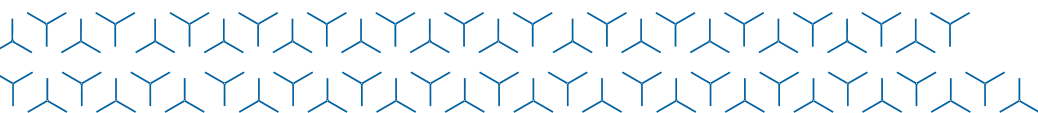
REFERENCE	A	C	JAW TYPE	SENSOR	CLOSING FORCE (6 bar)	WEIGHT (g)
C10.AGZ12-10-10-M	75	19.5	SERRATED	-	30N	40
C10.AGZ12-10-10-C	75	17.9	CURVED	-	30N	36
C10.AGZ12-10-10-CKP	76	19	CURVED	PNP	30N	45
C10.AGZ12-10-10-CKN	76	19	CURVED	NPN	30N	45
C10.AGZ12-10-10-MC	75	19	1 SERRATED / 1 CURVED	-	30N	37
C10.AGZ12-10-10-W	75.3	20	WIDE	-	30N	39
C10.AGZ12-10-10-B	59.3	13	CUSTOM	-	30N	32
C10.AGZ12-10-10-L	76.5	20	DIAMOND PATTERN	-	30N	36
C10.AGZ12-10-10-L90	76	19.3	DIAMOND PATTERN 90°	-	30N	43
C10.AGZ12-10-10-LL	75.3	19.8	SMOOTH	-	30N	40
C10.AGZ12-10-10-MF	76.5	19.6	SERRATED STEEL	-	30N	58

2.5 - 8bar

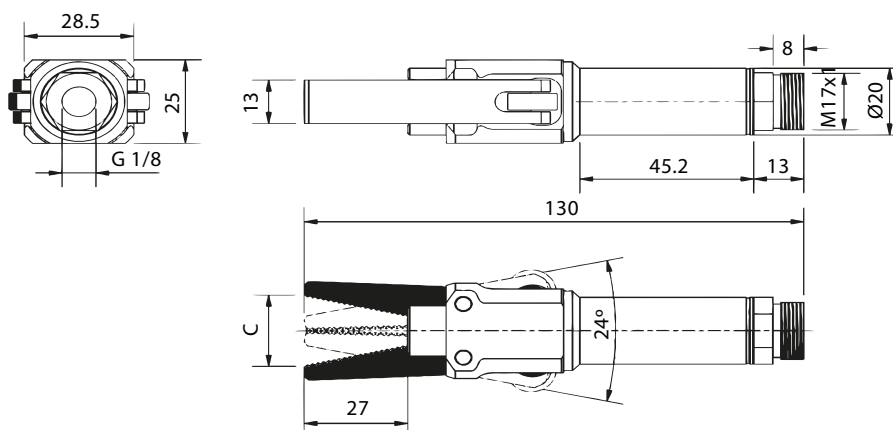
SPRUE GRIPPERS 12-10 LONG SERIES



2.5 - 8Bar



SPRUE GRIPPERS 2016 SERIES (THREADED)



DIAMOND PATTERN



SERRATED



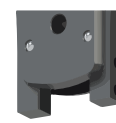
CURVED



SAW TOOTH



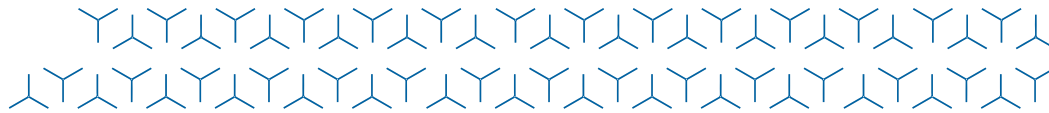
VITON RUBBER PADS



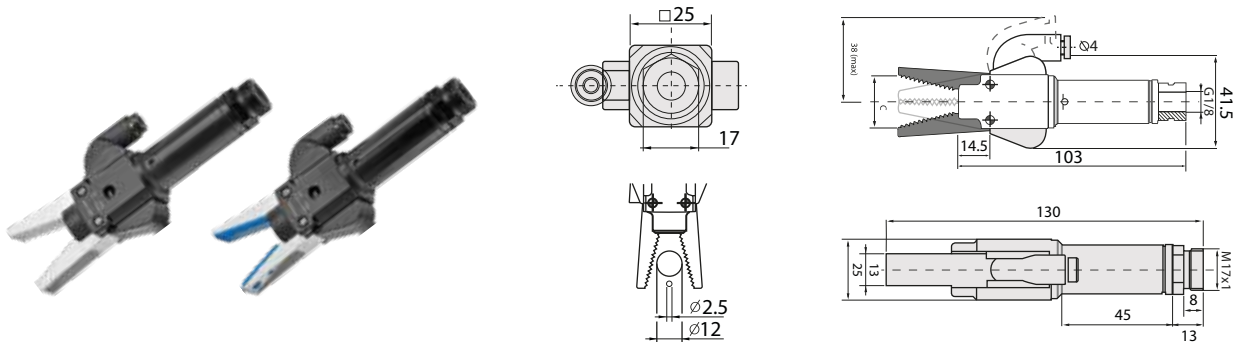
CUSTOM

REFERENCE	C	JAW TYPE	SENSOR	CLOSING FORCE (6 bar)	WEIGHT (g)
C10.AGZ.2016	20	DIAMOND PATTERN	-	65N	163
C10.AGZ.2016.KP	22	DIAMOND PATTERN	PNP	65N	160
C10.AGZ.2016.KN	22	DIAMOND PATTERN	NPN	65N	160
C10.AGZ.2016ST	24	SAW TOOTH	-	65N	157
C10.AGZ.2016ST.KP	21	SAW TOOTH	PNP	65N	154
C10.AGZ.2016ST.KN	21	SAW TOOTH	NPN	65N	154
C10.AGZ.2016V	20	VITON RUBBER PADS	-	65N	109
C10.AGZ.2016V.KP	21	VITON RUBBER PADS	PNP	65N	117
C10.AGZ.2016V.KN	21	VITON RUBBER PADS	NPN	65N	117
C10.AGZ.2016CC	19	CURVED	-	65N	163
C10.AGZ.2016C	19	1 CURVED / 1 DIAMOND PATTERN A	-	65N	163
C10.AGZ.2016C.KP	21	1 CURVED / 1 DIAMOND PATTERN A	PNP	65N	170
C10.AGZ.2016C.KN	21	1 CURVED / 1 DIAMOND PATTERN A	NPN	65N	170
C10.AGZ.2016A	-	CUSTOM	-	65N	135

2.5 - 8Bar



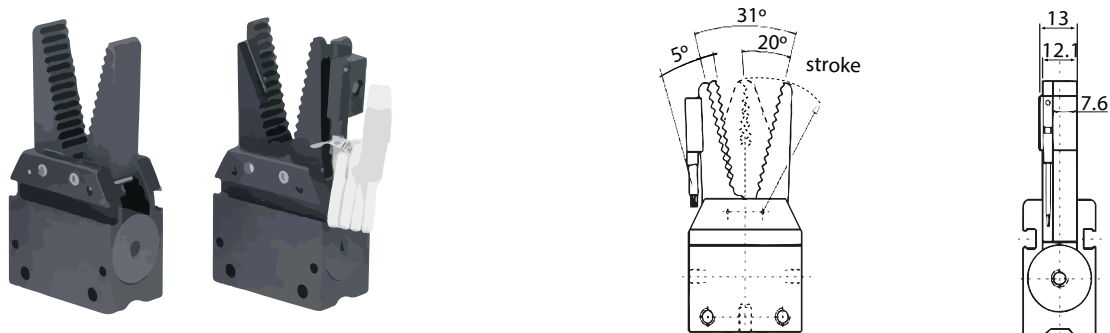
GZ2016- COMPACT SPRUE GRIPPER



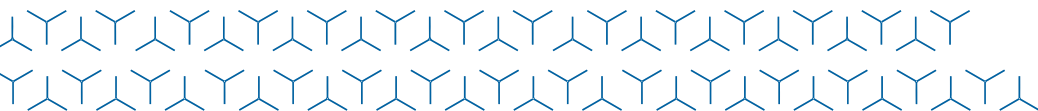
REFERENCE	C	JAW TYPE	SENSOR	CLOSING FORCE (6 bar)	WEIGHT (g)
C10.AGZ.2016.LV	20.9	HNBR Pads	Vacuum	60N	116
C10.AGZ.2016.MV	23.5	DIAMOND PATTERN	Vacuum	60N	119

2.5 - 8bar

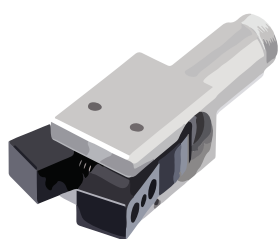
SELF-CENTERING SPRUE GRIPPER



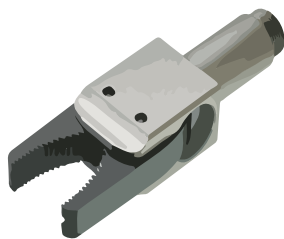
REFERENCE	JAW TYPE	OPERATION	SENSOR	WEIGHT (g)
C10.AGZ.AA24	SERRATED	DOUBLE ACTING	-	115
C10.AGZ.AA24.1N	SERRATED	NORMALLY OPEN	NPN	151
C10.AGZ.AA24.1P	SERRATED	NORMALLY OPEN	PNP	151



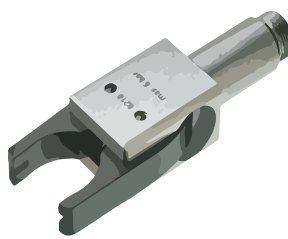
SPRUE GRIPPERS GZ20 SERIES (THREADED)



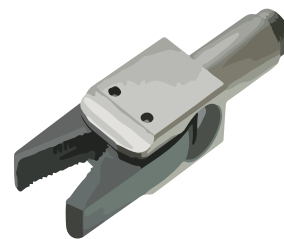
GZ20-10-A



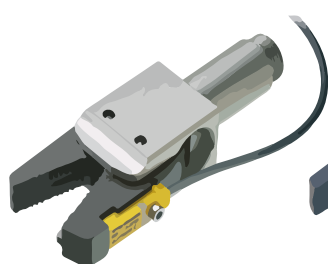
GZ20-10-E



GZ20-10-L



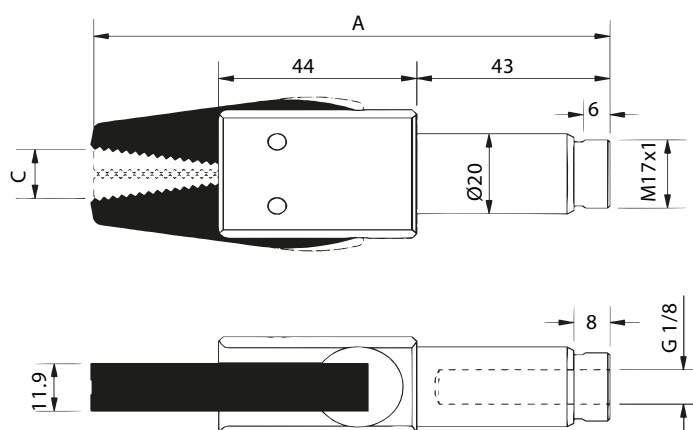
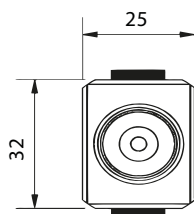
GZ20-10-10



GZ20-10-10-S/SN



GZ20-10-W-S/SN



DIAMOND PATTERN



SERRATED



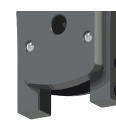
CURVED



SAW TOOTH



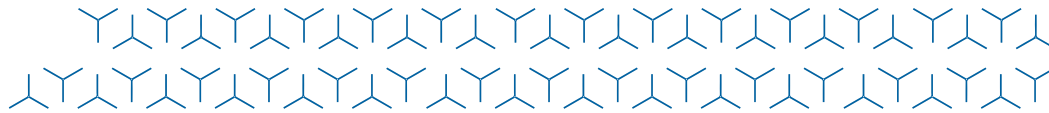
VITON RUBBER PADS



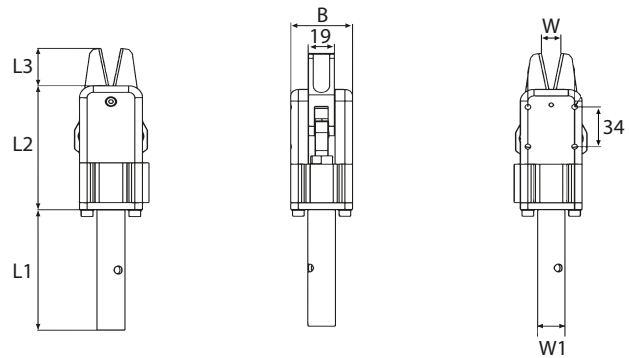
CUSTOM

REFERENCE	A	C	JAW TYPE	SENSOR	CLOSING FORCE (6 bar)	WEIGHT (g)
C10.AGZ20-10-A	100	15	CUSTOM	-	90N	114
C10.AGZ20-10-E	115	21	CURVED	-	90N	117
C10.AGZ20-10-L	115	23	CURVE-SMOOTH	-	90N	120
C10.AGZ20-10-10	115	21	SERRATED	-	90N	121
C10.AGZ20-10-10-S	115	21	SERRATED	PNP	90N	127
C10.AGZ20-10-10-SN	115	21	SERRATED	NPN	90N	127
C10.AGZ20-10-W-S	115	21	CURVED	PNP	90N	123
C10.AGZ20-10-W-SN	115	21	CURVED	NPN	90N	123

2.5 - 8bar

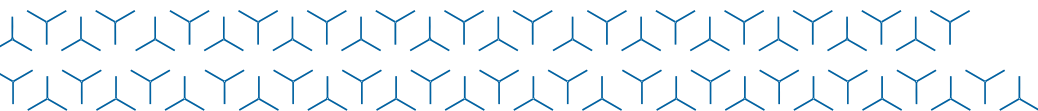


POWER GRIPPERS

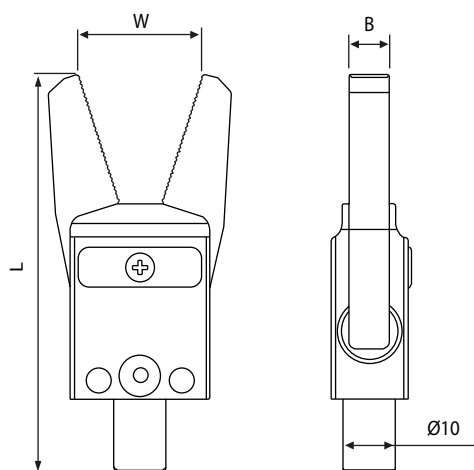


REFERENCE	TYPE	B	L1	L2	L3	W	W1	WEIGHT (g)
C10.AGSZ.3220	STEEL JAWS	45	54	111	31	12.5	20	563
C10.AGSZ.3220-1P	STEEL JAWS	45	54	111	35.2	12.5	20	563
C10.AGSZ.3220.2010	STEEL JAWS	45	54	228	31	12.5	20	1455

Air Inlet and Outlet G1/8

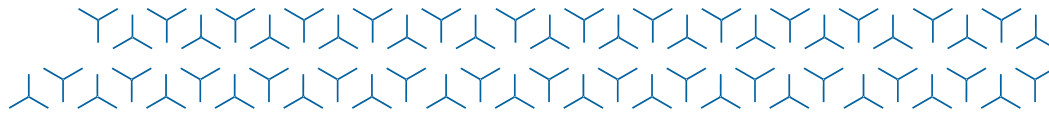


SPRUE GRIPPER - SERIES GS10



INORMA	JAW TYPE	SENSOR	L	W	B	OPEN/CLOSE (N/cm)	WEIGHT (g)
NPC.GS10B06	SERRATED	-	45	6.8	3	1/10	7
NPC.GS10B08	SERRATED	-	57	11	4	2/24	15
NPC.GS10C08	SILICONE PAD	-	55.1	10	4	2/24	15
NPC.GS10A12	DIAMOND PATTERN	-	82	22	8	5/80	53
NPC.GS10A12CP	SERRATED / DIAMOND PATTERN	PNP	82	20	8	5/80	60
NPC.GS10A12CN	SERRATED / DIAMOND PATTERN	NPN	82	20	8	5/80	60
NPC.GS10B12	SERRATED	-	82	22	8	5/80	50
NPC.GS10B12CP	SERRATED	PNP	82	20	8	5/80	58
NPC.GS10B12CN	SERRATED	NPN	82	20	8	5/80	58
NPC.GS10C12	SILICONE PAD	-	82	23	8	5/80	47
NPC.GS10C12CP	SILICONE PAD	PNP	82	21	8	5/80	55
NPC.GS10C12CN	SILICONE PAD	NPN	82	21	8	5/80	55
NPC.GS10D12	SAW TOOTH	-	82	22	8	5/80	75
NPC.GS10E12	EXTRA WIDE	-	82	22	8	5/80	55
NPC.GS10F12	CUSTOM	-	82	20	8	5/80	45

Air Inlet: M5. 2.5 - 8bar



SPRUE GRIPPER -SERIES GS14 (THREADED/SHORT)



GS14A-14



GS14B-14



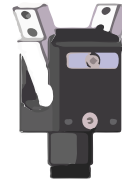
GS14C-14



GS14D-14



GS14E-14



GS14F-14



GS14A-14-CN/CP



GS14B-14-CN/CP



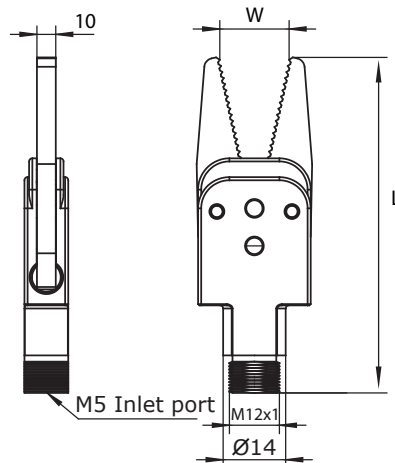
GS14C-14-CN/CP



GS14D-14-CN/CP



GS14E-14-CN/CP



DIAMOND PATTERN



SERRATED



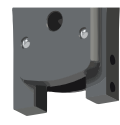
CURVED



SAW TOOTH



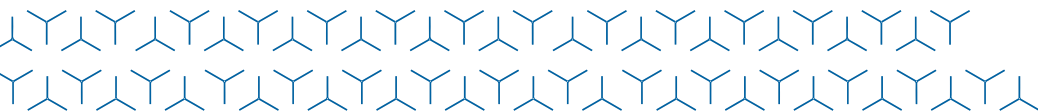
SILICONE PAD



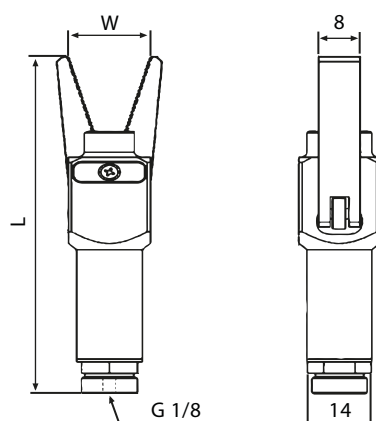
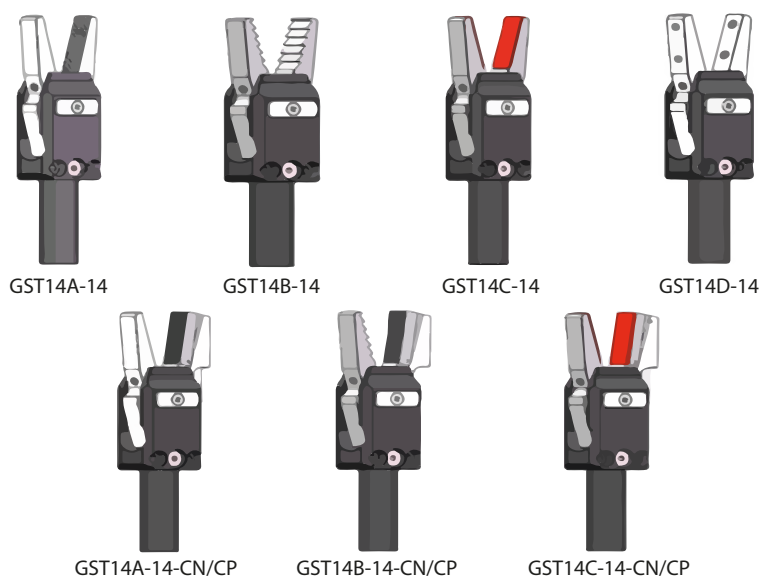
CUSTOM

INORMA	JAW TYPE	SENSOR	L	W	OPEN/CLOSE (N/cm)	WEIGHT (g)
NPC.GS14A14	DIAMOND PATTERN	-	89.5	23	7/130	68
NPC.GS14A14CP	DIAMOND PATTERN	PNP	89.5	22	7/130	80
NPC.GS14A14CN	DIAMOND PATTERN	NPN	89.5	22	7/130	80
NPC.GS14B14	SERRATED	-	89.5	23	7/130	68
NPC.GS14B14CP	SERRATED / DIAMOND PATTERN	PNP	89.5	22	7/130	80
NPC.GS14B14CN	SERRATED / DIAMOND PATTERN	NPN	89.5	22	7/130	80
NPC.GS14C14	SILICONE PAD	-	89.5	23	7/130	68
NPC.GS14C14CP	SILICONE PAD	PNP	89.5	22	7/130	80
NPC.GS14C14CN	SILICONE PAD	NPN	89.5	22	7/130	80
NPC.GS14D14	SAW TOOTH	-	89.5	23	7/130	68
NPC.GS14D14CP	SAW TOOTH	PNP	89.5	22	7/130	80
NPC.GS14D14CN	SAW TOOTH	NPN	89.5	22	7/130	80
NPC.GS14E14	CURVED	-	89.5	23	7/130	68
NPC.GS14E14CP	CURVED	PNP	89.5	22	7/130	80
NPC.GS14E14CN	CURVED	NPN	89.5	22	7/130	80
NPC.GS14F14	CUSTOM	-	76	27	7/130	68

2.5 - 8bar



SPRUE GRIPPER - SERIES GST14 (LONG)



DIAMOND PATTERN



SERRATED



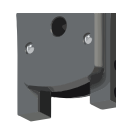
CURVED



SAW TOOTH



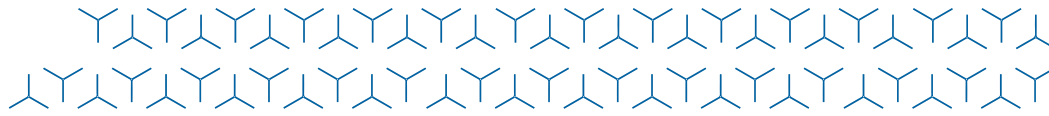
SILICONE PAD



CUSTOM

INORMA	JAW TYPE	SENSOR	L	W	OPEN/CLOSE (N/cm)	WEIGHT (g)
NPC.GST14A14	DIAMOND PATTERN	-	118	25	5/80	80
NPC.GST14A14CP	DIAMOND PATTERN	PNP	118	22	5/80	100
NPC.GST14A14CN	DIAMOND PATTERN	NPN	118	22	5/80	100
NPC.GST14B14	SAW TOOTH	-	118	25	5/80	80
NPC.GST14B14CP	SAW TOOTH	PNP	118	22	5/80	100
NPC.GST14B14CN	SAW TOOTH	NPN	118	22	5/80	100
NPC.GST14C14	SILICONE PAD	-	118	25	5/80	80
NPC.GST14C14CP	SILICONE PAD	PNP	118	22	5/80	100
NPC.GST14C14CN	SILICONE PAD	NPN	118	22	5/80	100
NPC.GST14D14	CUSTOM	-	118	25	5/80	80

2.5 - 8bar



SPRUE GRIPPER - SERIES GS20 (THREADED/SHORT)



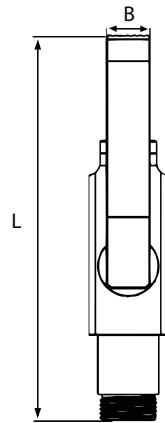
GS20A-20-CN/PN



GS20B-20-CN/PN



GS20-20-CN/PN



DIAMOND PATTERN



SERRATED



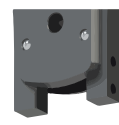
CURVED



SAW TOOTH



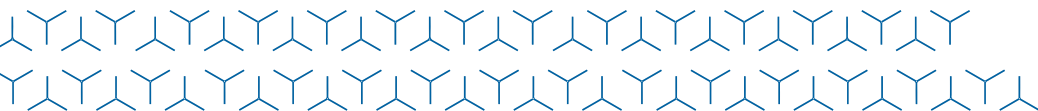
SILICONE PAD



CUSTOM

INORMA	JAW TYPE	SENSOR	L	W	B	OPEN/CLOSE (N/cm)	WEIGHT (g)
NPC.GS20A20	DIAMOND PATTERN	-	116	24	12	10/210	112
NPC.GS20A20CP	DIAMOND PATTERN	PNP	116	22	12	10/210	137
NPC.GS20A20CN	DIAMOND PATTERN	NPN	116	22	12	10/210	137
NPC.GS20B20	SAW TOOTH	-	116	24	12	10/210	112
NPC.GS20B20CP	SAW TOOTH	PNP	116	22	12	10/210	137
NPC.GS20B20CN	SAW TOOTH	NPN	116	22	12	10/210	137
NPC.GS20C20	SILICONE PAD	-	116	21	12	10/210	112
NPC.GS20C20CP	SILICONE PAD	PNP	116	22	12	10/210	137
NPC.GS20C20CN	SILICONE PAD	NPN	116	22	12	10/210	137
NPC.GS20D20	SAW TOOTH	-	142	36.5	12	10/210	140
NPC.GS20D20CP	SAW TOOTH	PNP	142	34	12	10/210	160
NPC.GS20D20CN	SAW TOOTH	NPN	142	34	12	10/210	160
NPC.GS20E20	CUSTOM	-	110	44	12	10/210	125
NPC.GS20F20	DIAMOND PATTERN CUSTOM	-	121	21	12	10/210	130
NPC.GS20G20CP	CURVED	PNP	126	35.5	12	10/210	141
NPC.GS20G20CN	CURVED	NPN	126	35.5	12	10/210	141
NPC.GS20H20	CURVED	-	116	24	12	10/210	123

Air Inlet: M5



SPRUE GRIPPER - SERIES GST20



GST20A-16



GST20B-16



GST20C-16



GST20D-16



GST20E-16



GST20A-16-CN/CP



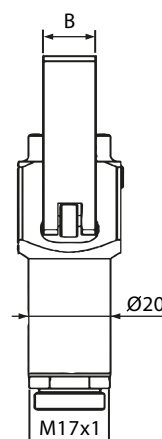
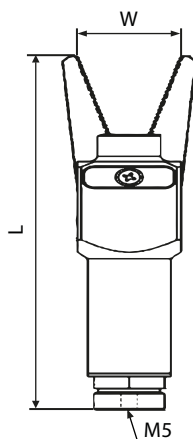
GST20B-16-CN/CP



GST20C-16-CN/CP



GST20D-16-CN/CP



DIAMOND PATTERN



SERRATED



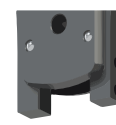
CURVED



SAW TOOTH



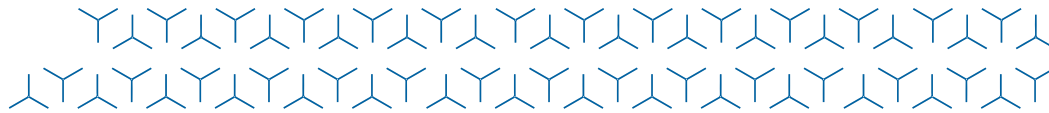
SILICONE PAD



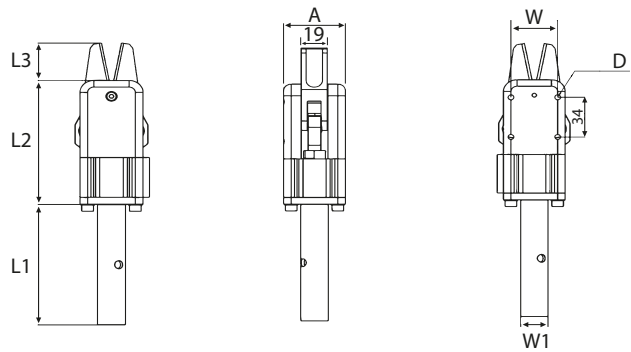
CUSTOM

INORMA	JAW TYPE	SENSOR	L	W	B	OPEN/CLOSE (N/cm)	WEIGHT (g)
NPC.GST20A16	DIAMOND PATTERN	-	131.5	24	13	20/300	165
NPC.GST20A16CP	DIAMOND PATTERN	PNP	131.5	24	13	20/300	190
NPC.GST20A16CN	DIAMOND PATTERN	NPN	131.5	24	13	20/300	190
NPC.GST20B16	CURVED	-	131.5	24	13	20/300	165
NPC.GST20B16CP	CURVED	PNP	131.5	24	13	20/300	190
NPC.GST20B16CN	CURVED	NPN	131.5	24	13	20/300	190
NPC.GST20C16	SILICONE PAD	-	131.5	24	13	20/300	165
NPC.GST20C16CP	SILICONE PAD	PNP	131.5	24	13	20/300	190
NPC.GST20C16CN	SILICONE PAD	NPN	131.5	24	13	20/300	190
NPC.GST20D16	SMOOTH	-	131.5	24	13	20/300	165
NPC.GST20D16CP	SMOOTH	PNP	131.5	24	13	20/300	190
NPC.GST20D16CN	SMOOTH	NPN	131.5	24	13	20/300	190
NPC.GST20E16	CUSTOM	-	106.5	40	13	20/300	152
NPC.GST20F16	SAW TOOTH	-	131.5	24	13	20/300	165
NPC.GST20F16CP	SAW TOOTH	PNP	131.5	24	13	20/300	190
NPC.GST20F16CN	SAW TOOTH	NPN	131.5	24	13	20/300	190

2.5 - 8bar



POWER GRIPPERS



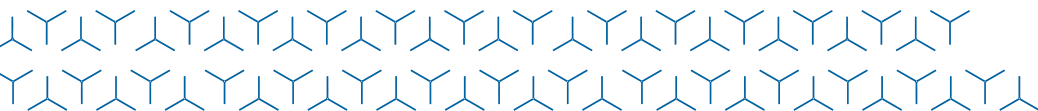
INORMA	TYPE	A	D	L1	L2	L3	W	W1	WEIGHT (g)
NPC.GSRP32A	SERRATED	45	4xM5	100	103	31	14.5	20	625
NPC.GSRP32A30	SERRATED	67	6xM5	100	214	31	14.5	20	1350
NPC.GSRP32A3020	SERRATED	67	8xM5	100	214	31	14.5	20	1865
NPC.GSRP32B	SILICONE PADS	45	4xM5	100	103	31	14.5	20	625
NPC.GSRP32B30	SILICONE PADS	67	6xM5	100	214	31	14.5	20	1350
NPC.GSRP32B3020	SILICONE PADS	67	8xM5	100	214	31	14.5	20	1865

Temperature range: 5°C - 60°C

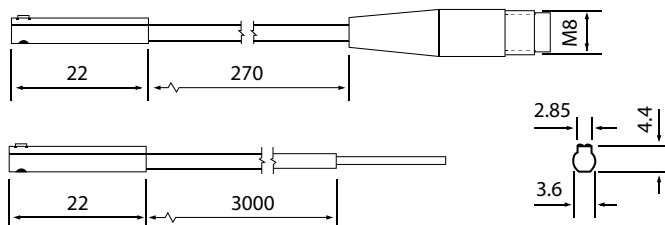
Operating pressure: 2.5 - 8bar

Closing gripping Torque: 375N/cm

Double action



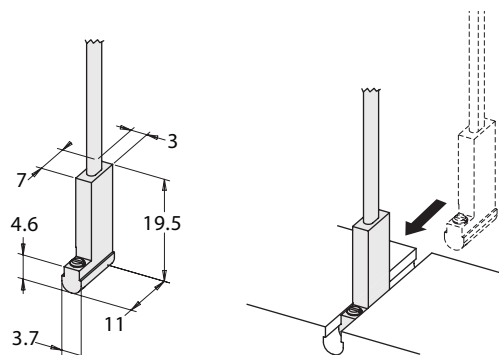
C SLOT SENSOR TYPE



REFERENCE	INORMA	OUTPUT	SENSOR TYPE	CONNECTOR	LEADS	WEIGHT (g)
C10.A5N.K5P.M8	NPC.DM9P	PNP	Electronic	M8 3pin	0.3 m	4
C10.A5N.K5N.M8	NPC.DM9N	NPN	Electronic	M8 3pin	0.3 m	4
C10.A5N.K5P.3MW	NPC.DM9PL	PNP	Electronic	-	3 m	4
C10.A5N.K5N.3MW	NPC.DM9NL	NPN	Electronic	-	3 m	4

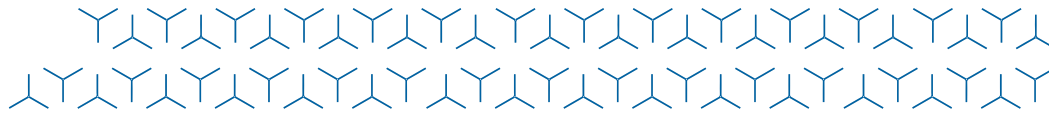
PNP - STANDARD W - POSITIVE LOAD

C SLOT SENSOR TYPE

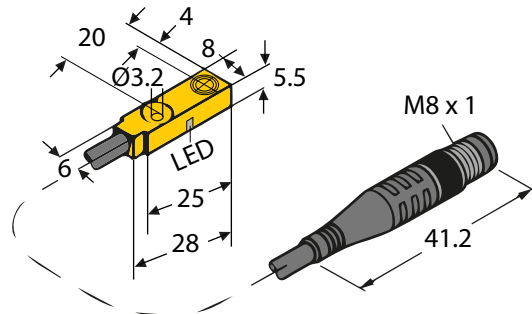


INORMA	OUTPUT	SENSOR TYPE	CONNECTOR	LEADS	WEIGHT (g)
NPC.DM9PV	PNP	Electronic	M8 3pin	0.3 m	4
NPC.DM9NV	NPN	Electronic	M8 3pin	0.3 m	4
NPC.DM9PVL	PNP	Electronic	-	3 m	4
NPC.DM9NVL	NPN	Electronic	-	3 m	4

PNP - STANDARD W - POSITIVE LOAD



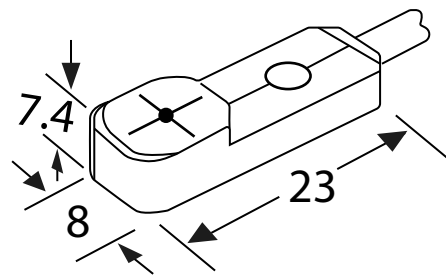
SENSOR



REFERENCE	SUPPLY	TYPE	CABLE LENGTH	CONNECTION
C10.AGZ20.SM8.PNP	12-30VDC	PNP	300	M8
C10.AGZ20.SM8.NPN	12-30VDC	NPN	300	M8

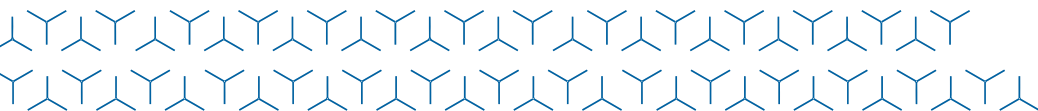
IEC: IP67 for dust and water resistance.
PNP - Standard W - Positive Load
BI2-Q5.5-AP6X

SENSOR



INORMA	SUPPLY	CONNECTION	TYPE	CABLE LENGTH
NPC.GXF8AP	24VDC	M8	PNP	300
NPC.GXF8A	24VDC	M8	NPN	300
NPC.GXF8APL	24VDC	M8	PNP	2500
NPC.GXF8AL	24VDC	M8	NPN	2500

PNP STANDARD W - POSITIVE LOAD



INSERT PAD, VITON



C10.AGZ-VIT-4



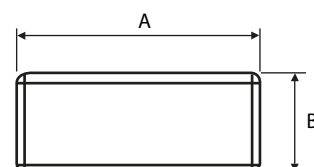
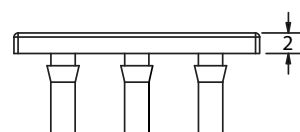
C10.AGZ-VIT-6



C10.AGZ-VIT-8

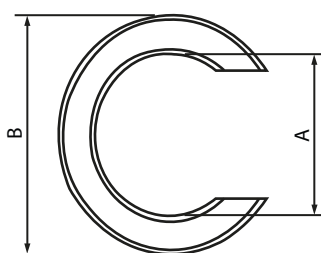


C10.AGZHNBR-8

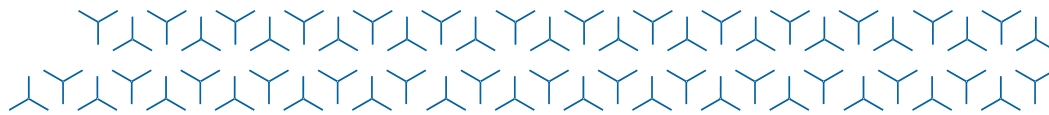


REFERENCE	A	B	MATERIAL	REF	WEIGHT (g)
C10.AGZ-VIT-4	16	5.9	FKM	GZ12-10-8-G	4
C10.AGZ-VIT-6	30	5.9	FKM	GZ.12-10-G	4
C10.AGZ-VIT-8	25	13	FKM	GZ.2016.V	4
C10.AGZHNBR-8	25	13	HNBR	GZ.2016.LV	4

STROKE REDUCER



REFERENCE	A	B	C	WEIGHT (g)
C10.ASRB.05.32	16	24	5	1
C10.ASRB.10.32	16	24	10	2
C10.ASRB.15.32	16	24	15	3



FINGER GRIPPERS
20°, 22°



I2

FINGER GRIPPERS
20°, 25°



I3

FINGER GRIPPERS
35°, 90°, 95°



I4

PNEUMATIC TILT UNITS



I6

FINGER GRIPPERS
WITH STOPS



I7

PERPENDICULAR
FINGER GRIPPERS



I8

STOPS, GUIDES & SPARES



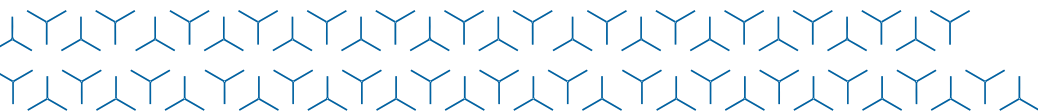
I9

SENSOR & SENSOR
MOUNTING BRACKETS



I12





FINGER GRIPPER 20-22° DIRECT MOUNTING



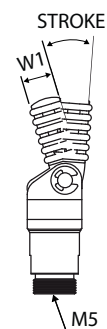
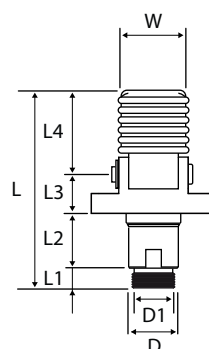
GFM.2020H



GOF_V



GOF_N



REFERENCE	INORMA	STYLE	D	D1	W	W1	L	L1	L2	L3	L4	STROKE	TEMP.MAX	WEIGHT(g)
C10.AGFM.2020.H	-	HNBR Pad	20	M17x1	26.8	13.8	79.6	8	22	15.8	31.9	16°+5°	150°C	39
C10.AGFM.2022.N	-	NBR Rings	20	M17x1	26.8	13.8	79.6	8	22	15.8	31.9	16°+5°	100°C	42
C10.AGFM.2022.S	-	Silicone Rings	20	M17x1	26.8	13.8	79.6	8	22	15.8	31.9	16°+5°	200°C	42
-	NPC.GOF2020N	NBR Rings	20	M17x1	28	13.8	79.4	10	20	22	27.4	17°+5°	80°C	57.4
-	NPC.GOF2020V	Silicone Rings	20	M17x1	28	13.8	79.4	10	20	22	27.4	17°+5°	160°C	57.4

REPLACEMENT PADS AND O-RINGS



C10.APAD.H.20152.5



C10.APAD.H.30223

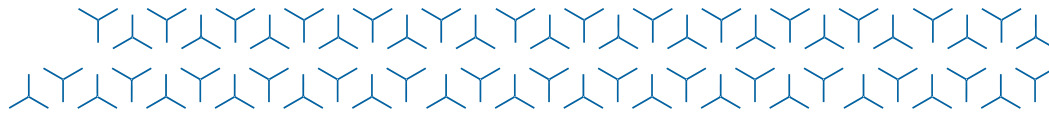


C10.AKIT-GF20N

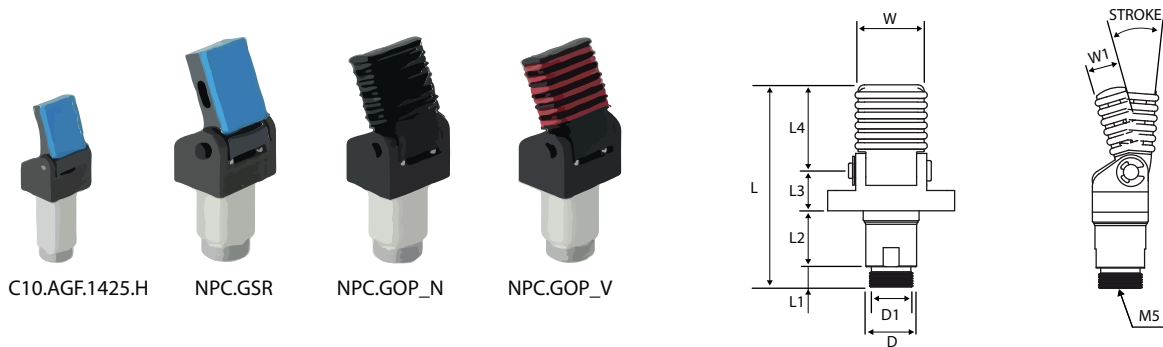


C10.AKIT-GF20S

REFERENCE	DIMENSION (mm)	MATERIAL	MAX. TEMP. °C
C10.APAD.H.20152.5	20 x 15 x 2.5	HNBR	150
C10.APAD.H.30223	30 x 22 x 3	HNBR	150
C10.AKIT-GF20N	-	Nitrile	100
C10.AKIT-GF20S	-	Silicon	200



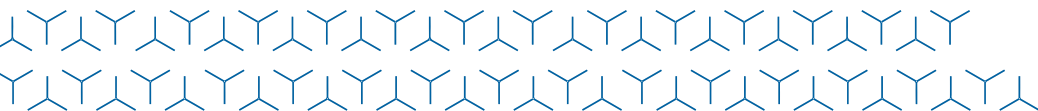
FINGER GRIPPERS 20-25°



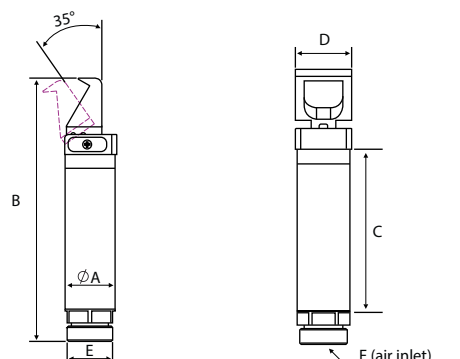
REFERENCE	INORMA	STYLE	D	D1	W	W1	L	L1	L2	L3	L4	STROKE	TEMP.MAX	WEIGHT(g)
C10.AGF.1425.H	-	HNBR Pad	14	M12x1	15	6.5	61	5.5	21	12.5	22	17°+8°	150°C	17
C10.AGF.2021.H	-	HNBR Pad	20	M17x1	20	11	73	5.5	21	12.5	34	17°+8°	150°C	41
C10.AGF.2021.N	-	Nitrile Rings	20	M17x1	26.8	13.8	79.6	8	21	26.8	23.8	16°+5°	100°C	45
C10.AGF.2021.S	-	Silicone Rings	20	M17x1	26.8	13.8	79.6	8	21	26.8	23.8	16°+5°	200°C	45
	NPC.GSR2021	Silicon Pad	20	M17x1	20	10	83	10	20	22	31	16°+5°	80°C	37
	NPC.GOP2020N	NBR Rings	20	M17x1	28	13.8	79.4	10	20	22	27.4	17°+5°	80°C	50
	NPC.GOP2020V	Silicone Rings	20	M17x1	28	13.8	79.4	10	20	22	27.4	17°+5°	160°C	50

Single Action (NO)





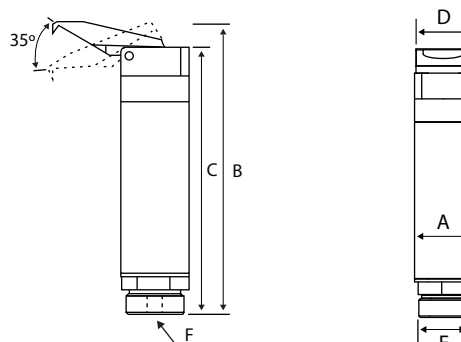
35° FINGER GRIPPER



REFERENCE	INORMA	A	B	C	D	E	F	FORCE (N/cm)	STROKE	WEIGHT (g)
C10.AGF14-35	-	14	77	43.5	14	M12x1	M5	26	35°	25
-	NPC.GSR1435	14	74	41	14	M12x1	M5	26	35°	25
C10.AGF20-35	-	20	107	60	20	M17x1	G 1/8	100	35°	65
-	NPC.GSR2035	20	106	68.5	20	M17x1	M5	100	35°	65
C10.AGF30-35	-	30	156	92	30	M27x1	G 1/8	430	35°	206
-	NPC.GSR3035	30	153	100	30	M27x1	G 1/8	430	35°	206

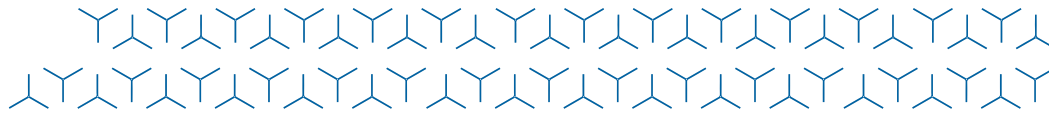
Single Action (NO)
6bar - dry air.

35° FINGER GRIPPER

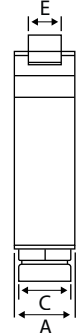
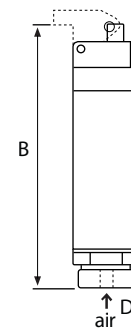
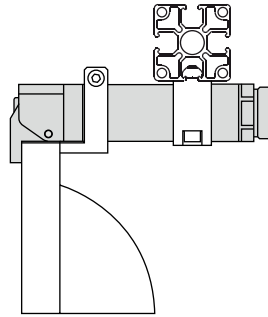


INORMA	A	B	C	D	E	F	FORCE (N/cm)	STROKE	WEIGHT (g)
NPC.GSR2035W	20	86.5	78.5	20	M17x1	M5	100	35°	60

Single Action (NO)
6Bar - dry air

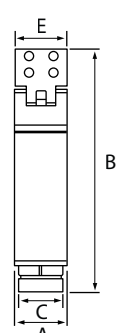
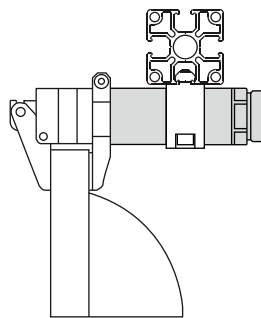


90° FINGER GRIPPER

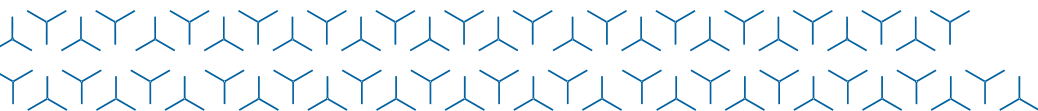


REFERENCE	INORMA	A	B	C	D	E	STROKE	FORCE (N)	WEIGHT (g)
C10.AGF14-90	-	14	67	M12x1	M5	10	90°	19	23
-	NPC.GSR1490	14	63	M12x1	M5	8	90°	19	23
C10.AGF20-90	-	20	90	M17x1	G 1/8	14	90°	70	60
-	NPC.GSR2090	20	91	M17x1	M5	11	90°	70	60
C10.AGF30-90	-	30	133	M27x1	G 1/8	22	90°	300	185
-	NPC.GSR3090	30	134	M27x1	G 1/8	11	90°	300	185

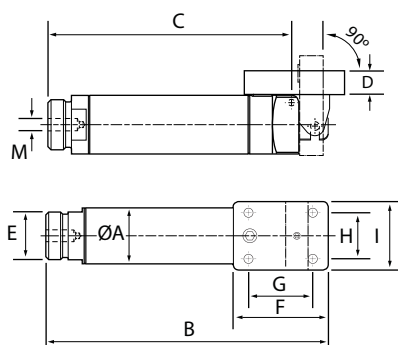
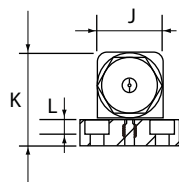
95° FINGER GRIPPER



REFERENCE	INORMA	A	B	C	D	E	STROKE	FORCE(N)	WEIGHT(g)
C10.AGF14-95	NPC.GSR1495	14	74	M12x1	M5	14	95°	19	25
-	NPC.GSR1495L	14	74	M12x1	M5	14	95°	19	28
C10.AGF14-95V	-	14	75.5	M12x1	M5	14	95°	19	25
C10.AGF20-95	-	20	103	M17x1	G 1/8	20	95°	70	60
-	NPC.GSR2095	20	103	M17x1	M5	20	95°	70	60
C10.AGF20-95V	-	20	103.5	M17x1	G 1/8	20	95°	70	60
-	NPC.GSR2095L	20	125.5	M17x1	M5	20	95°	70	65
-	NPC.GSR2095S	20	138	M17x1	M5	20	95°	70	92
C10.AGF30-95	-	30	148	M20x1	G 1/8	30	95°	300	185
-	NPC.GSR3095	30	148	M20x1	M5	30	95°	300	185
C10.AGF30-95V	-	30	148	M20x1	G 1/8	30	95°	300	185

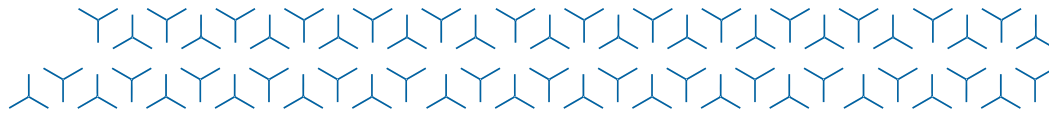


MINI POSTURE GRIPPER

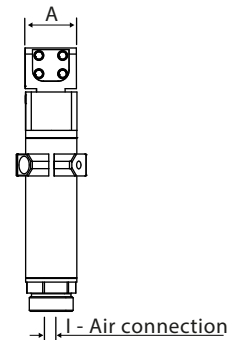
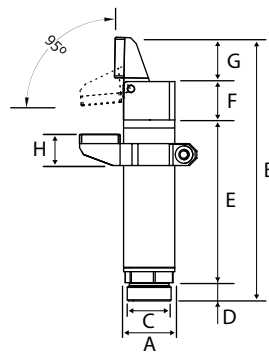


REFERENCE	INORMA	A	B	C	D	E	F	G	H	I	J	K	L	M	Lift Torque (N/cm)	WEIGHT (g)
C10.AGFT.2090	NPC.GFN2090	20	101	83	8	M17x1	34	23	16.5	24.5	20	28.3	3.3	M5	120	65
C10.AGFT.3090	NPC.GFN3090	30	146.5	119	10	M27x1	49	25	25	37	30	40.3	5.3	G1/8	300	270

Single Action. 2,5 - 8bar
Temperature -10 -70°C



95° FINGER GRIPPERS WITH STOP

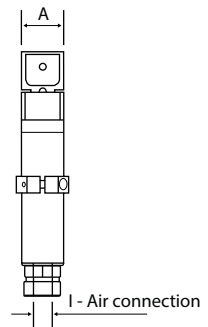
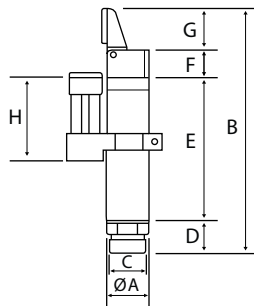
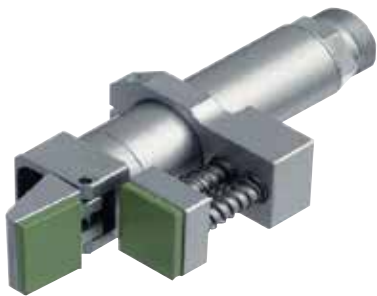


REFERENCE	INORMA	GRIP FORCE (N)	A	B	C	D	E	F	G	H	I	WEIGHT(g)
C10.AGFR1495	-	19	14	75.5	M12x1	5.5	41	10.5	12	8.5	M5	32
-	NPC.GSR1495G	19	14	72	M12x1	5.5	41	10.5	12	8.5	M5	32
-	NPC.GSF1495LG	19	14	87	M12x1	5.5	41	10.5	27	8.5	M5	37
C10.AGFR2095	-	70	20	103.5	M17x1	8	68.5	9	17.5	11	G 1/8	86
-	NPC.GSF2095G	70	20	103	M17x1	8	68.5	9	17.5	11	M5	70
-	NPC.GSF2095LG	70	20	125.5	M17x1	8	68.5	9	40	11	M5	75
-	NPC.GSF2095SG	70	20	138	M17x1	8	109.5	9	17.5	11	M5	100
C10.AGFR3095	-	300	30	148	M27x1	11	100	12	25	13.5	G 1/8	273
-	NPC.GSF3095G	300	30	148	M27x1	11	100	12	25	13.5	G 1/8	200

6bar.

Single Action (NO).

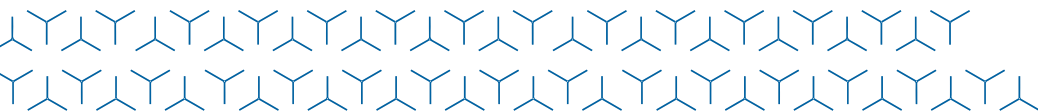
95° FINGER GRIPPERS WITH ADJUST



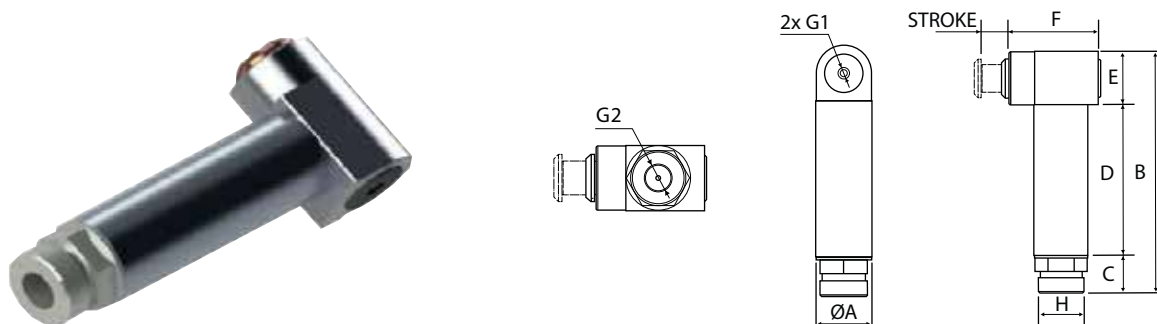
REFERENCE	A	B	C	D	E	F	G	H	I	FORCE (N)	WEIGHT(g)
C10.AGFRX14-95V	14	75.5	M12X1	9.5	43.5	10.5	12	29.5	M5	19	45
C10.AGFRX20-95V	20	104.5	M17X1	14	61	12	17.5	36	G 1/8	70	100
C10.AGFRX30-95V	30	148	M27X1	20	90	15	25	35	G 1/8	300	360

6bar.

Single Action (NO).



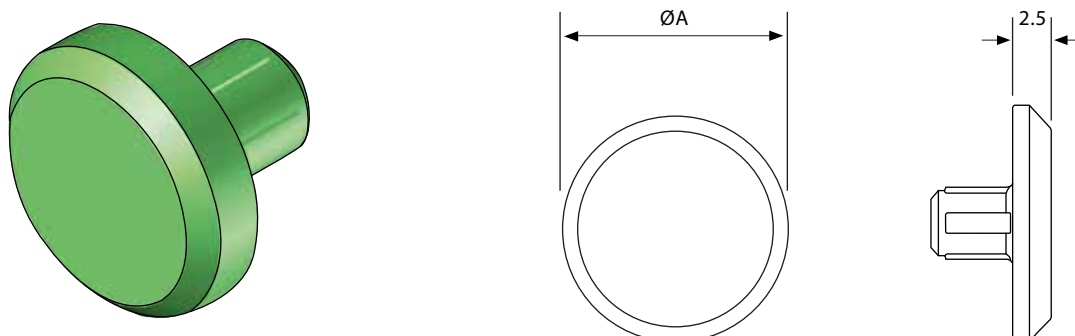
PERPENDICULAR FINGER GRIPPER



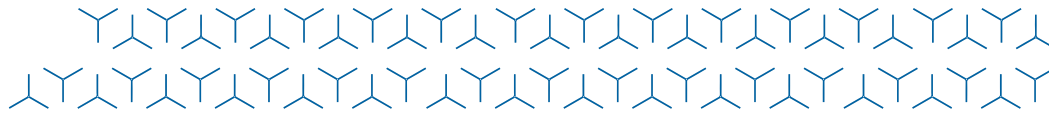
REFERENCE	A	B	C	D	E	F	G1	G2	H	STROKE	GRIP FORCE	WEIGHT (g)
C10.AGFP.1406	14	65	9.5	41.5	14	31.5	M5	M5	M12X1	6mm	63N	47
C10.AGFP.2010	20	89.5	14	56	20	34	M5	G 1/8	M17X1	10mm	115N	115
C10.AGFP.3015	30	131	19	82	30	49	G 1/8	G 1/8	M27X1	15mm	230N	380

Single action, 6bar

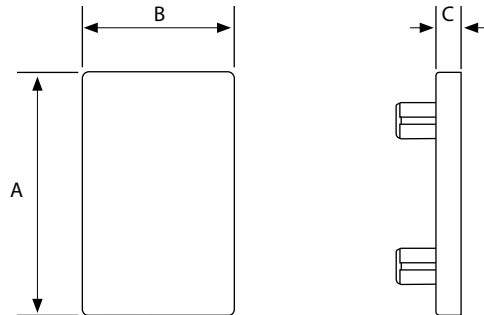
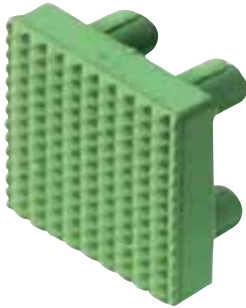
VITON PAD FOR PERPENDICULAR GRIPPER



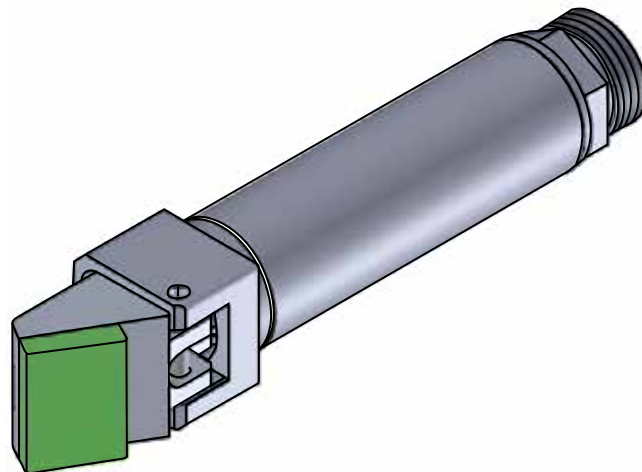
REFERENCE	A	WEIGHT (g)
C10.APAD.V.D9.5X2.5	10	3
C10.APAD.V.D14.5X2.5	14.5	4
C10.APAD.V.D19.5X3.0	20	5

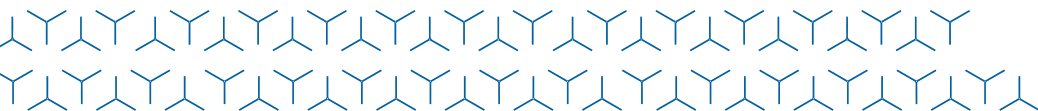


INSER PAD VITON

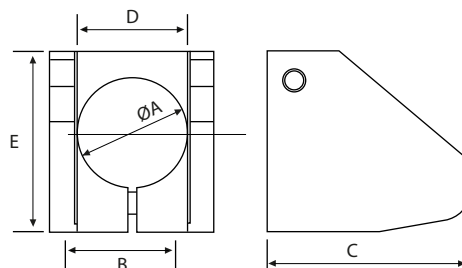
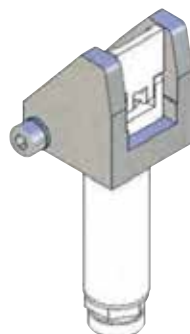


REFERENCE	REF	A	B	C	WEIGHT (g)
C10.AGFR149508V	GF14	14	10	2.5	1
C10.AGFR209508V	GF20	20	15	2.5	2
C10.AGFR309508V	GF30	30	20	3	3



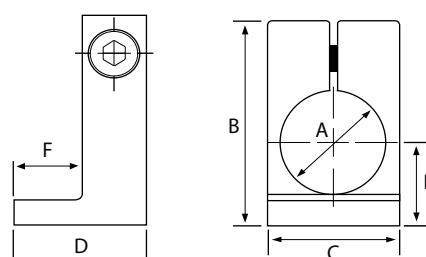
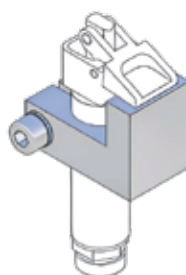


STOPPERS FOR FINGER GRIPPERS WITH SOFT PAD



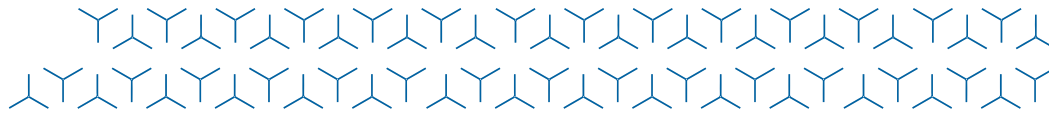
REFERENCE	INORMA	A	B	C	D	E	F	WEIGHT (g)
C10.AMP.ZTS.14	-	14	20	30	15	26	15.5	15
C10.AMP.ZTS.20	NPC.GS120	20	30	37	21	33	15	20
C10.AMP.ZTS.30	NPC.GS130	30	45	65	32	44	20	60

STOPPERS FOR FINGER GRIPPERS WITH SOFT PAD

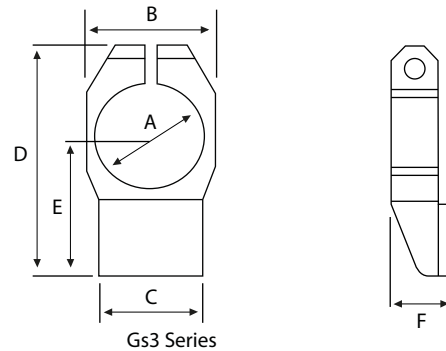


Gs2 Series

REFERENCE	INORMA	A	B	C	D	E	F	WEIGHT (g)
C10.AMP.ANS.14	NPC.GS214	14	24	19	12	11	6	10
C10.AMP.ANS.20	NPC.GS220	20	35	25	25	16	13	25
C10.AMP.ANS.30	NPC.GS230	30	45	35	25	21	13	35

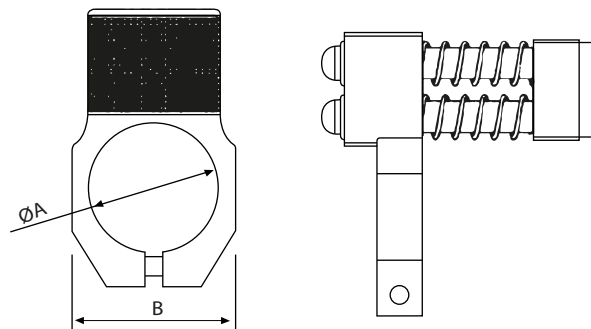


STOPPERS FOR FINGER GRIPPERS WITH SOFT PAD

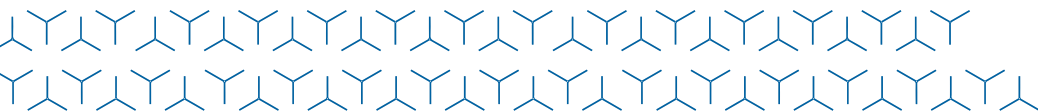


REFERENCE	INORMA	A	B	C	D	E	F	WEIGHT (g)
C10.AMP.ANF.14V	NPC.GS314	14	19	14	32	19	10	10
-	NPC.GS314L	14	19	14	47	35	8.5	15
C10.AMP.ANF.20V	NPC.GS320	20	25	20	43.5	27.5	9.5	16
-	NPC.GS320L	20	25	20	68.5	50	9.5	25
C10.AMP.ANF.30V	NPC.GS330	30	37	30	63	40	12	30

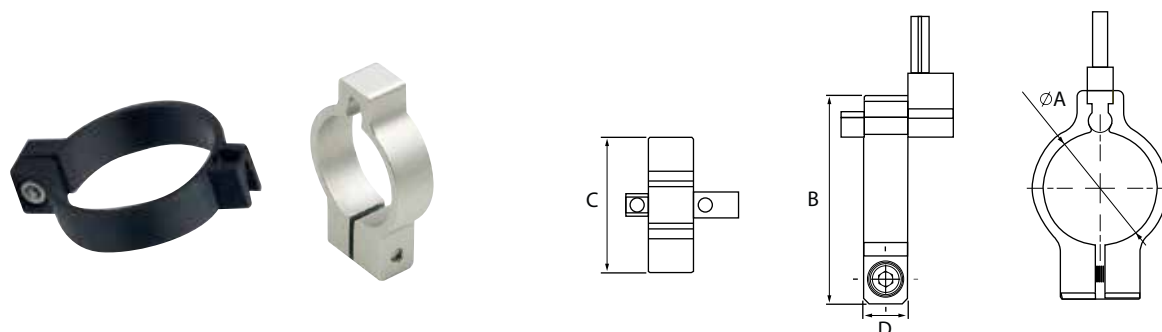
STOPPERS FOR FINGER GRIPPERS



REFERENCE	A	B	WEIGHT (g)
C10.AMP.ANF.14.VSX	14	20	15
C10.AMP.ANF.20.VSX	20	25	20
C10.AMP.ANF.30.VSX	30	37	50

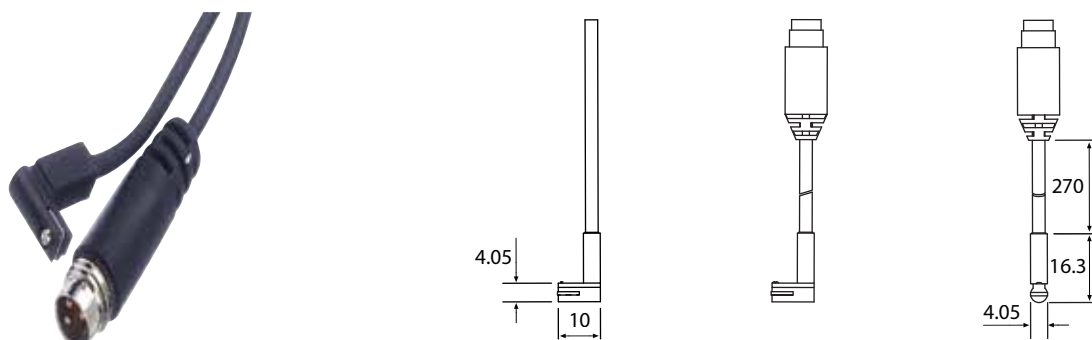


SENSOR MOUNTING BRACKET



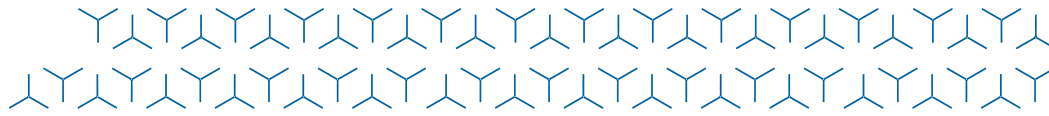
REFERENCE	INORMA	A	B	C	WEIGHT (g)
C10.ASMB14L	-	14	27.3	16.8	2
-	NPC.GS14	14	30	18	14
C10.ASMB20L	-	20	33.8	23	2.5
-	NPC.GS20	20	37	24	17
C10.ASMB30L	-	30	44.8	33.2	3
-	NPC.GS30	30	47	34	25

C-SLOT SENSOR



REFERENCE	OUTPUT	SENSOR TYPE	CONNECTOR	LEAD	WEIGHT (g)
C10.ASN.K3P.M8	PNP	Electronic	M8 3pin	0.3 m	4
C10.ASN.K3N.M8	NPN	Electronic	M8 3pin	0.3 m	4
C10.ASN.K3P.3MW	PNP	Electronic	-	3 m	4
C10.ASN.K3N.3MW	NPN	Electronic	-	3 m	4

PNP - STANDARD W - POSITIVE LOAD



**COMPACT
PARALLEL GRIPPERS**



J2

THREE JAWS GRIPPER



J4

ANGULAR GRIPPERS



J5

**JAWS FOR
PARALLEL GRIPPERS**



J6

**MOUNTING BRACKET
FOR GRIPPERS**



J8

EXPANSION GRIPPERS



J9

DOCK & LOCK GRIPPERS



J10

NEEDLE GRIPPER



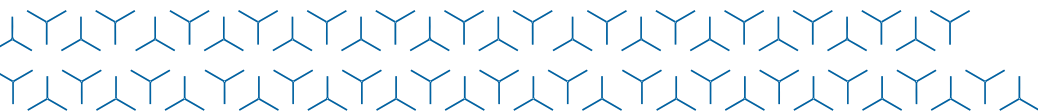
J15

**NEEDLE GRIPPER
FOR TEXTILE**

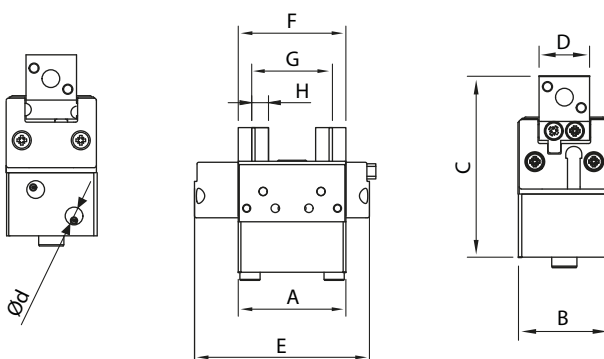


J16



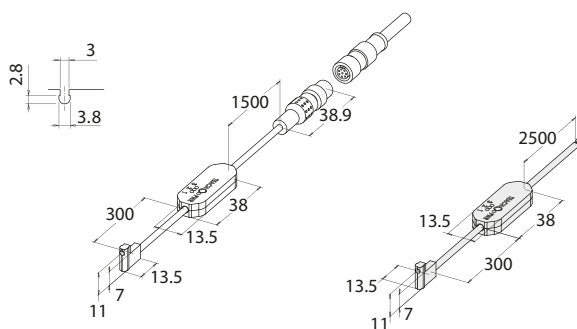


COMPACT PARALLEL GRIPPER



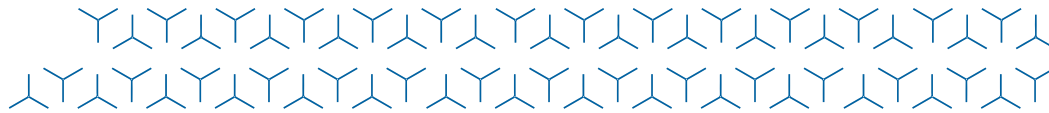
REFERENCE	A	B	C	D	Ød	E	F	G	H	STROKE	WEIGHT (g)
C10.AMP.SGP-20S	20	15,8	32	9	M3	36,5	20	16	3,5	4mm	33
C10.AMP.SGP-25S	26	17,8	34	10	M3	42,5	25	19	4	6mm	43
C10.AMP.SGP-32S	32	21,8	43	12	M3	52	32	24	5	8mm	86
C10.AMP.SGP-40S	40	25,8	51	16	M3	62	40	28	6	12mm	170

PROGRAMABLE MAGNETIC SENSOR FOR MP.SGP SERIES

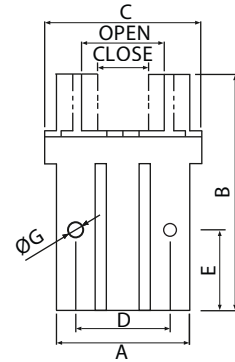
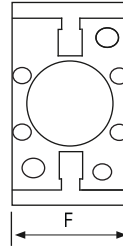


REFERENCE	OUTPUT	SENSOR TYPE	CONNECTOR LEAD	CABLE (A²)	WEIGHT (g)
C10.APRO.SN3N215HS-G	PNP	Magnetoresistive NO/NC	M8-3pin	0,3	70
C10.APRO.SN3M215HS-G	NPN	Magnetoresistive NO/NC	M8-3pin	0,3	70
C10.APRO.SN4N225HS-G	PNP	Magnetoresistive NO/NC	-	2,5	70
C10.APRO.SN4M225HS-G	NPN	Magnetoresistive NO/NC	-	2,5	70

Programable GMP magnetoresistive sensors
3 independent Digital Outputs



PARALLEL GRIPPER



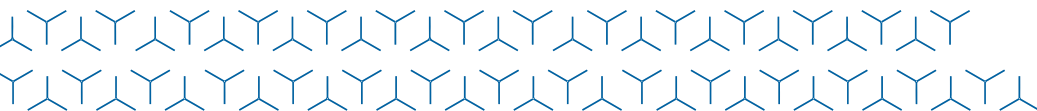
REFERENCE	A	B	C	D	E	F	OPEN	CLOSE	G	FORCE (N) OPEN/CLOSE	WEIGHT (g)
C10.APG-10	23	57	30	16	23	16.5	15.5	11.5	M3	22/34	56
C10.APG-10NO*	23	57	30	16	23	16.5	15.5	11.5	M3	-/14	57
C10.APG-10L	23	57	35	16	25	16.5	20.3	11	M3	22/34	64
C10.APG-16	30.5	67.3	39	24	24.5	23.5	21	15	M4	68/90	124
C10.APG-16NO*	30.5	67.3	39	24	24.5	23.5	21	15	M4	-/54	125
C10.APG-16L	30.5	70	47	24	31	23.5	28	14.7	M4	68/90	146
C10.APG-20	42	85	53	30	29	27.5	26.5	16.5	M5	90/132	236
C10.APG-20NO*	42	85	53	30	29	27.5	26.5	16.5	M5	-/70	238
C10.APG-20L	42	90	62	30	36	27.5	33.5	16.1	M5	84/132	273
C10.APG-25	52	103	71	36	30	33.5	33.5	19.5	M6	138/204	428
C10.APG-25NO*	52	103	71	36	30	33.5	33.5	19.5	M6	-/110	430
C10.APG-25L	52	106	75	36	40	33.5	42.6	19.3	M6	130/208	489
C10.APG-32	60	113	106	46	49	40	48	26	M6	320/390	729

Air 2-7 bar, temperature 5°C - 60°C. Repetibility +- 0,02mm.

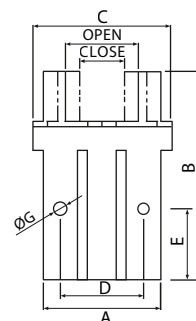
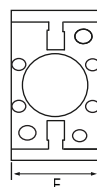
*NO - Normally open. All the others are double action.

Use sensor - SN.DMSG or SN.DMSH





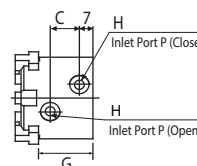
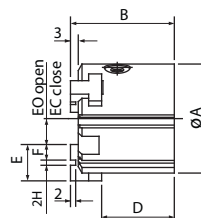
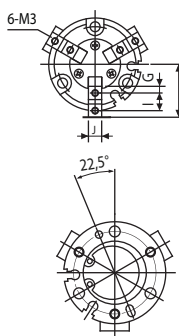
PARALLEL GRIPPER



INORMA	A	B	C	D	E	F	G	OPEN	CLOSE	FORCE(IN)OPEN/CLOSE	WEIGHT(g)
NPC.MHZ210S	23	57	29	16	23	16.4	M3	15.2	11.2	/14.2	55
NPC.MHZ210D	23	57	29	16	23	16.4	M3	15.2	11.2	22/34	55
NPC.MHZL210D	23	57	35	16	25	16.4	M3	19.2	11.2	22/34	59
NPC.MHZ216S	30.6	67.3	38	24	24.5	23.6	M5	20.9	14.9	/54	123
NPC.MHZ216D	30.6	67.3	38	24	24.5	23.6	M5	20.9	14.9	68/90	120
NPC.MHZL216D	30.6	70	47	24	31	23.6	M5	26.9	14.9	68/90	130
NPC.MHZ220S	42	84.8	50	30	29	27.6	M5	26.3	16.3	/66	227
NPC.MHZ220D	42	84.8	50	30	29	27.6	M5	26.3	16.3	84/132	225
NPC.MHZL220D	42	90	62	30	36	27.6	M5	34.3	16.3	84/132	211
NPC.MHZ225S	52	102.7	63	36	30	33.6	M5	33.3	19.3	/90	309
NPC.MHZ225D	52	102.7	63	36	30	33.6	M5	33.3	19.3	130/208	314
NPC.MHZL225D	52	106	75	36	40	33.6	M6	41.3	19.3	130/208	293
NPC.MHZ232S	60	122	97	46	49	40	M6	48	26	/260	415
NPC.MHZ232D	60	113	97	46	40	40	M6	48	26	316/386	410
NPC.MHZ240S	72	152	119	56	62	48	M8	60	30	/434	543
NPC.MHZ240D	72	139	119	56	49	48	M8	60	30	508/636	537

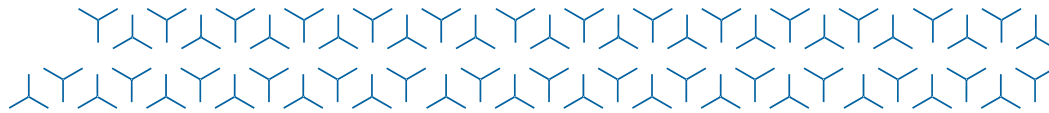
Air 2-7 bar, temperature 5°C - 60°. Repetibility +- 0,02mm.

THREE JAWS GRIPPER

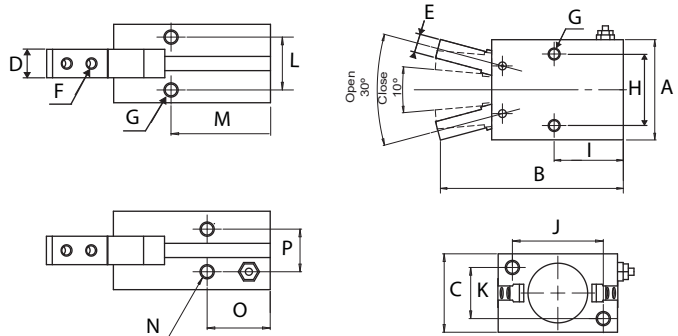


INORMA	A	B	C	D	E	EC/EO	F	G	H	I	J	CLAMPING	STROKE	WEIGHT(g)
NPC.GMHS316D	30	35	11	25	10	5/7	4	2	M3	6	5	14/16	4	59
NPC.GMHS320D	36	38	13	27	12	6/8	5	2.5	M5	7	6	25/28	4	96.7
NPC.GMHS325D	42	40	15	28	14	7/10	6	3	M5	8	6	42/47	6	138

Temperature -10°C - 60°C - Repeatability ± 0.01
Double Action with C groove for sensor



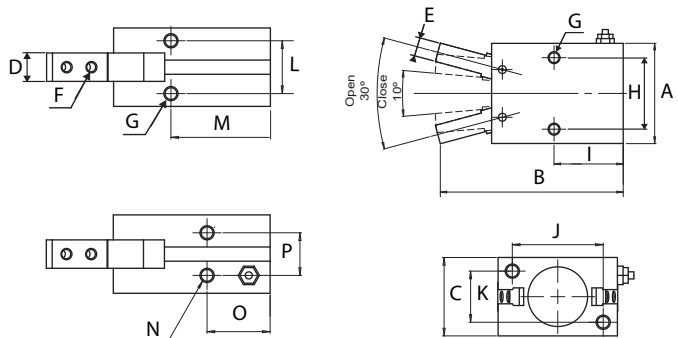
ANGULAR GRIPPER



REFERENCE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	WEIGHT(g)
C10.AAG-10-D	23	52.5	16.5	6.4	4	M2.5	M3	16	23	18	12	11.5	27	M3	19	10	36
C10.AAG-16-D	30.5	62.5	23.5	8	7	M3	M4	24	24.5	22	15	16	30	M5	10.5	13	59
C10.AAG-20-D	42	78	27.5	10	8	M4	M5	30	29	32	18	18.5	35	M5	22	15	64
C10.AAG-25-D	52	92	33.5	12	10	M5	M6	36	30	40	22	22	36.5	M5	23.5	20	155
C10.AAG-32-D	60	96.5	44	18	10	M6	M6	44	37.5	46	26	26	30	M5	31	24	161

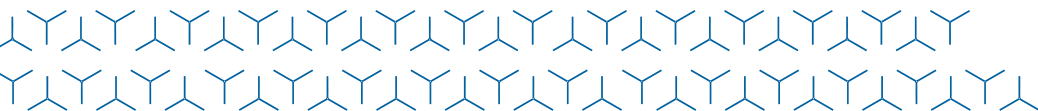
Double effect opening
Use sensor slot T

Y TYPE GRIPPER

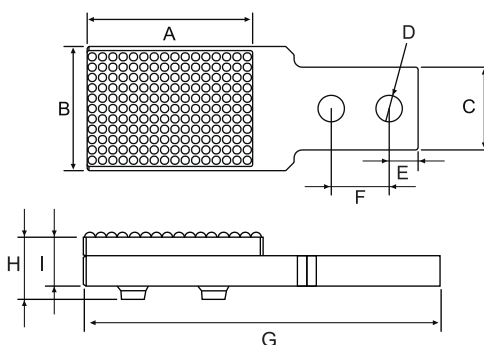


INORMA	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	WEIGHT(g)
NPC.GMHC216S	30.6	62.5	23.6	8	7	M3	M4	24	24.5	22	15	16	33.9	M5	18.3	13	99
NPC.GMHC216D	30.6	62.5	23.6	8	7	M3	M4	24	24.5	22	15	16	33.9	M5	18.3	13	108
NPC.GMHC220S	42	78.7	27.6	10	8	M4	M5	30	29	32	18	8.6	39.5	M5	22.2	15	167
NPC.GMHC220D	42	78.7	27.6	10	8	M4	M5	30	29	32	18	8.6	39.5	M5	22.2	15	177

Double effect opening
Use sensor slot T



JAWS FOR PARALLEL GRIPPERS - FKM

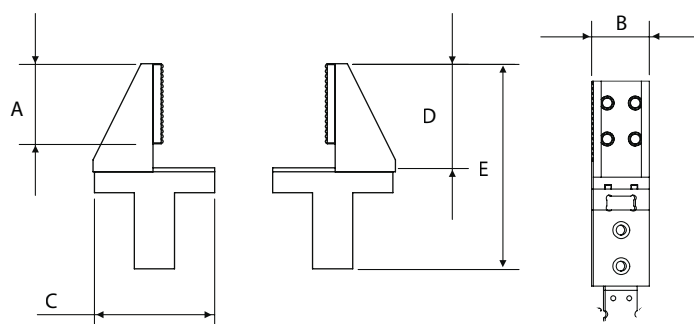


INOROMA	A	B	C	ØD	E	F	G	H	I	WEIGHT(g)
NPC.DLMHZ10P	14	10	7	2	2.5	5	26	6	4	2
NPC.DLMHZ16P	20	14	10	3	4	7	40	8	6	6
NPC.DLMHZ20P	30	20	12	4	6	9	55	12	8.5	15
NPC.DLMHZ25P	30	20	15	6	7	12	65	12	8.5	17
NPC.DLMHZ32P	30	20	15	6	8	14	69	12	8.5	18

Aluminium - include FKM Pad

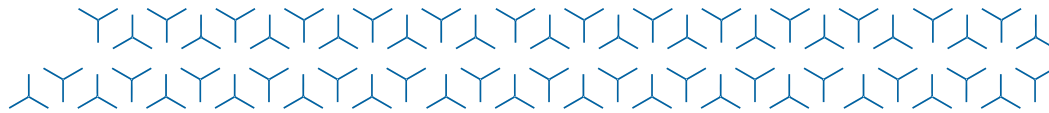
The clamp mouth has anti-skid and wear-resistant shading to protect the clamped articles

JAWS FOR PARALLEL GRIPPERS

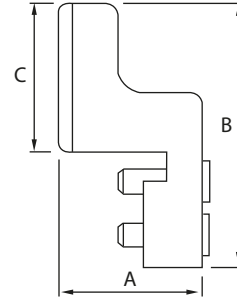
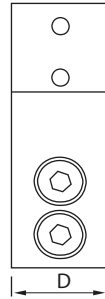


REFERENCE	A	B	C	D	E	WEIGHT(g)
NPC.MHZ216D	20	14	25	26	46.2	36
NPC.MHZ220D	20	14.4	30	26	51.2	45

Aluminium - includes FKM Pad



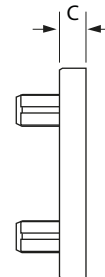
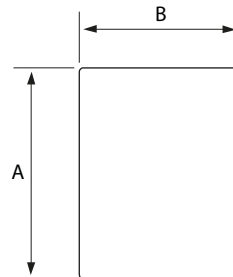
JAWS FOR PARALLEL GRIPPERS - FKM



REFERENCE	INSERT VITON	A	B	C	D	WEIGHT (g)
C10.AMA.KB.10	C10.AFKM-10	15.5	27	14	10	14
C10.AMA.KB.16	C10.AFKM-16	18.5	35	20	15	28
C10.AMA.KB.20	C10.AFKM-20	22	44.5	25	15	41
C10.AMA.KB.25	C10.AFKM-25	29	55	25	20	73
C10.AMA.KB.32	C10.AFKM-32	36	65.5	36.5	25	166

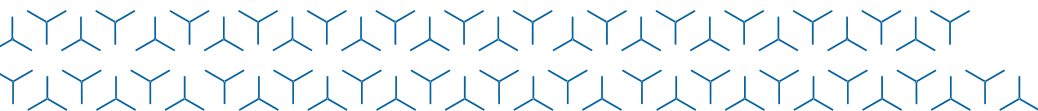
Aluminium - includes FKM Pad

INSERT PAD VITON

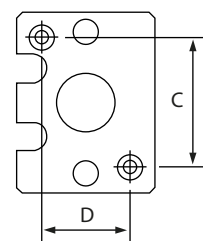
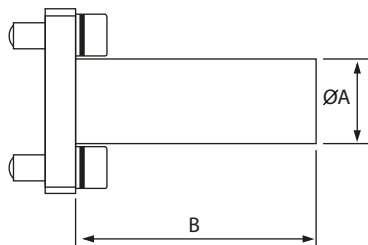


REFERENCE	A	B	C	WEIGHT (g)
C10.AFKM-10	14	10	2.5	1
C10.AFKM-16	20	15	2.5	2
C10.AFKM-20	25	13	2	2
C10.AFKM-25	25	13	2	2
C10.AFKM-32	30	20	3	3

Green color - FKM (Viton)

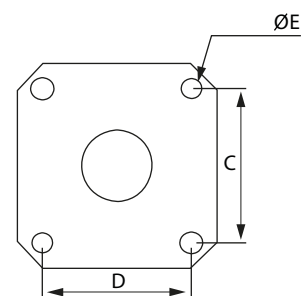
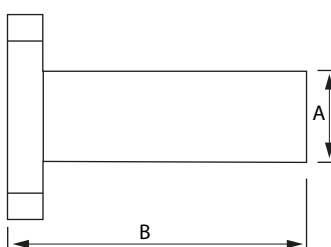


MOUNTING BRACKET FOR GRIPPERS

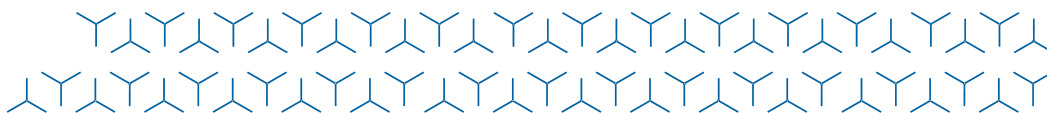


REFERENCE	A	B	C	D	WEIGHT (g)
C10.AGA-10	10	30	18	12	11
C10.AGA-16	14	40	22	15	21
C10.AGA-20	20	50	32	18	38
C10.AGA-25	20	50	40	22	55
C10.AGA-32	20	50	46	26	102

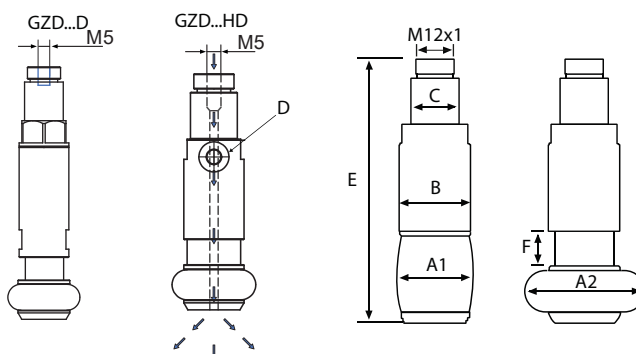
MOUNTING BRACKET FOR GRIPPERS



REFERENCE	INORMA	A	B	C	D	E	WEIGHT (g)
-	NPC.GSCE205	12	22	15	25	4.2	17
-	NPC.GSCE21015	12	22	15	25	4.2	17
C10.MB.CC12.1430	-	14	30	15.5	15.5	3.4	19
C10.MB.CC20.1430	-	14	40	25.5	15.5	5.2	32
-	NPC.GSCE225	20	28	30	40	5.2	61
C10.MB.CC32.2060	-	20	60	34	34	5.2	55
C10.MB.CC32.2090	-	20	90	34	34	5.2	74



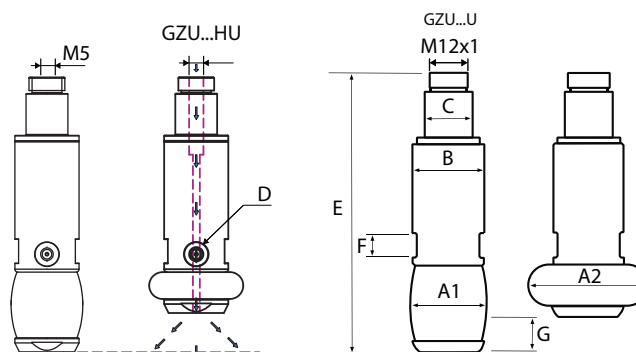
EXPANSION GRIPPER - DOWNWARDS



REFERENCE	MODEL	A1	A2	B	C	D	E	F	WEIGHT (g)
NPC.GZD14D	14	15	19.5	14	14	-	62.3	7	17
NPC.GZD14HD	14	15	19.5	14	14	M3	62.3	7	17
NPC.GZD16D	16	18	21.5	14	14	-	62.3	7	17
NPC.GZD16HD	16	18	21.5	14	14	M3	62.3	7	17
NPC.GZD18D	18	19.5	24.5	18	14	-	70.5	7.5	28
NPC.GZD18HD	18	19.5	24.5	18	14	M5	70.5	7.5	28
NPC.GZD20D	20	22.5	26.5	18	14	-	70.5	7.5	28
NPC.GZD20HD	20	22.5	26.5	18	14	M5	70.5	7.5	28
NPC.GZD22D	22	24	31.5	21.5	14	-	80	12	43
NPC.GZD22HD	22	24	31.5	21.5	14	M5	80	12	43

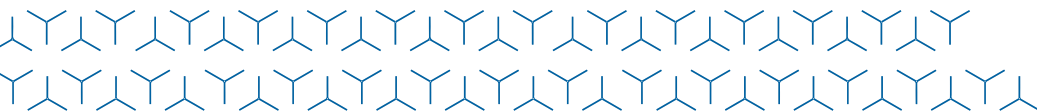
HD with through hole to blow compressed air or vacuum to check for leakage.
Air must be filtered. Air 4-8 bar.

EXPANSION GRIPPER - UPWARDS

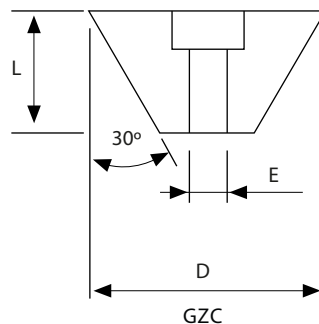


INORMA	MODEL	A1	A2	B	C	D	E	F	G	WEIGHT(g)
NPC.GZU14U	14	15	19.5	14	14	-	68.5	6	7	20
NPC.GZU14HU	14	15	19.5	14	14	M3	68.5	6	7	20
NPC.GZU16U	16	18	21.5	14	14	-	68.5	6	7	20
NPC.GZU16HU	16	18	21.5	14	14	M3	68.5	6	7	20
NPC.GZU18U	18	19.5	24.5	18	14	-	78	7	7.5	35
NPC.GZU18HU	18	19.5	24.5	18	14	M5	78	7	7.5	35
NPC.GZU20U	20	22.5	26.5	18	14	-	78	7	7.5	35
NPC.GZU20HU	20	22.5	26.5	18	14	M5	78	7	7.5	35
NPC.GZU22U	22	24	31.5	21.5	14	-	86.5	8	10	50
NPC.GZU22HU	22	24	31.5	21.5	14	M5	86.5	8	10	50

HD with through hole to blow compressed air or vacuum to check for leakage.
Air must be filtered. Air 4-8 bar.



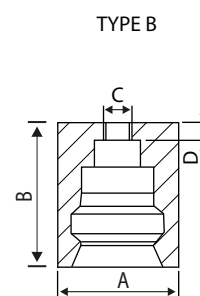
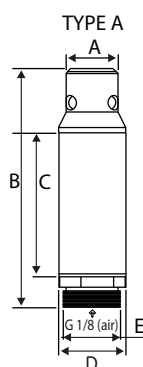
BUFFER BRACKET



INORMA	MODEL	D	L	E	WEIGHT (g)
NPC.GZP14S	14	14	13	-	3
NPC.GZP16S	16	16	13	-	3
NPC.GZP18S	18	18	16.5	-	4
NPC.GZP20S	20	20	16.5	-	4
NPC.GZP22S	22	22	21	-	5
NPC.GZC14	14-16	11.8	4.5	3.2	1
NPC.GZC18	18-20	15.5	6.5	3.2	1.5
NPC.GZC22	22	18.8	8	3.2	2

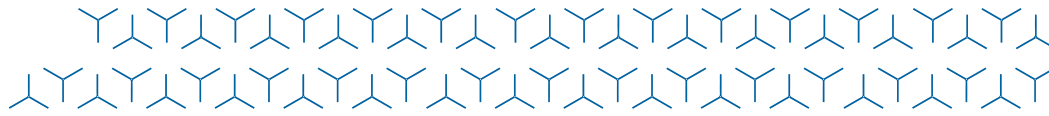
Not usefull for HD and HU models.

CENTERING LOCKING UNIT

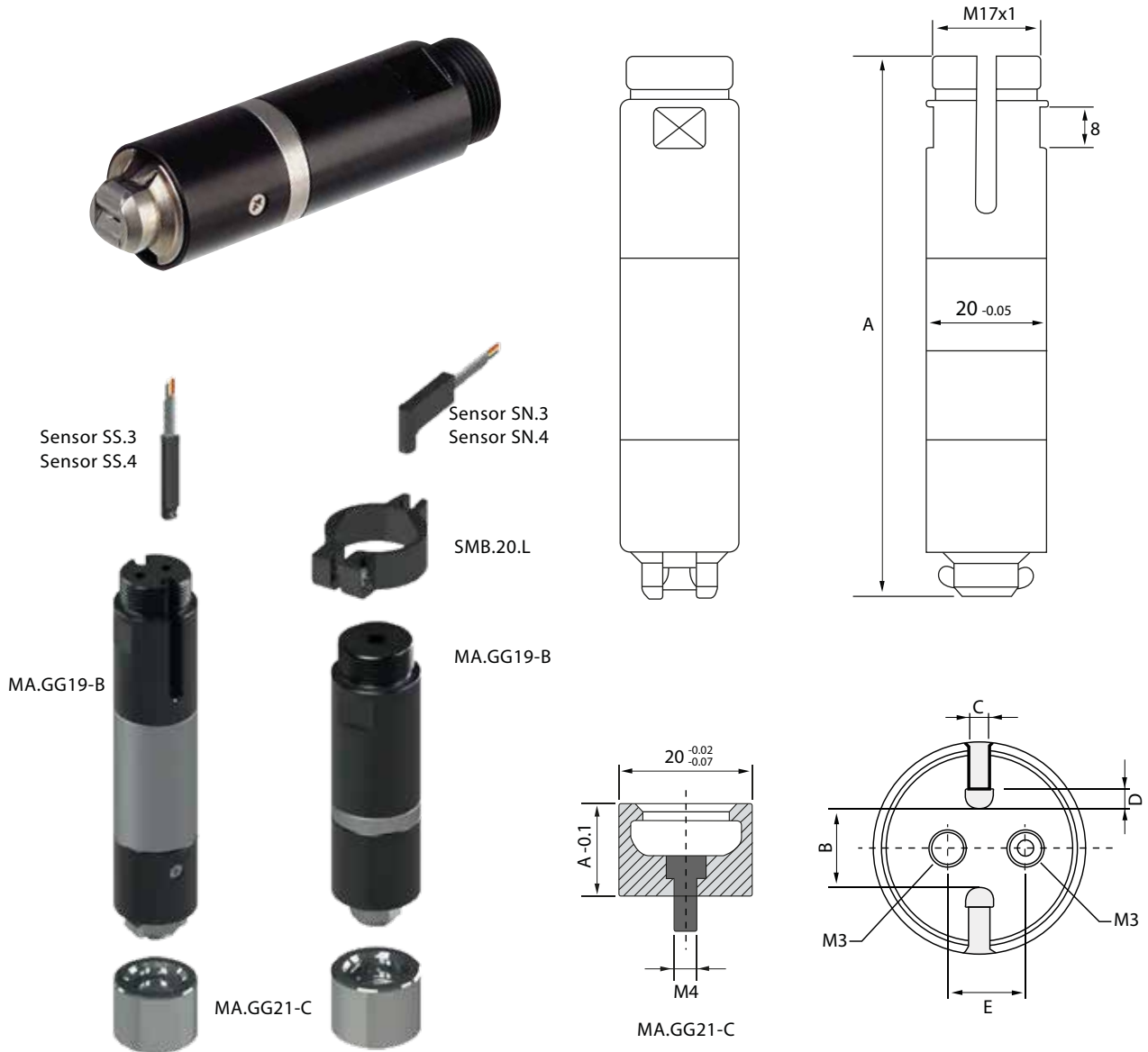


REFERENCE	INORMA	A	B	C	D	E	TYPE	WEIGHT (g)
C10.AGCLU.20.G	-	16.5	89.5	56	Ø20	M17x1	A	93
C10.AGCLU.20.M	-	20	15	M5	3	-	B	60
-	NPC.GSMP20A	15.5	93.4	56	Ø20	M17x1	A	75
-	NPC.GSMP20B	26h7	33	M6	4	-	B	87
-	NPC.GSMP30A	25.5	141	86	Ø30	M27x1	A	300
-	NPC.GSMP30B	40h7	43.5	M8	5.2	-	B	264

Type A (Gripper side) / Type B (Mould Side)

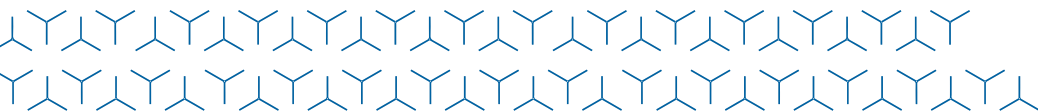


MOULD LOCK UNIT

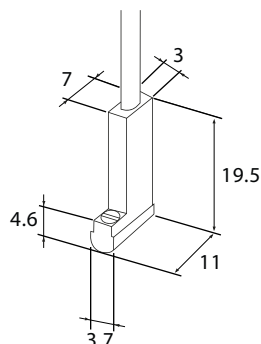


REFERENCE	A	B	C	D	E	REMARKS	WEIGHT (g)
C10.AMA.GG19-B	70.5	-	-	-	-	Robot Side. Single Action (NO)	85
C10.AMA.GG21-B	96.5	6	3	2.8	7.4	Robot Side. Double Action (NC)	115
C10.AMA.GG21-C	15.3	-	-	-	-	Mould Side	25

Ideal for insert loading. Max. 8 bar, 5°C - 60°C

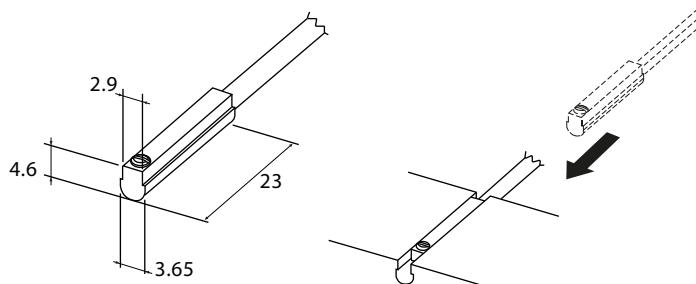


SENSOR GRIPPER MA.GG19-B

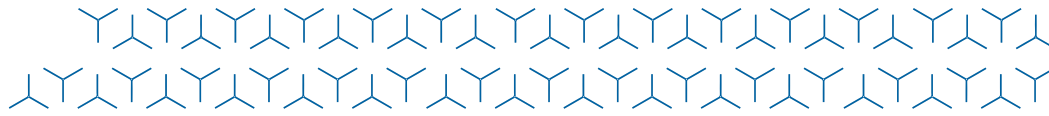


REFERENCE	OUTPUT	SENSOR TYPE	CONNECTOR LEAD - M	LEADS	REF.	WEIGHT (g)
C10.ASN.3M203-G	NPN	Magnetoresistive NO	M8 -3 pin	0.3	C10.AMA.GG19-B	4
C10.ASN.3N203-G	PNP	Magnetoresistive NO	M8 -3 pin	0.3	C10.AMA.GG19-B	4
C10.ASN.4M225-G	NPN	Magnetoresistive NO	-	2.5	C10.AMA.GG19-B	4
C10.ASN.4N225-G	PNP	Magnetoresistive NO	-	2.5	C10.AMA.GG19-B	4

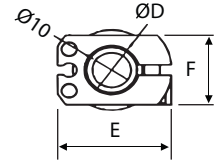
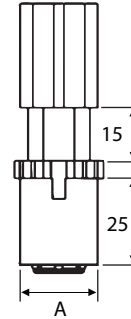
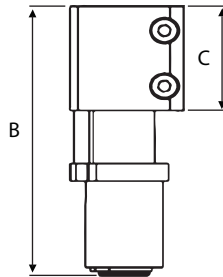
SENSOR GRIPPER MA.GG21-B



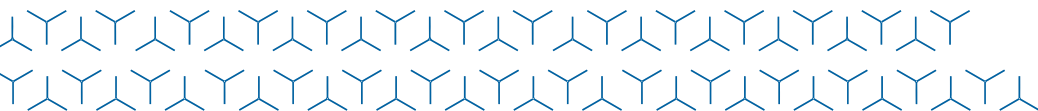
REFERENCE	OUTPUT	SENSOR TYPE	CONNECTOR LEAD - M	LEADS	WEIGHT (g)
C10.ASS.3M203-G	NPN	Magnetoresistive NO	M8 - 3 pin	0.3	4
C10.ASS.3N203-G	PNP	Magnetoresistive NO	M8 - 3 pin	0.3	4
C10.ASS.4M225-G	NPN	Magnetoresistive NO	-	2.5	4
C10.ASS.4N225-G	PNP	Magnetoresistive NO	-	2.5	4



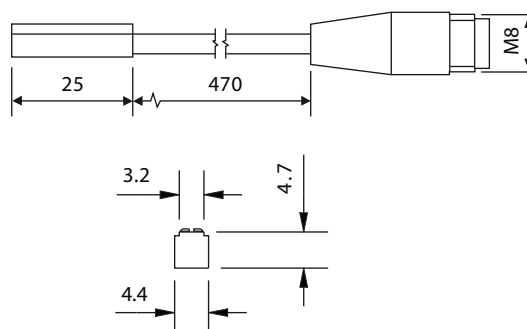
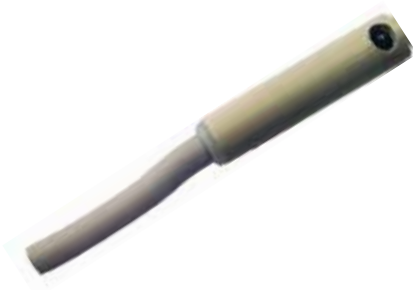
BUFFER BRACKET



INORMA	A	B	C	D	E	F	WEIGHT (g)
NPC.GSM14	20	77.5	30	14	29.5	20	57
NPC.GSM20	20	77.5	30	20	33	23	65

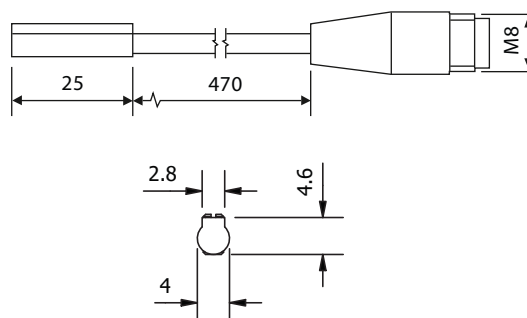
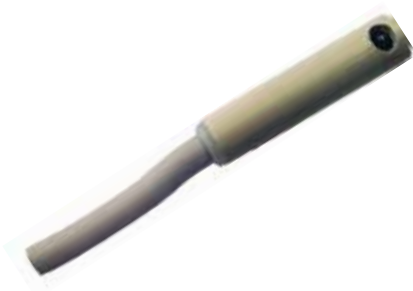


SENSOR

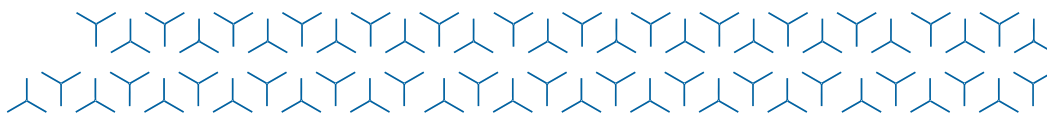


REFERENCE	OUTPUT	SENSOR TYPE	CONNECTOR	LEAD	WEIGHT (g)
C10.ASN.DMSGP.M8	PNP	Magnetic	M8 3pin	0.5m	4
C10.ASN.DMSGN.M8	NPN	Magnetic	M8 3pin	0.5m	4
C10.ASN.DMSGP.3M	PNP	Magnetic	-	3m	4
C10.ASN.DMSGN.3M	NPN	Magnetic	-	3m	4

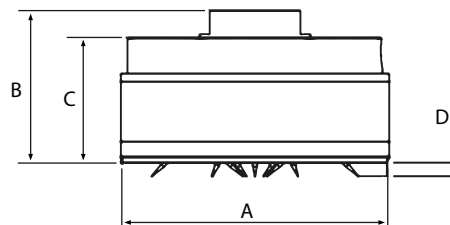
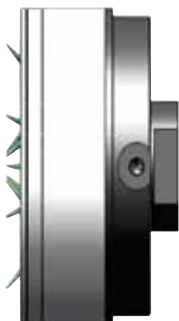
SENSOR



REFERENCE	OUTPUT	SENSOR TYPE	CONNECTOR	LEAD	WEIGHT (g)
C10.ASN.DMSHP.M8	PNP	Electronic	M8 3pin	0.5m	4
C10.ASN.DMSHN.M8	NPN	Electronic	M8 3pin	0.5m	4
C10.ASN.DMSHP.3M	PNP	Electronic	-	3m	4
C10.ASN.DMSHN.3M	NPN	Electronic	-	3m	4



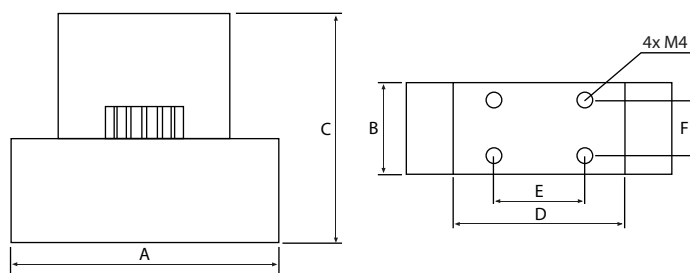
NEEDLE GRIPPER



INORMA	A	B	C	D	FORCE	WEIGHT (g)
NPC.GSN16R1.2V	80	50.5	41.5	MAX.4.5	110N	400

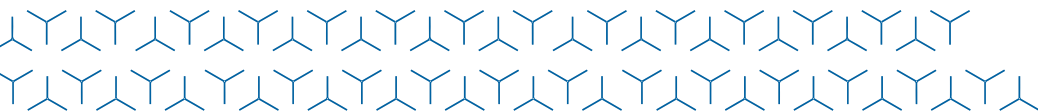
16 Needles Ø1.2mm
8bar; Temperature 5°C - 60° C
Stroke 0-4.5mm

NEEDLE GRIPPER FOR TEXTILE

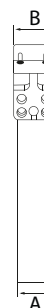
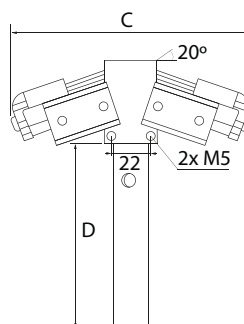


INORMA	A	B	C	D	E	F	Force N	Ø Needle	Nr Needle	WEIGHT (g)
NPC.GSN204524S08V	45	20	56	45	24	12	24	0.8	24	120
NPC.GSN304524S08V	45	30	58.5	45	25	20	26	0.8	24	160
NPC.GSN207036S08V	70	20	56	45	24	12	29	0.8	36	140
NPC.GSN307036S08V	70	30	59	45	25	20	38	0.8	36	212
NPC.GSN3012048S08V	120	30	59	45	25	20	45	0.8	48	248

Needle stroke / Movement 0-2,7mm / 0-4,8mm, 2,5 – 8 bar, air inlet M5.
Double action. Distance between needles 9.2mm.



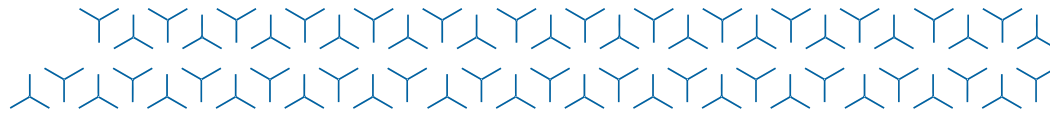
NEEDLE GRIPPER FOR TEXTILE



INORMA	A	B	C	D	Ø NEEDLE	NR NEEDLE	WEIGHT (g)
NPC.GSP20104	20	25	136	100	2	4	274
NPC.GSP20108	20	45	136	100	2	8	274

Needle stroke 0-5mm, 2,5 – 8 bar, air inlet M5.
Double action.





**NIPPER BODIES
-ROUND**



K2

**N. SERIES
NIPPER BLADES**



K3

BLADE HOLDER



K8

**NIPPER MOUNTING
BRACKETS**



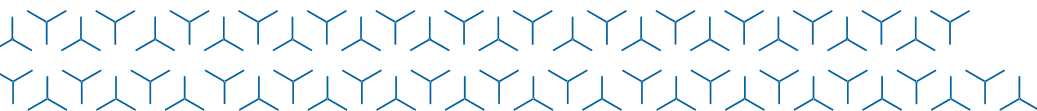
K9

**SWIVEL MOUNTING
BRACKET**

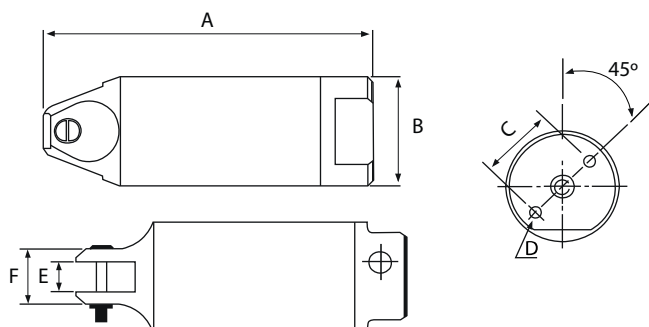


K10





AIR NIPPER BODIES NR - SERIES - ROUND



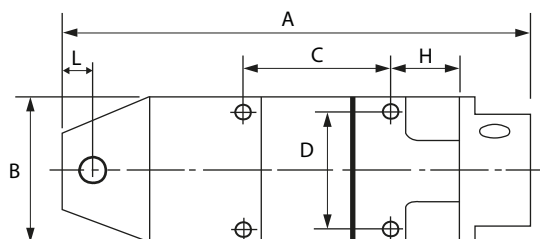
INORMA	VESSEL	A	B	C	D	E	F	SOFT SPRUE CUT	HARD PLASTIC	COOPER	STEEL	WEIGHT (g)
-	NPC.GTNR3	110	23	17	M3x8	7	14	2	40	1	0.5	70
-	NPC.GTNR5	94	30	20	M4x10	7	17	2	40	1	0.5	110
-	NPC.GTNR7	113	34	22	M4x10	9	17	3	60	1.6	1	150
-	NPC.GTNR10L	113	36	24	M4x10	12	20	4	60	1.8	1.2	215
C10.AGT-NR20P	NPC.GTNR20	129	45	30	M5x12	12	23	7	140	2.6	2	280
C10.AGT-NR30P	NPC.GTNR30	165	56	40	M6x12	17	30	10	280	3.3	2.8	505
-	NPC.GTNR50	222	75	50	M8x12	25.2	43	12	480	5.5	4.5	1190

Air pressure 5-6 bar.

Accessories not included.

Air intake axial and radial.

SQUARE AIR NIPPERS

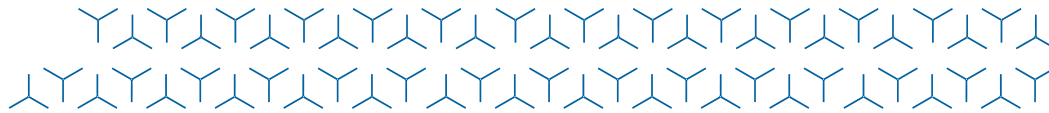


INORMA	VESSEL	A	B	C	D	H	L	SIZE	ØSP	ØHP	ØCOPPER	ØSTEEL	WEIGHT (g)
-	NPC.GTNS3	110	23	40	19	19	7	3	2	-	1	0.5	95
-	NPC.GTNS5	94	30	30	24	14	7	5	2	-	1	0.5	135
-	NPC.GTNS7	113	36	30	28	18	7	7	3	2	1.6	1	215
-	NPC.GTNS10L	113	36	30	28	18	7	10	4	2.6	1.8	1.2	215
NPC.NS20P	NPC.GTNS20	129	45	40	36	19	9	20	7	5	2.6	2	370
NPC.NS30P	NPC.GTNS30	170	56	60	46	20	15	30	10	6.5	3.3	2.8	685
-	NPC.GTNS20H1	129	45	40	36	19	9	20	7	5	2.6	2	455

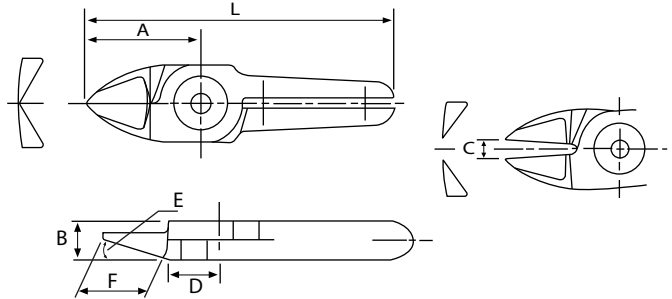
SP (Soft Plastic) / HP (Hard Plastic).

Accessories not included.

Air pressure 5 - 6 bar.



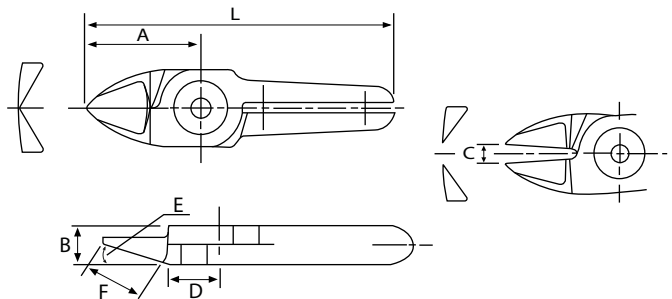
AIR NIPPER STANDARD BLADE FOR PLASTIC 15° - 30°



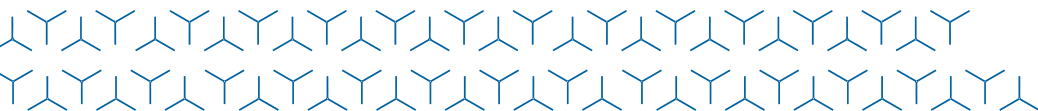
VESSEL	SIZE	A	B	C	D	E	F	L	PLASTIC CUT DIAMETER (mm)	WEIGHT (g)
NPC.N3AP	3	24	7	4	10.5	15°	11.5	64	0 - 2	35
NPC.N5AP	5	24	7	4	10.5	15°	11.5	64	0 - 2	40
NPC.N7AP	7	27	9	4	14.5	30°	11.5	81	2 - 3	80
NPC.N10AP	10	27	9	5	14.5	30°	11.5	91	2.6 - 4	85
NPC.N10LAP	10	35	12	5	15	15°	16	89	2.6 - 4	120
NPC.N12AP	12	35	12	5	15	15°	16	105	4 - 4.5	135
NPC.N20AP	20	35	12	11	15	15°	16	95	5 - 7	125
NPC.N30AP	30	66	17	16	24	15°	38	150	6.5 - 10	380

Cutting edge curved.

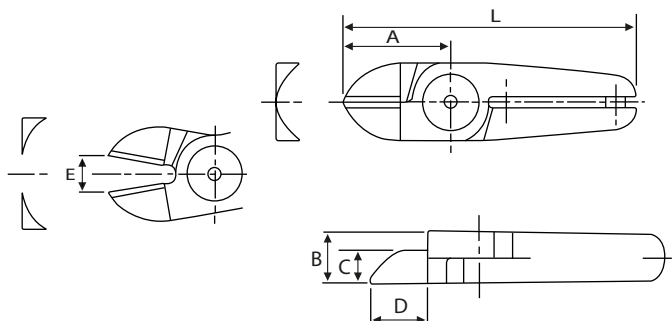
FLAT BLADES FOR PLASTIC 30° - 40°



VESSEL	SIZE	A	B	C	D	E	F	L	PLASTIC CUT DIAMETER	WEIGHT (g)
NPC.N7PF	7	27	9	4	17	40°	10.5	81	2 - 3	80
NPC.N10LPF	10	35	12	5	21	40°	13.5	89	2.6 - 4	120
NPC.N20PF	20	35	12	11	21	40°	13.5	95	5 - 7	130
NPC.N30PF	30	58	17	15	33	30°	25	142	6.5 - 10	390

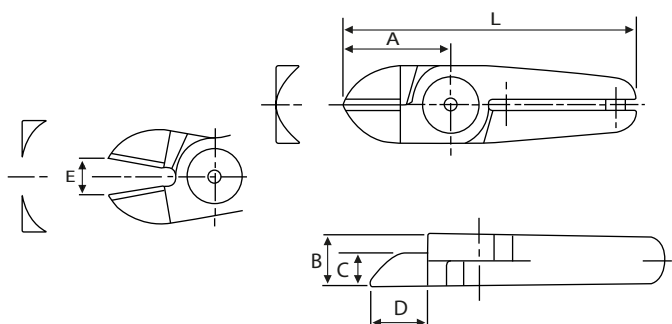


THIN, STRAIGHT BLADES FOR PLASTIC

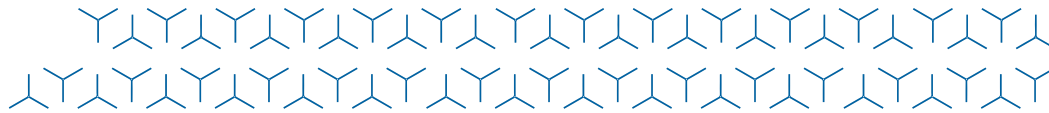


VESSEL	SIZE	A	B	C	D	E	L	PLASTIC/MM	WEIGHT (g)
NPC.NW10AJ	10	30	9	6	14	5	85	2.6-4	76
NPC.N20AJ	20	35	12	8	18	11	95	5-7	125
NPC.N20AJB	20	35	12	8	18	11	95	5-7	125
NPC.NW20AJ	20	40	12	6	21.5	8	100	5-7	142
NPC.N30AJ	30	52	17	8	28	11	136	6.5-10	370
NPC.NW30AJ	30	55	17	8	29.5	11	140	6.5-10	368

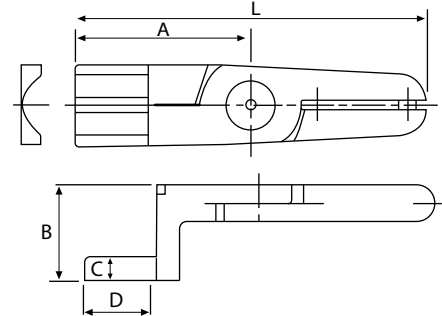
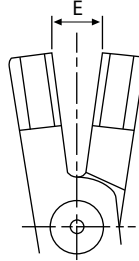
STRAIGHT LONG BLADES FOR PLASTIC



VESSEL	SIZE	A	B	C	D	E	L	PLASTIC-MM	WEIGHT (g)
NPC.N10LAJ141	10	61	12	7	34	10	115	2.6-4	165
NPC.N20AJL	20	65	12	7	20	16	125	5-7	230
NPC.N20AB39	20	61	12	7	36	14	121	5-7	185
NPC.N30AJ163	30	65	17	7	41	17.5	149	6.5-10	355
NPC.N30AJL	30	75	17	8	25	19	159	6.5-10	470

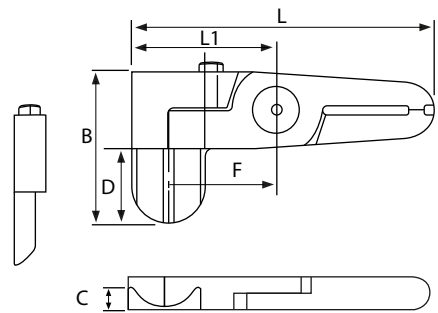
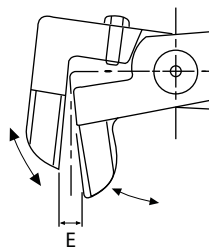


CRANK BLADES FOR PLASTIC

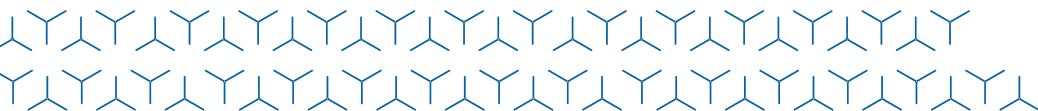


INORMA	SIZE	A	B	C	D	E	L	PLASTIC - MM	WEIGHT (g)
NPC.N20AH	20	60	31	7	23	16	120	5-7	240

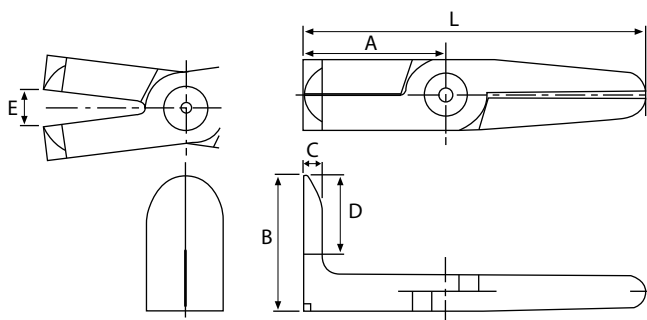
LATERALLY FACING BLADES FOR PLASTIC



INORMA	SIZE	B	C	D	E	F	L	L1	CUT	WEIGHT (g)
NPC.N20AML1498	20	55	8	26	9.5	41	115	55	5-7	270
NPC.N20AMR1499	20	55	8	26	9.5	41	115	55	5-7	270
NPC.N30AML1435	30	68	10	35	13	39	139	55	6.5-10	520
NPC.N30AMR1395	30	68	10	35	13	39	139	55	6.5-10	520

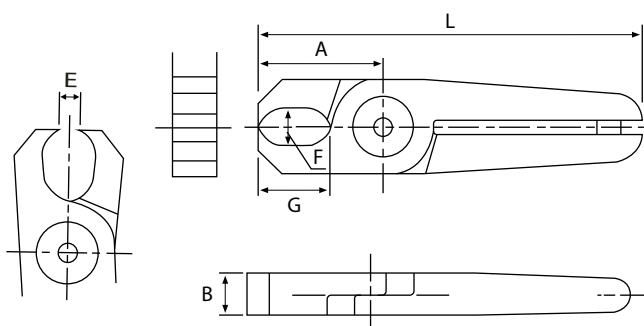


PLASTIC PERPENDICULAR END CUT BLADES

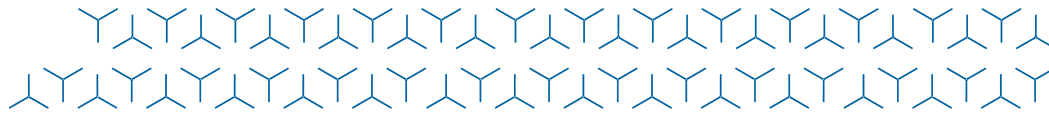


VESSEL	SIZE	A	B	C	D	E	L	PLASTIC-MM	WEIGHT (g)
NPC.N30AL525	30	60	62	8	36	16	144	6.5-10	520

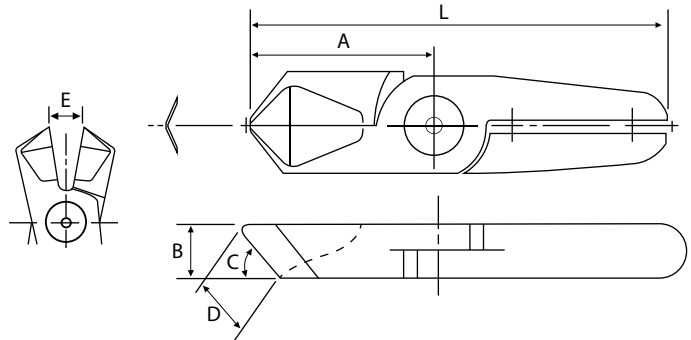
NIPPING BLADES FOR PLASTIC



INORMA	SIZE	A	B	E	L	FXG	PLASTIC-MM	WEIGHT (g)
NPC.N3AE	3	20	7	3.5	60	6x11	0-2	35
NPC.N5AE	5	20	7	3.5	60	6x6.6	0-2	40
NPC.N7AE	7	26	9	4	80	8x14.8	2-3	85
NPC.N20AE	20	28	12	8	88	10x15.5	5-7	135
NPC.N30AE	30	45	17	12	129	13x28	6.5-10	395

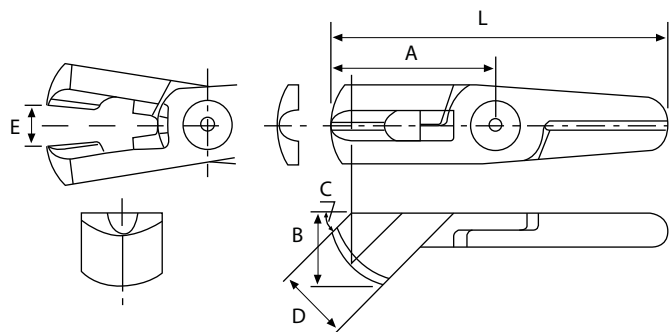


ANGLED NIPPING BLADES FOR PLASTIC

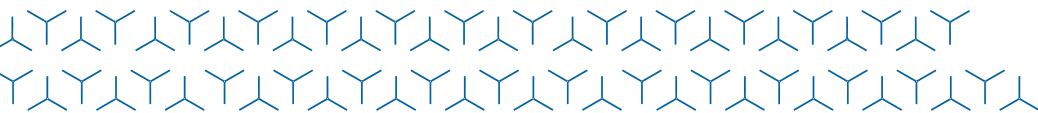


INORMA	SIZE	A	B	C	D	E	L	CUT	WEIGHT (g)
NPC.N20AE19	20	50	12	45	13	13	110	5-7	200
NPC.N30AE53	30	65	17	65	18.5	16	149	6.5-10	440

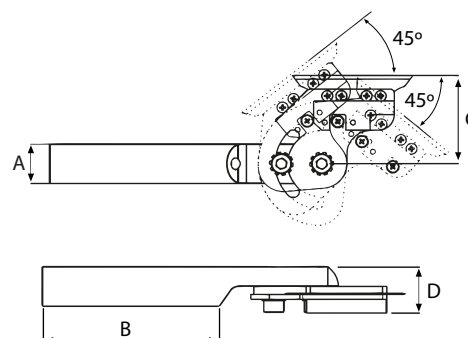
NIPPING BLADES FOR PLASTIC SPRUE CUT



INORMA	SIZE	A	B	C	D	E	L	CUT	WEIGHT (g)
NPC.N20AK249	20	57	25	45	25	14	117	5-7	240



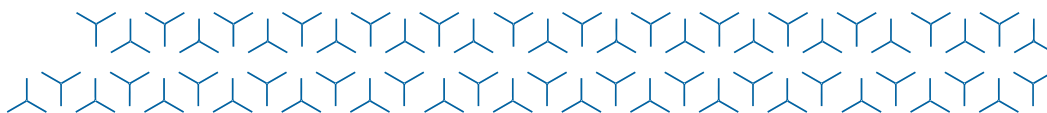
BLADE HOLDER



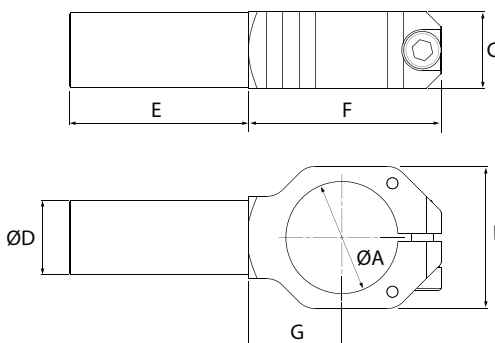
INORMA	A	B	C	D	WEIGHT (g)
NPC.BH2060	20	100	45	24	175

Suitable for trimming, degating and deburring.
Manually adjustable -45° to $+45^{\circ}$.



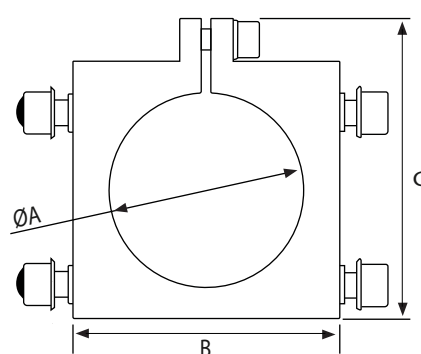
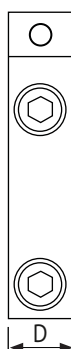


MOUNTING BRACKETS FOR AIR NIPPERS



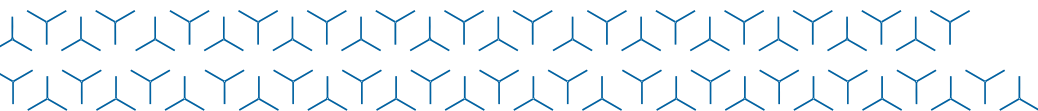
REFERENCE	INORMA	A	B	C	D	E	F	G	WEIGHT(g)
C10.ASCH-05	-	30	38	20	20	48	54	25	91
C10.ASCH-10	-	36	43	20	20	48	60	28	95
C10.ASCH-20	-	45	52	20	20	48	68	33	102
-	NPC.GSCENR20	45	53	20	20	35	59.5	28	65
C10.ASCH-30	-	56	54	20	20	48	80	38	117
-	NPC.GSCENR30	56	65	25	20	40	71	33	110
C10.ASCH-50	-	75	83	30	30	50	96	47	275
-	NPC.GSCENR50	75	83	40	30	48	90	41	308

SWIVEL MOUNTING BRACKET FOR AIR NIPPERS



REFERENCE	INORMA	ØA	B	C	D	WEIGHT (g)
C10.ANSB.30A	-	30	45	55	15	87
C10.ANSB.36A	NPC.GSCE4NR10	36	50	62	15	97
C10.ANSB.45A	NPC.GSCE4NR20	45	60	70	15	115
C10.ANSB.56A	NPC.GSCE4NR30	56	70	85	15	136
C10.ANSB.75A	-	75	90	105	15	188

Material: Aluminum.



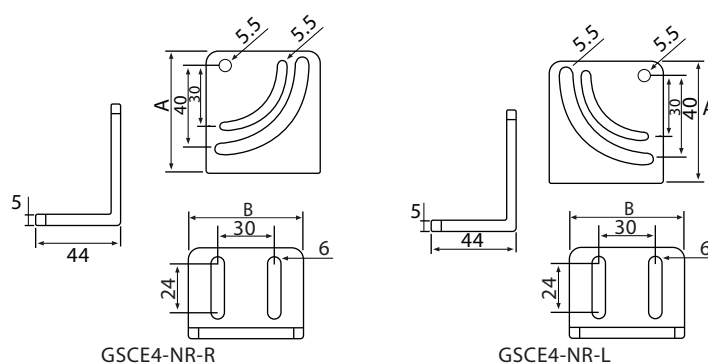
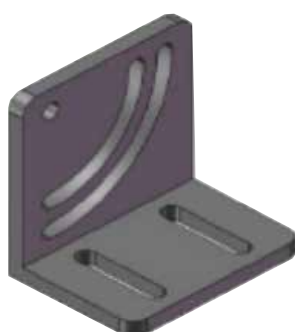
SWIVEL MOUNTING BRACKET FOR AIR NIPPERS



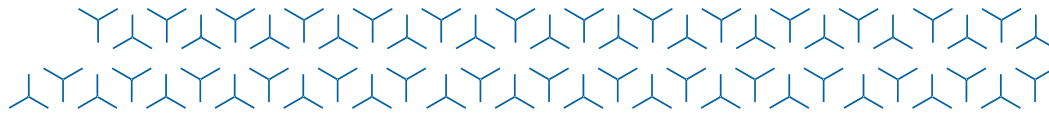
REFERENCE	A	B	C	WEIGHT (g)
C10.ANSB.30B	50	75	18	84
C10.ANSB.36B	55	80	18	100
C10.ANSB.45B	60	85	18	116
C10.ANSB.56B	65	90	18	134
C10.ANSB.75B	85	122	28	246

Zinc plated steel.

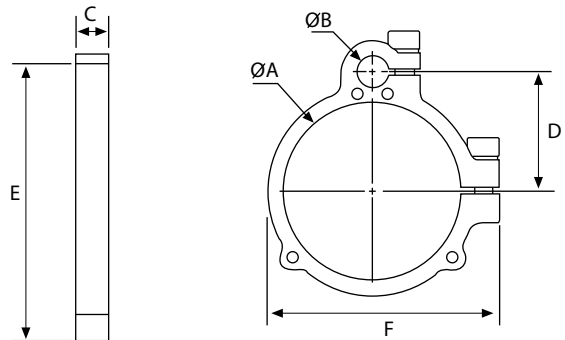
NIPPER MOUNTING BRACKET



INORMA	A	B	WEIGHT (g)
NPC.GSCE4NRR	60	60	65.5
NPC.GSCE4NRL	60	60	65.5



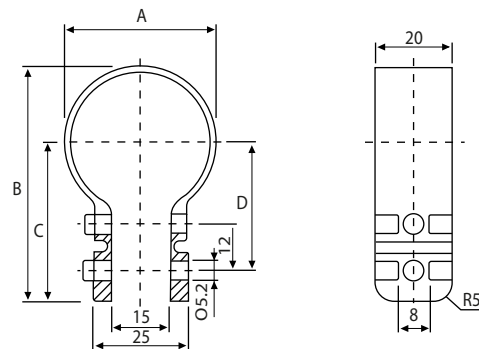
NIPPER / GRIPPER COMBINATION CLAMP



REFERENCE	A	B	C	D	E	F	WEIGHT (g)
C10.ANGC.1010	36	10	10	28	62.8	53	27
C10.ANGC.2010	45	10	10	32.5	70	62	30
C10.ANGC.3010	56	10	10	38	81	73	43
C10.ANGC.5010	75	10	10	47.5	100	92.5	43

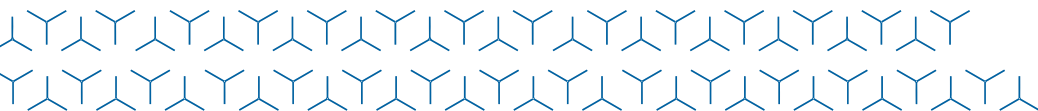
Material : Aluminum.

MOUNTING BRACKET STEEL FOR AIR NIPPERS

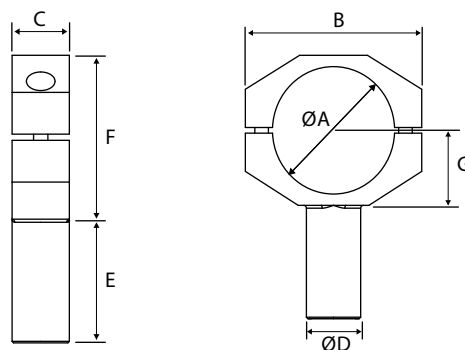
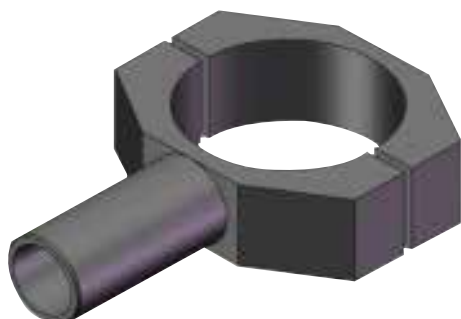


REFERENCE	A	B	C	D	WEIGHT (g)
C10.ANMBS.30	30	55	38.5	30.5	69
C10.ANMBS.36	36	60.5	41	33	75
C10.ANMBS.45	45	70	46	38	80
C10.ANMBS.56	56	83.5	53.5	45.5	102

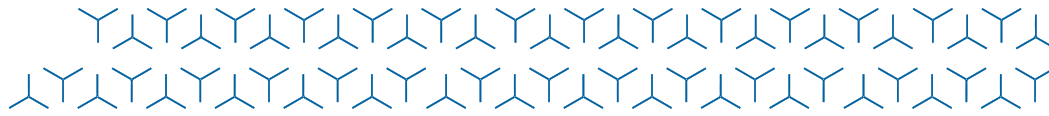
Zinc plated steel.



MOUNTING BRACKETS FOR AIR NIPPER



INORMA	A	B	C	D	E	F	G	WEIGHT (g)
NPC.GSCENS20	45	65	20	20	40	54	28	65
NPC.GSCENS30	56	76	20	20	40	66	33	110



MANIFOLDS



M2

FITTINGS

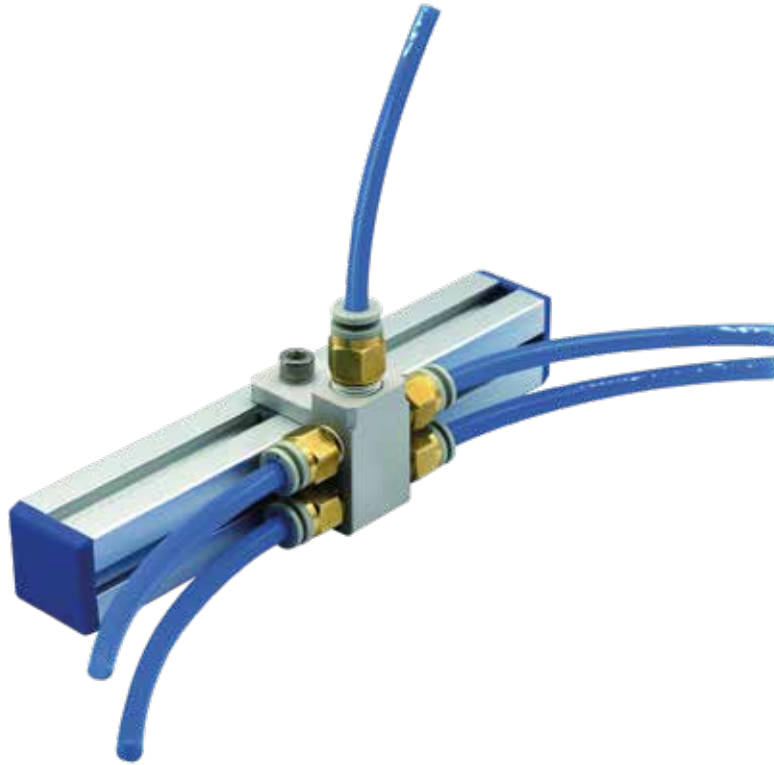


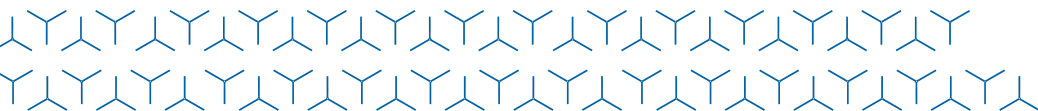
M5

TUBES

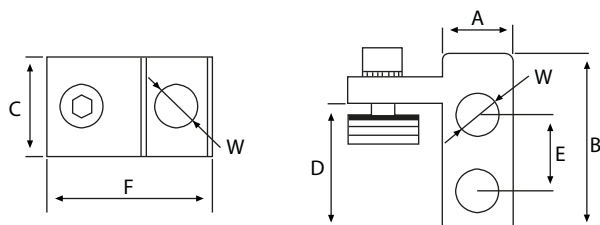


M10



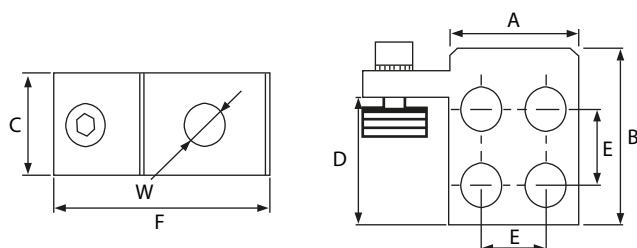


AIR / VACUUM MANIFOLD 1-4 PORTS

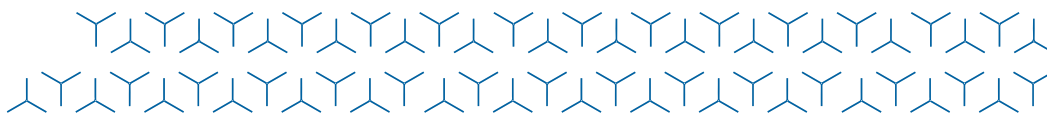


REFERENCE	INORMA	A	B	C	D	E	F	W	WEIGHT (g)
C10.AVMB.14.1818.X	NPC.BSMB5G18T	15	35	20	25	15	35	5xG1/8	30
C10.AVMB.14.1818.J	-	15	35	20	25	15	43	5xG1/8	37

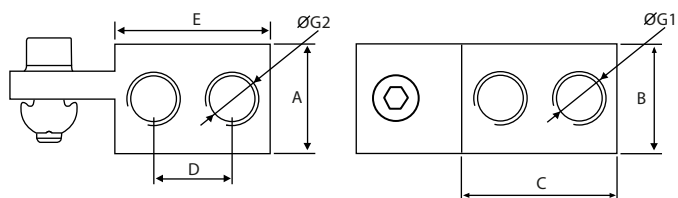
AIR / VACUUM MANIFOLD 1-8 PORTS



REFERENCE	INORMA	A	B	C	D	E	F	W	WEIGHT (g)
C10.AVMB.18.1818.X	NPC.BSMB9G18T	30	35	20	25	15	50	9xG1/8	50
C10.AVMB.18.1818.J	-	30	35	20	25	15	58	9xG1/8	58

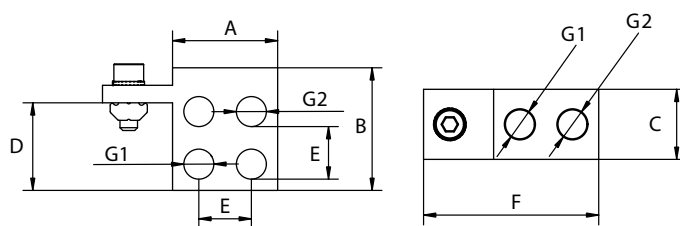


AIR / VACUUM MANIFOLD 2-4 PORTS

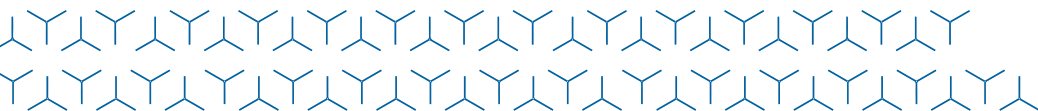


REFERENCE	A	B	C	D	E	G1	G2	WEIGHT (g)
C10.AVMB.24.1818.X	20	20	50	15	30	G 1/8	G 1/8	39
C10.AVMB.24.1818.J	40	20	58	15	30	G 1/8	G 1/8	41

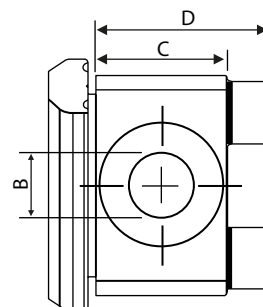
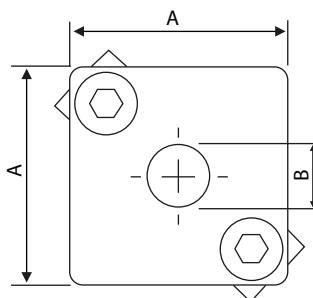
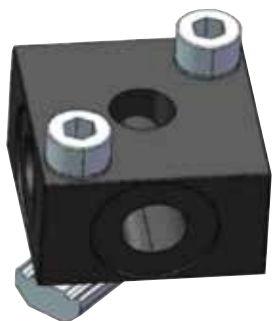
AIR / VACUUM MANIFOLD 2-8 PORTS



REFERENCE	INORMA	A	B	C	D	E	F	G1	G2	WEIGHT (g)
C10.AVMB.28.1818.X	NPC.BSMBD5G18T	30	35	20	25	15	50	G 1/8	G 1/8	54
C10.AVMB.28.1818.J		30	35	20	25	15	58	G 1/8	G 1/8	57

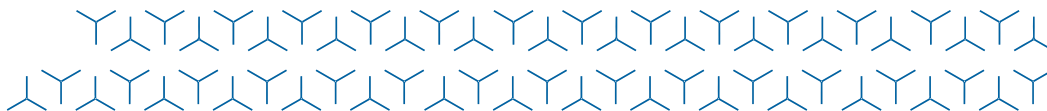


AIR / VACUUM MANIFOLD BLOCK 1-4 PORTS

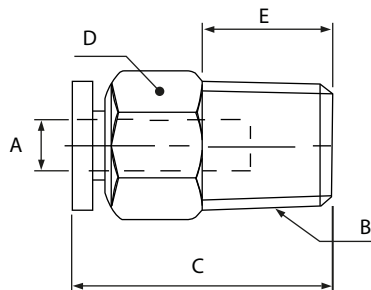


REFERENCE	INORMA	A	B	C	D	WEIGHT (g)
C10.AVML.X.14.18	NPC.BSMB5G18T	30	5xG1/8	18	24	50
C10.AVML.X.14.14	NPC.BSMB5G14T	40	5xG1/4	20	23	80



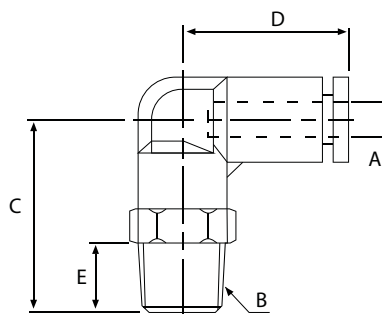


STRAIGHT MALE ADAPTER

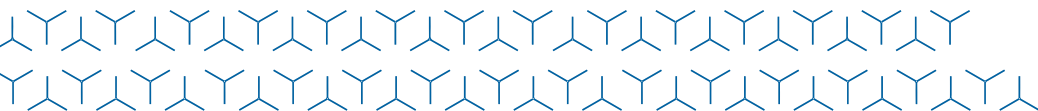


REFERENCE	INORMA	A	B	C	D	E	WEIGHT (g)
C10.AMSM04M5	NPC.GSRGS4M5	4	M5x0.8	20	10	3	6.3
C10.AMSM04G1/8	NPC.GSRGS401	4	G 1/8	21	10	8	8.3
-	NPC.GSRGS402	4	G 1/4	21	14	11	16
C10.AMSM06M5	NPC.GSRGS6M5	6	M5x0.8	22.1	12	3	9.2
C10.AMSM06G1/8	NPC.GSRGS601	6	G 1/8	22.6	12	8	9.3
C10.AMSM06G1/4	NPC.GSRGS602	6	G 1/4	24.6	14	11	18
-	NPC.GSRGS603	6	G 3/8	23.6	17	12	28
-	NPC.GSRGS801	8	G 1/8	27.9	14	8	16
C10.AMSM08G1/4	NPC.GSRGS802	8	G 1/4	26.6	14	11	16
C10.AMSM08G3/8	NPC.GSRGS803	8	G 3/8	23.9	17	12	24

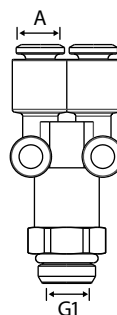
L MALE ADAPTER



REFERENCE	INORMA	A	B	C	D	E	WEIGHT (g)
C10.AMSW04M5	NPC.GSRGL4M5	4	M5x0.8	20	18	3	8
-	NPC.GSRGL401	4	G 1/8	21	18	8	11
-	NPC.GSRGL402	4	G 1/4	21	18	11	21
C10.AMSW06M5	NPC.GSRGL6M5	6	M5x0.8	22.1	19.8	3	13
C10.AMSW06G1/8	NPC.GSRGL601	6	G 1/8	22.6	19.8	8	14
-	NPC.GSRGL602	6	G 1/4	24.6	19.8	11	22
-	NPC.GSRGL603	6	G 3/8	23.6	19.8	12	35
-	NPC.GSRGL801	8	G 1/8	27.9	22.7	8	19
C10.AMSW08G1/4	NPC.GSRGL802	8	G 1/4	26.6	22.7	11	24
-	NPC.GSRGL803	8	G 3/8	23.9	22.7	12	37

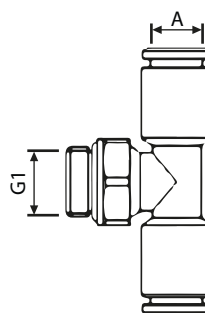


THREADED Y - CONNECTOR

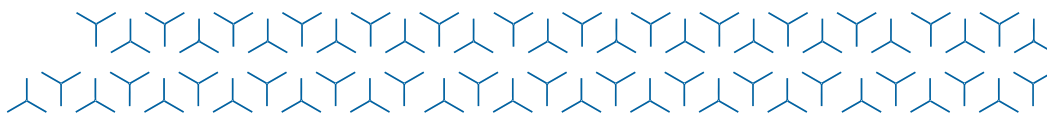


REFERENCE	A	G1	WEIGHT (g)
C10.AMSTY04G1/8	4	G 1/8	13
C10.AMSTY06G1/8	6	G 1/8	15
C10.AMSTY08G1/4	8	G 1/4	22

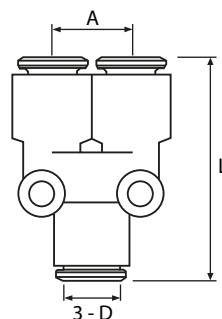
THREADED T - CONNECTOR



REFERENCE	A	G1	WEIGHT (g)
C10.AMSA04M5	4	M5	8
C10.AMSA04G1/8	4	G 1/8	13
C10.AMSA06M5	6	M5	12
C10.AMSA06G1/8	6	G 1/8	14
C10.AMSA08G1/4	8	G 1/4	25

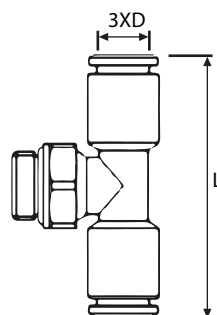


Y - CONNECTOR

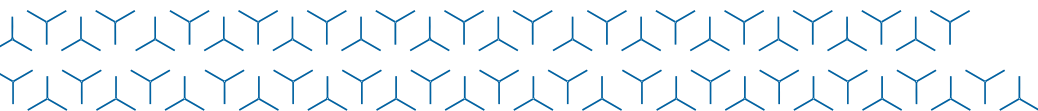


REFERENCE	INORMA	A	D	L	WEIGHT (g)
C10.AMSY04	NPC.GSRGY4	11	4	32.8	7.6
C10.AMSY06	NPC.GSRGY6	13.5	6	37.7	11
C10.AMSY08	NPC.GSRGY8	15.5	8	42.4	16

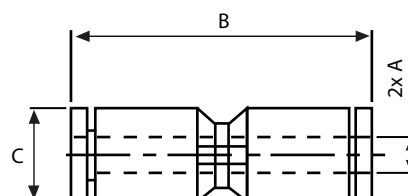
T - CONNECTOR



REFERENCE	INORMA	D	L	WEIGHT (g)
C10.AMST04	NPC.GSRGT4	4	33	4.7
C10.AMST06	NPC.GSRGT6	6	41	6.5
C10.AMST08	NPC.GSRGT8	8	44	9.4

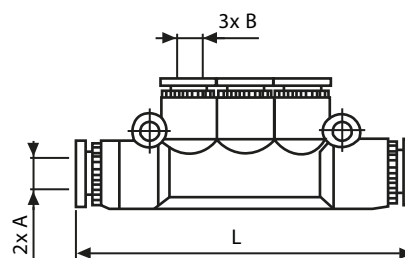


STRAIGHT CONNECTOR

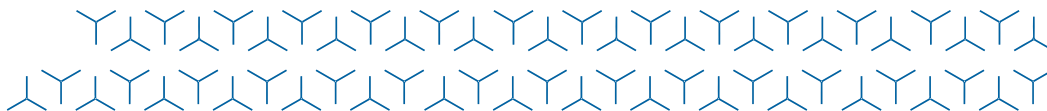


INORMA	A	B	C	WEIGHT (g)
NPC.GSRG4	4	30.8	10	4.7
NPC.GSRG6	6	34.9	12.5	6.5
NPC.GSRG8	8	37.8	14.5	9.4

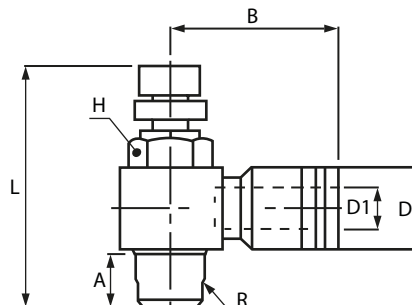
MANIFOLD CONNECTOR



INORMA	A	B	L	WEIGHT (g)
NPC.GSRGK4	6	4	74	16
NPC.GSRGK6	8	4	73	20
NPC.GSRGK8	8	6	73	23

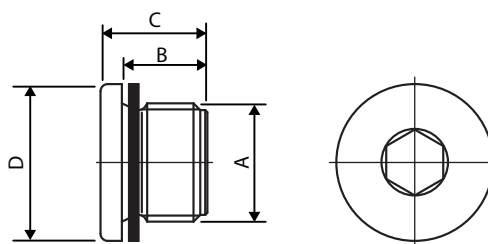


THROTTLE VALVE - L CONNECTOR



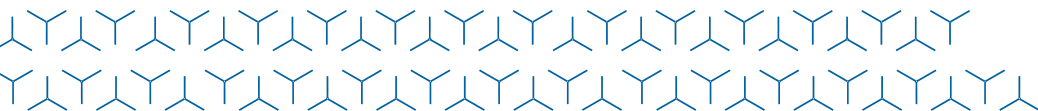
INORMA	A	B	D	D1	H	R	L(MIN)	L(MAX)	WEIGHT (g)
NPC.GSRGA4M5	2.9	15.4	8	4	8	M5	27	29.7	7.2
NPC.GSRGA401	8	17.7	8	4	10	G 1/8	34.9	41.5	17
NPC.GSRGA6M5	2.9	17.5	10.5	6	8	M5	27	29.7	7.9
NPC.GSRGA601	8	18.3	10.5	6	10	G 1/8	34.9	41.5	18
NPC.GSRGA602	11.1	20.2	10.5	6	14	G 1/4	42.2	48.9	35
NPC.GSRGA801	8	26.9	14.4	8	10	G 1/8	34.9	41.5	21
NPC.GSRGA802	11.1	28.4	14.4	8	14	G 1/4	42.2	48.9	38

MALE PLUG WITH NBR O-RING

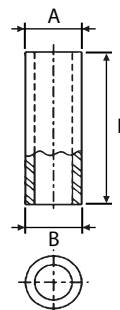


INORMA	A	B	C	D	WEIGHT (g)
NPC.GSRGM5	M5	4	6	8	1.4
NPC.GSRGG18	G 1/8	6	8.5	14	8
NPC.GSRGG14	G 1/4	8	11	17	20

Material: Brass nickel plated

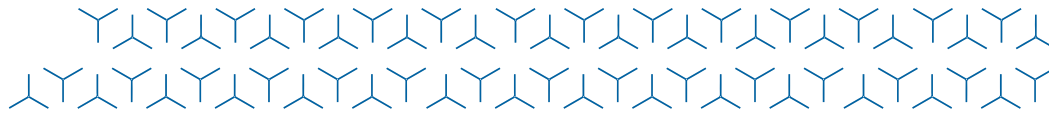


HOSES



COD. REROM	A	B	L
NPC.TU4B	4	2.5	100
NPC.TU4BL	4	2.5	100
NPC.TU4GR	4	2.5	100
NPC.TU4T	4	2.5	100
NPC.TU4Y	4	2.5	100
NPC.TU4R	4	2.5	100
NPC.TU4O	4	2.5	100
NPC.TU6B	6	4	100
NPC.TU6BL	6	4	100
NPC.TU6G	6	4	100
NPC.TU6T	6	4	100
NPC.TU6Y	6	4	100
NPC.TU6R	6	4	100
NPC.TU6O	6	4	100
NPC.TU8B	8	6	100
NPC.TU8BL	8	6	100

B: Black; | BL: Blue; | GR: Green; | T: Transparent; | Y: Yellow; | R: Red; | O: Orange.
40 - 60°C.



CABLE CONNECTORS



N2

**MAGNETIC SENSORS
FOR C SLOTS**



N3

**MAGNETIC SENSORS
FOR T SLOTS**



N4

**PROGRAMMABLE
SENSORS FOR C SLOTS**



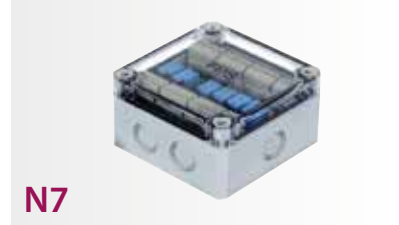
N6

INDUCTIVE SENSORS



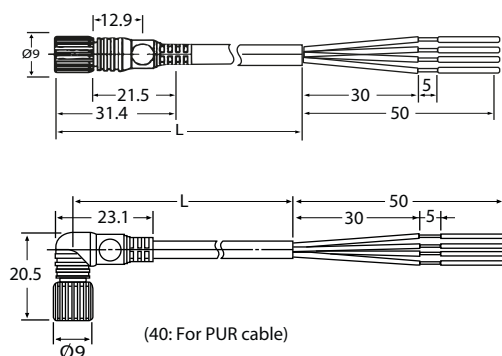
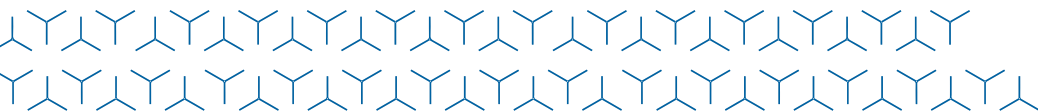
N6

SENSOR BOXES



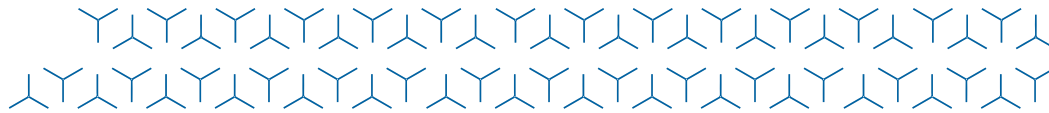
N7



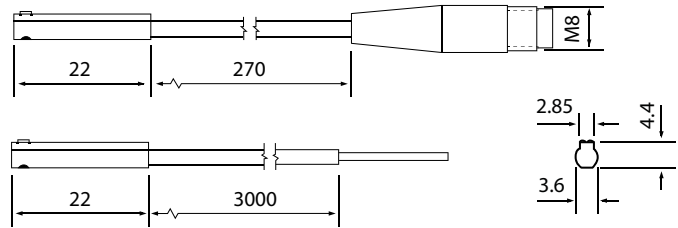


REFERENCE	CONNECTION TYPE	SIZE	NO. OF CABLE CORES.	CABLE LENGHT
C10.ACB.XS3F.M83S5M	Straight	M8	3 - wire	5
C10.ACB.XS3F.M83E5M	Elbow	M8	3 - wire	5
C10.ACB.XS3F.M84S5M	Straight	M8	4 - wire	5
C10.ACB.XS3F.M84E5M	Elbow	M8	4 - wire	5

3POLES		4POLES	
MALE	FEMALE	MALE	FEMALE



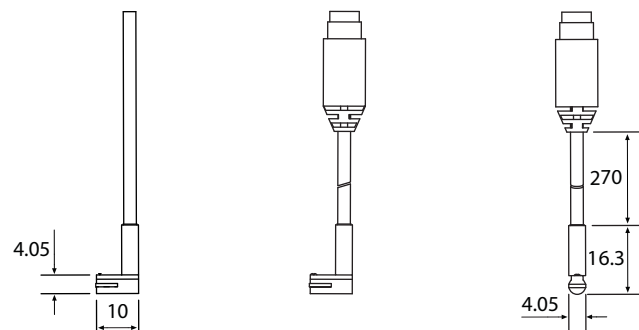
C SLOT SENSOR TYPE



REFERENCE	INORMA	OUTPUT	SENSOR TYPE	CONNECTOR	LEADS	WEIGHT (g)
C10.ASN.K5P.M8	NPC.DM9P	PNP	Electronic	M8 3pin	0.3 m	4
C10.ASN.K5N.M8	NPC.DM9N	NPN	Electronic	M8 3pin	0.3 m	4
C10.ASN.K5P.3MW	NPC.DM9PL	PNP	Electronic	-	3 m	4
C10.ASN.K5N.3MW	NPC.DM9NL	NPN	Electronic	-	3 m	4

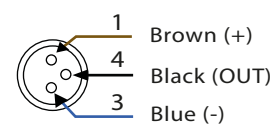
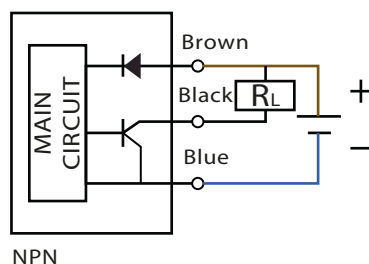
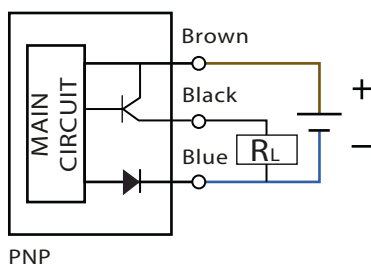
PNP - STANDARD W - POSITIVE LOAD

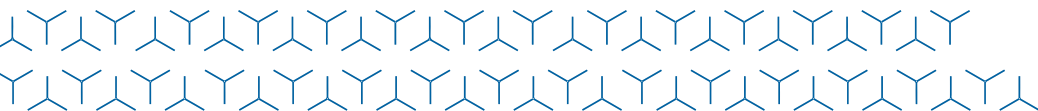
C SLOT SENSOR TYPE



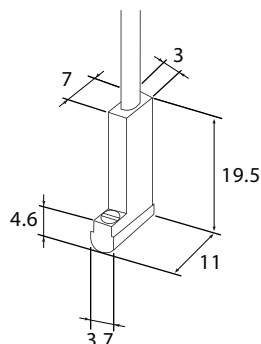
REFERENCE	INORMA	OUTPUT	SENSOR TYPE	CONNECTOR	LEAD	WEIGHT (g)
C10.ASN.K3P.M8	NPC.DM9PV	PNP	Electronic	M8 3pin	0.3 m	4
C10.ASN.K3N.M8	NPC.DM9NV	NPN	Electronic	M8 3pin	0.3 m	4
C10.ASN.K3P.3MW	NPC.DM9PVL	PNP	Electronic	-	3 m	4
C10.ASN.K3N.3MW	NPC.DM9NVL	NPN	Electronic	-	3 m	4

PNP - STANDARD W - POSITIVE LOAD



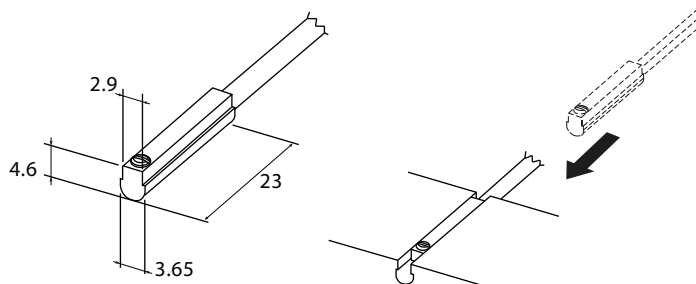


SENSOR GRIPPER MA.GG19-B

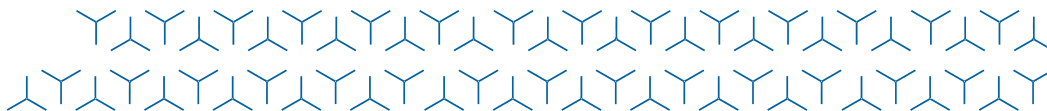


REFERENCE	OUTPUT	SENSOR TYPE	CONNECTOR LEAD - M	LEADS	REF.	WEIGHT (g)
C10.ASN.3M203-G	NPN	Magnetoresistive NO	M8 -3 pin	0.3	C10.AMA.GG19-B	4
C10.ASN.3N203-G	PNP	Magnetoresistive NO	M8 -3 pin	0.3	C10.AMA.GG19-B	4
C10.ASN.4M225-G	NPN	Magnetoresistive NO	-	2.5	C10.AMA.GG19-B	4
C10.ASN.4N225-G	PNP	Magnetoresistive NO	-	2.5	C10.AMA.GG19-B	4

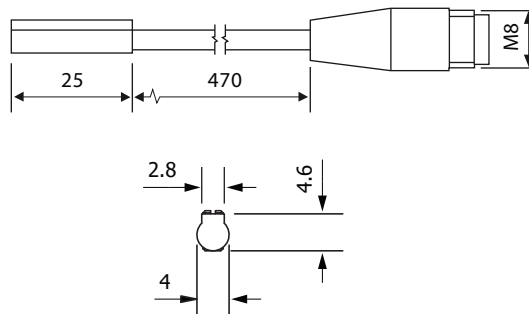
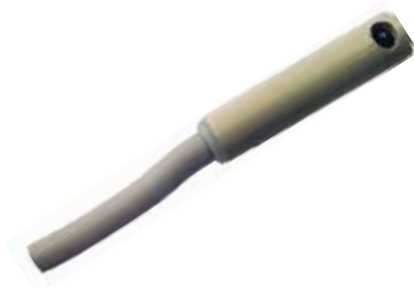
SENSOR GRIPPER MA.GG21-B



REFERENCE	OUTPUT	SENSOR TYPE	CONNECTOR LEAD - M	LEADS	WEIGHT (g)
C10.ASS.3M203-G	NPN	Magnetoresistive NO	M8 - 3 pin	0.3	4
C10.ASS.3N203-G	PNP	Magnetoresistive NO	M8 - 3 pin	0.3	4
C10.ASS.4M225-G	NPN	Magnetoresistive NO	-	2.5	4
C10.ASS.4N225-G	PNP	Magnetoresistive NO	-	2.5	4

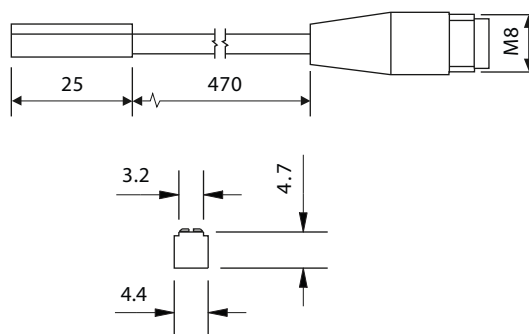
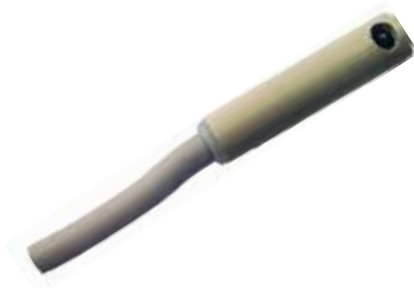


SENSOR

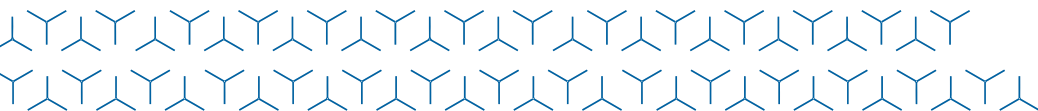


REFERENCE	OUTPUT	SENSOR TYPE	CONNECTOR	LEAD	WEIGHT (g)
C10.A	PNP	Electronic	M8 3pin	0.5m	4
C10.ASN.DMSHN.M8	NPN	Electronic	M8 3pin	0.5m	4
C10.ASN.DMSHP.3M	PNP	Electronic	-	3m	4
C10.ASN.DMSHN.3M	NPN	Electronic	-	3m	4

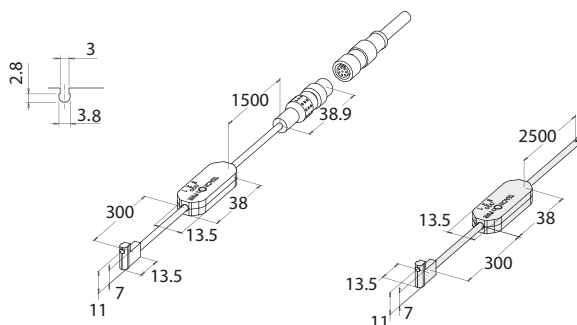
SENSOR



REFERENCE	OUTPUT	SENSOR TYPE	CONNECTOR	LEAD	WEIGHT (g)
C10.ASN.DMSGP.M8	PNP	Magnetic	M8 3pin	0.5m	4
C10.ASN.DMSGN.M8	NPN	Magnetic	M8 3pin	0.5m	4
C10.ASN.DMSGP.3M	PNP	Magnetic	-	3m	4
C10.ASN.DMSGN.3M	NPN	Magnetic	-	3m	4



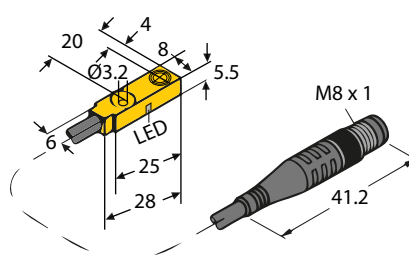
PROGRAMABLE MAGNETIC SENSOR FOR MP.SGP SERIES



REFERENCE	OUTPUT	SENSOR TYPE	CONNECTOR LEAD	CABLE (A ²)	WEIGHT (g)
C10.APRO.SN3N215HS-G	PNP	Magnetoresistive NO/NC	M8-3pin	0,3	70
C10.APRO.SN3M215HS-G	NPN	Magnetoresistive NO/NC	M8-3pin	0,3	70
C10.APRO.SN4N225HS-G	PNP	Magnetoresistive NO/NC	-	2,5	70
C10.APRO.SN4M225HS-G	NPN	Magnetoresistive NO/NC	-	2,5	70

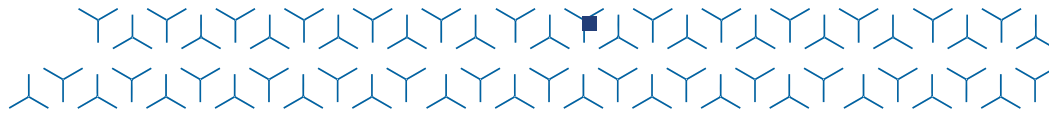
Programable GMP magnetoresistive sensors
3 independent Digital Outputs

SENSOR

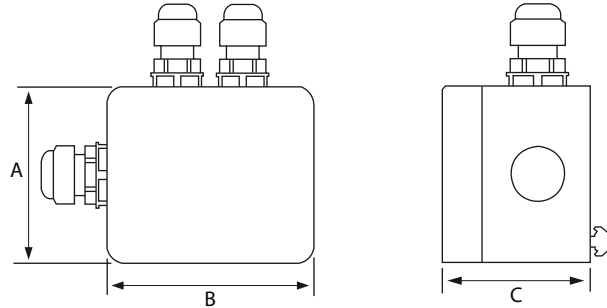


REFERENCE	SUPPLY	TYPE	CABLE LENGTH	CONNECTION
C10.AGZ20.SM8.PNP	12-30VDC	PNP	300	M8
C10.AGZ20.SM8.NPN	12-30VDC	NPN	300	M8

IEC: IP67 for dust and water resistance.



SENSOR BOX



REFERENCE	A	B	C	MAX. # OF SENSORS
C10.ASNB.02C	45	100	45	2
C10.ASNB.04C	65	94	57	4
C10.ASNB.06C	94	94	57	6
C10.ASNB.08C	94	130	57	8
C10.ASNB.12C	94	180	57	12

Mount the JPC (jumpers) on each sensor wired as PNP or NPN, according to the sensor your are using.

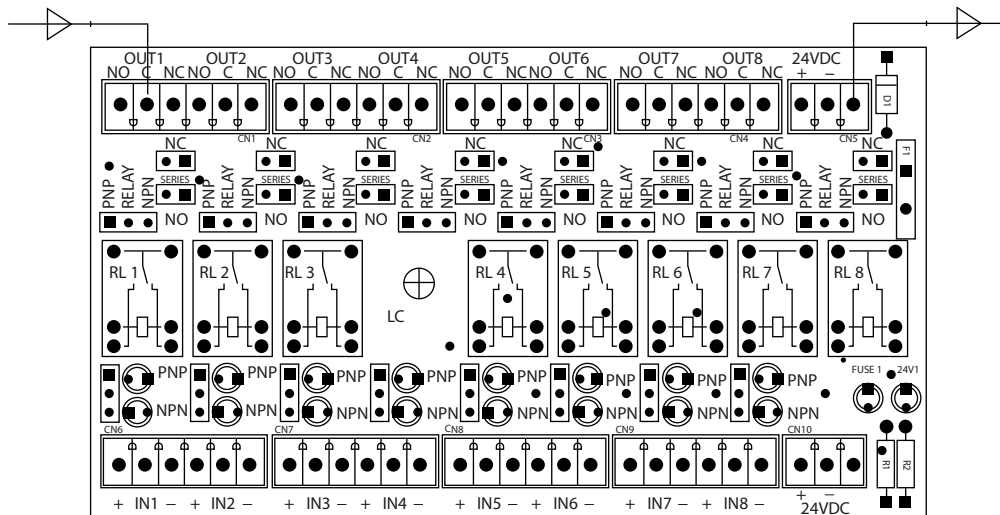
Possibility to wire 1 to 8 outputs. In case of utilizing one OUT with various IN, always wire the last OUT

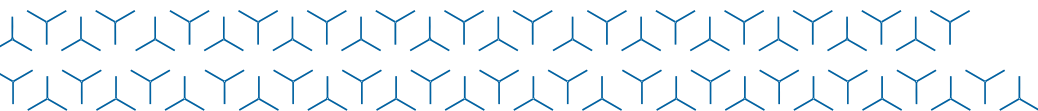
I/O can be current sourcing (PNP), sinking (NPN) or dry contact.

LED indicators allow for easy trouble shooting

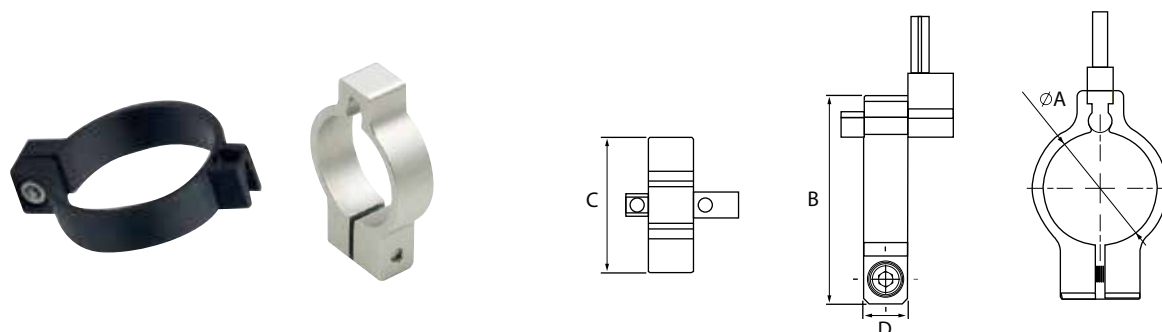
24 VDC

Possibility to connect several electrical boards in series.





SENSOR MOUNTING BRACKET



REFERENCE	INORMA	A	B	C	WEIGHT (g)
C10.ASMB14L	-	14	27.3	16.8	2
-	NPC.GS14	14	30	18	14
C10.ASMB20L	-	20	33.8	23	2.5
-	NPC.GS20	20	37	24	17
C10.ASMB30L	-	30	44.8	33.2	3
-	NPC.GS30	30	47	34	25

EOAT

END OF ARM TOOLING



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