FPSERVICES AUTOMATION

22

PRODUCT OVERVIEW

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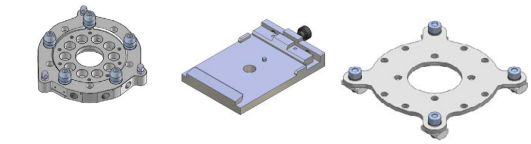
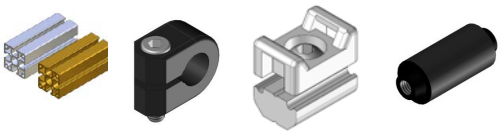
	**01**	Quick Changer systems	4-6
	**02**	Profiles & Accessories - Tube Line	7-9
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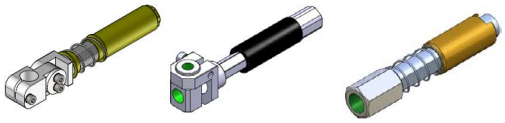	**05**	Gripper arms for vacuum cups	16-23
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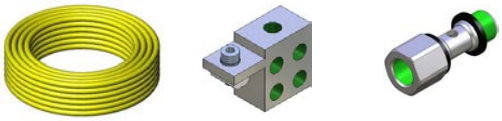	**12**	Pneumatic & Accessories	50-51 58
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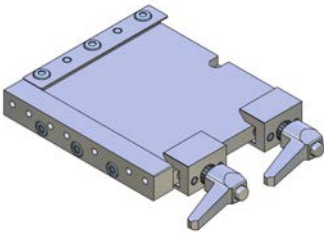
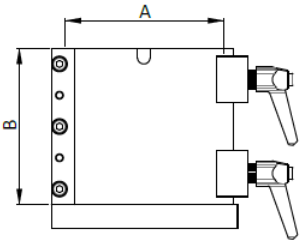
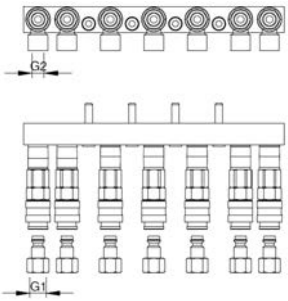
Quick changer (Robot side)





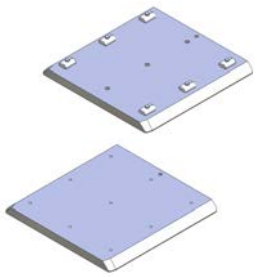
	A	B		
CA.SWM0	60	60	AL.	140 g
CA.SWM1	100	100		495 g
CA.SWM1S			STEEL	1136 g
CA.SWM2	160	160	AL.	1235 g
CA.SWM2S			STEEL	3118 g
CA.SWM3	250	250	AL.	3072 g
CA.SWM3S			STEEL	8180 g

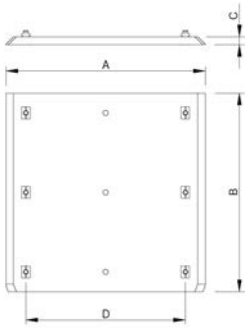
Pneumatic connection for quick changer



	G1	G2	L	M*	
CA.LAL.1.5	M5	M5	5	CA.SWM1	154 g
CA.LAL.1.7			7		225 g
CA.LAL.2.5	G 1/8	G 1/8	5	CA.SWM2	629 g
CA.LAL.2.7			7		854 g
CA.LAL.3.6	G 1/4	G 1/4	6	CA.SWM3	1162 g
CA.LAL.3.8			8		1503 g

Quick changer (Gripper side)

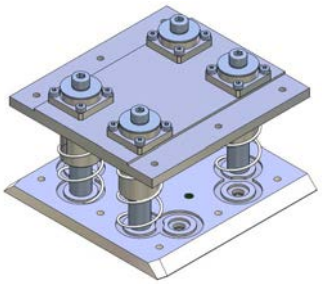


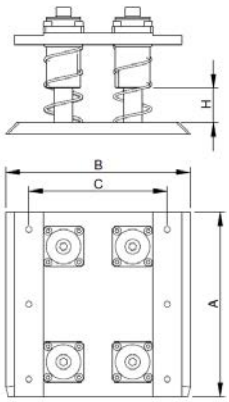


	A	B	C	D	M*		
CA.GPM0	60	60	8	...	...	AL.	69 g
CA.GPM0.X				35	L		104 g
CA.GPM1	100	100		...	...		201 g
CA.GPM1.X				70	L/X		241 g
CA.GPM1S				...	...	STEEL	582 g
CA.GPM2	160	160	10	...	...	AL.	653 g
CA.GPM2.X				120	L/X/JU		695 g
CA.GPM2S				...	...	STEEL	1892 g
CA.GPM3	250	250		...	...	AL.	1613 g
CA.GPM3.X				200	L/X/JU		1677 g
CA.GPM3S				...	...	STEEL	4673 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

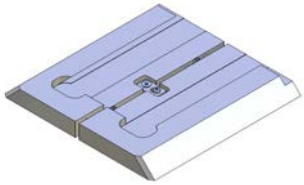
Ground Plate Spring Loaded

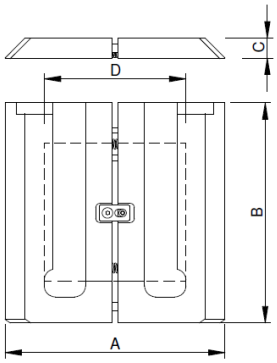




	A	B	C	H	F(N)	
CA.GPG.1	100	100	70	22	36	486 g
CA.GPG.2	160	160	120	30	50	1344 g
CA.GPG.3	250	250	200			3798 g

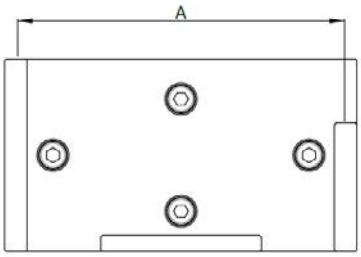
Ground Plate Reduction





	A	B	C	D	M*	
CA.GPR1.0	100	100	15	60	CA.GPM0/CA.SWM1	263 g
CA.GPR2.1	160	160		100	CA.GPM1/CA.SWM2	703 g
CA.GPR3.2	250	250	20	160	CA.GPM2/CA.SWM3	2441 g

Holding Fixture

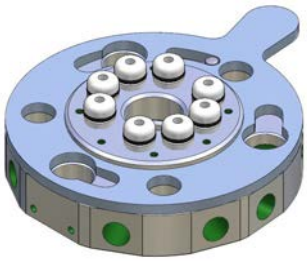


	A	M*	
CA.GHV.60	60	CA.GPM0	128 g
CA.GHV.100	100	CA.GPM1	182 g
CA.GHV.160	160	CA.GPM2	412 g
CA.GHV.250	250	CA.GPM3	1033 g

M* = suitable for / passend für / applicabile a / convient à / apto para

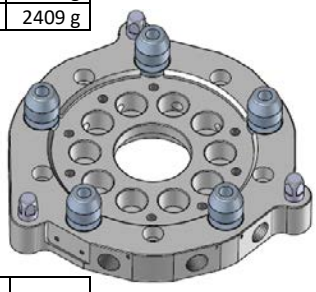
Quick changer

Robot side



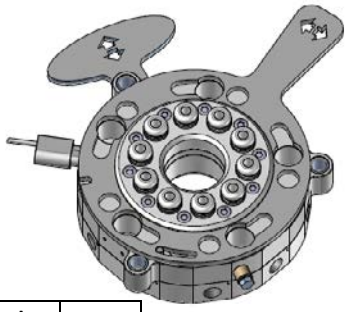
		Diameter	
CA.CUSL.50.R	RS/50	50	108 g
CA.01.01.001	RS/90	90	318 g
CA.01.01.003	RS/150	150	1158 g
CA.01.01.013	RS/160		1213 g
CA.CUSL.200.R	RS/200	200	2409 g

Gripper side



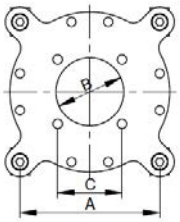
		Diameter	
CA.CUSL.50.G	GS/50	50	63 g
CA.01.01.002	GS/90	90	257 g
CA.01.01.004	GS/150	150	836 g
CA.CUDL.150.G	GS/150		699 g
CA.01.01.014	GS/160		919 g
CA.CUDL.160.G	GS/160		997 g
CA.CUSL.200.G	GS/200	200	1774 g

Robot side



		Diameter	
CA.CUDL.90	RS/90	90	520 g
CA.CUDL.150	RS/150	150	2224 g
CA.CUDL.160	RS/160	150	2115 g

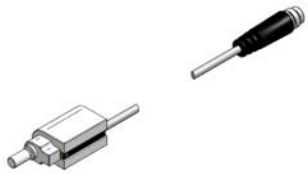
Interface



	A	B	C	D	M*	
CA.CUSL.50.I	25	32	15	3	CA.CUSL.50.G	63 g
CA.01.01.006	76	37	35	3	CA.01.01.002 CA.CUDL.90	170 g
CA.01.01.007	110	70	52	4	CA.01.01.004 CA.01.01.014	497 g
CA.CUSL.200.I	192	140	151.6	8	CA.CUSL.200.G	1439 g

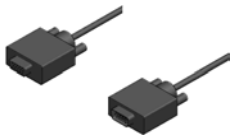
For any further information, please refer to drawings on www.fps-eoat.it Drawings not to scale

QC security lock with sensor



		M*	
CA.CUDL.01	PNP	CA.CUDL.90 CA.CUDL.150 CA.CUDL.160	17 g
CA.CUDL.02	NPN		
CA.CUDL.03	2 WIRES		

Cable

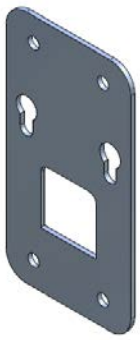


		M*
CA.01.01.011	Female cable	Robot side
CA.01.01.012	Male cable	Gripper side

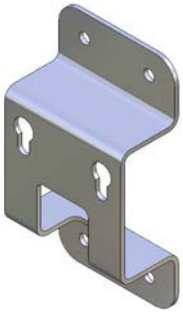
Electrical connection module

	M*
	Robot side
	Gripper side

Holding Fixture

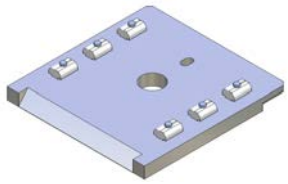


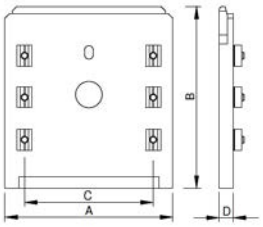
	A	M*	
CA.01.01.015.F	90	CA.01.01.002	307 g
CA.01.01.016.F	150	CA.01.01.004 CA.01.01.014	720 g
CA.01.01.017.F	200	CA.CUSL.200G	1398 g



	A	M*	
CA.CUSL.50.H	50	CA.CUSL.50.G	125 g
CA.01.01.015	90	CA.01.01.002	440 g
CA.01.01.016	150	CA.01.01.004 CA.01.01.014	926 g
CA.01.01.017	200	CA.CUSL.200G	1178 g

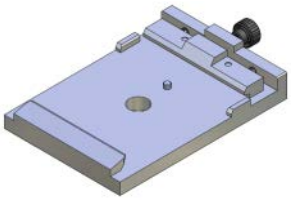
Quick changer (gripper side)

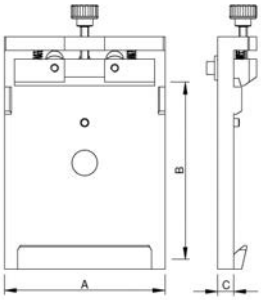




	A	B	C	D	M*	M1	
CA.01.02.002	60	72	20	10	CA.01.02.001	...	89 g
CA.01.02.002.X						L/X	125 g
CA.01.02.004	120	130	92		CA.01.02.003	...	377 g
CA.01.02.004.X						L/X/JU	432 g
CA.01.02.004A					CA.01.02.003B	...	371 g
CA.01.02.004A.X						L/X/JU	426 g
CA.01.02.008	90	108	62		CA.01.02.007	...	225 g
CA.01.02.008.X						L/X	262 g

Quick changer (robot side)



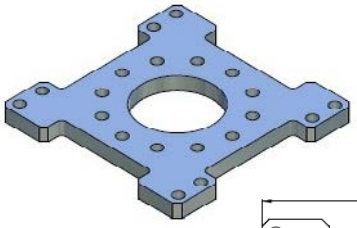


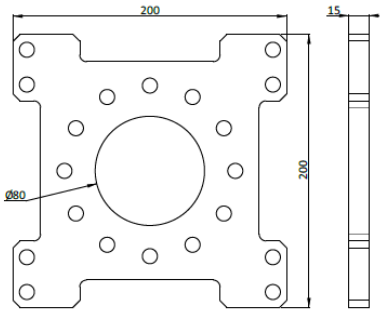
	A	B	C	H	M*	
CA.01.02.001	60	72	8	5 kg	CA.01.02.002	234 g
CA.01.02.003	120	130	12	20 kg	CA.01.02.004	814 g
CA.01.02.003B					CA.01.02.004A	
CA.01.02.007	90	108	8	10 kg	CA.01.02.008	391 g

For any further information, please refer to drawings on www.fps-eoat.it Drawings not to scale

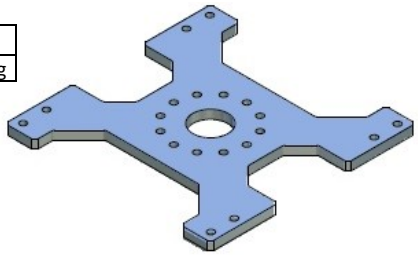
ABR Universal adapter plate

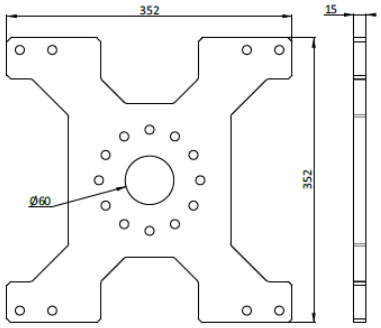
CA.ABR.200	1007 g





CA.ABR.352	2742 g





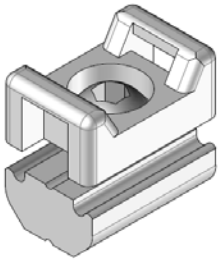
Cable Tie Last Minute

KIT.KBS (KIT 10 PCS)	20 g

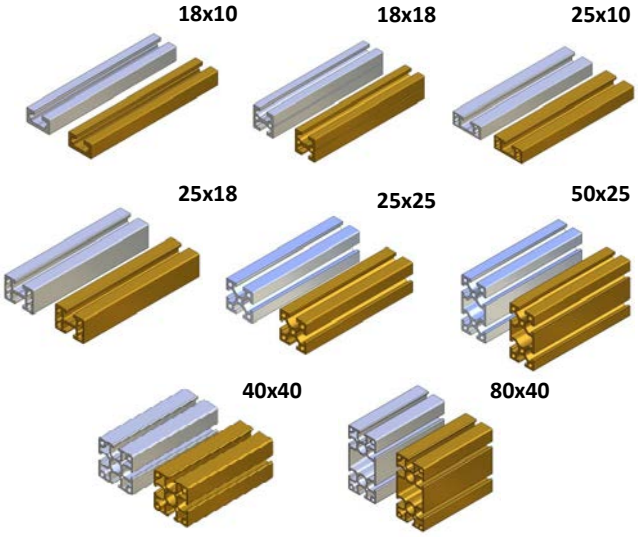
Support for cable tie

New

KIT.PAN.01	(KIT 10 PCS)	16X11 mm	80 g
KIT.PAN.02		22X15 mm	90 g



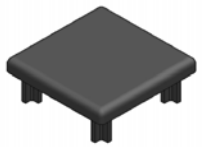
Profiles

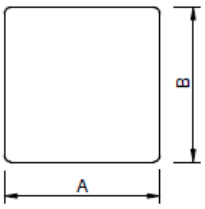


	L	M*	M1	
CA.L.1810.1000/1000G	1 m	CA.GWP	CA.ADK.L.1810	267 g
CA.L.1810.2000/2000G	2 m			534 g
CA.L.1818.1000/1000G	1 m		CA.ADK.L.1818	410 g
CA.L.1818.2000/2000G	2 m			820 g
CA.X.2510.1000/1000G	1 m		CA.ADK.X.2510	302 g
CA.X.2510.2000/2000G	2 m			605 g
CA.X.2518.1000/1000G	1 m		CA.ADK.X.2518	456 g
CA.X.2518.2000/2000G	2 m			913 g
CA.X.2525.1000/1000G	1 m		CA.ADK.X.2525	683 g
CA.X.2525.2000/2000G	2 m			1365 g
CA.X.5025.1000/1000G	1 m		CA.ADK.X.5025	1150 g
CA.X.5025.2000/2000G	2 m			2311 g
CA.JU.4040.1000/1000G	1 m		CA.ADK.JU.4040	1407 g
CA.JU.4040.2000/2000G	2 m			2814 g
CA.JU.8040.1000/1000G	1 m		CA.ADK.JU.8040	2302 g
CA.JU.8040.2000/2000G	2 m			4603 g

Example: CA.L.1810.1000 = Silver Profile
CA.L.1810.1000G = Gold Profile

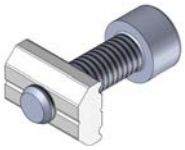
Profile end cap





	A	B	M*	
CA.ADK.L.1810	18	10	CA.L.1810...	1 g x 10
CA.ADK.L.1818		18	CA.L.1818...	
CA.ADK.X.2510	25	10	CA.X.2510...	
CA.ADK.X.2518		18	CA.X.2518...	
CA.ADK.X.2525		25	CA.X.2525...	2 g x 10
CA.ADK.X.5025	50	25	CA.X.5025...	3 g x 10
CA.ADK.JU.4040	40	40	CA.JU.4040...	7 g x 10
CA.ADK.JU.8040	80	40	CA.JU.8040...	13 g x 10

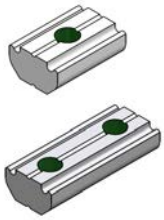
Butt connector

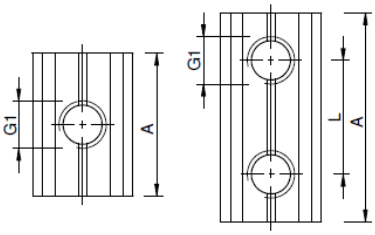


		M*	
CA.SV.X.5	M5	X	9 g
CA.SV.JU.6	M6	JU	12 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

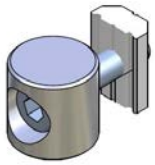
T-nut





	G1	L	A	M*	
CA.GWP.3U	M3	...	15	L/X/JU	6 g
CA.GWP.4U	M4				
CA.GWP.4LM			10		
CA.GWP.4.8		8	16		
CA.GWP.4.9		9	19		7 g
CA.GWP.4.16		16	24		9 g
CA.GWP.4.17		17	25		10 g
CA.GWP.4.25		25	32		13 g
CA.GWP.5U	M5	...	15		6 g
CA.GWP.5LM		...	10		2 g
CA.GWP.5.9		9	18		6 g
CA.GWP.5.10		10	18		
CA.GWP.5.11		11	19		7 g
CA.GWP.5.12		12	22		8 g
CA.GWP.5.15		15	25		9 g
CA.GWP.5.17		17	25		
CA.GWP.5.20		20	30		11 g
CA.GWP.5.22		22	32		12 g
CA.GWP.5.25		25	33		12 g
CA.GWP.5.25.3		25 x 2	58		23 g
CA.GWP.5.28		28	38		13 g
CA.GWP.5.30		30	40		16 g
CA.GWP.5.35		35	45		18 g
CA.GWP.5.38		38	48		18 g
CA.GWP.5.40		40	48		
CA.GWP.5.40.3		40 x 2	88		35 g
CA.GWP.5.50		50	58		23 g
CA.GWP.5.52		52	64		26 g
CA.GWP.5.60		60	68		27 g
CA.GWP.5.75		75	83		34 g
CA.GWP.6LM	M6	...	10		2 g
CA.GWP.6U			15		4 g
CA.GWP.6.12		12	24		8 g
CA.GWP.6.16		16	26		9 g
CA.GWP.6.20		20	30		11 g
CA.GWP.6.22		22	32		12 g
CA.GWP.6.25		25	35		13 g
CA.GWP.6.25.3		25 x 2	58		22 g
CA.GWP.6.28		28	40		15 g
CA.GWP.6.35		35	45		17 g
CA.GWP.6.40		40	50		19 g
CA.GWP.6.50		50	60		24 g
CA.GWP.6.52		52	64		25 g
CA.GWP.6.90		90	100		40 g
CA.GWP.500	...	500	...		212 g
CA.GWP.1000	...	1000	...		423 g

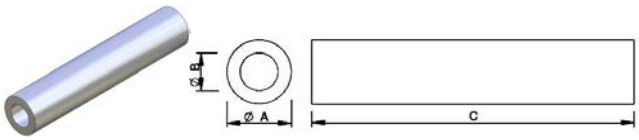
Butt connector



	M*	
CA.UVV.X.25.S	X	6 g
CA.UVV.JU.40.S	JU	6 g

TUBE LINE

Round profile tube



	A	B	C	
CA.GAR.10.1000	10	5	1000	160 g
CA.GAR.14.1000	14	7		313 g
CA.GAR.20.1000	20	12		545 g
CA.GAR.30.1000	30	26		477 g

	A	B	C	
CA.PAT.25X3.2000	25	22	2000	1124 g
CA.PAT.25X5.2000	25	20		1790 g
CA.PAT.40X3.2000	40	37		2286 g
CA.PAT.40X6.2000	40	34		3652 g

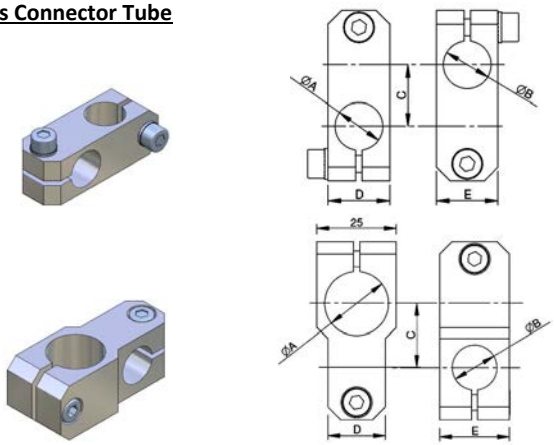
	A	B	C	
CA.02.02.001	12	10	1000	275 g
CA.02.02.002	16	14		376 g
CA.02.02.003	20	17		695 g

Profile end cap

	M*	
CA.KAB.25X5	CA.PAT.25X5.2000	3 g
CA.KAB.40X3	CA.PAT.40X3.2000	11 g
CA.KAB.40X6	CA.PAT.40X6.2000	9 g

	M*	
CA.02.04.001	CA.02.02.001	1 g
CA.02.04.002	CA.02.02.002	2 g
CA.02.04.003	CA.02.02.003	2 g

Cross Connector Tube

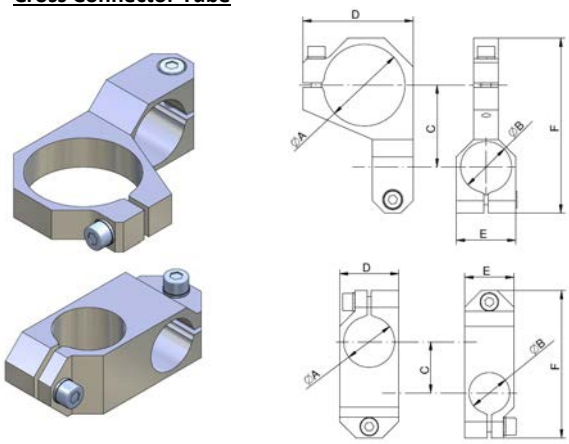


	A	B	C	D	E	
CA.KKS.10.10	10	10	16	14	14	16 g
CA.KKS.14.14	14	14	18	18	18	35 g
CA.KKS.20.20	20	20	26	25	25	70 g
CA.KKS.20.10	20	10	20	14	20	40 g
CA.KKS.20.14	20	14	20	18	22	48 g
CA.KKS.30.30	30	30	35	40	40	253 g

	A	B	C	D	E	
CA.03.03.001	16	16	18	25	25	30 g
CA.03.03.002	12	16	20	25	25	35 g
CA.03.03.003	12	12	15	20	20	38 g
CA.03.03.004	16	20	22	30	30	50 g

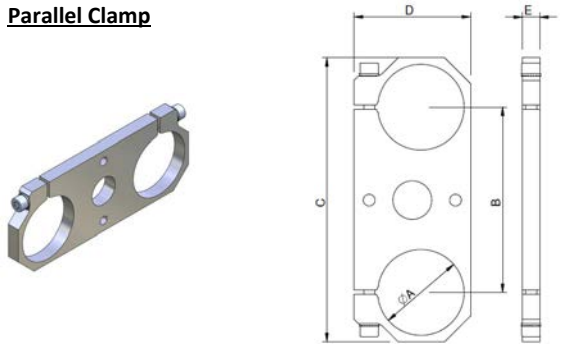
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Cross Connector Tube

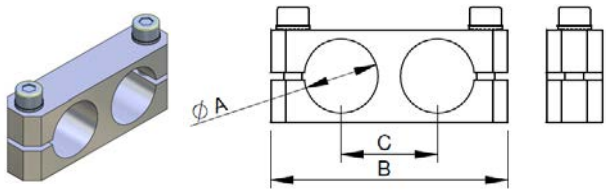


	A	B	C	D	E	
CA.KKS.L.2020	20	20	25	24	24	53 g
CA.KKS.L.2025		25			29	67 g
CA.KKS.L.2525	25		30	29		87 g
CA.KKS.L.4020	40	20	40	54	24	57 g
CA.KKS.L.4025		25			29	60 g
CA.KKS.L.4040		40	50		44	92 g

Parallel Clamp

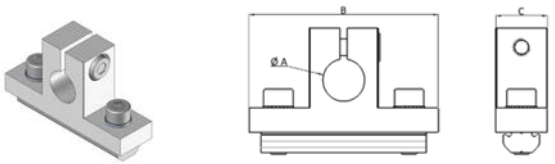


	A	B	C	D	E	
CA.PKS.L.4040.76	40	76	122	54	8	82 g
CA.PKS.L.4040.86	40	86	132	54	8	93 g



	A	B	C	
CA.PKS.1010.15	10	38	15	11 g
CA.PKS.1414.20	14	52	20	27 g
CA.PKS.2020.26	20	64	26	46 g
CA.PKS.2020.41	20	79	41	60 g
CA.PKS.3030.38	30	88	38	103 g

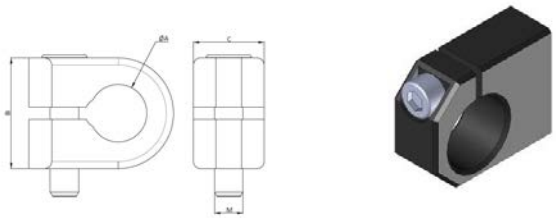
Omega connector



	A	B	C	
CA.03.07.001.X	12	55	15	35 g
CA.03.07.002.X	16	55	15	50 g
CA.03.07.003.X	20	68	25	63 g

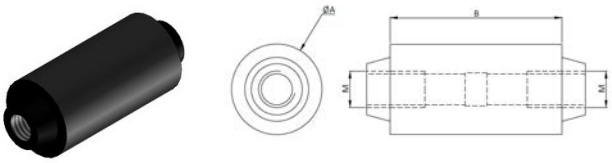
M* = suitable for / passend für / applicabile a / convient à / apto para

Connector round for tubes



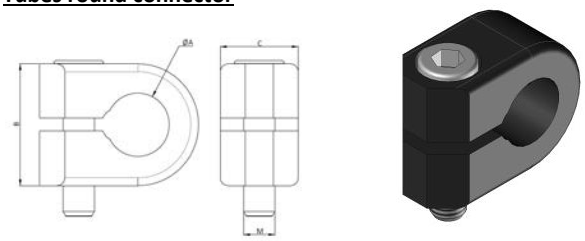
	A	B	C	M	
CA.ARA.20	20	40	32	M6	40 g
CA.ARA.25	25	50	20	M8	101 g
CA.ARA.40	40	70	30	M10	294 g

Clamping joint



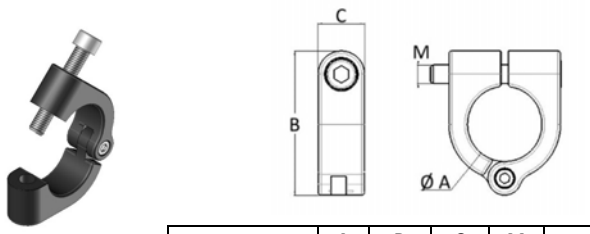
	A	B	M	
CA.R.VLB.27	25	40	M10	37 g
CA.R.VLB.47	25	60	M10	59 g

Tubes round connector



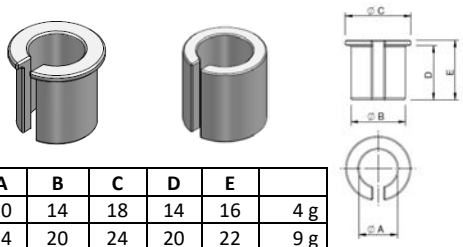
	A	B	C	M	
CA.HAR.20	20	39	25	M10	113 g
CA.HAR.25	25	40	25	M10	105 g
CA.HAR.40	40	55	25	M10	159 g

Tubes round connector Last



	A	B	C	M	
CA.HAR.20.LM	20	65	25	M10	48 g
CA.HAR.25.LM	25	65	25	M10	48 g
CA.HAR.40.LM	40	77	25	M10	193 g

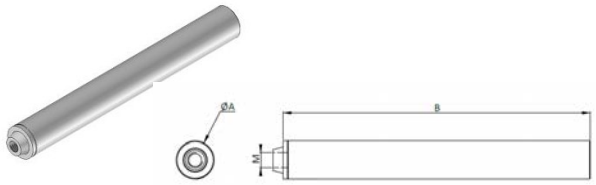
Reducer



	A	B	C	D	E	
CA.RID.1410	10	14	18	14	16	4 g
CA.RID.2014	14	20	24	20	22	9 g
CA.RID.3020	20	30	30	30	30	30 g

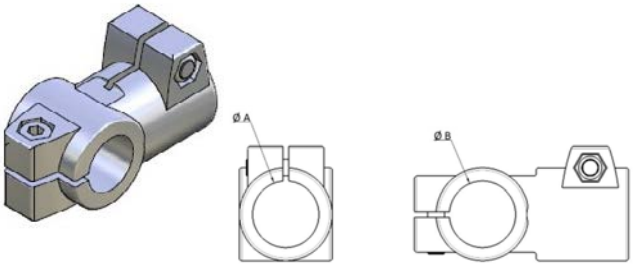
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Extension tube



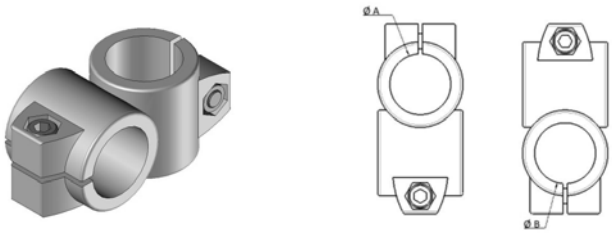
	A	B	M	
CA.R.VLR.200	25	200	M10	18 g
CA.R.VLR.400	25	400	M10	357 g

T connector



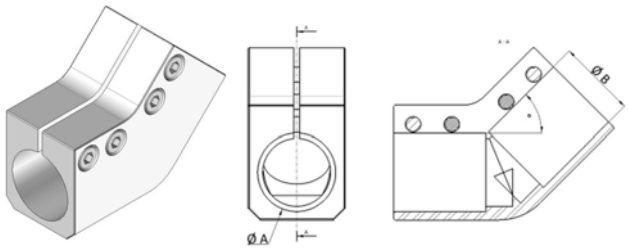
	A	B		
CA.ATK.20.20	20	20		218 g
CA.ATK.25.25	25	25		217 g
CA.ATK.40.40	40	40		476 g

Cross connector



	A	B		
CA.KKRO.25.25	25	25		192 g
CA.KKRO.40.40	40	40		417 g
CA.KK.25.14	25	14		155 g
CA.KK.40.20	40	20		640 g
CA.KK.40.25	40	25		601 g

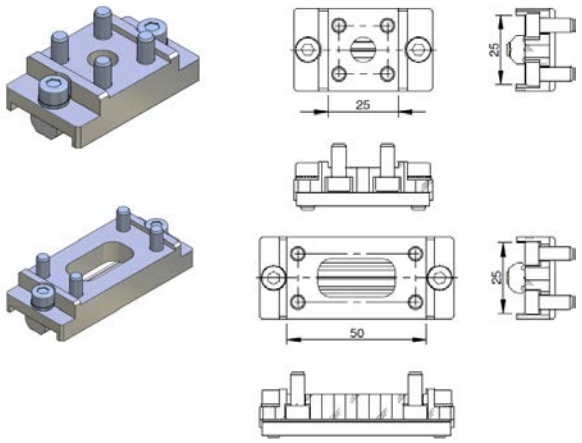
45° Connector



	A	B	°	
CA.AWK.25.45	25	25	45°	195 g
CA.AWK.40.45	40	40	45°	538 g

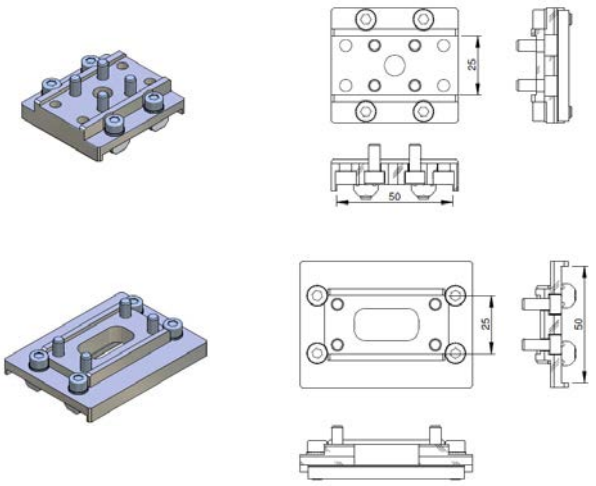
M* = suitable for / passend für / applicabile a / convient à / apto para

Profile End Connector 25



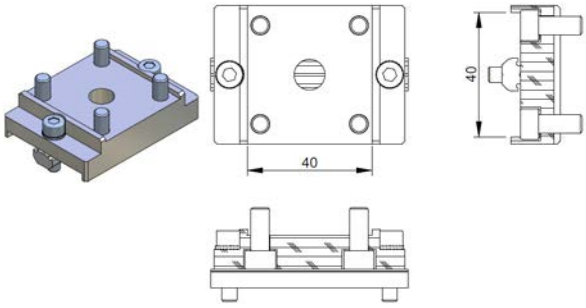
	M*	
CA.SVB.X.25.25	X	67 g
CA.SVB.X.25.50		88 g

Profile End Connector 50



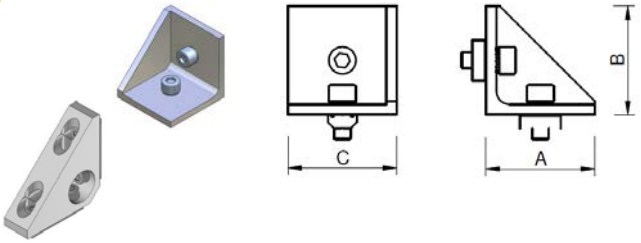
	M*	
CA.SVB.X.50.25	X	114 g
CA.SVB.X.50.50		149 g

Profile End Connector 40



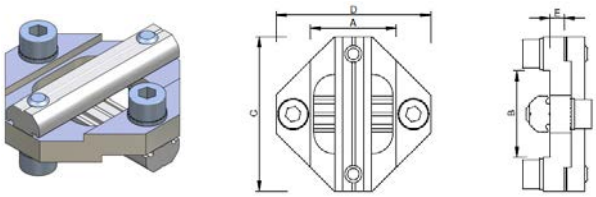
	M*	
CA.SVB.JU.40.40	JU	129 g

Corner Connector



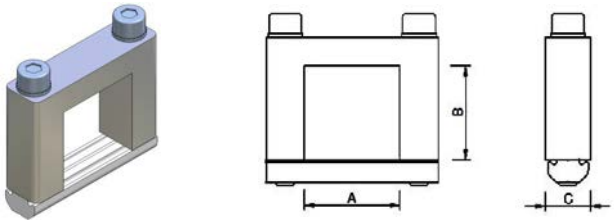
	A	B	C	M*	
CA.WIV.X.25.0	25	25	16	X	28 g
CA.WIV.X.50.25	51	51			80 g
CA.WIV.X.25.M	18	18	18		21 g
CA.WIV.X.25.E	38	38			37 g
CA.WIV.JU.40	40	40	40	JU	60 g
CA.WIV.JU.40.E	38	38	38		68 g
CA.WIV.JU.80.E	78	78	37		184 g

Cross Joint Connector



	A	B	C	D	E	M*	
CA.KPLL.1818	18	18	38	38	2	L	55 g
CA.KPLX.2518	25		45	45		L/X	
CA.KPLX.2525		25			4	X	67 g
CA.KPLX.5025	50			70			76 g
CA.KPLX.5050		50	70				192 g
CA.KPLJU.4040	40	40	65	65		JU	81 g
CA.KPLJU.4025		25	45	60		JU/X	77 g
CA.KPLJU.8040	80	40	100			JU	156 g
CA.KPLJU.8080		80		100			268 g

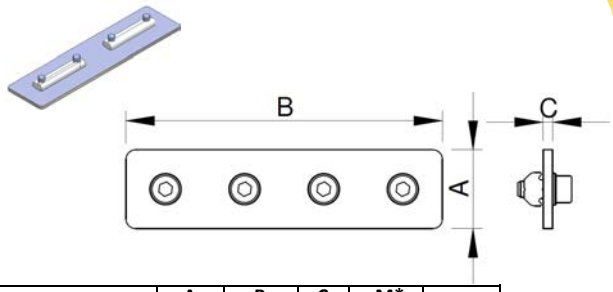
Square Joint Connector



	A	B	C	M*	
CA.KBVL.1810	18	10	10	L	13 g
CA.KBVL.1818		18			22 g
CA.KBVX.2510	25	10	12	X	42 g
CA.KBVX.2518		18			48 g
CA.KBVX.2525		25			40 g
CA.KBVX.2550		50			54 g
CA.KBVX.5025	50	25			57 g
CA.KBVJU.4040	40	40	15	JU	72 g
CA.KBVJU.4080		80			96 g
CA.KBVJU.8040	80	40			107 g

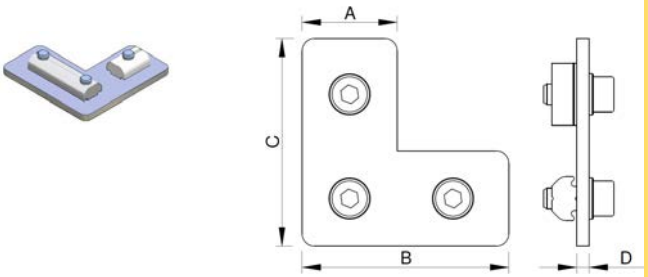
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Straight Connector



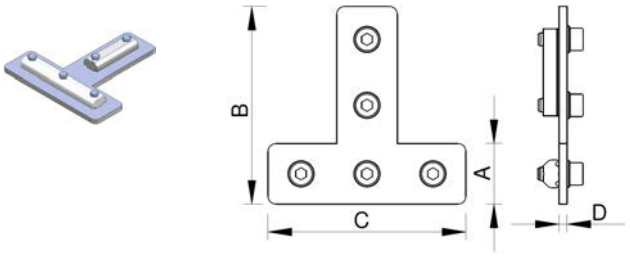
	A	B	C	M*	
CA.VBG.X.25.50	25	50	3	X	47 g
CA.VBG.X.50.50	50				94 g
CA.VBG.X.25.100	25	100			99 g
CA.VBG.JU.40.80	40	80		JU	97 g
CA.VBG.JU.40.160		160			215 g

Connector L-Style



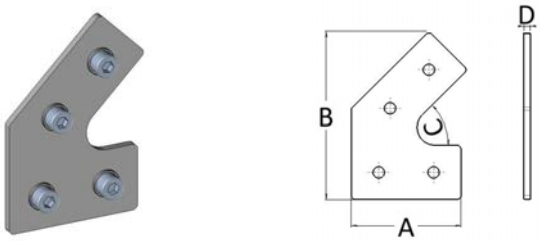
	A	B	C	D	M*	
CA.VBL.50.50	25	50	50	3	X	71 g
CA.VBL.50.75			75			96 g
CA.VBL.80.80.JU	40	80	80		JU	147 g
CA.VBL.80.120.JU			120			200 g

Connector T-Style



	A	B	C	D	M*	
CA.VBT.X.50.75	25	75	75	3	X	123 g
CA.VBT.X.75.100			100			149 g
CA.VBT.JU.120	40	120	80		JU	264 g

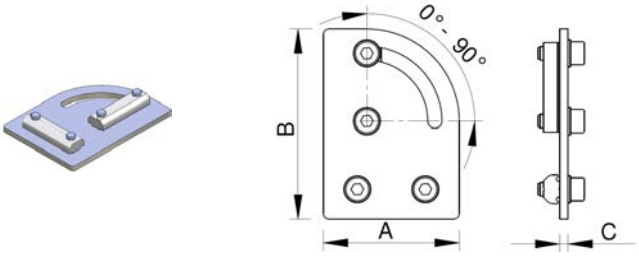
Connector 45°-Style



	A	B	C	D	M*	
CA.VBW.X.45	50	77	45°	3	X	104 g
CA.VBW.JU.45	130	147			JU	372 g

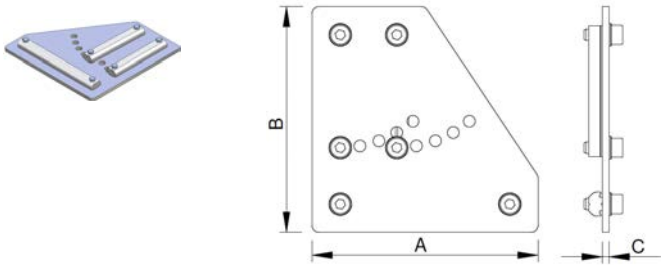
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Adjustable Connector 0-90°



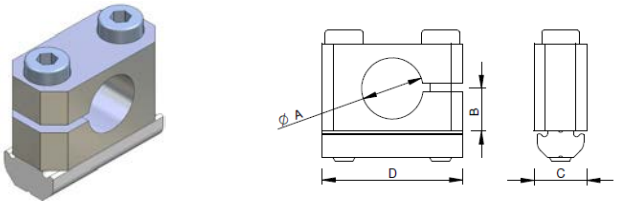
	A	B	C	M*	
CA.VBW.X.0.90	50	70	3	X	113 g
CA.VBW.JU.0.90	80	120		JU	256 g

Corner Joint Plate



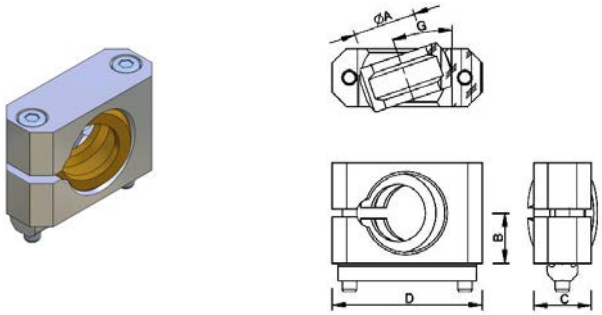
	A	B	C	M*	
CA.EVB.75.X	75	100	3	X	193 g
CA.EVB.100.X	100				292 g
CA.EVB.100.JU	80			JU	212 g

Cross Connector Round



	A	B	C	D	M*	
CA.KVB.L10	10	8	12	15	L	22 g
CA.KVB.X14	14	10		32	X	36 g
CA.KVB.X20	20	13		40		47 g
CA.KVB.JU20			20		JU	48 g
CA.KVB.JU30	30	18		52		97 g

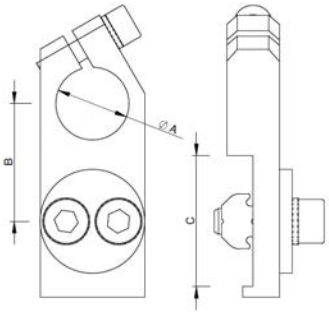
Cross Connector Round With Ball Joint



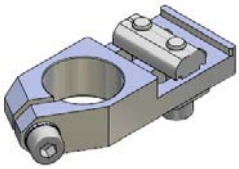
	A	B	C	D	G°	M*	
CA.KVB.KG.X10	10	10	12	32	0°-13°	X	42 g
CA.KVB.KG.X14	14	12,5	15	40	0°-17°		62 g
CA.KVB.KG.JU20	20	17,5	20	52	0°-19°	JU	124 g

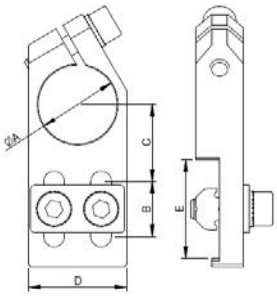
M* = suitable for / passend für / applicabile a / convient à / apto para

Adjustable Clamp



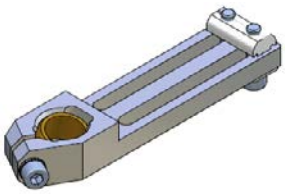
	A	B	C	M*	
CA.WST.10.L	10	17	18	L	20 g
CA.WST.10.X		21	25	X	
CA.WST.14.L	14	19	18	L	31 g
CA.WST.14.X		23	25	X	
CA.WST.20.X	20	27			42 g
CA.WST.20.JU		34	40	JU	50 g
CA.WST.30.X	30	30		X	95 g
CA.WST.30.JU		38		JU	105 g

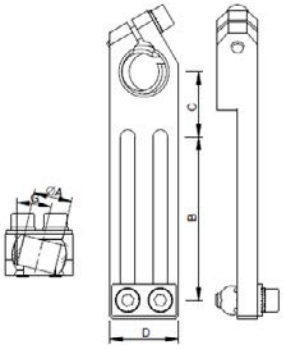




	A	B	C	D	E	M*	
CA.WST.1010.L	10	10	12	16	18	L	14 g
CA.WST.1014.X		14	13.55		25	X	15 g
CA.WST.1414.X	14		15.55	20			28 g
CA.WST.2014.X	20		19.55	25			38 g
CA.WST.2022.JU		22	23		40	JU	43 g

Long Angle Clamp With Ball joint

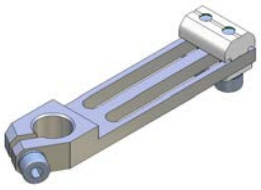


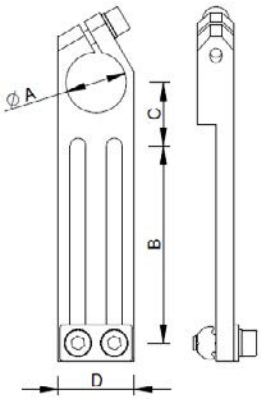


	A	B	C	D	G°	M*	
CA.WSL.1050.G.X	10	50	20	20	0°-13°	X	51 g
CA.WSL.1460.G.X	14	60	24	25	0°-17°		78 g
CA.WSL.2060.G.X	20		29	35	0°-19°	X/JU	168 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

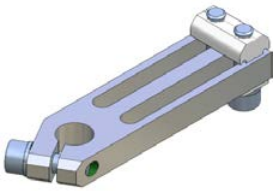
Universal Long Angle Clamp

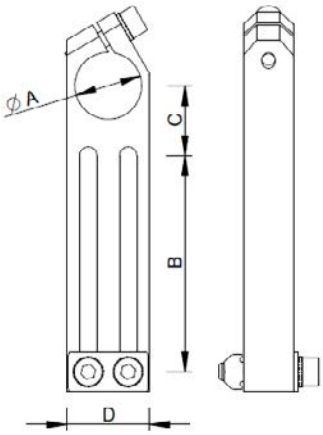




	A	B	C	D	M*	
CA.WSL.1040.U.L	10	40	17,5	16	L	23 g
CA.WSL.1040.U.X					X	
CA.WSL.1440.U.L	14		19	20	L	32 g
CA.WSL.1440.U.X					X	33 g
CA.WSL.1450.U.X		50				39 g
CA.WSL.2060.U.X	20	65	21	25	X/JU	58 g
CA.WSL.2070.U.X		70	25,5		JU	76 g
CA.WSL.2070.U.JU						78 g
CA.WSL.3070.U.JU	30		30	35		136 g

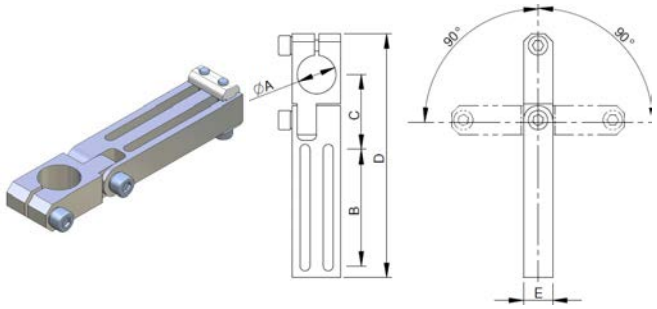
Long Angle Clamp Heavy Duty





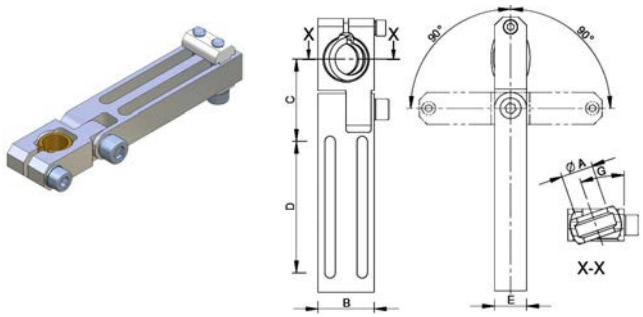
	A	B	C	D	M*	
CA.WSL.1040.VU.X	10	40	15	20	L	41 g
CA.WSL.1060.VU.X		60	16		L/X	48 g
CA.WSL.1080.VU.X		80				53 g
CA.WSL.1440.VU.X	14	40	19			43 g
CA.WSL.1450.VU.X		50	22		X	59 g
CA.WSL.2060.VU.X	20	65	21	25	X/JU	94 g
CA.WSL.2070.VU.X		70	25,5		JU	106 g
CA.WSL.2080.VU.X		80				111 g
CA.WSL.2570.VU.X	25	70	21	30		120 g
CA.WSL.3060.VU.J	30	60	30			188 g
CA.WSL.3070.VU.J		70				200 g

Long Angle Clam (Swivel Head)



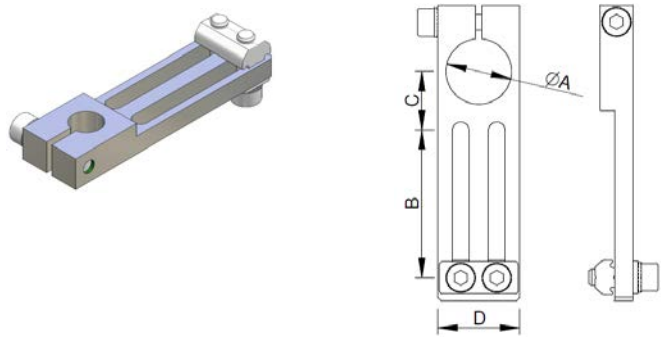
	A	B	C	D	E	M*	
CA.WSL.GA.10.X	10	40	26,6	85	10	L/X	57 g
CA.WSL.GA.14.X	14		27,8	88		X	
CA.WSL.GA.16.X	16	60	36,5	121	15	X	119 g
CA.WSL.GA.20.X	20	60	38,5	125	15	X/JU	122 g
CA.WSL.GA.30.X	30	82	53	168	20	JU	266 g

Long Angle Clamp Swivel Head and Ball Joint



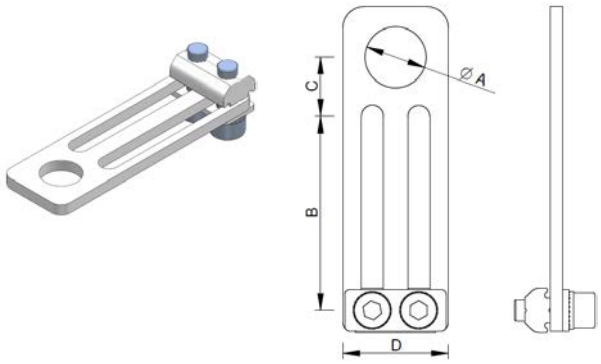
	A	B	C	D	E	G°	M*	
CA.WSL.KG.X.10	10	20	32,5	50	12	0°-13°	X	59 g
CA.WSL.KG.X.14	14	25	39,5	60	15	0°-17°		109 g
CA.WSL.KG.JU.20	20	35	51,5	82	20	0°-19°	X/JU	266 g

Long Angle Clamp



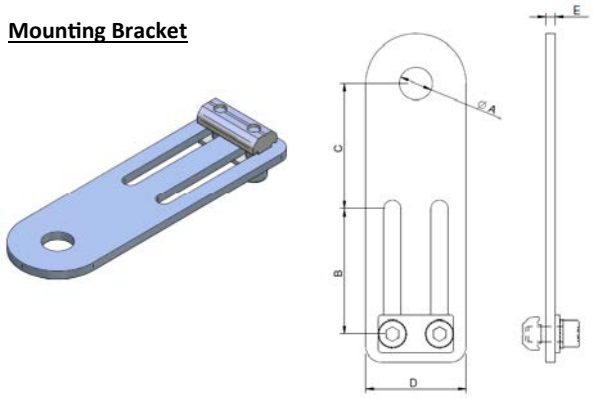
	A	B	C	D	M*	
CA.04.02.10.X	10	40	15,5	20	X	41 g
CA.04.02.12.X	12	40	15,5	20	X	39 g
CA.04.02.14.X	14	45	16,5	25	X	53 g
CA.04.02.16.X	16	45	16.5	25	x	51 g
CA.04.02.20.X	20	45	18	25	X/JU	50 g
CA.04.02.20.L.X	20	75	18	25	X/JU	56 g
CA.04.02.30.X	30	70	34	35	JU	128 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*



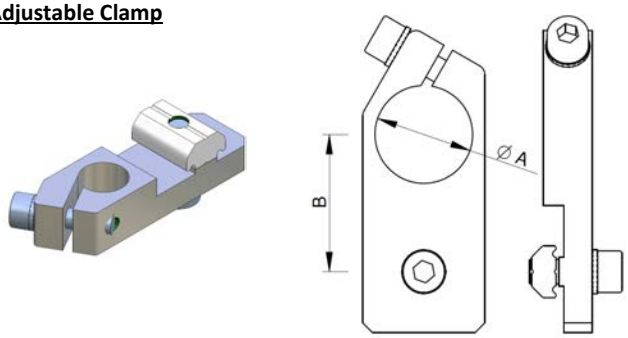
	A	B	C	D	M*	
CA.04.20.10.X	10	40	11	20	X	35 g
CA.04.20.12.X	12					
CA.04.20.14.X	14	46	14	25		45 g
CA.04.20.20.X	20	51,5	19	30	X/JU	65 g

Mounting Bracket



	A	B	C	D	E	M*	
CA.SCM.10.X	10,5	40	40	32	3	X	74 g
CA.SCM.12.X	12,5						73 g
CA.SCM.14.X	14,5					X/JU	72 g
CA.SCM.20.X	20,5						69 g

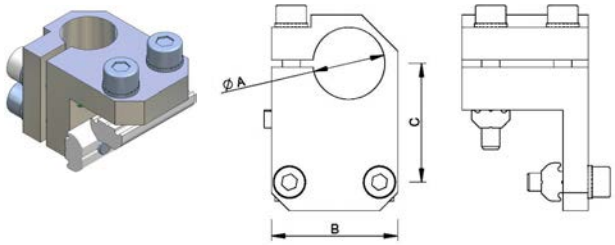
Adjustable Clamp



	A	B	M*	
CA.WST.10	10	21	X	23 g
CA.WST.14	14	24		25 g
CA.WST.20	20	28		36 g

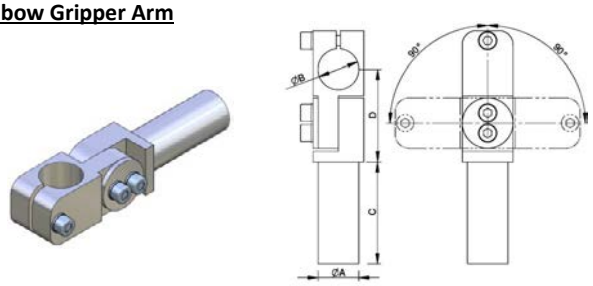
M* = suitable for / passend für / applicabile a / convient à / apto para

Clamp angle

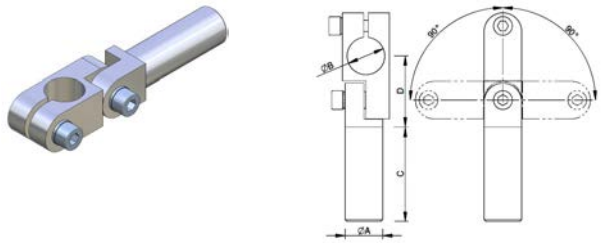


	A	B	C	M*	
CA.KSW.10.L	10	20	16	L	27 g
CA.KSW.10.X		25	19,5	X	57 g
CA.KSW.14.X	14		21,5		60 g
CA.KSW.20.X	20	32	24,5		80 g
CA.KSW.20.JU		35	33	JU	105 g
CA.KSW.30.JU	30	45	39		178 g

Elbow Gripper Arm



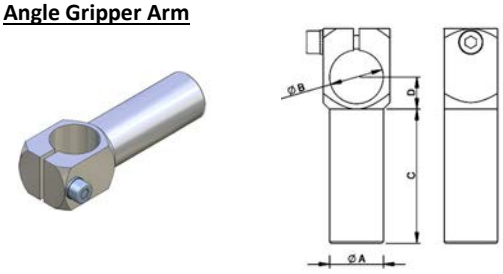
	A	B	C	D	
CA.GVR.1010.30	10	10	30	30	27 g
CA.GVR.1010.60			60		31 g
CA.GVR.1010.90			90		37 g
CA.GVR.1414.40	14	14	40	36	56 g
CA.GVR.1414.80			80		66 g
CA.GVR.1414.120			120		83 g
CA.GVR.2020.50	20	20	50	45,5	111 g
CA.GVR.2020.100			100		127 g
CA.GVR.2020.150			150		169 g
CA.GVR.3030.80	30	30	80	60	302 g
CA.GVR.3030.140			140		394 g
CA.GVR.3030.200			200		509 g



	A	B	C	D	
CA.GLA.1010.30	10	10	30	22	17 g
CA.GLA.1010.60			60		21 g
CA.GLA.1010.90			90		28 g
CA.GLA.1414.40	14	14	40	30	43 g
CA.GLA.1414.80			80		51 g
CA.GLA.1414.120			120		70 g
CA.GLA.2020.50	20	20	50	38	99 g
CA.GLA.2020.100			100		106 g
CA.GLA.2020.150			150		165 g
CA.GLA.2030		30	100	47	315 g
CA.GLA.3030	30			52,5	

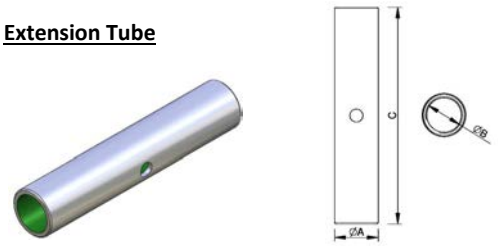
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Angle Gripper Arm



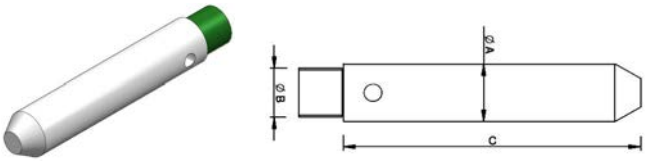
	A	B	C	D	
CA.WKA.10.10.30	10	10	30	8	13 g
CA.WKA.10.10.60			60		17 g
CA.WKA.10.10.90			90		22 g
CA.WKA.14.14.40	14	14	40	10	
CA.WKA.14.14.80			80		35 g
CA.WKA.14.14.120			120		48 g
CA.WKA.20.20.50	20	20	50	12	47 g
CA.WKA.20.20.100			100		78 g
CA.WKA.20.20.150			150		96 g
CA.WKA.30.30.80	30	30	80	17	136 g
CA.WKA.30.30.140			140		178 g
CA.WKA.30.30.200			200		278 g

Extension Tube



	A	B	C	
CA.VLR.10.30	10	M8X1	30	3 g
CA.VLR.10.60			60	6 g
CA.VLR.10.90			90	10 g
CA.VLR.14.40	14	M12X1	40	6 g
CA.VLR.14.80			80	13 g
CA.VLR.14.120			120	19 g
CA.VLR.20.30	20	M14X1	30	11 g
CA.VLR.20.50	20	M17X1	50	15 g
CA.VLR.20.100			100	31 g
CA.VLR.20.150			150	46 g
CA.VLR.30.80	30	M27X1	80	44 g
CA.VLR.30.140			140	78 g
CA.VLR.30.200			200	113 g
CA.VLR.30.600			600	413 g

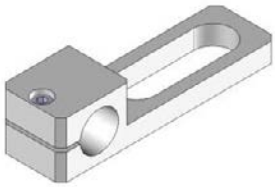
Centering pin



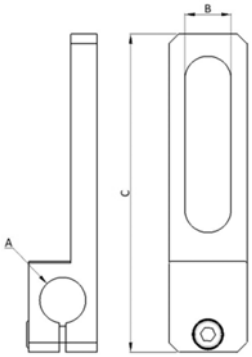
	A	B	C	M*	
CA.ZTB.1040	10	M8X1	40	CA.VLR.10	5 g
CA.ZTB.1060			60		7 g
CA.ZTB.1460	14	M12X1		CA.VLR.14	16 g
CA.ZTB.1480			80		18 g
CA.ZTB.20100	20	M17X1	100	CA.VLR.20	47 g
CA.ZTB.30100	30	M27X1		CA.VLR.30	104 g

M* = suitable for / passend für / applicabile a / convient à / apto para

Bracket tube - gripper arm

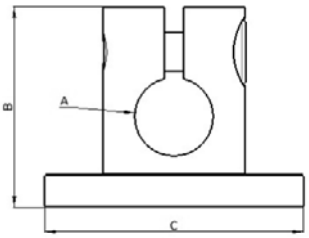


New



	A	B	C	
CA.STS.1010	10	10	73	24 g
CA.STS.1414	14	14	98	50 g
CA.STS.2020	20	20	113	100 g
CA.04.08.001	12	14	85	58 g
CA.04.08.002	16	20	100	67 g
CA.04.08.003	16	14	100	75 g
CA.04.08.004	12	10	79	33 g

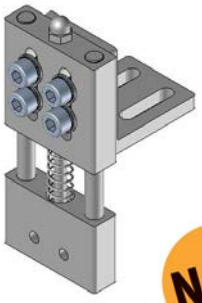
Cross Connector Round Omega



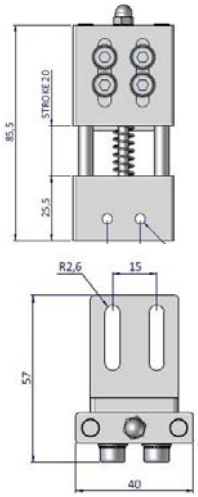
	A	B	C	
CA.03.06.005	12	31	40	32 g
CA.03.06.006	16	36,5	45	54 g
CA.03.06.007	20	46,3	58	100 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

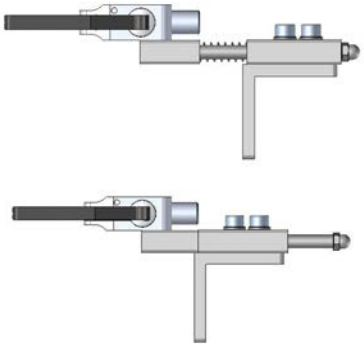
Suspension for gripper



New

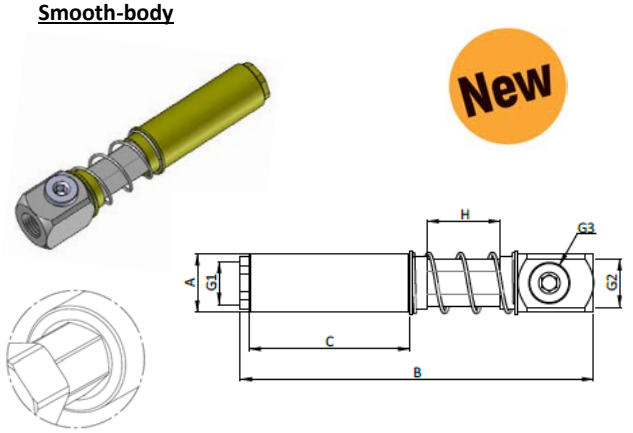


	STROKE		
CA.UCP.NO.20	20	Normal open	



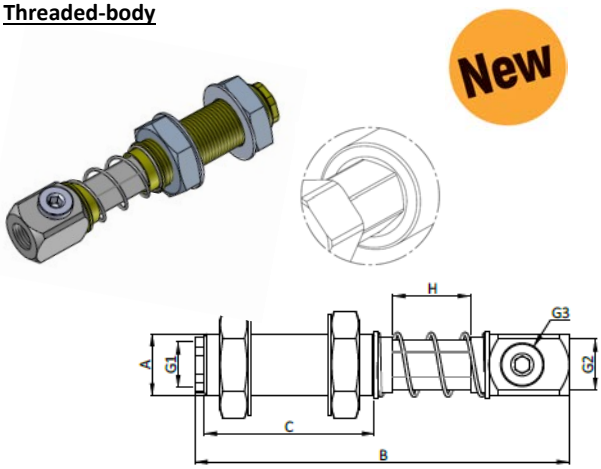
Non Rotative Suspension

Smooth-body



	A	B	C	G1	G2	G3	H	
CA.SAE.10050510	10	59	25	M5	M5	-	10	25 g
CA.SAE.10050530		79	25	M5	M5	-	30	27 g
CA.SAE.14181815	14	83	32	M5	G 1/8	G 1/8	15	52 g
CA.SAE.14181840		108	32	M5	G 1/8	G 1/8	40	55 g
CA.SAE.20141825	20	121	55	G 1/8	G 1/4	G 1/8	25	137 g
CA.SAE.20141850		146	55	G 1/8	G 1/4	G 1/8	50	140 g
CA.SAE.201418100		208	55	G 1/8	G 1/4	G 1/8	100	193 g

Threaded-body

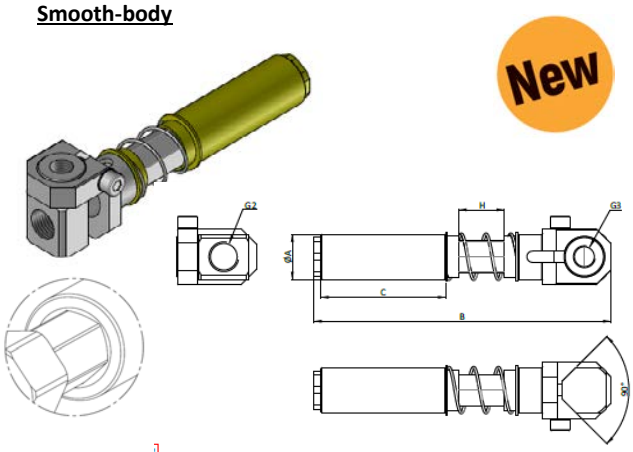


	A	B	C	G1	G2	G3	H	
CA.SAEG.10050510	M10X1	59	25	M5	M5	-	10	30 g
CA.SAEG.10020530		79	25	M5	M5	-	30	32 g
CA.SAEG.14181815	M14X1,5	83	32	M5	G 1/8	G 1/8	15	63 g
CA.SAEG.14181840		108	32	M5	G 1/8	G 1/8	40	65 g
CA.SAEG.20141825	M20X1,5	121	55	G 1/8	G 1/4	G 1/8	25	170 g
CA.SAEG.20141850		146	55	G 1/8	G 1/4	G 1/8	50	173 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

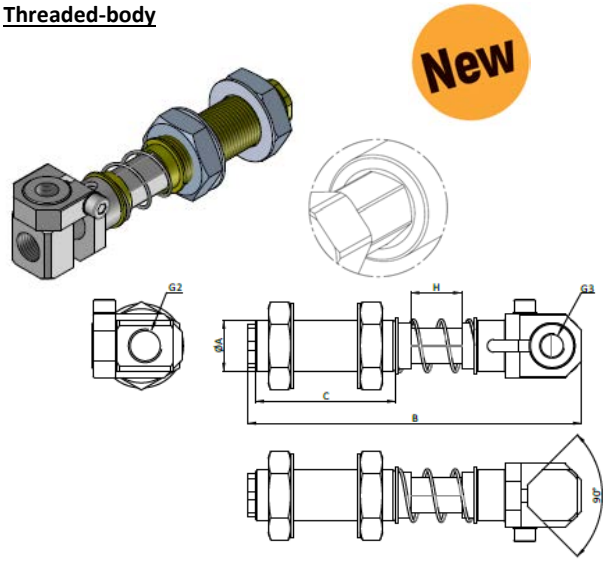
Non Rotative Suspension With Swivel Head

Smooth-body



	A	B	C	G2	G3	H	
CA.SAS.10050510	10	76	25	M5	-	10	34 g
CA.SAS.10050530		96	25	M5	-	30	36 g
CA.SAS.14181815	14	94	32	G 1/8	G 1/8	15	59 g
CA.SAS.14181840		119	32	G 1/8	G 1/8	40	64 g
CA.SAS.20141825	20	131	55	G 1/4	G 1/8	25	155 g
CA.SAS.20141850		156	55	G 1/4	G 1/8	50	161 g

Threaded-body

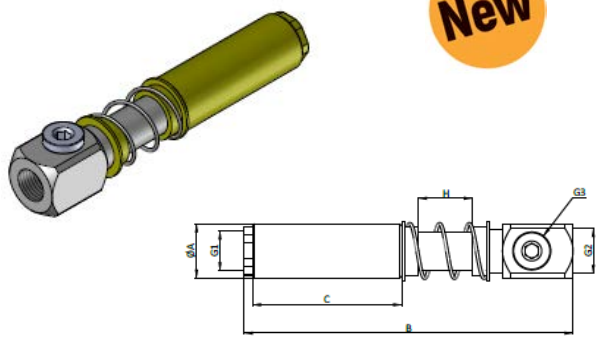


	A	B	C	G2	G3	H	
CA.SASG.10050510	10	76	25	M5	-	10	39 g
CA.SASG.10050530		96	25	M5	-	30	44 g
CA.SASG.14181815	14	94	32	G 1/8	G 1/8	15	70 g
CA.SASG.14181840		119	32	G 1/8	G 1/8	40	90 g
CA.SASG.20141825	20	131	55	G 1/4	G 1/8	25	188 g
CA.SASG.20141850		156	55	G 1/4	G 1/8	50	191 g

Rotative Suspension

Smooth-body

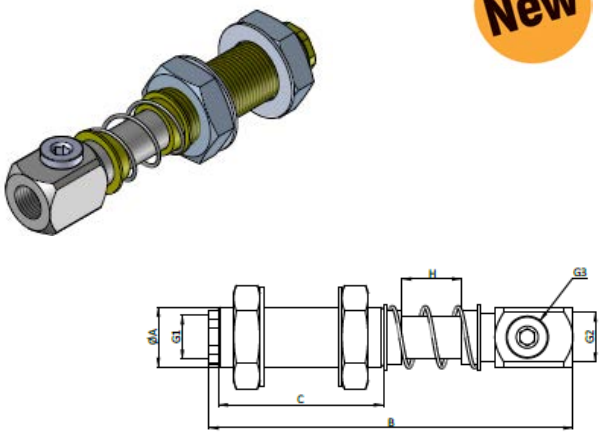
New



	A	B	C	G1	G2	G3	H	
CA.SAR.10050510	10	59	25	M5	M5	-	10	28 g
CA.SAR.10050530		79	25	M5	M5	-	30	31 g
CA.SAR.14181815	14	83	32	M5	G 1/8	G 1/8	15	55 g
CA.SAR.14181840		108	32	M5	G 1/8	G 1/8	40	60 g
CA.SAR.20141825	20	121	55	G 1/8	G 1/4	G 1/8	25	137 g
CA.SAR.20141850		146	55	G 1/8	G 1/4	G 1/8	50	144 g

Threaded-body

New



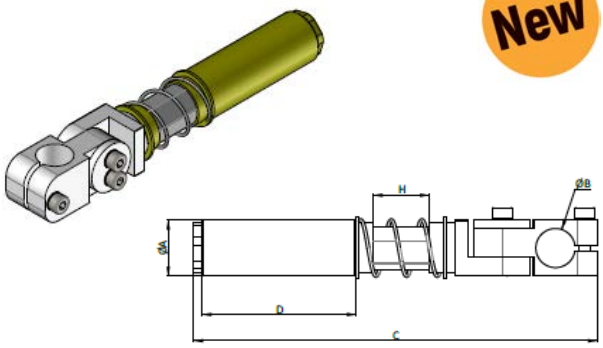
	A	B	C	G1	G2	G3	H	
CA.SARG.10050510	M10X1	59	25	M5	M5	-	10	32 g
CA.SARG.10050530		79	25	M5	M5	-	30	35 g
CA.SARG.14181815	M14X1,5	83	32	M5	G 1/8	G 1/8	15	67 g
CA.SARG.14181840		108	32	M5	G 1/8	G 1/8	40	72 g
CA.SARG.20141825	M20X1,5	121	55	G 1/8	G 1/4	G 1/8	25	171 g
CA.SARG.20141850		146	55	G 1/8	G 1/4	G 1/8	50	187 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Suspension With Swivel For Grippers

Smooth-body

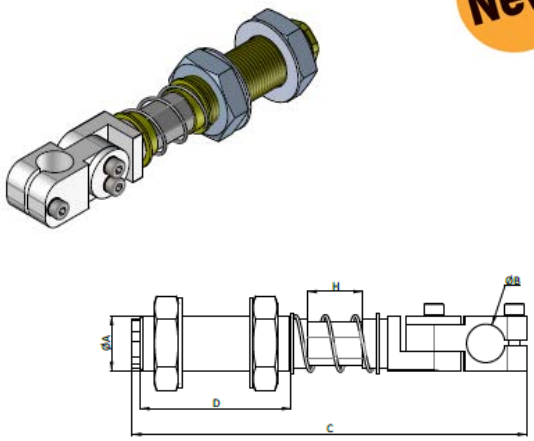
New



	A	B	C	D	H	
CA.SAM.141510	14	10	106	32	15	58 g
CA.SAM.144010			131	32	40	62 g
CA.SAM.202514	20	14	144	55	25	149 g
CA.SAM.202520		20	157			164 g
CA.SAM.205014		14	169	55	50	156 g
CA.SAM.205020		20	182			169 g

Threaded-body

New

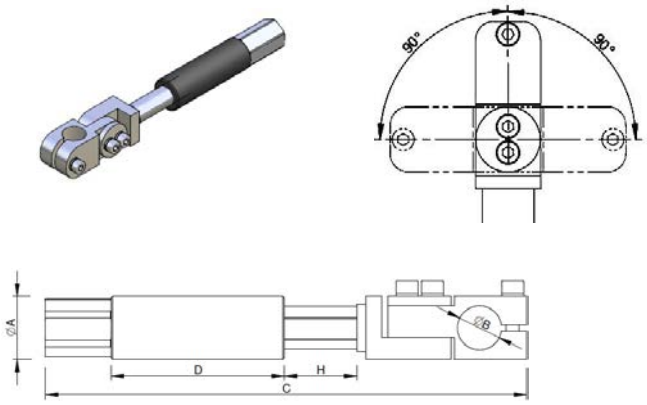


	A	B	C	D	H	
CA.SAMG.141510	14	10	106	32	15	69 g
CA.SAMG.202514	20	14	144	55	25	183 g
CA.SAMG.202520	20	20	157	55	25	198 g

M* = suitable for / passend für / applicabile a / convient à / apto para

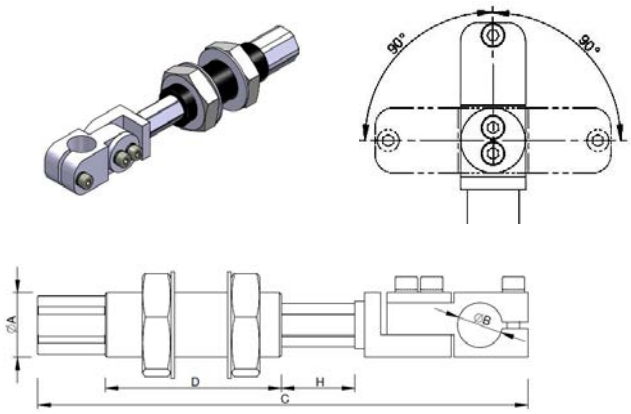
Suspension With Swivel For Grippers

Smooth-body



	A	B	C	D	H	F(N)	
CA.SMN.142010	14	10	128	42	20	8.9	43 g
CA.SMN.143510			160	60	35	9.5	50 g
CA.SMN.202514	20	14	153	55	25	11	95 g
CA.SMN.202520		20	166				111 g
CA.SMN.205014		14	208	82	50	11.4	115 g
CA.SMN.205020		20	219				130 g

Threaded-body

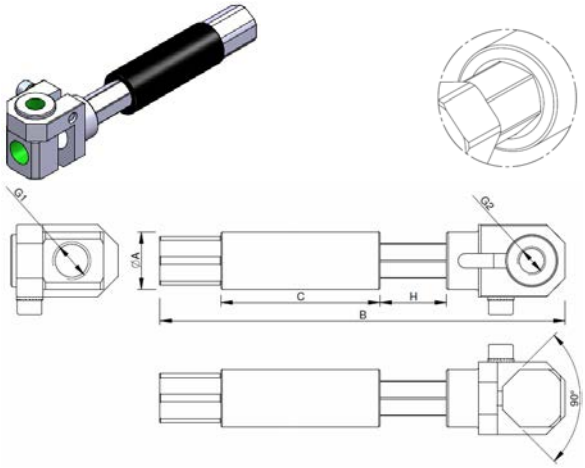


	A	B	C	D	H	F(N)	
CA.SMNG.142010	M14X1.5	10	128	42	20	8.9	55 g
CA.SMNG.143510			160	60	35	9.5	61 g
CA.SMNG.202514	M20X1.5	14	153	55	25	11	130 g
CA.SMNG.205014			206	82	50	11.4	149 g
CA.SMNG.205020		20	221	82	50	11.4	162 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

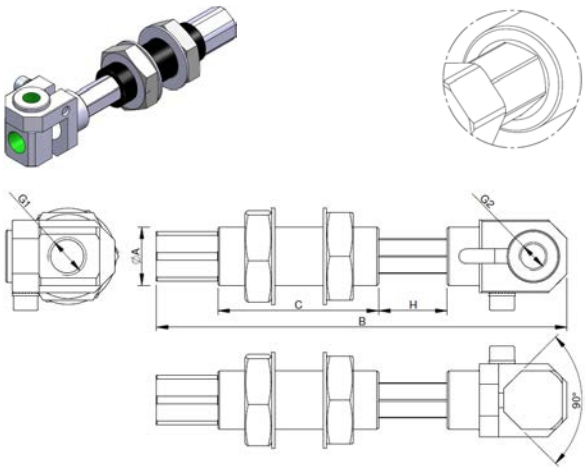
Non Rotative Suspension With Swivel Head

Smooth-body



	A	B	C	G1	G2	H	F(N)	
CA.SSN.10100505	10	78	26	M5	M5	10	3.6	20 g
CA.SSN.10250505		108	41			25	3.7	23 g
CA.SSN.14201818	14	116	42	G 1/8	G 1/8	20	8.9	45 g
CA.SSN.14351818		148	60			35	9.5	51 g
CA.SSN.20251418	20	140	55	G 1/4		25	11	102 g
CA.SSN.20501418		193	82			50	11.4	121 g
CA.SSN.20251818		140	55	G 1/8		25	11	103 g
CA.SSN.20501818		193	82			50	11.4	122 g

Threaded-body

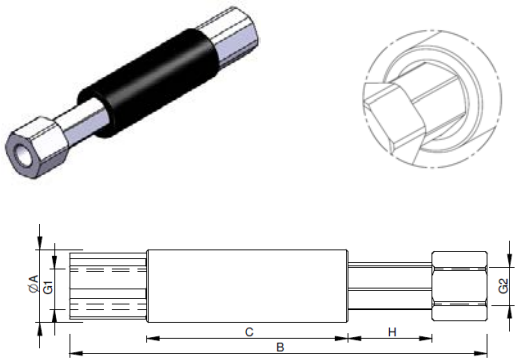


	A	B	C	G1	G2	H	F(N)	
CA.SSNG.10100505	M10X1	78	26	M5	M5	10	3.6	25 g
CA.SSNG.10250505		108	41			25	3.7	28 g
CA.SSNG.14201818	M14X1.5	116	42	G 1/8	G 1/8	20	8.9	56 g
CA.SSNG.14351818		148	60			35	9.5	62 g
CA.SSNG.20251418	M20X1.5	140	55	G 1/4		25	11	136 g
CA.SSNG.20501418		193	82			50	11.4	154 g
CA.SSNG.20251818		140	55	G 1/8		25	11	137 g
CA.SSNG.20501818		193	82			50	11.4	156 g

M* = suitable for / passend für / applicabile a / convient à / apto para

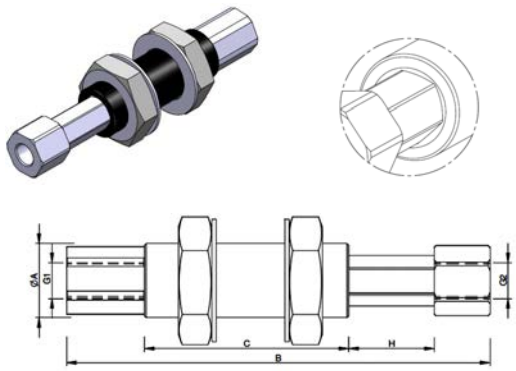
Non Rotative Suspension

Smooth-body



	A	B	C	G1	G2	H	F(N)	
CA.SDN.1010	10	61	26	M5	M5	10	3.6	8 g
CA.SDN.1025		91	41			25	3.7	11 g
CA.SDN.1420	14	103	42	G 1/8	G 1/8	20	8.9	25 g
CA.SDN.1435		135	60			35	9.5	32 g
CA.SDN.2025	20	1	55			25	11	63 g
CA.SDN.2050		167	82			50	11.4	81 g
CA.SDN.2025.14		114	55	G 1/4	G1/4	25	11	59 g
CA.SDN.2050.14		161	82			50	11.4	77 g

Threaded-body

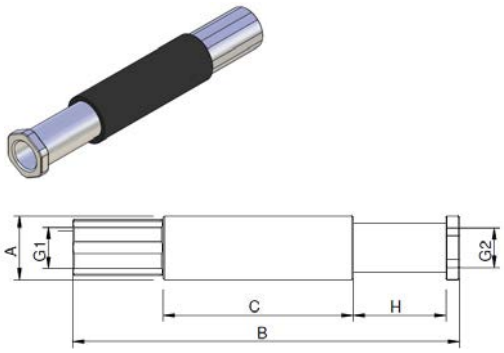


	A	B	C	G1	G2	H	F(N)	
CA.SDNG.1010	M10X1	61	26	M5	M5	10	3.6	13 g
CA.SDNG.1025		91	41			25	3.7	16 g
CA.SDNG.1420	M14X1.5	103	42	G 1/8	G 1/8	20	8.9	36 g
CA.SDNG.1435		135	60			35	9.5	42 g
CA.SDNG.2025	M20X1.5	114	55			25	11	96 g
CA.SDNG.2050		174	82			50	11.4	115 g
CA.SDNG.2025.14		114	55	G 1/4	G1/4	25	11	92 g
CA.SDNG.2050.14		167	82			50	11.4	111 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

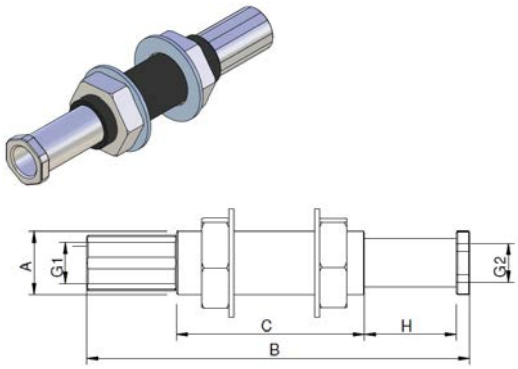
Rotative Suspension

Smooth-body



	A	B	C	G1	G2	H	F(N)	
CA.SDR.1010	10	51	20	M5	M5	10	3.6	7 g
CA.SDR.1025		86	40			25	3.7	11 g
CA.SDR.1420	14	85	42	G 1/8	G 1/8	20	8.9	19 g
CA.SDR.1435		120	62			35	9.5	26 g
CA.SDR.2025	20	97	47			25	11	54 g
CA.SDR.2050		147	72		M10	50	11.4	74 g
CA.SDR.2025.14		107	47	G1/4	G1/4	25	11	56 g
CA.SDR.2050.14		157	72			50	11.4	76 g

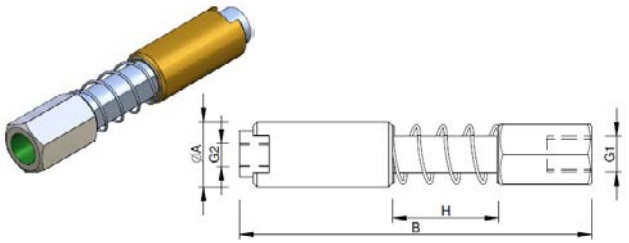
Threaded-body



	A	B	C	G1	G2	H	F(N)	
CA.SDRG.1010	M10X1	51	20	M5	M5	10	3.6	12 g
CA.SDRG.1025		86	40			25	3.7	16 g
CA.SDRG.1420	M14X1.5	85	42	G 1/8	G 1/8	20	8.9	30 g
CA.SDRG.1435		120	62			35	9.5	37 g
CA.SDRG.1620	M16X1	85				20	8.9	37 g
CA.SDRG.2025	M20X1.5	97	47			25	11	88 g
CA.SDRG.2050		147	72			50	11.4	108 g
CA.SDRG.2025.14		107	47	G1/4	G1/4	25	11	90 g
CA.SDRG.2050.14		157	72			50	11.4	110 g

Non Rotative Suspension

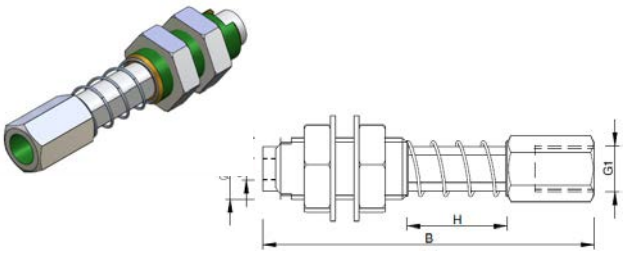
Smooth-body



	A	B	G1	G2	H	F(N)	
CA.05.02.002	Ø 20	125	G 1/4	G 1/8	48	16.6	155 g
CA.05.02.004		100			25	18.4	135 g
CA.05.02.009	Ø 10	69	M5	M5	20	3.4	26 g
CA.05.02.009.6N						6	
CA.05.02.010		59			10	4.8	23 g
CA.05.02.010.6N						6	
CA.05.02.011	Ø 14	100	G 1/8		38	23.3	63 g
CA.05.02.012		76			17	20.7	52 g

	A	B	G1	G2	H	F(N)	
CA.05.02.006	Ø 12	59	M5	M5	10	16.6	31 g
CA.05.02.005		69			20	18.4	33 g
CA.05.02.008		67	G 1/8	M5	10	16.6	34 g
CA.05.02.007		77			20	18.4	36 g
CA.05.02.001	Ø 16	100	G 1/8	M5	38	23.3	76 g
CA.05.02.003		76			17	20.7	64 g

Threaded-body

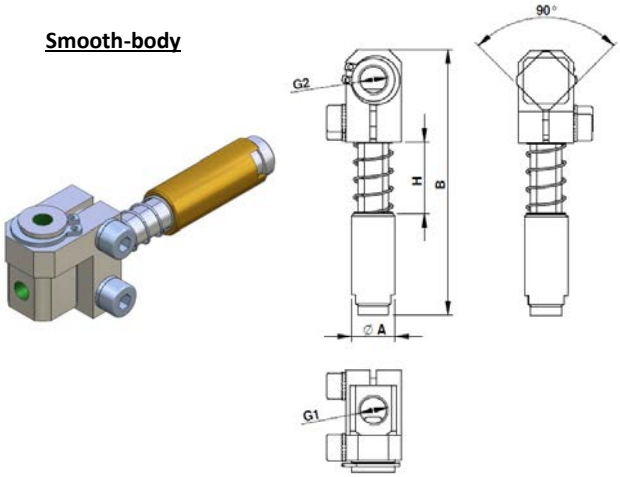


	A	B	G1	G2	H	F(N)	
CA.05.01.001	M14x1.5	100	G 1/8	M5	38	23.2	71 g
CA.05.01.002	M20x1.5	125	G 1/4	G 1/8	48	16.7	189 g
CA.05.01.003	M14x1.5	76	G 1/8	M5	17	20.7	58 g
CA.05.01.004	M20x1.5	100	G 1/4	G 1/8	25	18.4	163 g
CA.05.01.005	M10x1	70	M5	M5	20	3.4	36 g
CA.05.01.005.6N						6	
CA.05.01.006		59			10	4.8	33 g
CA.05.01.006.6N						6	
CA.05.01.008	M12X1.25	59	G 1/8		10	6	35 g
CA.05.01.009		77			20	6	40 g
CA.05.01.010	M16x1.5	76			17	20.7	56 g
CA.05.01.011		97			38	23.2	95 g
CA.05.01.50	M14x1.5	123			50	17	81 g
CA.05.01.75		153			75	19	91 g
CA.05.01.100		193			100	18	95 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

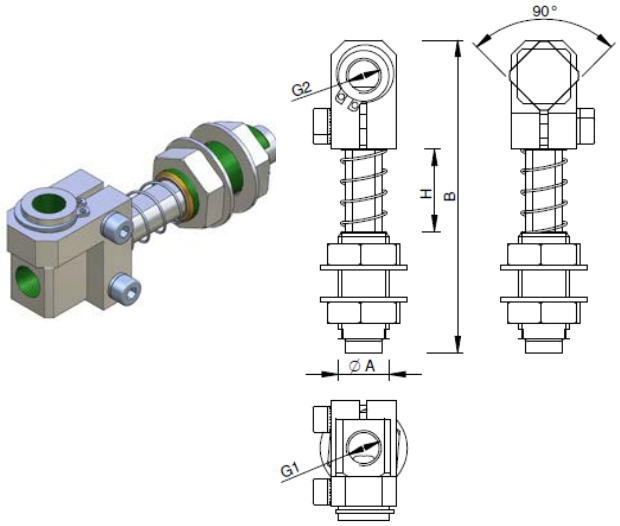
Non Rotative Suspension With Swivel Head

Smooth-body



	A	B	G1	G2	H	F(N)	
CA.GGS100515	Ø 10	69	M5	M5	10	3.6	37 g
CA.GGS100515.6N		69			10	6	37 g
CA.GGS100520		79			20	3.4	40 g
CA.GGS100520.6N		79			20	6	40 g
CA.GGS100530		98			30	8.6	45 g
CA.GGS120515	Ø 12	69			10	6	45 g
CA.GGS141815	Ø 14	86	G 1/8	G 1/8	17	20.7	82 g
CA.GGS141840		110			38	23.3	89 g
CA.GGS161815	Ø 16	86			17	20.7	84 g
CA.GGS161840		110			38	23.3	97 g
CA.GGS201425	Ø 20	116	G 1/4		23	18.4	196 g
CA.GGS201445		141			45	16.7	206 g

Threaded-body

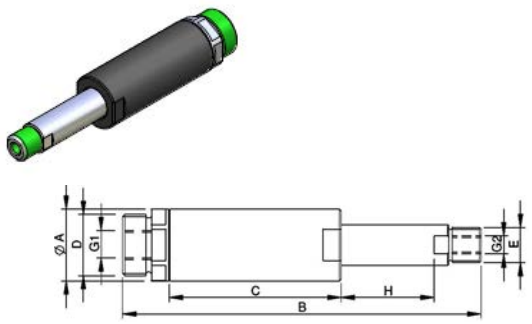


	A	B	G1	G2	H	F(N)	
CA.GGSM100515	M10X1	69	M5	M5	10	3.4	42 g
CA.GGSM100515.6N		69			10	6	42 g
CA.GGSM100520		79			20	3.4	45 g
CA.GGSM100520.6N		79			20	6	45 g
CA.GGSM100530		98			30	8.6	50 g
CA.GGSM141815	M14X1.5	86	G 1/8	G 1/8	17	20.7	85 g
CA.GGSM141840		110			38	23.3	101 g
CA.GGSM201425	M20X1.5	116	G 1/4		23	18.4	216 g
CA.GGSM201445		141			45	16.7	242 g

M* = suitable for / passend für / applicabile a / convient à / apto para

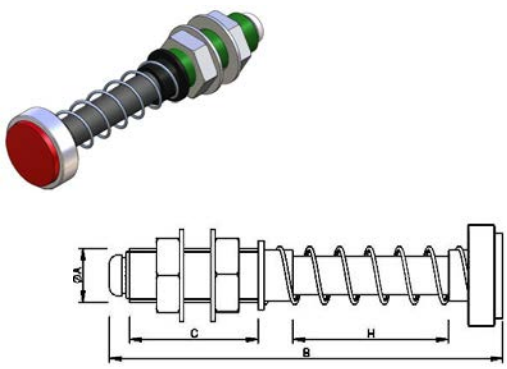
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Telescopic self-retracting suspension



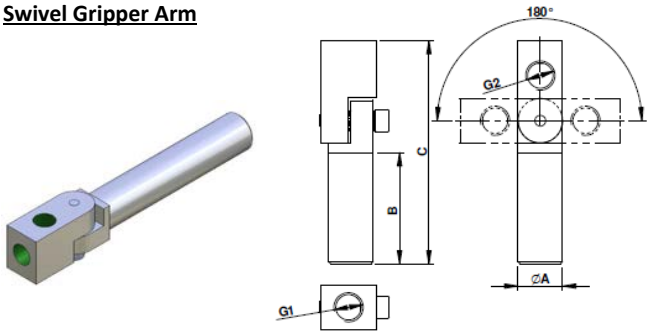
	A	B	C	D	E	G1	G2	H	F(N)	
CA.SAR.2025	20	100	48	M17x1	G 1/8	G 1/8	M5	25	3.6	42 g
CA.SAR.2050		150	73					50	4.2	68 g

Spring rod



	A	B	C	H	
CA.VSX.1440	M14X1.5	101	42	40	47 g

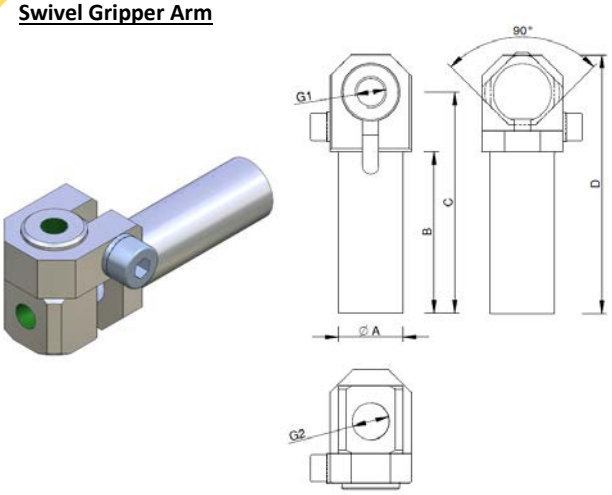
Swivel Gripper Arm



	A	B	C	G1	G2	
CA.GGE.10.M5.M5	10	60	90	M5	M5	22 g
CA.GGE.14.18.18	14	80	120	G 1/8	G 1/8	42 g
CA.GGE.20.14.18	20	100	150	G 1/4		85 g
CA.GGE.20.14.14					G 1/4	84 g
CA.GGE.201414150		150	200			122 g
CA.GGE.201818150				G 1/8	G 1/8	124 g

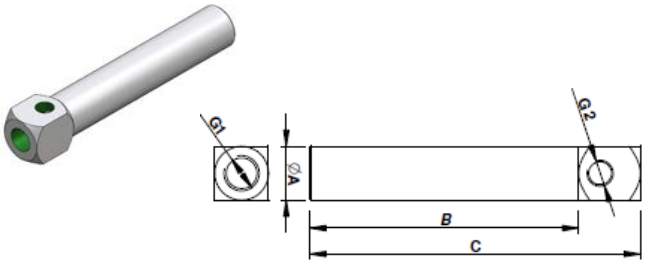
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Swivel Gripper Arm



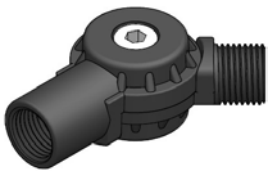
	A	B	C	D	G1	G2	
CA.GGB.10050530	10	30	41	48	M5	M5	14 g
CA.GGB.10050560		60	71	78			17 g
CA.GGB.10050590		90	101	108			20 g
CA.GGB.14181840	14	40	56	65	G 1/8	G 1/8	29 g
CA.GGB.14181880		80	96	105			38 g
CA.GGB.141818120		120	136	145			45 g
CA.GGB.20141850	20	50	68	80	G 1/8	G 1/4	56 g
CA.GGB.201418100		100	118	130			70 g
CA.GGB.201418150		150	168	180			87 g
CA.GGB.20141450		50	68	80	G 1/4		55 g
CA.GGB.201414100		100	118	130			69 g
CA.GGB.201414150		150	168	180			86 g
CA.GGB.20181850		50	68	80	G 1/8	G 1/8	56 g
CA.GGB.201818100		100	118	130			70 g
CA.GGB.201818150		150	168	180			87 g

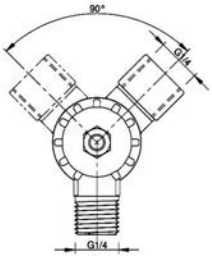
Gripper Arm

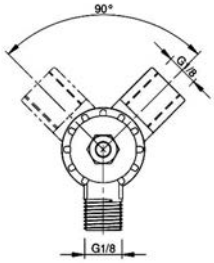


	A	B	C	G1	G2	
CA.GSE.1018M530	10	30	52	G1/8	M5	15 g
CA.GSE.1018M560		60	82			18 g
CA.GSE.1018M590		90	112			25 g
CA.GSE.10M5M530		30	46	M5		9 g
CA.GSE.10M5M560		60	76			15 g
CA.GSE.10M5M590		90	106			24 g
CA.GSE.14181840	14	40	62	G1/8	G1/8	18 g
CA.GSE.14181880		80	102			30 g
CA.GSE.141818120		120	142			43 g
CA.GSE.20141850	20	50	73	G1/4		44 g
CA.GSE.201418100		100	123			63 g
CA.GSE.201418150		150	173			78 g
CA.GSE.30141480	30	80	108		G1/4	155 g
CA.GSE.301414140		140	168			219 g
CA.GSE.301414200		200	228			283 g

Elbow arm

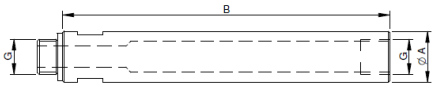






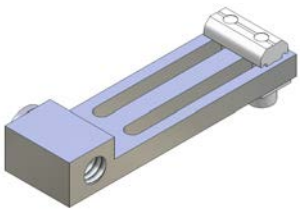
	G1	G2	
CA.07.01.001	G 1/8	G 1/8	7 g
CA.07.01.002	G 1/4	G 1/4	15 g

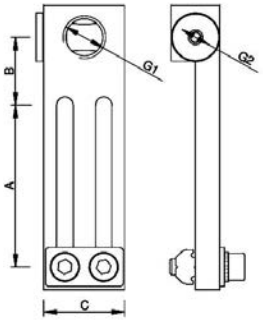
Extension tube with air lead



	A	B	G	
CA.GSEG.100515	10	15	M5	3 g
CA.GSEG.100530		30		6 g
CA.GSEG.100545		45		9 g
CA.GSEG.100590		90		16 g
CA.GSEG.120545	12	45		12 g
CA.GSEG.120590		90		24 g
CA.GSEG.141815	14	15	G1/8	5 g
CA.GSEG.141830		30		10 g
CA.GSEG.141845		45		14 g
CA.GSEG.141890		90		26 g
CA.GSEG.201445	20	45	G1/4	30 g
CA.GSEG.201490		90		58 g

Thread Clamp Adjustable

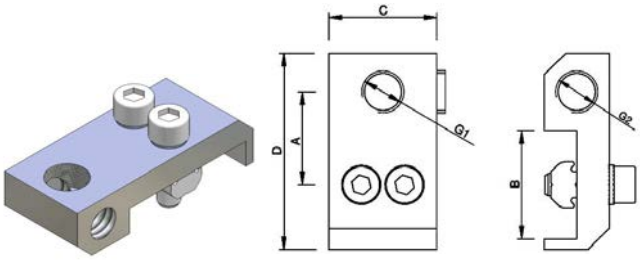




	A	B	C	G1	G2	M*	
CA.WLS.18.M5.X	45	24	25	G 1/8	M5	L/X	65 g
CA.WLS.M5.M5.X	40	14	16	M5	M5	L/X	24 g
CA.WLS.18.18.X	50	21	25	G 1/8	G 1/8	X/JU	65 g
CA.WLS.14.18.X				G 1/4			
CA.WLS.14.14.JU		23			G 1/4	JU	73 g

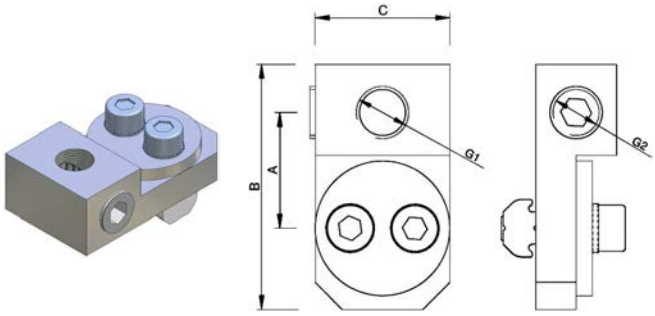
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Threadclamp fixed



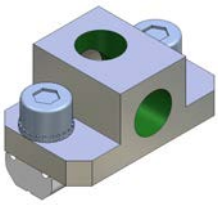
	A	B	C	D	G1	G2	M*	
CA.WSS.L.M5.M5	17	18	16	32	M5	M5	L	18 g
CA.WSS.X.18.18	22	25	25	46	G 1/8	G 1/8	X	46 g
CA.WSS.X.14.18					G 1/4			
CA.WSS.JU.14.18	29	40		60			JU	49 g

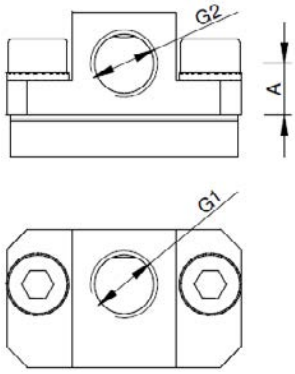
Adjustable connector for Vacuum Cups



	A	B	C	G1	G2	M*	
CA.WSD.L.M5.M5	14	28	16	M5	M5	L	19 g
CA.WSD.X.18.18	21	46	25	G 1/8	G 1/8	X	44 g
CA.WSD.X.14.18				G 1/4			

Clamp for Vacuum Cups

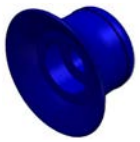




	A	G1	G2	M*	
CA.SGB.5.5.X	4	M5	M5	L	27 g
CA.SGB.18.18.X	7.5	G 1/8	G 1/8	X/JU	35 g
CA.SGB.14.14.X	10	G 1/4	G 1/4		39 g

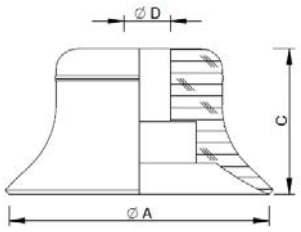
M* = suitable for / passend für / applicabile a / convient à / apto para

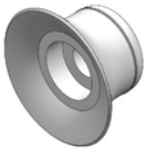
Vacuum Cup with 1 bellow only



HT1 SERIES

	A	C	D	F(N)	
CA.08.29.001	Ø5	6.5	Ø4	0.75	0.2 g
CA.08.29.002	Ø6			1.2	
CA.08.29.003	Ø8	7		2.3	
CA.08.29.004	Ø10	7.5		4	
CA.08.29.005	Ø15	8	Ø4.5	9	
CA.08.29.006	Ø20	10		15.5	
CA.08.29.007	Ø25	14	Ø6	26.5	2.4 g
CA.08.29.008	Ø30	12		34	3.5 g
CA.08.29.009	Ø35	14		44	5.9 g
CA.08.29.010	Ø40			57.7	7.6 g
CA.08.29.011	Ø50	15	Ø8	91	10.6 g
CA.08.29.012	Ø60	18	M10x1.25	125	24.2 g
CA.08.29.013	Ø80	20.5		260	51.2 g



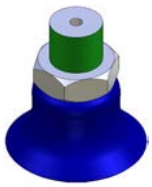


SILICONE SERIES

	A	C	D	F(N)	
CA.08.28.001	Ø5	6.5	Ø4	0.75	1 g
CA.08.28.002	Ø6			1.2	
CA.08.28.003	Ø8	7		2.3	
CA.08.28.004	Ø10	7.5		4	
CA.08.28.005	Ø15	8	Ø4.5	9	
CA.08.28.006	Ø20	10		15.5	
CA.08.28.007	Ø25	14	Ø6	26.5	2 g
CA.08.28.008	Ø30	12		34	3 g
CA.08.28.009	Ø35	14		44	5 g
CA.08.28.010	Ø40			57.7	7 g
CA.08.28.011	Ø50	15	Ø8	91	15 g
CA.08.28.012	Ø60	18	M10x1.25	125	19 g
CA.08.28.013	Ø80	20		260	38 g

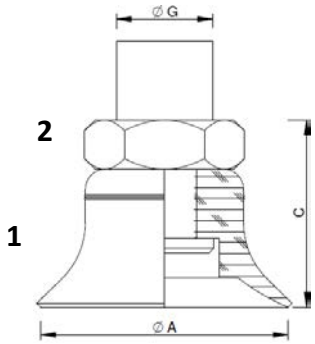
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Vacuum Cup with 1 bellow (complete)



HT1 SERIES

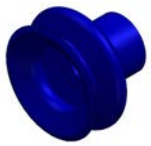
	1	2	A	C	G	
KIT.08.29.D05	CA.08.29.001	CA.08.09.014	Ø5	9.5	M5	5 g
KIT.08.29.D06	CA.08.29.002		Ø6			
KIT.08.29.D08	CA.08.29.003		Ø8	12		
KIT.08.29.D10	CA.08.29.004		Ø10	12.5		6 g
KIT.08.29.D15	CA.08.29.005	CA.08.09.015	Ø15	13.3	G 1/8	
KIT.08.29.D20	CA.08.29.006	CA.08.09.016	Ø20	15		
KIT.08.29.D25	CA.08.29.007	CA.08.09.017	Ø25	19		7 g
KIT.08.29.D30	CA.08.29.008		Ø30	17		8 g
KIT.08.29.D35	CA.08.29.009		Ø35	19		10 g
KIT.08.29.D40	CA.08.29.010		Ø40			12 g
KIT.08.29.D50	CA.08.29.011	CA.08.09.018	Ø50	20		20 g
KIT.08.29.D60	CA.08.29.012	CA.08.09.019	Ø60	23	G 1/4	24 g
KIT.08.29.D80	CA.08.29.013		Ø80	25		43 g



SILICONE SERIES

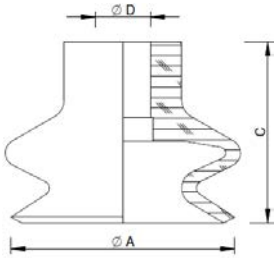
	1	2	A	C	G	
KIT.08.28.D05	CA.08.28.001	CA.08.09.014	Ø5	9.5	M5	6 g
KIT.08.28.D06	CA.08.28.002		Ø6			
KIT.08.28.D08	CA.08.28.003		Ø8	12		
KIT.08.28.D10	CA.08.28.004		Ø10	12.5		
KIT.08.28.D15	CA.08.28.005	CA.08.09.015	Ø15	13.3	G 1/8	
KIT.08.28.D20	CA.08.28.006	CA.08.09.016	Ø20	15		
KIT.08.28.D25	CA.08.28.007	CA.08.09.017	Ø25	19		7 g
KIT.08.28.D30	CA.08.28.008		Ø30	17		8 g
KIT.08.28.D35	CA.08.28.009		Ø35	19		10 g
KIT.08.28.D40	CA.08.28.010		Ø40			12 g
KIT.08.28.D50	CA.08.28.011		Ø50	20		20 g
KIT.08.28.D60	CA.08.28.012	CA.08.09.019	Ø60	23	G 1/4	24 g
KIT.08.28.D80	CA.08.28.013		Ø80	25		43 g

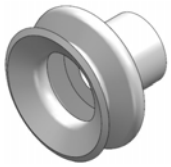
Vacuum Cup with 2 bellows only



HT1 SERIES

	A	C	D	F(N)	
CA.08.31.012	Ø6	9	Ø3.7	0.4	0.2 g
CA.08.31.001	Ø11	16	Ø4.5	1.2	
CA.08.31.002	Ø14			1.2	
CA.08.31.003	Ø16	19.2		2.3	1.2 g
CA.08.31.004	Ø20	15.2	Ø4.5	4.7	1.7 g
CA.08.31.005	Ø22	19		5.7	2 g
CA.08.31.006	Ø25	23		5.3	
CA.08.31.007	Ø33	27	Ø8	13.6	6.8 g
CA.08.31.008	Ø43	27.6		22.8	11 g
CA.08.31.009	Ø53	34		51.3	18.3 g
CA.08.31.010	Ø63			85	23.8 g
CA.08.31.011	Ø78	47	Ø12	137	55.6 g



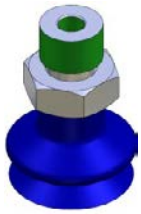


SILICONE SERIES

	A	C	D	F(N)	
CA.08.30.012	Ø6	9	Ø3.7	1.5	1 g
CA.08.30.001	Ø11	16	Ø4.5	1.2	
CA.08.30.002	Ø14			1.2	
CA.08.30.003	Ø16	19		2.3	1 g
CA.08.30.004	Ø20	15	Ø4.5	4.7	1.5 g
CA.08.30.005	Ø23	23		5.3	3 g
CA.08.30.006	Ø25	27	Ø8	13.6	7 g
CA.08.30.007	Ø43	28		23	11 g
CA.08.30.008	Ø53	34		51	19 g
CA.08.30.009	Ø63			85	24 g
CA.08.30.010	Ø78	47	Ø12	137	56 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

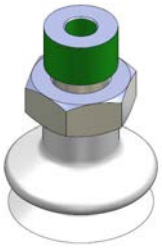
Vacuum Cup with 2 bellows (complete)

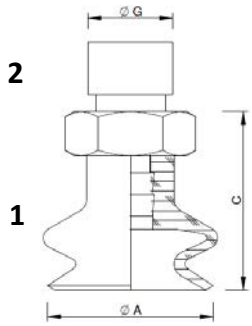


HT1 SERIES

	1	2	A	C	G	
KIT.08.31.D06.14	CA.08.31.012	CA.08.09.014	Ø6	14	M5	2 g
KIT.08.31.D11.4 **KIT.08.31.D11.9**	CA.08.31.001	CA.08.09.004 CA.08.09.009	Ø11	20.5 21	M5 G1/8	2 g 4 g
KIT.08.31.D14.4 **KIT.08.31.D14.9**	CA.08.31.002	CA.08.09.004 CA.08.09.009	Ø14	20.5 21	M5 G1/8	2 g 4 g
KIT.08.31.D16.4 **KIT.08.31.D16.9**	CA.08.31.003	CA.08.09.004 CA.08.09.009	Ø16	23.5 24	M5 G1/8	4 g 6 g
KIT.08.31.D20.4 **KIT.08.31.D20.9**	CA.08.31.004	CA.08.09.004 CA.08.09.009	Ø20	20.5 21	M5 G1/8	5 g 7 g
KIT.08.31.D22.4 **KIT.08.31.D22.9**	CA.08.31.005	CA.08.09.004 CA.08.09.009	Ø22	20.5 21	M5 G1/8	6 g 8 g
KIT.08.31.D25.4 **KIT.08.31.D25.9**	CA.08.31.006	CA.08.09.004 CA.08.09.009	Ø25	27.5 28	M5 G1/8	6 g 8 g
KIT.08.31.D33.11 **KIT.08.31.D33.21**	CA.08.31.007	CA.08.09.011 CA.08.09.021	Ø33	33.5 31.5	G1/8 G1/4	11 g 15 g
KIT.08.31.D43.11 **KIT.08.31.D43.21**	CA.08.31.008	CA.08.09.011 CA.08.09.021	Ø43	34 32	G1/8 G1/4	16 g 20 g
KIT.08.31.D53.11 **KIT.08.31.D53.21**	CA.08.31.009	CA.08.09.011 CA.08.09.021	Ø53	40.5 38	G1/8 G1/4	22 g 26 g
KIT.08.31.D63.21	CA.08.31.010	CA.08.09.021	Ø63	38	G1/4	31 g
KIT.08.31.D78.24	CA.08.31.011	CA.08.09.024	Ø78	52.8		47 g

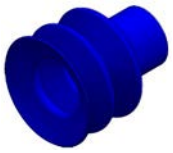
SILICONE SERIES





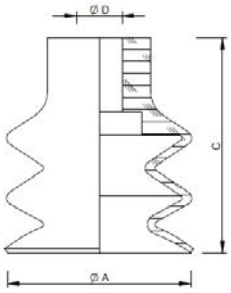
	1	2	A	C	G	
KIT.08.30.D06.14	CA.08.30.012	CA.08.09.014	Ø6	14	M5	2 g
KIT.08.30.D11.4 **KIT.08.30.D11.9**	CA.08.30.001	CA.08.09.004 CA.08.09.009	Ø11	20.5 21	M5 G1/8	2 g 4 g
KIT.08.30.D14.4 **KIT.08.30.D14.9**	CA.08.30.002	CA.08.09.004 CA.08.09.009	Ø14	20.5 21	M5 G1/8	2 g 4 g
KIT.08.30.D16.4 **KIT.08.30.D16.9**	CA.08.30.003	CA.08.09.004 CA.08.09.009	Ø16	23.5 24	M5 G1/8	4 g 6 g
KIT.08.30.D20.4 **KIT.08.30.D20.9**	CA.08.30.004	CA.08.09.004 CA.08.09.009	Ø20	20.5 21	M5 G1/8	5 g 7 g
KIT.08.30.D25.4 **KIT.08.30.D25.9**	CA.08.30.005	CA.08.09.004 CA.08.09.009	Ø25	27.5 28	M5 G1/8	6 g 8 g
KIT.08.30.D33.11 **KIT.08.30.D33.21**	CA.08.30.006	CA.08.09.011 CA.08.09.021	Ø33	33.5 31.5	G1/8 G1/4	11 g 15 g
KIT.08.30.D43.11 **KIT.08.30.D43.21**	CA.08.30.007	CA.08.09.011 CA.08.09.021	Ø43	34 32	G1/8 G1/4	16 g 20 g
KIT.08.30.D53.11 **KIT.08.30.D53.21**	CA.08.30.008	CA.08.09.011 CA.08.09.021	Ø53	40.5 38	G1/8 G1/4	22 g 26 g
KIT.08.30.D63.11 **KIT.08.30.D63.21**	CA.08.30.009	CA.08.09.011 CA.08.09.021	Ø63	40.5 38	G1/8 G1/4	27 g 31 g
KIT.08.30.D78.24	CA.08.30.010	CA.08.09.024	Ø78	52.8	G1/4	47 g

Vacuum Cup with 3 bellows only



HT1 SERIES

	A	C	D	F(N)	
CA.08.32.D09	Ø9	15	Ø4	0.7	2 g
CA.08.32.D12	Ø12	21		0.9	3 g
CA.08.32.D14	Ø14	23		1.2	4 g
CA.08.32.D20	Ø20	22		3.8	6 g
CA.08.32.D25	Ø25	34		4.5	7 g
CA.08.32.D32	Ø32	37	Ø8	12	8 g
CA.08.32.D42	Ø42	46		13.6	10 g
CA.08.32.D52	Ø52	49		28.5	25 g
CA.08.32.D62	Ø62	54		41	39 g



SILICONE SERIES

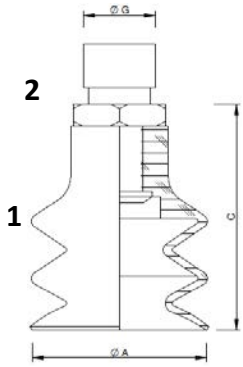
	A	C	D	F(N)	
CA.08.33.D5	Ø5	14	Ø3.5	0.15	1 g
CA.08.33.D7	Ø7		Ø4	0.1	
CA.08.33.D9	Ø9	15		0.68	2 g
CA.08.33.D12	Ø12	21		0.9	3 g
CA.08.33.D14	Ø14	23		1.2	4 g
CA.08.33.D20	Ø20	22		3.8	6 g
CA.08.33.D25	Ø25	34		4.5	7 g
CA.08.33.D32	Ø32	37	Ø8	12.0	8 g
CA.08.33.D42	Ø42	46		13.6	10 g
CA.08.33.D52	Ø52	49		27	20 g
CA.08.33.D60	Ø60	55		32	60 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Vacuum Cup with 3 bellows (complete)

HT1 SERIES

	1	2	A	C	G	
KIT.08.32.D09.26	CA.08.32.D09	CA.08.09.026	Ø9	20	M5	3 g
KIT.08.32.D12.4 **KIT.08.32.D12.9**	CA.08.32.D12	CA.08.09.004 CA.08.09.009	Ø12	25.5 26	M5 G1/8	4 g 6 g
KIT.08.32.D14.4 **KIT.08.32.D14.9**	CA.08.32.D14	CA.08.09.004 CA.08.09.009	Ø14	27.5 28	M5 G1/8	5 g 7 g
KIT.08.32.D20.4 **KIT.08.32.D20.9**	CA.08.32.D20	CA.08.09.004 CA.08.09.009	Ø20	26.5 27	M5 G1/8	10 g 12 g
KIT.08.32.D25.4 **KIT.08.32.D25.9**	CA.08.32.D25	CA.08.09.004 CA.08.09.009	Ø25	38.5 39	M5 G1/8	11 g 13 g
KIT.08.32.D32.11 **KIT.08.32.D32.21**	CA.08.32.D32	CA.08.09.011 CA.08.09.021	Ø32	43.3 41	G1/8 G1/4	12 g14 g
KIT.08.32.D42.11 **KIT.08.32.D42.21**	CA.08.32.D42	CA.08.09.011 CA.08.09.021	Ø42	52.3 50	G1/8 G1/4	14 g 18 g
KIT.08.32.D52.21	CA.08.32.D52	CA.08.09.021	Ø52	64	G1/4	33 g
KIT.08.32.D62.21	CA.08.32.D62		Ø62	59		50 g



SILICONE SERIES

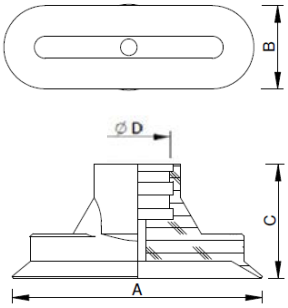
	1	2	A	C	G	
KIT.08.33.D5.25	CA.08.33.D5	CA.08.09.025	Ø5	18.5	M5	2 g
KIT.08.33.D7.26	CA.08.33.D7	CA.08.09.026	Ø7	19		
KIT.08.33.D9.26	CA.08.33.D9	CA.08.09.026	Ø9	20		3 g
KIT.08.33.D12.4 **KIT.08.33.D12.9**	CA.08.33.D12	CA.08.09.004 CA.08.09.009	Ø12	25.5 26	M5 G1/8	4 g 6 g
KIT.08.33.D14.4 **KIT.08.33.D14.9**	CA.08.33.D14	CA.08.09.004 CA.08.09.009	Ø14	27.5 28	M5 G1/8	5 g 7 g
KIT.08.33.D20.4 **KIT.08.33.D20.9**	CA.08.33.D20	CA.08.09.004 CA.08.09.009	Ø20	26.5 27	M5 G1/8	10 g 12 g
KIT.08.33.D25.4 **KIT.08.33.D25.9**	CA.08.33.D25	CA.08.09.004 CA.08.09.009	Ø25	38.5 39	M5 G1/8	11 g 13 g
KIT.08.33.D32.11 **KIT.08.33.D32.21**	CA.08.33.D32	CA.08.09.011 CA.08.09.021	Ø32	43.3 41	G1/8 G1/4	12 g 16 g
KIT.08.33.D42.11 **KIT.08.33.D42.21**	CA.08.33.D42	CA.08.09.011 CA.08.09.021	Ø42	52.3 50	G1/8 G1/4	14 g 18 g
KIT.08.33.D52.11 **KIT.08.33.D52.21**	CA.08.33.D52	CA.08.09.011 CA.08.09.021	Ø52	55.3 53	G1/8 G1/4	24 g 28 g
KIT.08.33.D60.21	CA.08.33.D60	CA.08.09.021	Ø60	59	G1/4	68 g

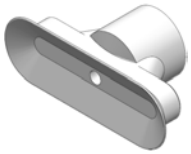
M* = suitable for / passend für / applicabile a / convient à / apto para

Vacuum Cup oval only

HT1 SERIES

	A	B	C	D	F(N)	
CA.08.39.001	12	4	15	Ø4	1.8	0.5 g
CA.08.39.002	15	5	12	Ø4.5	3.1	
CA.08.39.003	18	6			4.5	
CA.08.39.004	24	8		Ø7	8	1.0 g
CA.08.39.005	30	10			12.2	1.1 g
CA.08.39.006	45	15	21	Ø13	28.2	3.4 g
CA.08.39.007	60	20			50.1	6.4 g
CA.08.39.008	75	25			78.3	17.9 g



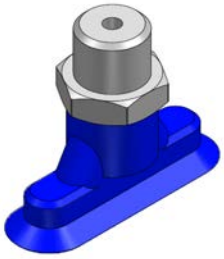


SILICONE SERIES

	A	B	C	D	F(N)	
CA.08.40.001	12	4	15	Ø4	1.8	0.5 g
CA.08.40.002	15	5	12	Ø4.5	3.1	
CA.08.40.003	18	6			4.5	
CA.08.40.004	24	8		Ø7	8	1.0 g
CA.08.40.005	30	10			12.2	1.1 g
CA.08.40.006	45	15	21	Ø13	28.2	3.4 g
CA.08.40.007	60	20			50.1	6.4 g
CA.08.40.008	75	25			78.3	17.8 g

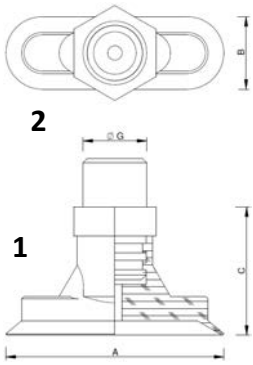
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

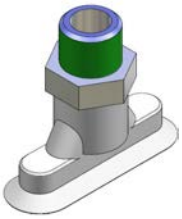
Vacuum Cup oval (complete)



HT1 SERIES

	1	2	A	B	C	G	
KIT.08.39.L12.40	CA.08.39.001	CA.08.09.040	12	4	18	M5	2.9 g
KIT.08.39.L15.28	CA.08.39.002	CA.08.09.028	15	5	17		3.4 g
KIT.08.39.L18.28	CA.08.39.003		18	6	17		3.7 g
KIT.08.39.L24.27	CA.08.39.004	CA.08.09.027	24	8	17	G 1/8	6.7 g
KIT.08.39.L30.27	CA.08.39.005		30	10	17		6.8 g
KIT.08.39.L45.41	CA.08.39.006	CA.08.09.041	45	15	26	G 1/4	14.8 g
KIT.08.39.L60.41	CA.08.39.007		60	20	26		19 g
KIT.08.39.L75.41	CA.08.39.008		75	25	26		26.9 g

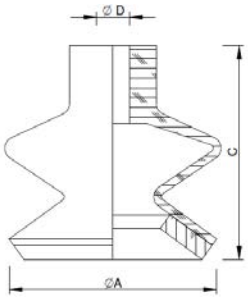


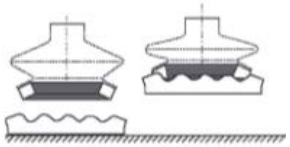


SILICONE SERIES

	1	2	A	B	C	G	
KIT.08.40.L12.40	CA.08.40.001	CA.08.09.040	12	4	18	M5	2.9 g
KIT.08.40.L15.28	CA.08.40.002	CA.08.09.028	15	5	17		3.4 g
KIT.08.40.L18.28	CA.08.40.003		18	6	17		3.7 g
KIT.08.40.L24.27	CA.08.40.004	CA.08.09.027	24	8	17	G 1/8	6.7 g
KIT.08.40.L30.27	CA.08.40.005		30	10	17		6.8 g
KIT.08.40.L45.41	CA.08.40.006	CA.08.09.041	45	15	26	G 1/4	14.8 g
KIT.08.40.L60.41	CA.08.40.007		60	20	26		19 g
KIT.08.40.L75.41	CA.08.40.008		75	25	26		26.9 g

Vacuum Cup with 2 bellows and foam strip

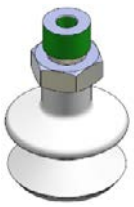


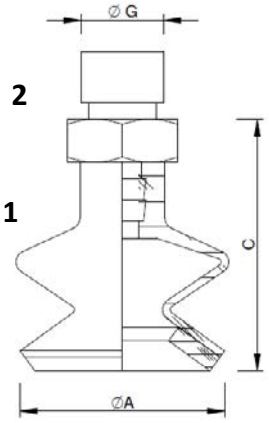


SILICONE SERIES

	A	C	D	F(N)	
CA.08.26.D16.AS	Ø16	21	Ø3.8	7	2 g
CA.08.26.D20.AS	Ø20	18		9	
CA.08.26.D25.AS	Ø25	25		11	3 g
CA.08.26.D33.AS	Ø33	29	Ø8	19.2	7 g
CA.08.26.D43.AS	Ø43	32		28	13 g
CA.08.26.D53.AS	Ø53	38		59	22 g
CA.08.26.D63.AS	Ø63	37		82	26 g
CA.08.26.D78.AS	Ø78	51	Ø12	152	51 g

Vacuum Cup with 2 bellows and foam strip (complete)

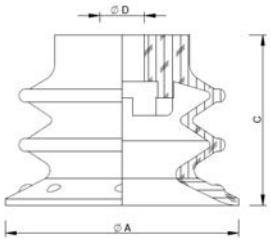




	1	2	A	C	G	
KIT.08.26.D16.4 **KIT.08.26.D16.9**	CA.08.26.D16.AS	CA.08.09.004 CA.08.09.009	Ø16	25.5 26	M5 G 1/8	3 g 6 g
KIT.08.26.D20.4 **KIT.08.26.D20.9**	CA.08.26.D20.AS	CA.08.09.004 CA.08.09.009	Ø20	22.5 23	M5 G 1/8	3 g 6 g
KIT.08.26.D25.4 **KIT.08.26.D25.9**	CA.08.26.D25.AS	CA.08.09.004 CA.08.09.009	Ø25	29.5 30	M5 G 1/8	4 g 6 g
KIT.08.26.D33.11 **KIT.08.26.D33.21**	CA.08.26.D33.AS	CA.08.09.011 CA.08.09.021	Ø33	35.3 33	G 1/8 G 1/4	11 g 15 g
KIT.08.26.D43.11 **KIT.08.26.D43.21**	CA.08.26.D43.AS	CA.08.09.011 CA.08.09.021	Ø43	38.3 36	G 1/8 G 1/4	17 g 21 g
KIT.08.26.D53.11 **KIT.08.26.D53.21**	CA.08.26.D53.AS	CA.08.09.011 CA.08.09.021	Ø53	44.3 42	G 1/8 G 1/4	26 g 30 g
KIT.08.26.D63.11 **KIT.08.26.D63.21**	CA.08.26.D63.AS	CA.08.09.011 CA.08.09.021	Ø63	43.3 41	G 1/8 G 1/4	30 g 34 g
KIT.08.26.D78.24	CA.08.26.D78.AS	CA.08.09.024	Ø78	57	G 1/4	57 g

For any further information, please refer to drawings on www.fps-eoat.it Drawings not to scale

Vacuum Cup with 3 bellows only



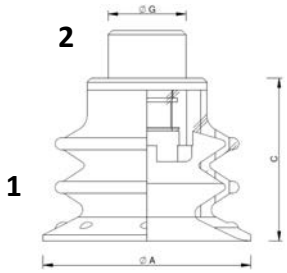
Yellow 30 Shore

Green 60 Shore

POLYURETHANE SERIES

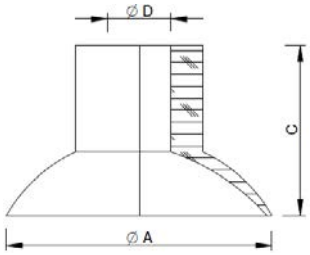
	Sh	A	C	D	Cod. PIAB	F(N)	
CA.08.36.D10	30/60	Ø10	16.5	Ø3.8	0118329	3.7	1 g
CA.08.36.D10.60	60				0122966		
CA.08.36.D15	30/60	Ø15	18.5		0118505	4.5	
CA.08.36.D15.60	60				0124237	6	
CA.08.36.D20	30/60	Ø20	16.2	Ø5	0118507		
CA.08.36.D20.60	60				0124249	9.5	
CA.08.36.D25	30/60	Ø25	19		0109006	18	3 g
CA.08.36.D25.60	60				0108240		
CA.08.36.D35	30/60	Ø35	26.8	Ø6.5	0106292	28	8 g
CA.08.36.D35.60	60				0107477	30	
CA.08.36.D52	30/60	Ø52	39	Ø12	0104529	75	24 g
CA.08.36.D52.60	60				0107381	80	
CA.08.36.D75	30/60	Ø75	51.7	/	0107145	141	71 g
CA.08.36.D75.60	60			/	0107150	166	

Vacuum Cup with 3 bellows (complete)



	1	2	Cod. PIAB	A	C	G	
KIT.08.36.D10	CA.08.36.D10	CA.08.09.030 3107030	0122869	11	21	M5	2 g
KIT.08.36.D10.60	CA.08.36.D10.60	CA.08.09.030 3107030	0122967				
KIT.08.36.D15	CA.08.36.D15	CA.08.09.030 3107030	0124344	16	23		3 g
KIT.08.36.D15.60	CA.08.36.D15.60	CA.08.09.030 3107030	0124345				
KIT.08.36.D20	CA.08.36.D20	CA.08.09.031 0101152	0125105	20	20.2	G 1/8 M	
KIT.08.36.D20.60	CA.08.36.D20.60	CA.08.09.031 0101152	0125110				
KIT.08.36.D25	CA.08.36.D25	CA.08.09.032 3250004	0109402	25	25	M5 F	5 g
KIT.08.36.D25.60	CA.08.36.D25.60	CA.08.09.032 3250004	0109398				65 g
KIT.08.36.D35.1 **KIT.08.36.D35.2**	CA.08.36.D35	CA.08.09.033 0200714 CA.08.09.034 3250091	9912151 0114449	35	32.8	G 1/8 M G 1/4 M	10 g 13 g
KIT.08.36.D35.60	CA.08.36.D35.60	CA.08.09.034 3250091	9912152			G 1/4 M	13 g
KIT.08.36.D52	CA.08.36.D52	CA.08.09.035 3250092	0106045	52	45		35 g
KIT.08.36.D52.60	CA.08.36.D52.60	CA.08.09.035 3250092	0107385				
KIT.08.36.D75	CA.08.36.D75	CA.08.09.036 0201077	0201073	75	60.4		90 g
KIT.08.36.D75.60	CA.08.36.D75.60	CA.08.09.036 0201077	0101074				

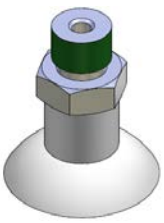
Vacuum Cup with 1 bellow only

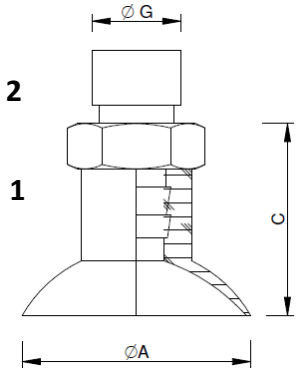


SILICONE SERIES

	A	C	D	F(N)	
CA.08.03.001	Ø6	8	Ø1.5	0.7	1 g
CA.08.03.002	Ø8		Ø3	1.0	
CA.08.03.003	Ø10	11	Ø4	1.7	
CA.08.03.004	Ø12			2.4	
CA.08.03.005	Ø15	12		3.9	2 g
CA.08.03.006	Ø20	13		7.25	
CA.08.03.007	Ø25	16	Ø6	12.2	
CA.08.03.008	Ø30			16.7	3 g
CA.08.03.009	Ø35	17	Ø10	23.0	
CA.08.03.010	Ø45	20		39.0	5 g
CA.08.03.011	Ø60	22		67.1	8 g

Vacuum Cup with 1 bellow (complete)

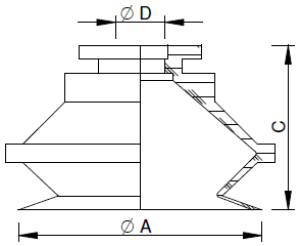




	1	2	A	C	G	
KIT.08.03.D06.5	CA.08.03.001	CA.08.09.005	Ø6	11.5	M5	3 g
KIT.08.03.D08.6	CA.08.03.002	CA.08.09.006	Ø8	10		
KIT.08.03.D10.4 **KIT.08.03.D10.9**	CA.08.03.003	CA.08.09.004 CA.08.09.009	Ø10	14.51 5	M5 G1/8	
KIT.08.03.D12.4 **KIT.08.03.D12.9**	CA.08.03.004	CA.08.09.004 CA.08.09.009	Ø12	15.51 6	M5 G1/8	
KIT.08.03.D15.4 **KIT.08.03.D15.9**	CA.08.03.005	CA.08.09.004 CA.08.09.009	Ø15	16.51 7	M5 G1/8	
KIT.08.03.D20.4 **KIT.08.03.D20.9**	CA.08.03.006	CA.08.09.004 CA.08.09.009	Ø20	17.51 8	M5 G1/8	2 g 4 g
KIT.08.03.D25.10	CA.08.03.007	CA.08.09.010	Ø25	21	G1/8	6 g
KIT.08.03.D30.10	CA.08.03.008		Ø30			7 g
KIT.08.03.D35.11	CA.08.03.009	CA.08.09.011	Ø35	23		
KIT.08.03.D45.11	CA.08.03.010		Ø45	26		9 g
KIT.08.03.D60.11	CA.08.03.011		Ø60	28		12 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

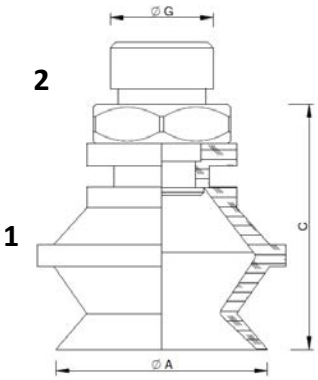
Vacuum Cup with 2 bellows only



SILICONE SERIES

	A	C	D	F(N)	
CA.08.01.001	Ø11	16	Ø4	4.6	1 g
CA.08.01.002	Ø16	19		7.5	2 g
CA.08.01.003	Ø20	19.5	Ø4.8	14.7	3 g
CA.08.01.004	Ø30	27	Ø6	25.5	6 g
CA.08.01.005	Ø40	28	Ø8	48.1	7 g
CA.08.01.006	Ø50	35	Ø10.5	83.3	15 g

Vacuum Cup with 2 bellows (complete)



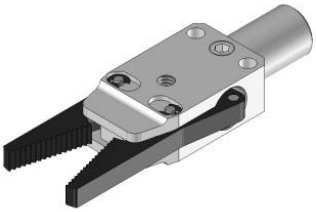
	1	2	A	C	G	
KIT.08.01.D11.4 **KIT.08.01.D11.9**	CA.08.01.001	CA.08.09.004 CA.08.09.009	Ø11	20.5 21	M5 G1/8	2 g 4 g
KIT.08.01.D16.4 **KIT.08.01.D16.9**	CA.08.01.002	CA.08.09.004 CA.08.09.009	Ø16	23.5 24	M5 G1/8	3 g 4 g
KIT.08.01.D20.1	CA.08.01.003	CA.08.09.001.AL	Ø20	23	G1/8	5,5 g
KIT.08.01.D30.2	CA.08.01.004	CA.08.09.002.AL	Ø30	32		18 g
KIT.08.01.D40.2	CA.08.01.005	CA.08.09.037	Ø40	33		19 g
KIT.08.01.D50.3	CA.08.01.006	CA.08.09.003	Ø50	39	G1/4	18 g

Sprue Grippers GZA.10.08

Closing force (6 bar) = 19 N

CA.GZA.10.08

Open 14 mm



CA.GZA.10.08.18

Open 14 mm

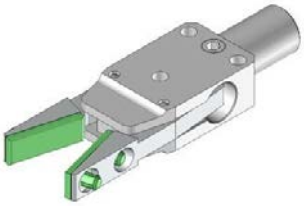
G 1/8

CA.GZA.10.08.19

Open 14 mm

CA.GZA.10.08.G

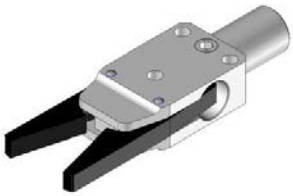
Open 14 mm



Jaws With Pads

CA.GZA.10.08.LL

Open 14 mm



Jaws Without Teeth

CA.GZA.10.08.M50

Open 14 mm

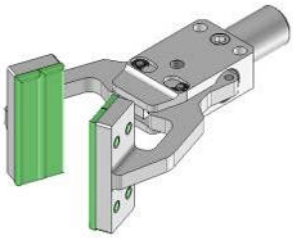
For any further information, please refer to drawings on www.fps-eoat.it Drawings not to scale

Sprue Grippers GZA.10.08

Closing force (6 bar) = 19 N

CA.GZA.10.08.ATG

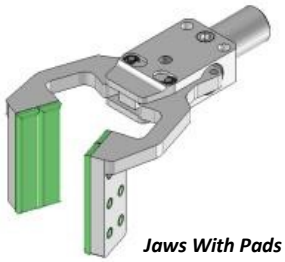
Open 20 mm



Jaws With Pads

CA.GZA.10.08.AHG

Open 20 mm



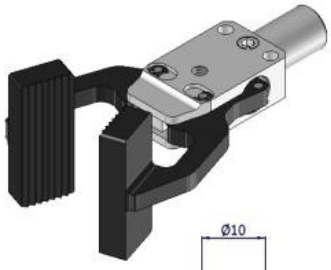
Jaws With Pads

CA.GZA.10.08.AHL

Open 20 mm

CA.GZA.10.08.AHT

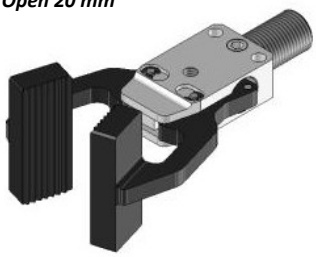
Open 20 mm

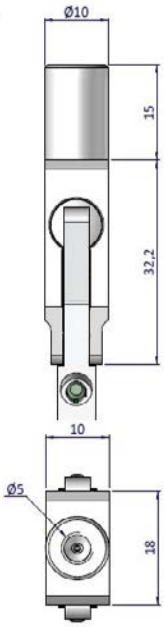


CA.GZA.10.08.FHT

Open 20 mm

G 1/8



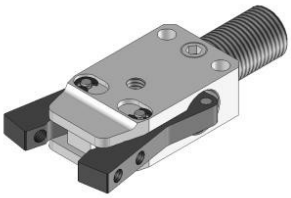


Sprue Grippers GZA.10.08

Closing force (6 bar) = 19 N

CA.GZA.10.08.18C

G 1/8



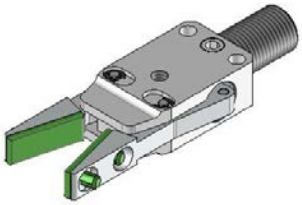
CA.GZA.10.08.AH

Open 14 mm

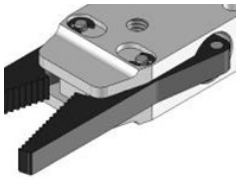
CA.GZA.10.08.18G

Open 14 mm

G 1/8



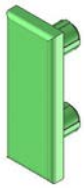
All GZA.10.08 line has the segers in the pins and the magnet in the jaws



Programmable capacitive sensor

Last minute sensor

	Output	Sensor Type	Sensing distance	Connector method	
CA.SCP.1008	PNP	Magnetic sensor	0mm - 50mm	Connector type M8 4pin	65 g
CA.SCP.1012					



GZA.10.08.6.V

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Sprue Grippers GZA.10.12

Closing force (6 bar) = 30 N

CA.GZA.10.12

Open 24 mm

CA.GZA.10.12.14

Open 18 mm

CA.GZA.10.12.18

Open 20 mm

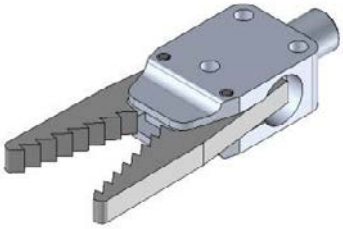
G 1/8

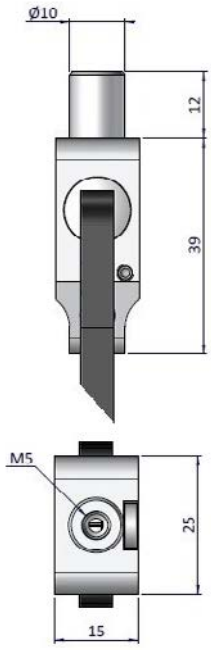
CA.GZA.10.12.18C

G 1/8

CA.GZA.10.12.19

Open 21 mm





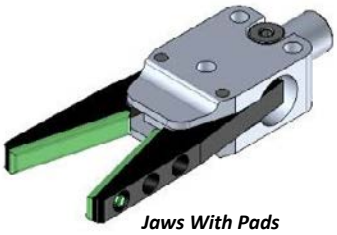
Sprue Grippers GZA.10.12

Closing force (6 bar) = 30 N

CA.GZA.10.12.C

CA.GZA.10.12.G

Open 22 mm



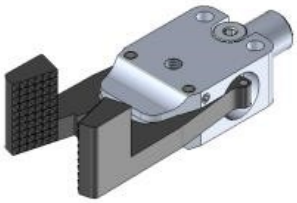
Jaws With Pads

CA.GZA.10.12.L

Open 20 mm

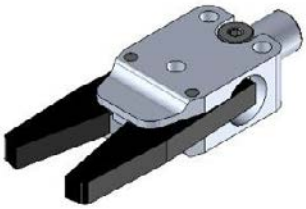
CA.GZA.10.12.L90

Open 19 mm



CA.GZA.10.12.LL

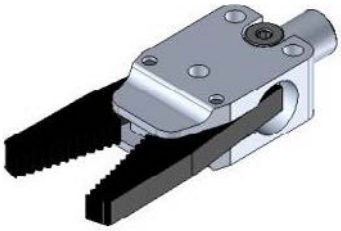
Open 20 mm



Jaws Without Teeth

CA.GZA.10.12.M

Open 20 mm



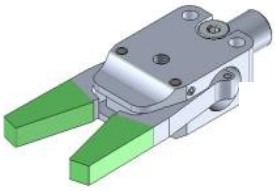
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Sprue Grippers GZA.10.12

Closing force (6 bar) = 30 N

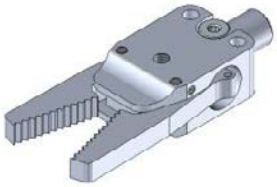
CA.GZA.10.12.MC

Open 19 mm



CA.GZA.10.12.MF

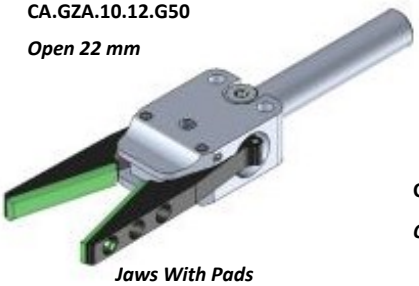
Open 20 mm



Jaws in steel

CA.GZA.10.12.G50

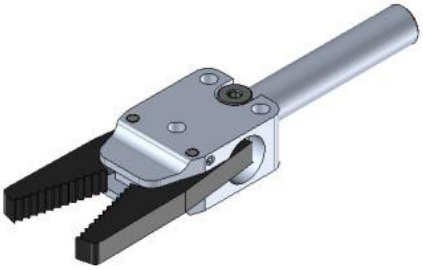
Open 22 mm



Jaws With Pads

CA.GZA.10.12.M50

Open 20 mm



CA.GZA.10.12.AH

Open 20 mm

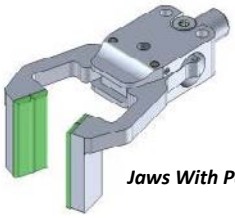
All the GZA.10.12 has the locking screw for dowel pin

Sprue Grippers GZA.10.12

Closing force (6 bar) = 30 N

CA.GZA.10.12.AHG

Open 20 mm



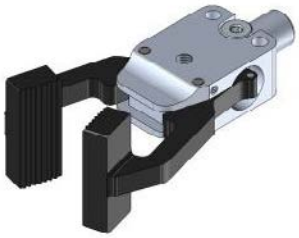
Jaws With Pads

CA.GZA.10.12.AHL

Open 20 mm

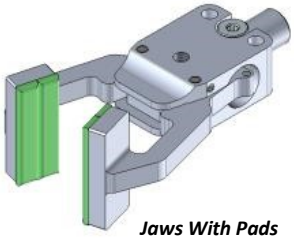
CA.GZA.10.12.AHT

Open 20 mm



CA.GZA.10.12.ATG

Open 20 mm



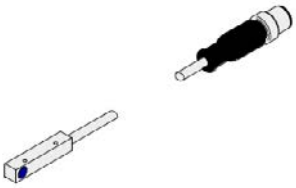
Jaws With Pads

GZA.10.12.6.V

Inductive sensor for GZA.10.12

Normally Open M8 plug connector

MMD.IL5AP3AVF80	PNP
MMD.IL5AN3AVF80	NPN



For any further information, please refer to drawings on www.fps-eoat.it Drawings not to scale

Sprue Grippers GZA.10.12 With sensor

Closing force (6 bar) = 30 N

The sensor is NPN when N is present in the code

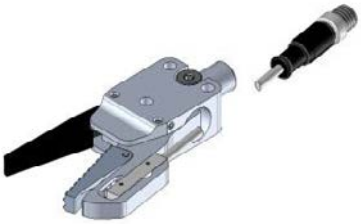
The sensor is PNP when only S -P -SP is present in the code

CA.GZA.10.12.MS/MSN

Open 20 mm

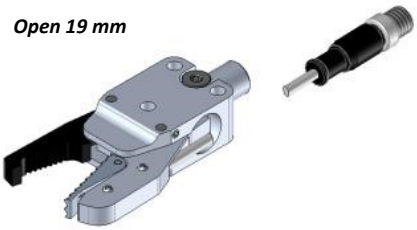
CA.GZA.10.12.S/SN

Open 24 mm



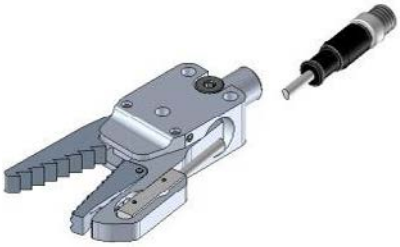
CA.GZA.10.12.S4/S4N

Open 19 mm



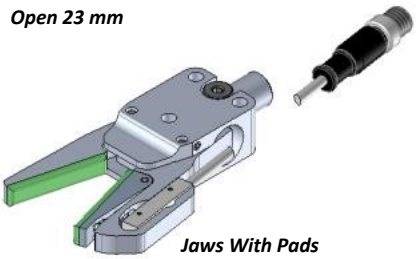
CA.GZA.10.12.S9/S9N

Open 20 mm



CA.GZA.10.12.SG/SGN

Open 23 mm



Jaws With Pads

CA.GZA.10.12.M5P/M5N

Open 20 mm

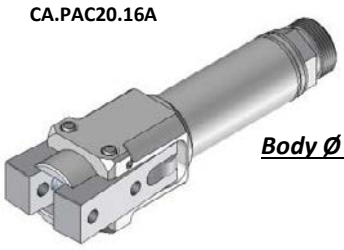
New

Selfcentering Sprue Grippers PAC20.16

Closing force (6 bar) = 90 N

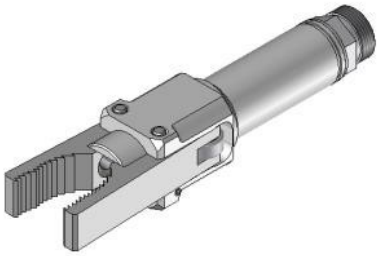
CA.PAC20.16A

M 17 X 1

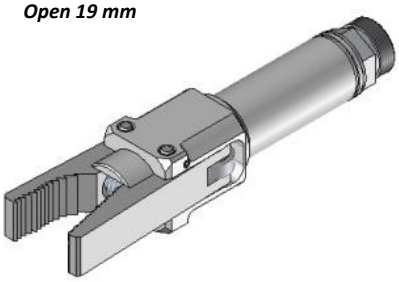


Body Ø 20

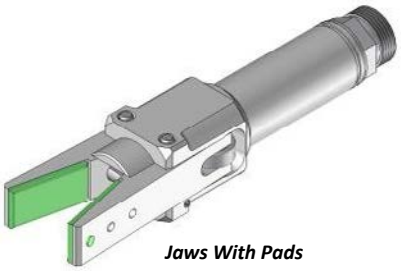
CA.PAC20.16E
Open 19 mm



CA.PAC20.16K
Open 19 mm

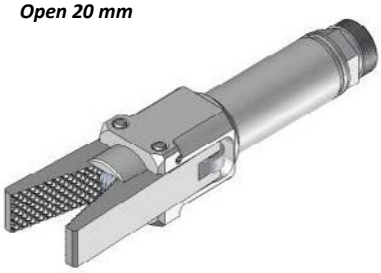


CA.PAC20.16P
Open 20 mm

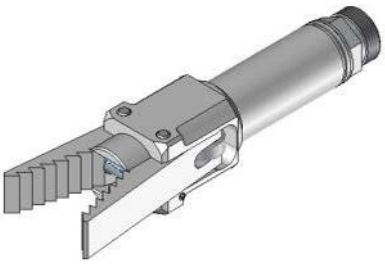


Jaws With Pads

CA.PAC20.16R
Open 20 mm



CA.PAC20.169
Open 24 mm



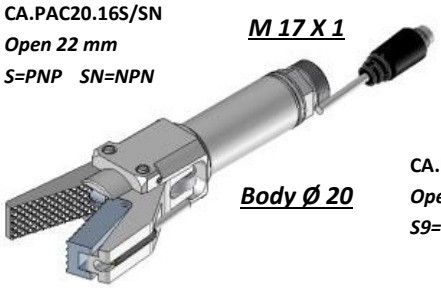
For any further information, please refer to drawings on www.fps-eoat.it Drawings not to scale

Selfcentering Sprue Grippers PAC20.16

Closing force (6 bar) = 90 N

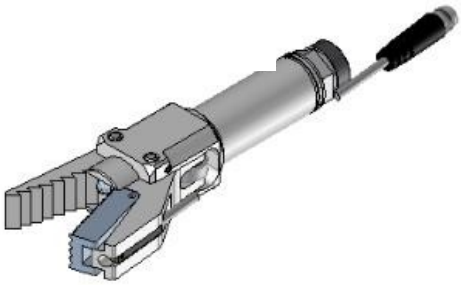
CA.PAC20.16S/SN
Open 22 mm
S=PNP SN=NPN

M 17 X 1

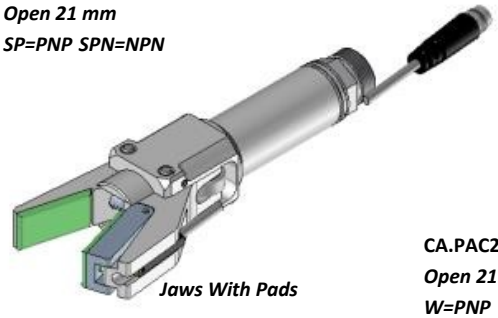


Body Ø 20

CA.PAC20.16S9/S9N
Open 21 mm
S9=PNP S9N=NPN

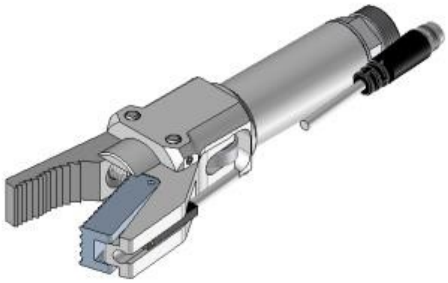


CA.PAC20.16SP/SPN
Open 21 mm
SP=PNP SPN=NPN



Jaws With Pads

CA.PAC20.16W/WN
Open 21 mm
W=PNP WN=NPN



L = 3 m

L = 0,3 m

	Type	
KT58PM8	PNP	M8
KT58P3M	PNP	-
KT58NM8	NPN	M8
KT58N3M	NPN	-

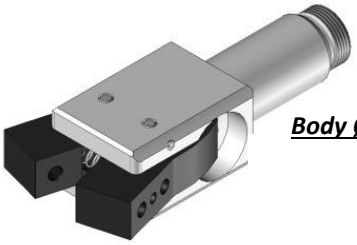
All the PAC20 has the locking screw for dowel pin

Sprue Grippers GRZ.20

Closing force (6 bar) = 90 N

CA.GRZ.20.A

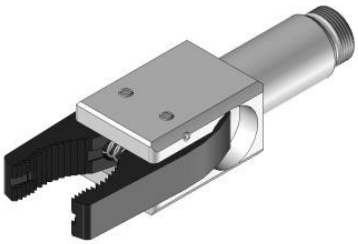
M 17 X 1



Body Ø 20

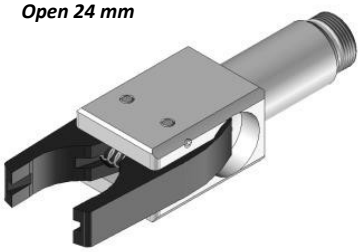
CA.GRZ.20.E

Open 21 mm



CA.GRZ.20.LL

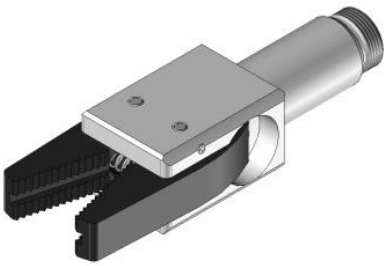
Open 24 mm



Jaws Without Teeth

CA.GRZ.20.R

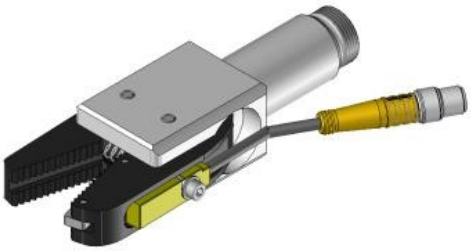
Open 21 mm



CA.GRZ.20.S/SN

Open 21 mm

S=PNP SN=NPN



For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Sprue Grippers GRZ.20

Closing force (6 bar) = 90 N

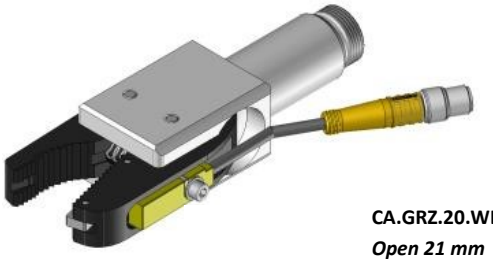
CA.GRZ.20.W/WN

Open 21 mm

W=PNP WN=NPN

M 17 X 1

Body Ø 20



CA.GRZ.20.WL/WLN

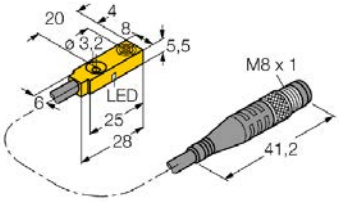
Open 21 mm

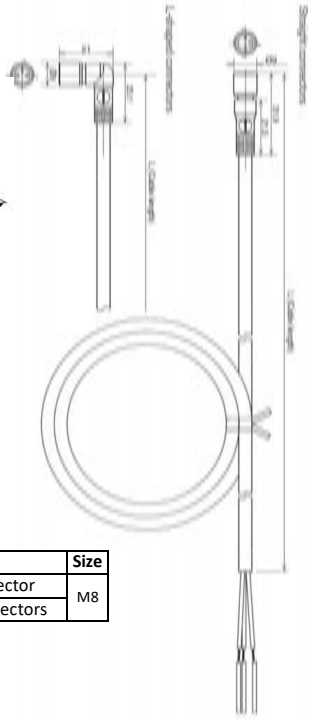
WL=PNP WLN=NPN

Jaws Without Teeth

GRZ.20.SC.PNP

GRZ.20.SC.NPN





	Type	Size
OM.XS3F.M83S5M	Straight connector	M8
OM.XS3F.M83A5M	L - shaped connectors	

All the GRZ.20 has the locking screw for dowel pin

Sprue Grippers

GTS.1003 Ø 14 GTS.1004 Ø 20

Closing force (6 bar) GTS.1003 = 45 N GTS.1004 = 90 N

Jaws in STEEL

	Body	Open	
CA.GTS.1003.1212	Ø 14	16	
CA.GTS.1004.1212	Ø 20	25	

	Body	Open	
CA.GTS.1003.1214	Ø 14	16	
CA.GTS.1004.1214	Ø 20	25	

	Body	Open	
CA.GTS.1003.1414	Ø 14	16	
CA.GTS.1004.1414	Ø 20	25	

	Body	Open	
CA.GTS.1003.1919	Ø 14	16	
CA.GTS.1004.1919	Ø 20	25	

For any further information, please refer to drawings on www.fps-eoat.it Drawings not to scale

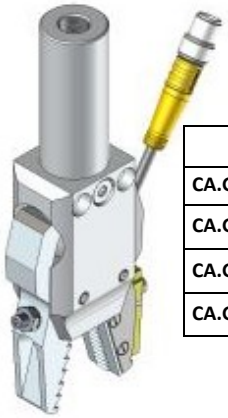
Sprue Grippers

GTS.1003 Ø 14 GTS.1004 Ø 20

Closing force (6 bar) GTS.1003 = 45 N GTS.1004 = 90 N

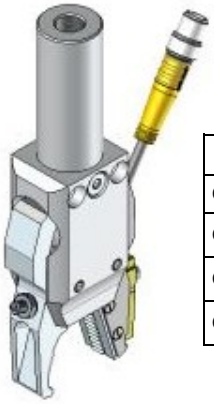
Jaws in STEEL

	Body	Open	
CA.GTS.1003.1717	Ø 14	16	
CA.GTS.1004.1717	Ø 20	25	



	Body	Open	Sensor
CA.GTS.1003.1915	Ø 14	16	PNP
CA.GTS.1004.1915	Ø 20	25	PNP
CA.GTS.1003.195N	Ø 14	16	NPN
CA.GTS.1004.195N	Ø 20	25	NPN

	Body	Open	Sensor
CA.GTS.1003.1215	Ø 14	16	PNP
CA.GTS.1004.1215	Ø 20	25	PNP
CA.GTS.1003.125N	Ø 14	16	NPN
CA.GTS.1004.125N	Ø 20	25	NPN



	Body	Open	Sensor
CA.GTS.1003.1415	Ø 14	16	PNP
CA.GTS.1004.1415	Ø 20	25	PNP
CA.GTS.1003.145N	Ø 14	16	NPN
CA.GTS.1004.145N	Ø 20	25	NPN

	Body
GTS.03.G18	Ø 14
GTS.04.G18	Ø 20

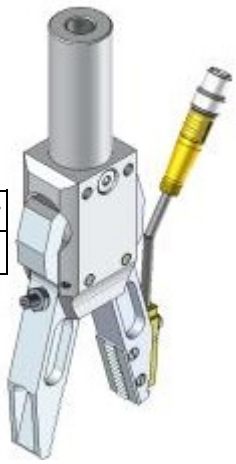
Sprue Grippers

GTS.1003 Ø 14 **GTS.1004 Ø 20**

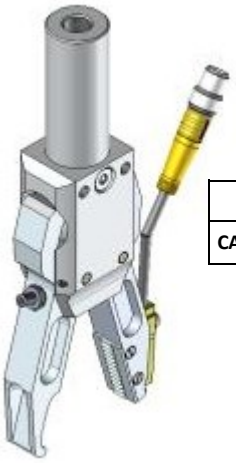
Closing force (6 bar) GTS.1003 = 45 N GTS.1004 = 90 N

Jaws in STEEL

New



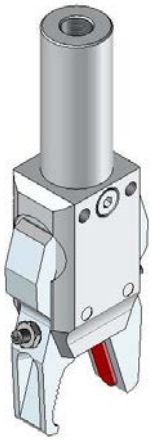
	Body	Open	Sensor
CA.GTS.1004.125L	Ø 20	36	PNP



New

	Body	Open	Sensor
CA.GTS.1004.145L	Ø 20	36	PNP

	Body	Open	
CA.GTS.1003.2929	Ø 14	16	
CA.GTS.1004.2929	Ø 20	25	



	Body	Open	
CA.GTS.1003.1417	Ø 14	16	
CA.GTS.1004.1417	Ø 20	25	

New

	Body	Open	
CA.GTS.1003.1313	Ø 14	16	
CA.GTS.1004.1313	Ø 20	25	

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Jaws in Steel

GTS.03 for sprue grippers 14

GTS.04 for sprue grippers 20

	M*	M*1
GTS.03.17	CA.GTS.1003	GTS.03.G18
GTS.04.17	CA.GTS.1004	GTS.04.G18

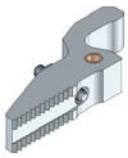
	M*	M*1
GTS.03.19	CA.GTS.1003	GTS.03.G18
GTS.04.19	CA.GTS.1004	GTS.04.G18

	M*	M*1
GTS.03.29	CA.GTS.1003	GTS.03.G18
GTS.04.29	CA.GTS.1004	GTS.04.G18

	M*	M*1	Sensor
GTS.04.15.L	CA.GTS.1004	GTS.04.G18	PNP
GTS.04.15.LN	CA.GTS.1004	GTS.04.G18	NPN

	M*	M*1	Sensor
GTS.03.15	CA.GTS.1003	GTS.03.G18	PNP
GTS.03.15.N	CA.GTS.1003	GTS.03.G18	NPN
GTS.04.15	CA.GTS.1004	GTS.04.G18	PNP
GTS.04.15.N	CA.GTS.1004	GTS.04.G18	NPN

	M*	M*1
GTS.04.12.L	CA.GTS.1004	GTS.04.G18



	M*	M*1
GTS.03.12	CA.GTS.1003	GTS.03.G18
GTS.04.12	CA.GTS.1004	GTS.04.G18

	M*	M*1
GTS.04.14.L	CA.GTS.1004	GTS.04.G18

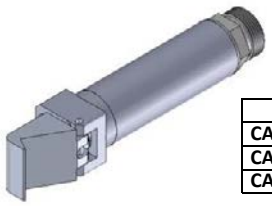
	M*	M*1
GTS.03.14	CA.GTS.1003	GTS.03.G18
GTS.04.14	CA.GTS.1004	GTS.04.G18

	M*	M*1
GTS.03.13	CA.GTS.1003	GTS.03.G18
GTS.04.13	CA.GTS.1004	GTS.04.G18

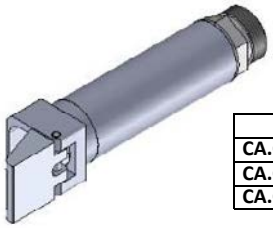
M* = suitable for / passend für / applicabile a / convient à / apto para

Gripper Finger

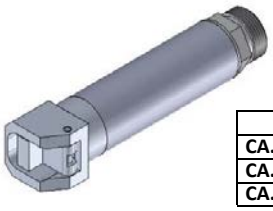
GRF.14.... Ø 14
GRF.20.... Ø 20
GRF.30.... Ø 30



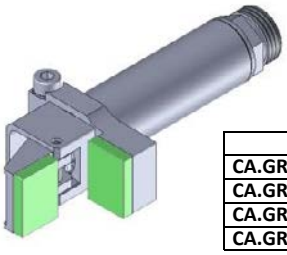
CA.GRF.1435	35°	26 N	25 g
CA.GRF.2035		100 N	65 g
CA.GRF.3035		430 N	206 g



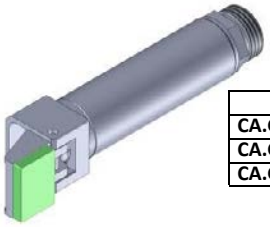
CA.GRF.1495	95°	19 N	25 g
CA.GRF.2095		70 N	60 g
CA.GRF.3095		300 N	193 g



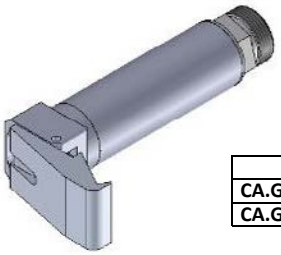
CA.GRF.1490	90°	19 N	25 g
CA.GRF.2090		70 N	65 g
CA.GRF.3090		300 N	185 g



CA.GRF.1495.G	95°	19 N	28 g
CA.GRF.2095.G		70 N	75 g
CA.GRF.3095.G		300 N	235 g
CA.GRF.3095.G40		300 N	299 g



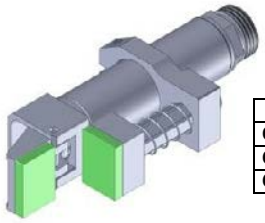
CA.GRF.1495.GW	95°	19 N	25 g
CA.GRF.2095.GW		70 N	60 g
CA.GRF.3095.GW		300 N	193 g



CA.GRF.2035.WE	35°	100 N	76 g
CA.GRF.3035.WE		430 N	259 g

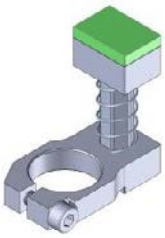
For any further information, please refer to drawings on www.fps-eoat.it Drawings not to scale

Gripper Finger

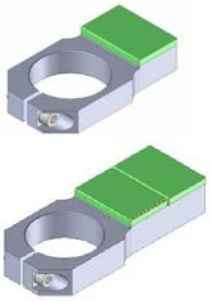


CA.GRF.1495.VSX	95°	19 N	35 g
CA.GRF.2095.VSX		70 N	85 g
CA.GRF.3095.VSX		300 N	280 g

Stopper with suspension for grippers



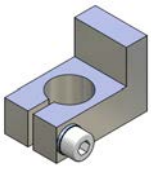
		M*	
GRF14.VSX	14	CA.GRF.14...	15 g
GRF20.VSX	20	CA.GRF.20...	20 g
GRF30.VSX	30	CA.GRF.30...	50 g



Stopper for Grippers

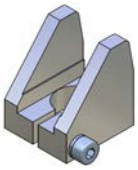
		M*	
GRF14.95.0708	14	CA.GRF.14..	5 g
GRF20.95.0708	20	CA.GRF.20..	14 g
GRF20.95.0708.30			18 g
GRF30.95.0708	30	CA.GRF.30..	33 g
GRF30.95.0708.40			62 g

Stopper for Gripper



		M*	
CA.ANS.14	14	CA.GRF.14..	17 g
CA.ANS.20	20	CA.GRF.20..	21 g
CA.ANS.30	30	CA.GRF.30..	30 g

Gripper Guide



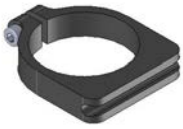
		M*	
CA.ZTS.14	14	CA.GRF.14..	15 g
CA.ZTS.20	20	CA.GRF.20..	20 g
CA.ZTS.30	30	CA.GRF.30..	60 g

Pads For a Soft Contact (Viton)

		M*	
GRF14.95.08.V	14	CA.GRF.14..	1 g
GRF20.95.08.V	20	CA.GRF.20..	2 g
GRF30.95.08.V	30	CA.GRF.30..	3 g

M* = suitable for / passend für / applicabile a / convient à / apto para

Sensor Mounting Bracket



		M*	Sensor
CA.SMT.14	14	CA.GRF.14..	KT38.... KT58....
CA.SMT.20	20	CA.GRF.20..	
CA.SMT.30	30	CA.GRF.30..	

New

		M*	Sensor
CA.SML.14	14	CA.GRF.14..	KT38.... KT58....
CA.SML.20	20	CA.GRF.20..	
CA.SML.30	30	CA.GRF.30..	

		M*	Sensor
CA.TIK.14007	14	CA.GRF.14..	KT38.... KT58....
CA.TIK.20007	20	CA.GRF.20..	
CA.TIK.30007	30	CA.GRF.30..	

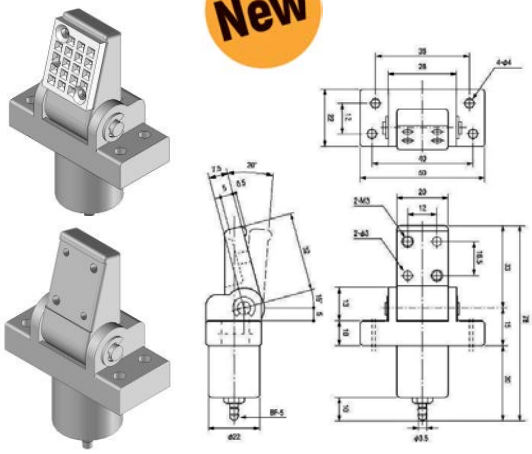
Sensor

	Sensor with cable	
KT38PM8	3 wires electroic PNP normally Open M8 plug connector	4 g
KT38P3M	3 wires electronic PNP normally Open mt 3 cable	
KT38NM8	3 wires electroic NPN normally Open M8 plug connector	
KT38N3M	3 wires electronic NPN normally Open mt 3 cable	

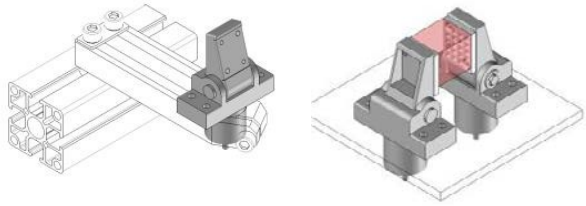
KT38.....

Gripper Finger PPM

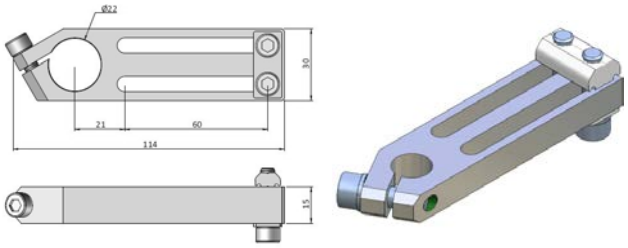
New



			M*	
CA.PPM.2220.G	With Soft Pad	22	CA.WSL.2260.VU.X	45 g
CA.PPM.2220	Without Soft Pad			



Long Angle Clamp Heavy Duty



	M*	
CA.WSL.2260.VU.X	CA.PPM.2220.G	115 g
	CA.PPM.2220	

Soft Pad

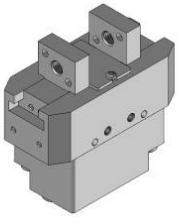
	M*	
PPM22.08.S	CA.PPM.2220.G	1 g
	CA.PPM.2220	

For any further information, please refer to drawings on www.fps-eoat.it Drawings not to scale

CGSP Micro Parallel Gripper

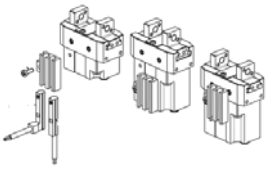
New

NC Normal Clouse
NO Normal Open



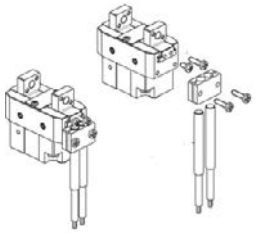
	Stroke	Opening total gripping force	Closing total gripping force	
CA.CGSP.20	4	44 N	36 N	34 g
CA.CGSP.20.NC		38 N	46 N	42 g
CA.CGSP.20.NO		54 N	30 N	40 g
CA.CGSP.25	6	84 N	70 N	51 g
CA.VGSP.25.NC		76 N	86 N	66 g
CA.CGSP.25.NO		98 N	62 N	61 g
CA.CGSP.32	8	61 N	104 N	99 g
CA.CGSP.32.NC		106 N	126 N	126 g
CA.CGSP.32.NO		142 N	88 N	120 g
CA.CGSP.40	12	184 N	154 N	163 g
CA.CGSP.40.NC		152 N	188 N	238 g
CA.CGSP.40.NO		214 N	124 N	219 g

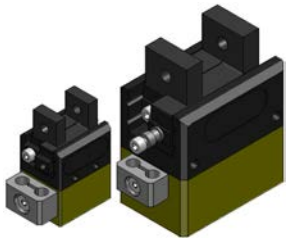
CGSP Bracket for sensor



	M*	Sensor (optional)
CA.M.SGSP.20	CA.CGSP.20	KT58.. KT38..
CA.M.SGSP.25	CA.CGSP.25	
CA.M.SGSP.32	CA.CGSP.32	
CA.M.SGSP.40	CA.CGSP.40	

	M*	Sensor (optional)
CA.I.SGSP.20	CA.CGSP.20	MMD.AA1.. MMD.AC1..
CA.I.SGSP.25	CA.CGSP.25	
CA.I.SGSP.32	CA.CGSP.32	
CA.I.SGSP.40	CA.CGSP.40	

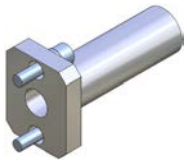




MPG Micro Parallel Gripper

	Stroke	Opening total gripping force	Closing total gripping force	
CA.MPG.20	4	24 N	28 N	40 g
CA.MPG.25	6	28 N	31 N	60 g
CA.MPG.32	8	55 N	65 N	120 g
CA.MPG.40	12	90 N	110 N	200 g
CA.MPG.50	16	155 N	175 N	350 g
CA.MPG.64	20	190 N	200 N	600 g

Adapter for Parallel Gripper MPG

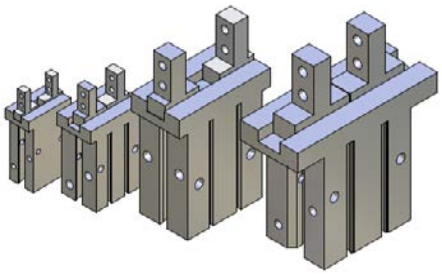


		M*	
CA.APG.20.10.30	Ø 10	CA.MPG.20/CA.SGSP.20	8 g
CA.APG.25.14.40	Ø 14	CA.MPG.25/CA.SGSP.25	16 g
CA.APG.32.14.40		CA.MPG.32/CA.SGSP.32	23 g
CA.APG.40.14.50		CA.MPG.40/CA.SGSP.40	22 g
CA.APG.40.20.50	Ø 20		30 g
CA.APG.50.20.50		CA.MPG.50	48 g
CA.APG.65.20.50		CA.MPG.64	63 g

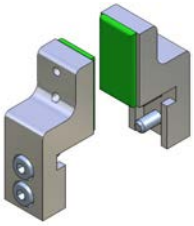
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

GS Parallel Gripper Easy

NC Normal Clouse
NO Normal Open
L Larger opening



	Bore size	Stroke	Opening gripping force	Closing gripping force	
CA.09.05.009	10	4	22 N	34 N	55 g
CA.09.05.009.NC					
CA.09.05.009.NO					
CA.09.05.009.L		8			60 g
CA.09.05.010	16	6	68 N	90 N	124 g
CA.09.05.010.NC					
CA.09.05.010.NO					
CA.09.05.010.L		12			135 g
CA.09.05.011	20	10	84 N	132 N	235 g
CA.09.05.011.NC					
CA.09.05.011.NO					
CA.09.05.011.L		18			270 g
CA.09.05.012	25	14	130 N	208 N	430 g
CA.09.05.012.NC					
CA.09.05.012.NO					
CA.09.05.012.L		22			470 g
CA.09.05.013	32	22	316 N	386 N	715 g
CA.09.05.014	40	30	508 N	636 N	1275 g



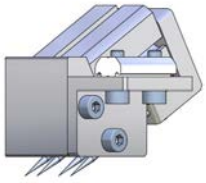
KB Jaws for Parallel Gripper GS (complete)

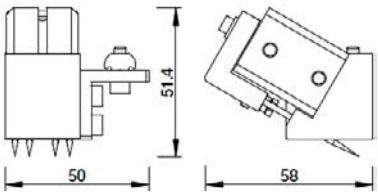
	Insert	M*	
CA.KB.10	GRF14.95.08.V	CA.09.05.009/L	14 g
CA.KB.16	GRF20.95.08.V	CA.09.05.010/L	28 g
CA.KB.20	PAC.20.16P.03.V	CA.09.05.011/L	41 g
CA.KB.25		CA.09.05.012/L	73 g
CA.KB.32	GRF30.95.08.V	CA.09.05.013	166 g

APGE Adapter for Parallel Gripper Easy

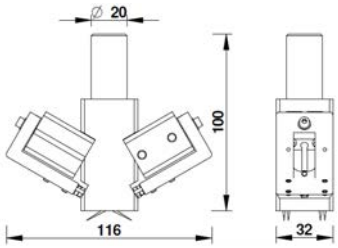
	A	M*	
CA.APGE.10.10.30	Ø 10	CA.09.05.009/L	11 g
CA.APGE.16.14.40	Ø 14	CA.09.05.010/L	21 g
CA.APGE.20.20.50	Ø 20	CA.09.05.011/L	38 g
CA.APGE.25.20.50		CA.09.05.012/L	55 g
CA.APGE.32.20.50		CA.09.05.013	102 g
CA.APGE.40.20.50		CA.09.05.014	140 g

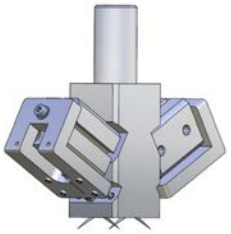
PAA Needle gripper



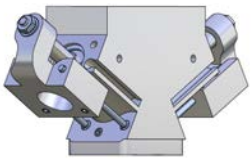


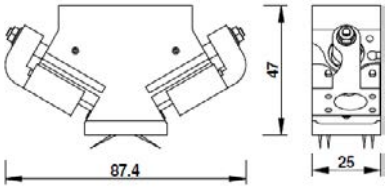
CA.PAA.AP.D	135 g



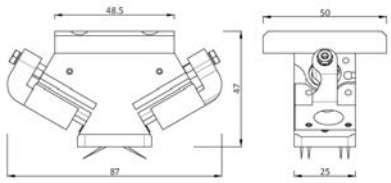


CA.PAA.CF.D	320 g

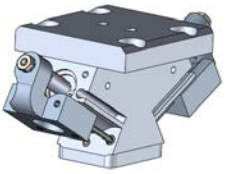




CA.PAA.SP	132 g

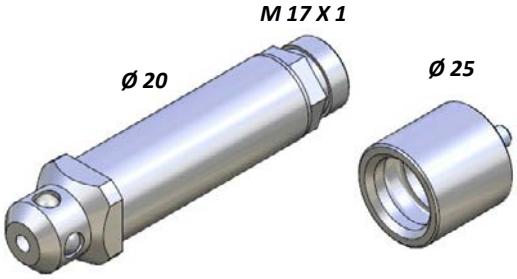


CA.PAA.CP	155 g



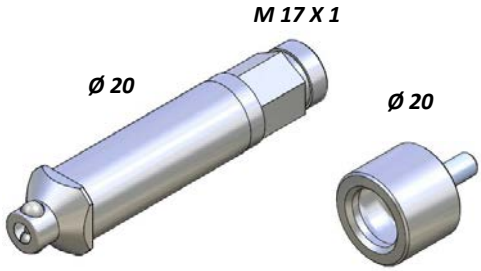
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Centering Locking Unit With Balls



N° 4 Balls

CA.AGP.20.G	Gripper side	93 g
CA.AGP.20.M	Mould side	60 g



N° 2 Balls

CA.AGP.20.G.20	Gripper side	66 g
CA.AGP.20.M.20	Mould side	30 g

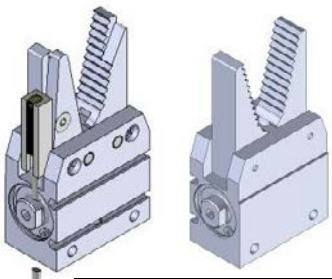
Pneumatic Tilt 300 N

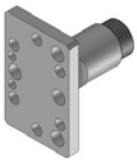
CA.RBL.30	0—90°	Ø 30 mm	270 g

Selfcentering Sprue Gripper

Closing force (8 bar) 250 N

Open 27 mm

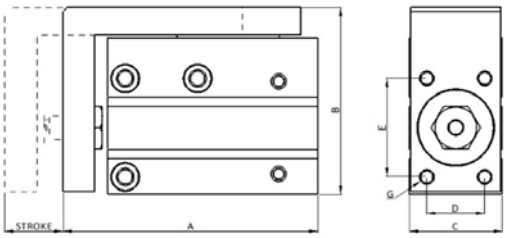


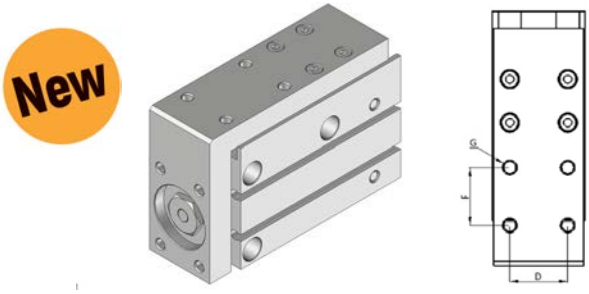


CA.APG.40.14.50	D.14

CA.GZA.AA24	-	Double effect	115 g
CA.GZA.AA24.NO	-	Normally Open	
CA.GZA.AA24.NOS2	2 WIRES		151 g
CA.GZA.AA24.NOSN	NPN		
CA.GZA.AA24.NOSP	PNP		

Slide table cilinder

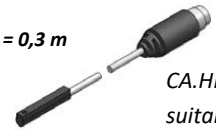




	SIZE	STROKE	A	B	C	D	E	F	G	WEIGHT
CA.HLH.06.10	Ø6	10	49	39	16	9	15	10	M3	66 g
CA.HLH.06.20		20	59					20		80 g
CA.HLH.06.30		30	69					30		93 g
CA.HLH.10.10	Ø10	10	56	47	20	11	18	10	M4	112 g
CA.HLH.10.20		20	66					20		133 g
CA.HLH.10.30		30	76					30		153 g
CA.HLH.16.10	Ø16	10	66	53	25	16	26	10		204 g
CA.HLH.16.20		20	76					20		232 g
CA.HLH.16.30		30	86					30		260 g
CA.HLH.20.10	Ø20	10	78	64	32	20	34	10	M5	369 g
CA.HLH.20.20		20	88					20		417 g
CA.HLH.20.30		30	98					30		466 g

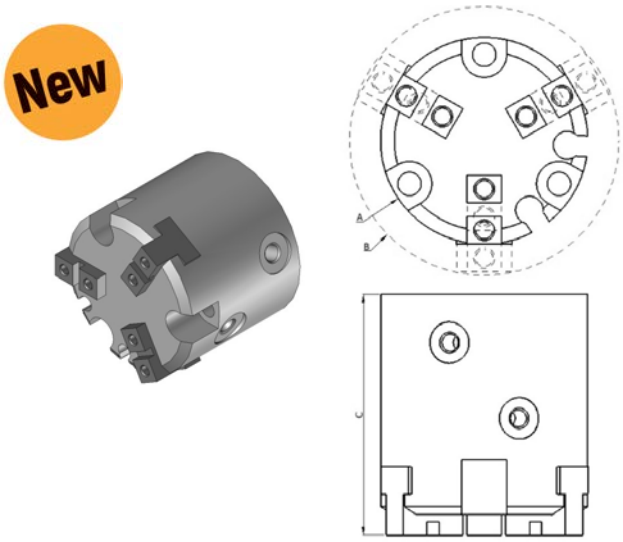
L = 3 m

L = 0,3 m



CA.HLH and CA.MHS are suitable for sensors KT58

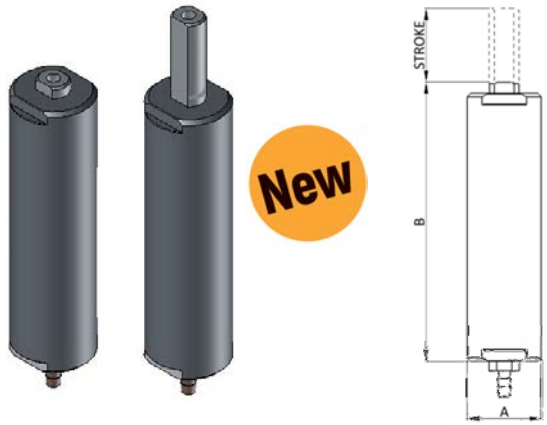
Parallel gripper 3 jaws self centering



	STROKE	A	B	C	WEIGHT
CA.MHS.16	4	Ø30	Ø39	35	60 g
CA.MHS.20	4	Ø36	Ø45	38	100 g
CA.MHS.25	6	Ø42	Ø55	40	140 g

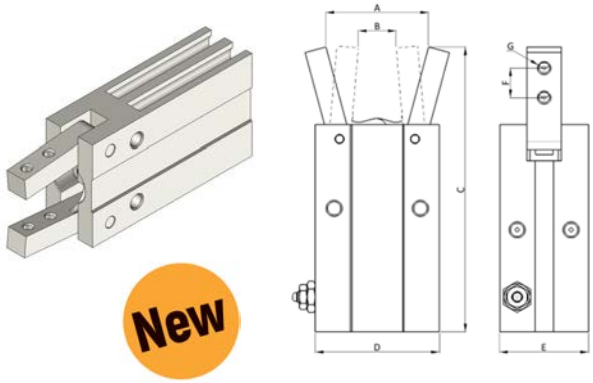
For any further information, please refer to drawings on www.fps-eoat.it Drawings not to scale

Cilinder for pipe attachment



	A	B	STROKE	WEIGHT
CA.CDN.2010	Ø20	65	10	40 g
CA.CDN.2020		75	20	46 g
CA.CDN.2030		85	30	50 g

Angular gripper



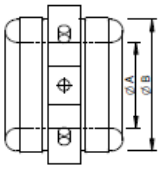
	A	B	C	D	E	F	G	SIZE	WEIGHT
CA.HFY.06	18	7	47	20	10	5	M2	Ø6	34 g
CA.HFY.10	19	7	52	23	16	6	M2,5	Ø10	36 g
CA.HFY.16	28	12	62	30	23	7	M3	Ø16	59 g
CA.HFY.20	37	17	78	42	27	9	M4	Ø20	64 g
CA.HFY.25	46	19	92	52	33	12	M5	Ø25	155 g
CA.HFY.32	53	25	96	62	40	14	M6	Ø32	161 g

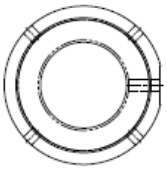
L = 2 m

	Type	
ATC.DMSGP020	PNP	-
ATC.DMSGN020	NPN	-

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

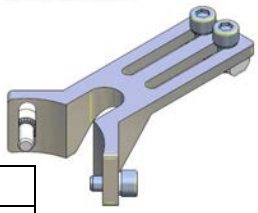
Airgripper





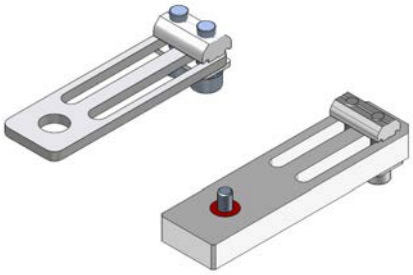
		Working range	Maximum operating air pressure	A	B	
CA.09.13.05.15	Neoprene	5-15 mm	1,5 bar	19	33	60 g
CA.09.13.05.15.S	Silicone		1,0 bar			
CA.09.13.10.25	Neoprene	10-25 mm	1,5 bar	27	48	145 g
CA.09.13.10.25.S	Silicone		1,0 bar			
CA.09.13.15.35	Neoprene	15-35 mm	1,5 bar	37	58	210 g
CA.09.13.15.35.S	Silicone		1,0 bar			
CA.09.13.20.45	Neoprene	20-45 mm	1,5 bar	48	69	285 g
CA.09.13.20.45.S	Silicone		1,0 bar			

Mounting Brackets



	M* M1	
CA.09.17.0515.X	CA.09.13.05.15 CA.X../JU	31 g
CA.09.17.1025.X	CA.09.13.10.25 CA.X../JU	46 g
CA.09.17.1535.X	CA.09.13.15.35 CA.X../JU	57 g
CA.09.17.2045.X	CA.09.13.20.45 CA.X../JU	69 g

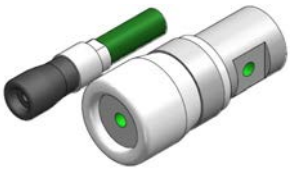
Air Hand Mounting Brackets

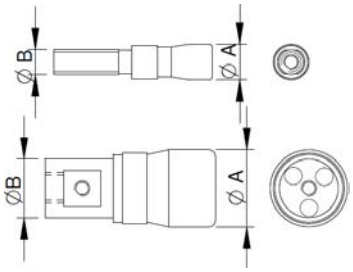


	M*	M1	
CA.04.20.06.X	CA.09.14.06 CA.09.14.07	CA.L../ CA.X..	34 g
CA.04.20.08.X	CA.09.14.09		35 g
CA.09.18.1014.X	CA.09.14.10 CA.09.14.14		41 g
CA.09.18.1719.X	CA.09.14.14 CA.09.14.17	CA.X../ CA.JU..	50 g
CA.09.18.2225.X	CA.09.14.22 CA.09.14.25		52 g
CA.09.18.35.JU	CA.09.14.35		78 g
CA.09.18.4555.JU	CA.09.14.45 CA.09.14.55		102 g

For any further information, please refer to drawings on www.fps-eoat.it Drawings not to scale

Airpicker





Temperature range

Neoprene **- 18° to 74° C**
Silicone **- 30° to 160° C**

		Working range	Maximum operating air pressure	A	B	
CA.09.14.06	Neoprene	8.5-10 mm	4 bar	8	M6	8 g
CA.09.14.07		10-12 mm		9.5		12 g
CA.09.14.09		12-17 mm		11	M8X1.25	17 g
CA.09.14.10		16-21 mm		14	Ø10	28 g
CA.09.14.14 **CA.09.14.14.S**	Neoprene Silicone	21-27 mm	5 bar 1,8 bar	19	Ø14	60 g
CA.09.14.17 **CA.09.14.17.S**	Neoprene Silicone	24-32 mm	5 bar 1,8 bar	22	Ø17	85 g
CA.09.14.19 **CA.09.14.19.S**	Neoprene Silicone	28-36 mm	5 bar 1,8 bar	25	Ø19	105 g
CA.09.14.22 **CA.09.14.22.S**	Neoprene Silicone	30-44 mm	5 bar 1,8 bar	27	Ø22	160 g
CA.09.14.25 **CA.09.14.25.S**	Neoprene Silicone	32-52 mm	5 bar 1,8 bar	29	Ø25	245 g
CA.09.14.35 **CA.09.14.35.S**	Neoprene Silicone	45-65 mm	5 bar 1,8 bar	41	Ø34	180 g
CA.09.14.45	Neoprene	58-85 mm	5 bar	51	Ø44	370 g
CA.09.14.55	Neoprene	70-105 mm	5 bar	63	Ø54	610 g

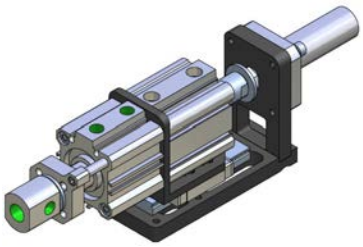
Protective Sleeve

	M*	
CA.09.15.001	CA.09.14.14	1 g
CA.09.15.002	CA.09.14.17	
CA.09.15.003	CA.09.14.19	
CA.09.15.004	CA.09.14.22	
CA.09.15.005	CA.09.14.25	
CA.09.15.006	CA.09.14.35	
CA.09.15.007	CA.09.14.45	2 g
CA.09.15.008	CA.09.14.55	

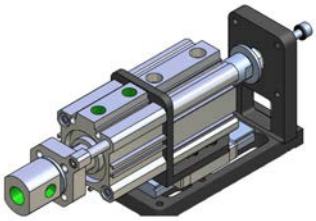
Nose Cones

	M*	
CA.09.16.001	CA.09.14.10	3 g
CA.09.16.002	CA.09.14.14	5 g
CA.09.16.003	CA.09.14.17	6 g
CA.09.16.004	CA.09.14.19	
CA.09.16.005	CA.09.14.22	7 g
CA.09.16.006	CA.09.14.25	8 g
CA.09.16.007	CA.09.14.35	10 g
CA.09.16.008	CA.09.14.45	12 g
CA.09.16.009	CA.09.14.55	14 g

BVAE Movable Vacuum Unit Double Stroke Guided

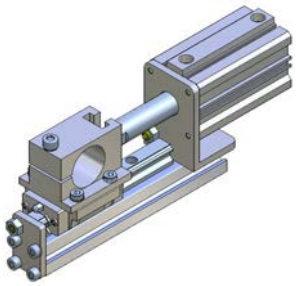


CA.BVAE.32201020	1043 g
CA.BVAE.32201025	1073 g

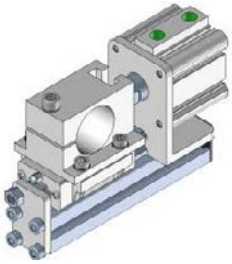


CA.BVAE.322010	988 g

HEH Linear Stroke Unit

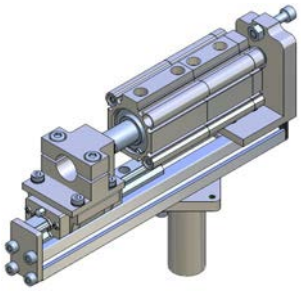


CA.HEH.20.50	Ø 20	1130 g
CA.HEH.30.50	Ø 30	1100 g



CA.HEH.20.100	Ø 20	
CA.HEH.30.10	Ø 30	

UDHE Double Stroke Unit

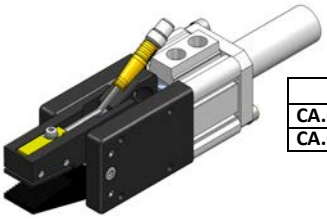


CA.UDHE.32102020	Ø 20	1375 g
CA.UDHE.32203020	Ø 30	1455 g

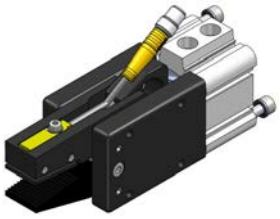
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

GZ.32 Large-Gripper for Pulling With Sensor

Closing force (6 bar) 350 N

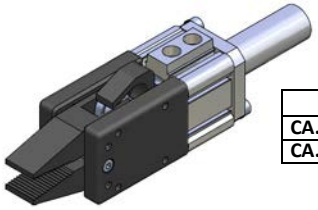


	Open	
CA.GZ.3220.S	12,5	563 g
CA.GZ.3225.S	12.5	591 g

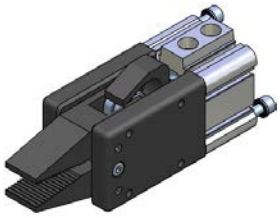


	Open	
CA.GZ.32.S	12.5	509 g

GZ.32 Large-Gripper for Pulling

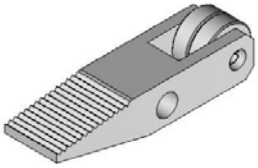


	Open	
CA.GZ.3220	12,5	563 g
CA.GZ.3225	12.5	591 g

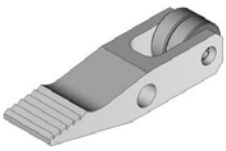


	Open	
CA.GZ.32	12.5	509 g

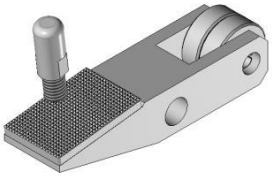
Jaws



CA.GZ.32.FINGER



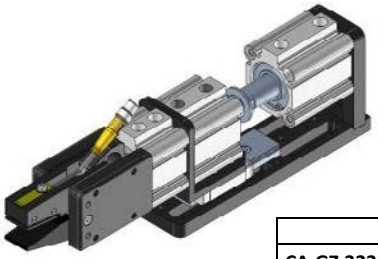
CA.GZ.32.FING.19



CA.GZ.32.FING.G

CA.GZ.32.FING.S

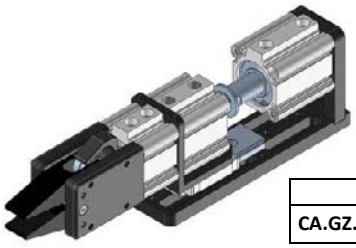
GZ.32 Pull Gripper With Double Stroke & Sensor



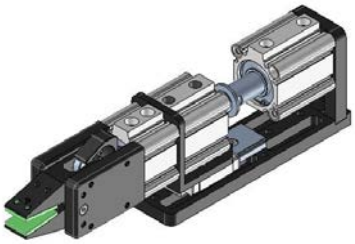
	Open	
CA.GZ.322010.S	12.5	1400 g

GZ.32 Pull Gripper With Double Stroke

	Open	
CA.GZ.32201020	12.5	1455 g
CA.GZ.32201025	12.5	1485 g



	Open	
CA.GZ.322010	12.5	1400 g



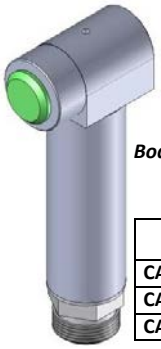
	Open	
CA.GZ.322010.G	12.5	1400 g

DB Stroke Reducer

	C	M*	
CA.DB.05.25	5	Cylinder 25	1 g
CA.DB.10.25	10		2 g
CA.DB.15.25	15		4 g
CA.DB.05.32	5	Cylinder 32	1 g
CA.DB.10.32	10		2 g
CA.DB.15.32	15		3 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

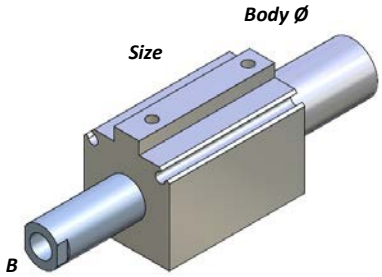
PMA Side Stroking Gripper Finger



PPS.1406.07.V
PPS.2010.07.V
PPS.3015.07.V

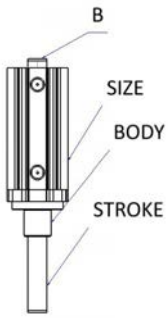
	Stroke	Body	Gripping force (at 6 bar)	
CA.PMA.1406	6	Ø 10	63 N	47 g
CA.PMA.2010	10	Ø 20	115 N	115 g
CA.PMA.3015	15	Ø 30	230 N	380 g

JDR Pneumatic Cylinder With Non-Rotative And Through Hole Rod



	Body	Sroke	Size	B	
CA.JDR.141005	Ø 14	10	20	M5	54 g
CA.JDR.142505		25			76 g
CA.JDR.201005	Ø 20	10			63 g
CA.JDR.301518		15	30	G1/8	112 g
CA.JDR.303018		30			150 g
CA.JDR.305018		50			200 g

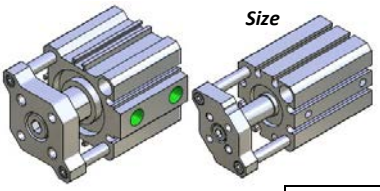
KHZ Pneumatic Cylinder With Non-Rotative And Through Hole Rod



	Body	Stroke	Size	B	
CA.KHZ.20141005	Ø 14	10	20	M5	135 g
CA.KHZ.20143005		30			250 g
CA.KHZ.32201518	Ø 20	15	32	G1/8	399 g
CA.KHZ.32203018		30			483 g
CA.KHZ.32205018		50			602 g

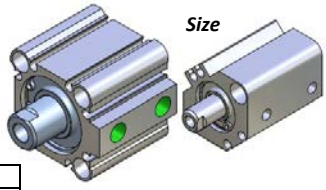
M* = suitable for / passend für / applicabile a / convient à / apto para

Compact Pneumatic Cylinder With Non-Rotative



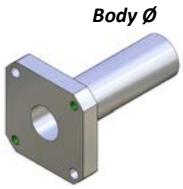
	Size	Stroke	
CA.11.17.001	12	10	59 g
CA.11.17.002		20	77 g
CA.11.17.003	16	10	
CA.11.17.004		20	97 g
CA.11.17.005	20	10	138 g
CA.11.17.006		20	168 g
CA.11.17.007	25	10	186 g
CA.11.17.008		20	223 g
CA.11.17.009	32	10	264 g
CA.11.17.010		20	309 g

Compact Pneumatic Cylinder



	Size	Stroke	
CA.11.18.001	12	10	44 g
CA.11.18.002		20	69 g
CA.11.18.003	16	10	68 g
CA.11.18.004		20	89 g
CA.11.18.005	20	10	106 g
CA.11.18.006		20	138 g
CA.11.18.007	25	10	148 g
CA.11.18.008		20	186 g
CA.11.18.009	32	10	231 g
CA.11.18.010		20	285 g

Adapter for Cylinder



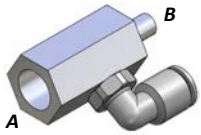
	Body	M* (Size Cylinder)	
CA.ADZ.12.14	Ø 14	12	19 g
CA.ADZ.16.14		16	25 g
CA.ADZ.20.14		20	32 g
CA.ADZ.25.20	Ø 20	25	55 g
CA.ADZ.32.20		32	
CA.ADZ.32.20.90			74 g
CA.ADZ.32.25	Ø 25		85 g

Cylinder Buffer

		B	M* (Size Cylinder)	
CA.11.04.001	Ø 20	M3	12	5 g
CA.11.04.002	Ø 25	M4	16	10 g
CA.11.04.003	Ø 30	M5	20	17 g
CA.11.04.004	Ø 35	M6	25	28 g
CA.11.04.005	Ø 40	M8	32	46 g
CA.11.04.006	Ø 20	M5	KHZ/JDR	7 g
CA.11.04.007	Ø 40	G1/8		40 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

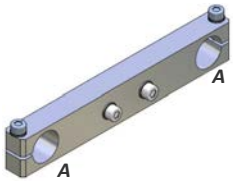
Adapter For Cylinder/Vacuum Cup



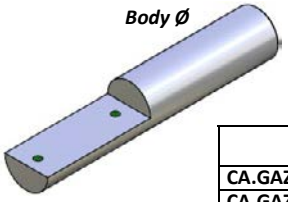
	A	B	M* (Size Cylinder)	
CA.11.15.001	G1/8	M4	16	13 g
CA.11.15.002		M6	25	15 g
CA.11.15.003	G1/4			24 g
CA.11.15.004	G1/8	M5	20	21 g
CA.11.15.005	G1/4	M8	32	22 g

Mounting Bracket For Cylinder/Suction Cup Arm

	A	M* (Size Cylinder)	
CA.KBH.12.10.60	10	12	33 g
CA.KBH.16.14.90	14	16	56 g
CA.KBH.16.16.125	16		88 g
CA.KBH.20.14.90	14	20	58 g
CA.KBH.20.16.125	16		90 g
CA.KBH.25.16.125		25	94 g
CA.KBH.32.20.125	20	32	156 g

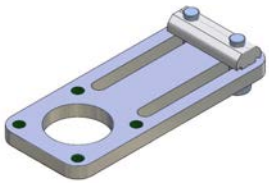


GAZ Gripper Arm For Cylinder



	Body	M* (Size Cylinder)	
CA.GAZ.12.10.60	Ø 10	12	17 g
CA.GAZ.16.14.60	Ø 14	16	27 g
CA.GAZ.20.20.60	Ø 20	20	56 g
CA.GAZ.25.20.60		25	59 g
CA.GAZ.32.20.60		32	62 g

Bracket for Cylinder



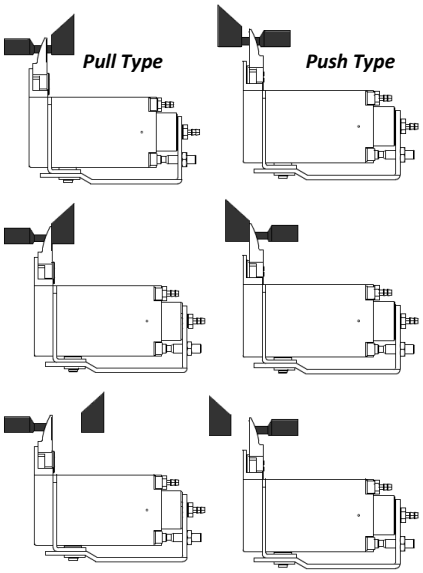
	M* (Size Cylinder)	
CA.11.08.001.X	12	35 g
CA.11.08.002.X	16	
CA.11.08.003.X	20	49 g
CA.11.08.004.X	25	52 g
CA.11.08.005.X	32	60 g

KT58PM8	PNP
KT58NM8	NPN

KT58P3M	PNP
KT58N3M	NPN

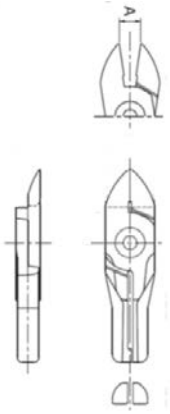
M* = suitable for / passend für / applicabile a / convient à / apto para

SN Slide Air Nippers Horizontal



	Type	Size	Cutting capacity	
CA.SN3	PULL	3	2 ø mm	170 g
CA.SNP3	PUSH			
CA.SN5	PULL	5	3 ø mm	220 g
CA.SNP5	PUSH			
CA.SN10	PULL	10	4 ø mm	300 g
CA.SNP10	PUSH			
CA.SN20	PULL	20	5 ø mm	595 g
CA.SNP20	PUSH			

Blades FN



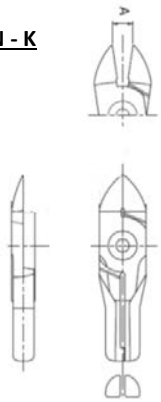
Pull Type

	M*	A	
CA.FN10	CA.SN3	3.5	25 g
CA.FN1	CA.SN5	5.5	30 g
CA.FN3	CA.SN10	7	60 g
CA.FN5	CA.SN20	8.5	100 g

Push Type

	M*	A	
CA.FNP10	CA.SNP3	3.5	30 g
CA.FNP1	CA.SNP5	5.5	35 g
CA.FNP3	CA.SNP10	7	60 g
CA.FNP5	CA.SNP20	8.5	110 g

Blades FN - K

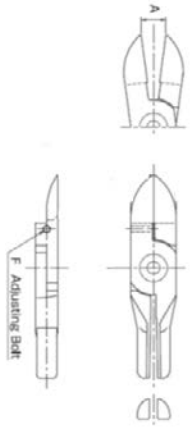


Pull Type

	M*	A	
CA.FN10K	CA.SN3	3.5	30 g
CA.FN1K	CA.SN5	5.5	
CA.FN3K	CA.SN10	7.5	60 g
CA.FN5K	CA.SN20	8.5	110 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

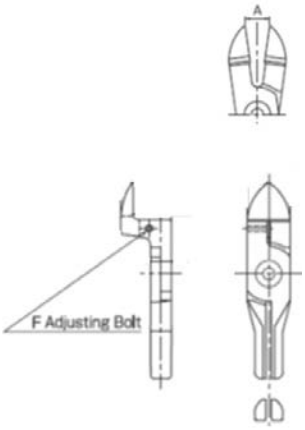
Blades FN - L



Pull Type

	M*	A	
CA.FN10L	CA.SN3	5.5	35 g
CA.FN1L	CA.SN5	8	40 g
CA.FN3L	CA.SN10	9.5	65 g
CA.FN5L	CA.SN20	10	115 g

Blades FN - C



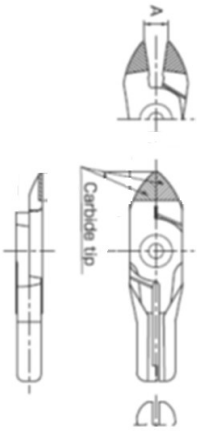
Pull Type

	M*	A	
CA.FN10C	CA.SN3	5.2	50 g
CA.FN1C	CA.SN5	9	60 g
CA.FN3C	CA.SN10	10	70 g
CA.FN5C	CA.SN20		155 g

Push Type

	M*	A	
CA.FNP10C	CA.SNP3	5.2	50 g
CA.FNP1C	CA.SNP5	8.6	60 g
CA.FNP3C	CA.SNP10	9.8	70 g
CA.FNP5C	CA.SNP20	10	155 g

Blades ZF



Pull Type

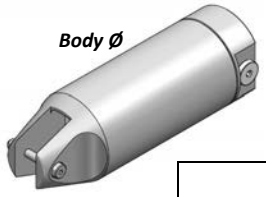
	M*	A	
CA.ZFN10	CA.SN3	3.5	30 g
CA.ZFN1	CA.SN5	5.5	35 g
CA.ZFN3	CA.SN10	7	60 g
CA.ZFN5	CA.SN20	8.5	110 g

Push Type

	M*	A	
CA.ZFNP10	CA.SNP3	3.5	30 g
CA.ZFNP1	CA.SNP5	5.5	35 g
CA.ZFNP3	CA.SNP10	7	60 g
CA.ZFNP5	CA.SNP20	8.5	110 g

M* = suitable for / passend für / applicabile a / convient à / apto para

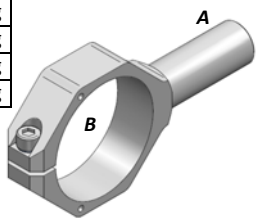
ATE Nipper Body



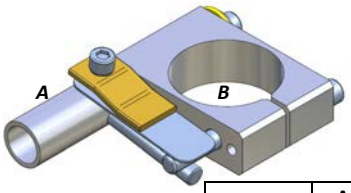
	Size	Body	Closing Force	
CA.ATE.05M	05	Ø 30	11 Nm	97 g
CA.ATE.10M	10	Ø 36	38 Nm	147 g
CA.ATE.20M	20	Ø 45	67 Nm	255 g
CA.ATE.30AM	30	Ø 56	150 Nm	452 g
CA.ATE.50AM	50	Ø 75	116 Nm	911 g

STF Mounting Bracket

	A	B	M*	
CA.STF.30	Ø 20	30	MR.05 / ATE.05	91 g
CA.STF.36		36	MR.10 / ATE.10	95 g
CA.STF.45		45	MR.20 / ATE.20	102 g
CA.STF.56		56	MR.30 / ATE.30	117 g
CA.STF.75	Ø 30	75	MR.50 / ATE.50	275 g



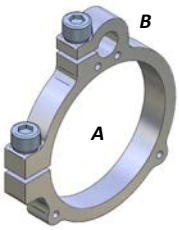
STA Spring Mounting Bracket



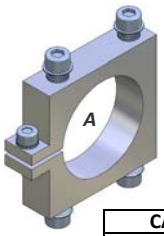
	A	B	M*	
CA.STA.45	Ø 20	45	MR.20 / ATE.20	275 g
CA.STA.56	Ø 20	56	MR.30 / ATE.30	322 g
CA.STA.75	Ø 20	75	MR.50 / ATE.50	443 g

SAT Combination Clamp For Sprue Gripper Cutter

	A	B	M*	
CA.SAT.3610	36	10	MR.10 / ATE.10	27 g
CA.SAT.4510	45		MR.20 / ATE.20	30 g
CA.SAT.5610	56		MR.30 / ATE.30	43 g
CA.SAT.5614		14		37 g
CA.SAT.5620		20		57 g
CA.SAT.7510	75	10	MR.50 / ATE.50	43 g
CA.SAT.7514		14		45 g
CA.SAT.7520		20		49 g

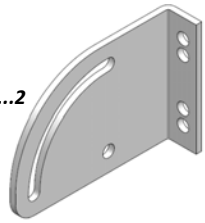


Swivel Bracket For Nipper Bodies



CA.....1

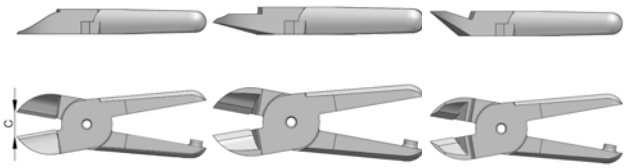
CA.....2



CA.....1	CA.....2	A	M*	
CA.04.10.30.1	CA.04.10.30.2	30	MR.05 / ATE.05	87 g
CA.04.10.36.1	CA.04.10.36.2	36	MR.10 / ATE.10	97 g
CA.04.10.45.1	CA.04.10.45.2	45	MR.20 / ATE.20	115 g
CA.04.10.56.1	CA.04.10.56.2	56	MR.30 / ATE.30	136 g
CA.04.10.75.1	CA.04.10.75.2	75	MR.50 / ATE.50	188 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

VES Nipper Blades for ATE



Inline *Standard - Plastic cutting* *Deep angle*

	M*	Style	C	
VES.N5AP	CA.ATE.05	Standard	4	40 g
VES.N10LAP	CA.ATE.10		5	120 g
VES.N10LPF		Deep angle		
VES.N20AP	CA.ATE.20	Standard	11	125 g
VES.N20AJ		Inline		
VES.N20AJL			16	230 g
VES.N20PF		Deep angle	11	130 g
VES.N30AP	CA.ATE.30 CA.ATE.50	Standard	16	380 g
VES.N30AJ		Inline	11	370 g
VES.N30AJL			19	470 g
VES.N30PF		Deep angle	15	390 g

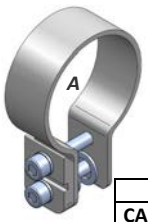
MR Nipper Body

	Body	Closing Force	
CA.MR.05M	Ø 30	11 Nm	100 g
CA.MR.10M	Ø 36	38 Nm	160 g
CA.MR.20M	Ø 45	67 Nm	270 g
CA.MR.30AM	Ø 56	150 Nm	470 g
CA.MR.50AM	Ø 75	116 Nm	1040 g

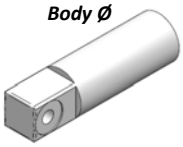
F & S Nipper Blades for MR

	M*	Style	C	
CA.F1S	CA.MR.05M	Inline	2.5	33 g
CA.F1 CA.S2		Platic cutting Standard	3	34 g
CA.FD1		Deep angle	2.5	35 g
CA.F3LS	CA.MR.10M	Long Inline	8	117 g
CA.F3 CA.S4		Platic cutting Standard	5	115 g
CA.FD3		deep angle		112 g
CA.F5S	CA.MR.20M	Inline	9	121 g
CA.F5 CA.S5		Platic cutting Standard		120 g
CA.FD5		Deep angle	10	124 g
CA.F5LS		Long inline	15	220 g
CA.F9PS	CA.MR.30AM	Inline	16	365 g
CA.F9P CA.S7P		Platic cutting Standard	16 8	380 g
CA.FD9P		Deep angle	15	388 g
CA.S120	CA.MR.50AM	Standard	10	380 g

Mounting Bracket



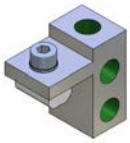
	Body	
CA.04.12.001	Ø 20	56 g
CA.04.12.002	Ø 30	82 g



	A	M*	
CA.04.10.004	56	MR.30 / ATE.30	98 g
CA.04.10.005	45	MR.20 / ATE.20	87 g
CA.04.10.006	36	MR.10 / ATE.10	78 g
CA.04.10.007	30	MR.05 / ATE.05	72 g

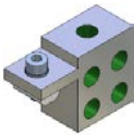
M* = suitable for / passend für / applicabile a / convient à / apto para

Air Vacuum Manifold 1 IN 4 OUT



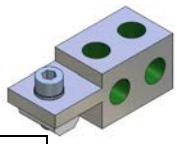
	G1 IN	G2 OUT	M*	
CA.VTB.X.141818	1xG 1/8	4xG 1/8	X	35 g
CA.VTB.JU.141818			JU	37 g

Air Vacuum Manifold 1 IN 8 OUT



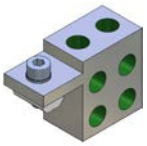
	G1 IN	G2 OUT	M*	
CA.VTB.X.181818	1xG 1/8	8xG 1/8	X	55 g
CA.VTB.JU.181818			JU	58 g

Air Vacuum Manifold 1+1 IN 2+2 OUT



	G1 IN	G2 OUT	M*	
CA.VTB.X.241818	1+1xG 1/8	2+2xG 1/8	X	39 g
CA.VTB.JU.241818			JU	41 g

Air Vacuum Manifold 1+1 IN 4+4 OUT



	G1 IN	G2 OUT	M*	
CA.VTB.X.281818	1+1XG 1/8	4+4XG 1/8	X	54 g
CA.VTB.JU.281818			JU	57 g

Straight Quick Hose Connector

	Hose	G1	
CA.12.05.015	Ø 4	M5	4 g
CA.12.05.016	Ø 6		8 g
CA.12.05.017		G 1/8	10 g
CA.12.05.023	Ø 3	M3	1 g
CA.12.05.024		M5	
CA.12.05.044	Ø 4	G 1/8	10 g
CA.12.05.047	Ø 6	G 1/4	13 g
CA.12.05.048	Ø 8		17 g
CA.12.05.049		G 3/8	27 g

Quick Hose Connector L-90°

	Hose	G1	
CA.12.05.001	Ø 4	M5	4 g
CA.12.05.002	Ø 6		5 g
CA.12.05.003		G 1/8	8 g
CA.12.05.038		G 1/4	11 g
CA.12.05.039	Ø 8		13 g
CA.12.05.040	Ø 4	G 1/8	7 g

Metal and Plastic

Quick Hose Connector L-90°

Metal

	Hose	G1	
CA.12.05.018	Ø 4	M5	12 g
CA.12.05.019	Ø 6	G 1/8	19 g
CA.12.05.020		M5	14 g
CA.12.05.021	Ø 3	M3	5 g
CA.12.05.022		M5	6 g

Threaded Y Hose Connector

	Hose	G1	
CA.12.05.050	Ø 4	G 1/8	13 g
CA.12.05.051	Ø 6		15 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Y Hose Connector

	Hose 1	Hose 2	
CA.12.05.004	Ø 4	2 x Ø 4	6 g
CA.12.05.005	Ø 6	2 x Ø 6	9 g
CA.12.05.006		2 x Ø 4	7 g
CA.12.05.007	Ø 8	2 x Ø 6	11 g
CA.12.05.034	Ø 3	2 x Ø 3	5 g

Doble Y Hose Connector

	Hose 1	Hose 2	
CA.12.05.008	Ø 6	4 x Ø 4	12 g
CA.12.05.009	Ø 8	4 x Ø 6	17 g

Threaded T Hose Connector

	Hose 1	G1	
CA.12.05.028	Ø 4	M5	7 g
CA.12.05.029		G 1/8	9 g
CA.12.05.030	Ø 6		11 g
CA.12.05.031		M5	9 g

T Hose Connector

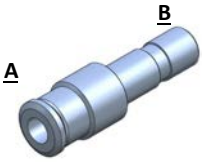
	Hose		
CA.12.05.012	Ø 4		6g
CA.12.05.013	Ø 6		9g
CA.12.05.014	Ø 8		14g

Flow Control

	Hose	G1	
CA.12.05.RF1806	Ø 6	G 1/8	17 g
CA.12.05.RF1804	Ø 4		
CA.12.05.RFM504		M5	7 g
CA.12.05.RFM506	Ø 6		

Reducer Junction

	Female A	Male B	
CA.12.05.035	Ø 3	Ø 4	2 g
CA.12.05.042	Ø 4	Ø 6	9 g
CA.12.05.046	Ø 6	Ø 4	11 g



Plug-In Nipple

	Hose	G1	
CA.12.05.M5AU3	Ø 3	M5	1 g
CA.12.05.M5AU4	Ø 4		
CA.12.05.M5AU6	Ø 6		2 g

L Plug-In Nipple

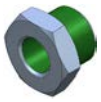
	Hose	G1	
CA.12.05.M5ALHU3	Ø 3	M5	3 g
CA.12.05.M5ALHU4	Ø 4		
CA.12.05.M5ALHU6	Ø 6		4 g

Plug For Push-In Fitting

CA.12.05.036	Ø 4	1 g
CA.12.05.037	Ø 6	

M* = suitable for / passend für / applicabile a / convient à / apto para

Reducer (parallel)



	IG 1	AG 2	
CA.08.14.001	M5	G 1/8	8 g
CA.08.14.002	M6		
CA.08.14.003	G 1/8	G 1/4	11 g
CA.08.14.004	M6		13 g
CA.08.14.022	G 1/4	G 3/8	12 g

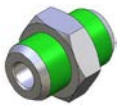
	IG 1	AG 2	
CA.08.14.018	G 1/8	M5	7 g
CA.08.14.019	G 1/4	G 1/8	14 g
CA.08.14.016	G 3/8	G 1/8	17 g
CA.08.14.017	G 3/8	G 1/4	12 g

Male plug (parallel)

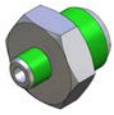
	AG 1	
CA.08.14.013	M5	2 g
CA.08.14.014	G 1/8	9 g
CA.08.14.015	G 1/4	15 g

Nipple (parallel)

	AG	
CA.08.14.021	M5	2 g
CA.08.14.005	G 1/8	9 g
CA.08.14.006	G 1/4	15 g



Reducing Nipple (parallel)

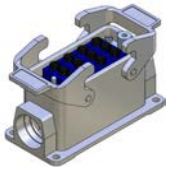


	AG 1	AG 2	
CA.08.14.011	M5	G 1/8	8 g
CA.08.14.012	G 1/8	G 1/4	15 g

Pneumatic Seal Ring

	M*
CA.08.09.05	M5
CA.08.09.18	G 1/8
CA.08.09.14	G 1/4

Mounting Case Robot Side

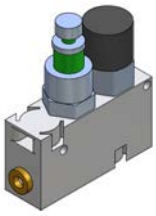


CA.SCAR.12P00E	12 OUT x hoses Ø 6	405 g

Grommet Case Robot Side

CA.SCAG.12P00E	12 OUTx hoses Ø 6	361 g

Pressure Regulator

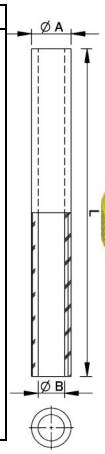


	Hose	
CA.11.06.001	Ø 4	30 g

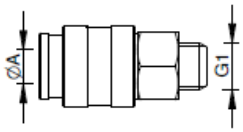
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Hoses

	Color	A	B	L
CA.15.01.011	Neutral	3	1.5	25 mt
CA.15.01.010				
CA.15.01.001	Blue	4	2.5	
CA.15.01.004	Yellow			
CA.15.01.007	Red			
CA.15.01.019	Black			
CA.15.01.020	Green			
CA.15.01.009	Neutral	6	4	
CA.15.01.002	Blue			
CA.15.01.003	Yellow			
CA.15.01.006	Red			
CA.15.01.015	Black			
CA.15.01.014	Green			
CA.15.01.016	Gray			
CA.15.01.012	Neutral	8	5.5	
CA.15.01.005	Yellow			
CA.15.01.008	Red			

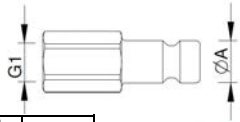


Quick coupling socket

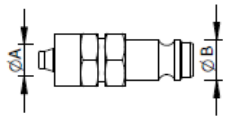


	M*	A	AG 1	
CA.12.06.003	CA.12.06.008	2.5	M5	8 g
CA.12.06.001	CA.12.06.005	5.0	G 1/8	27 g
CA.12.06.007	CA.12.06.006	7	G 1/4	70 g

Plug-In Nipple

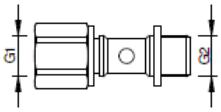


	M*	A	IG 1	
CA.12.06.008	CA.12.06.003	2.5	M5	3 g
CA.12.06.005	CA.12.06.001	5.0	G 1/8	14 g
CA.12.06.006	CA.12.06.007	7	G 1/4	23 g

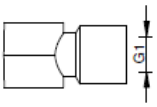


	M*	A Hose	B	
CA.12.06.004	CA.12.06.003	Ø 4	2.5	5 g
CA.12.06.002	CA.12.06.001	Ø 6	5.0	18 g

Pneumatic Hollow bolt



	IG 1	AG 2	M*	
CA.01.08.005	M5	M5	CA.01.08.008	3 g
CA.01.08.003	G 1/8	G 1/8	CA.01.08.004	17 g
CA.01.08.006	G 1/4	G 1/4	CA.01.08.007	28 g



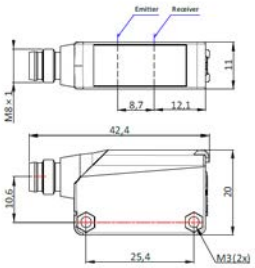
Pneumatic ring connection

	IG 1	M*	
CA.01.08.008	M5	CA.01.08.005	6 g
CA.01.08.004	G 1/8	CA.01.08.003	15 g
CA.01.08.007	G 1/4	CA.01.08.006	20 g

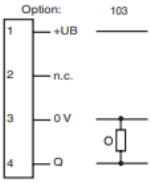
M* = suitable for / passend für / applicabile a / convient à / apto para

Background suppression sensor

New

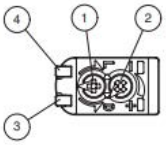


Electrical connection



○ = Light on
● = Dark on

Indicators/operating means

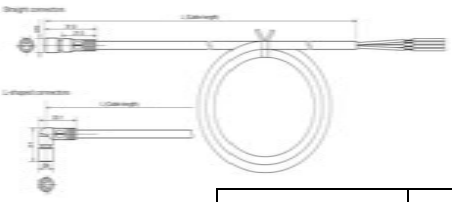


1	Light-Dark-switching	
2	Sensitivity adjuster	
3	Signal display	yellow
4	Operating display	green

PEP.216895	M8 4P PNP 350mm detection range	10 g

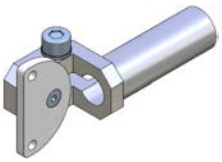
Supply voltage 10 V DC ..... 30 V DC

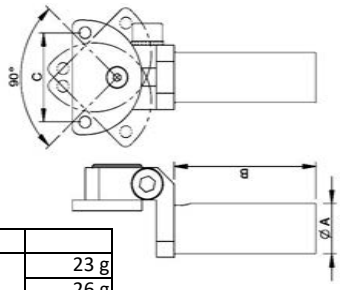
M8 Screw-on cable connectors 4 - wires



	Type	Size
OM.XS3F.M84S5M	Straight connector	M8
OM.XS3F.M84A5M	L - shaped connectors	

Adapter for Part Control

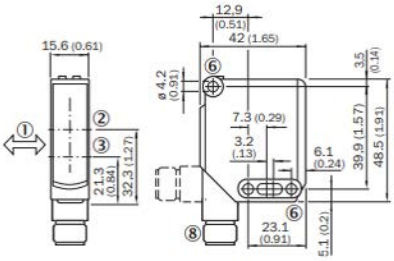




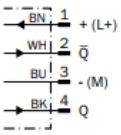
	A	B	C	
CA.ATK.10.10.30	10	30	25	23 g
CA.ATK.10.10.60		60		26 g
CA.ATK.10.10.90		90		29 g
CA ATK.10.14.40	14	40		36 g
CA.ATK.10.14.80		80		44 g
CA.ATK.10.14.120		120		52 g

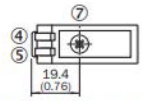
For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Photoelectric proximity sensor, Background suppression

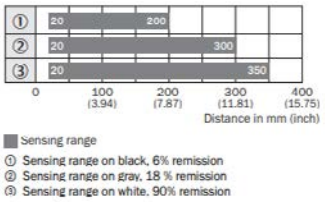


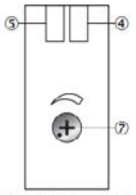
Electrical connection





① Standard direction of the material being detected
② Optical axis, receiver
③ Optical axis, sender
④ LED indicator green: Supply voltage active
⑤ LED indicator yellow: Status of received light beam
⑥ Mounting hole ø 4.2 mm
⑦ Sensing range adjustment: potentiometer
⑧ Connection





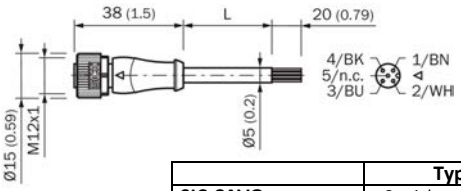
New

④ LED indicator green: Supply voltage active
⑤ LED indicator yellow: Status of received light beam
⑦ Sensing range adjustment: potentiometer

SIC.WTB11.2P2431	M8 4P PNP	13 g
SIC.WTB11.2N2431	M8 4P NPN	

Supply voltage 10 V DC ..... 30 V DC

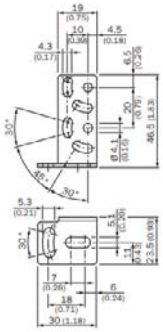
Plug connectors and cables

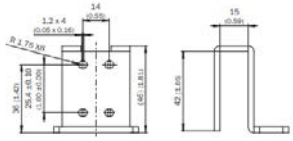


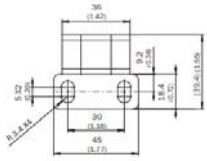
	Type	Size
SIC.CAVO	Straight connector	M12

Mounting Systems

SIC.BEF.WGW12	



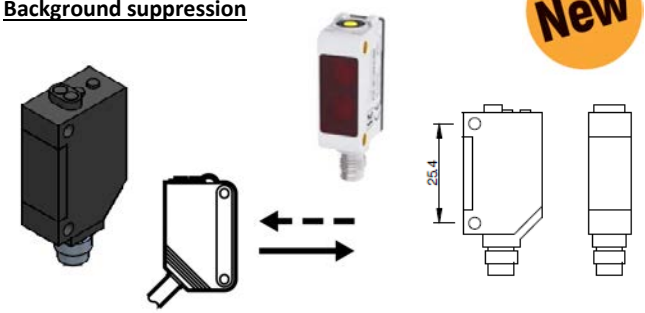




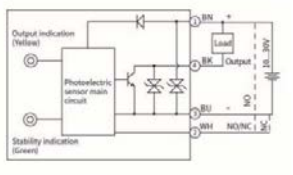
SIC.BEF.SGG601	

Background suppression

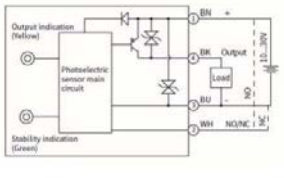
New



	Output	Power supply	Sensor	Sensing	Connector
RSPRO.202.4451	PNP	12 to 24 VDC ±10%	Background suppression	30 to 350 mm	Connector type M8 4pin
OM.E3Z-LS66.OMS	NPN				

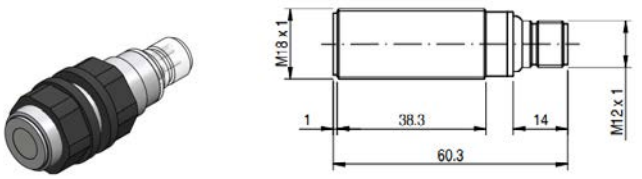


NPN



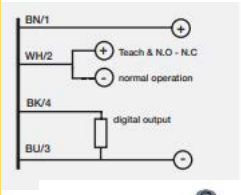
PNP

Ultrasonic Sensor

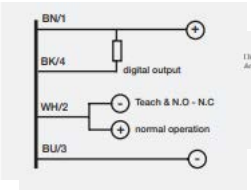


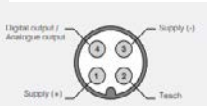
	Output	Connector method	
MMD.UK6AHN0EUL	NPN	Connector type M12 4pin	65 g
MMD.UK6AHP0EUL	PNP		

PNP



NPN

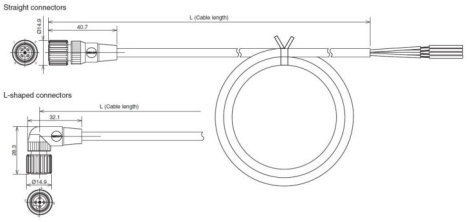




Mounting Bracket

CA.SCM.20.X	

M12 Screw-on cable connectors 4 wires

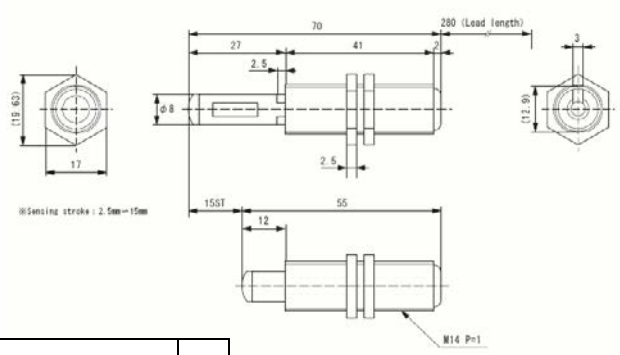


	Type	Size
OM.XS2F.M124S5M	Straight connector	M12
OM.XS2F.M124A5M	L - shaped connectors	

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Star Blue Sensor

New



CA.SSW15	14 g

■ Electrical specifications

	TYPE	SSW-15
Contact point	Contact point type	1A
	Contact position	Off center gap
	Maximum contact capacity	20W
	Maximum open/close voltage	200VDC
	Maximum open/close electric current	0.5A
Electric Characteristic	Turn-on value *1	15-50A *1
	Detecting stroke	2.5mm ~ 15mm
	Open value *1	5A (min)
	Withstand voltage *2	250VDC
Others	Operation temperature	− 25℃ to 80℃
	Useful life	1 × 10^8times / DC10mV-10μA
		1 × 10^7times / DC10V-4mA
		250 × 10^3times / DC20V-0.5A
	Connection method	Code drawing type (280mm)
	Spring force	0.5N

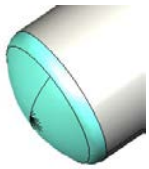
*1 Crossing in shipment : ±2A
*2 Voltage withstanding standard: turn-on value 25A or more

■ Body specifications

TYPE		SSW-15
Weight		20g
Material	Main body	PA
	Shaft	PA
	Rubber head	Silicone
Accessories		Hexagon nut M14 × P1 (2 pcs)

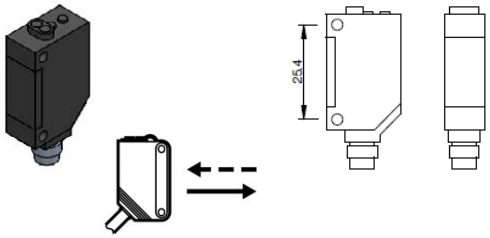
* Do not put a strong shock from the outside.

Replacement rubber head for CA.SSW15



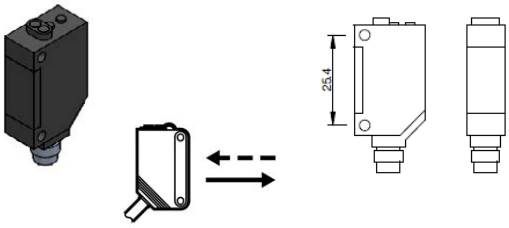
CA.SSW15.RH	14 g

Diffuse reflective



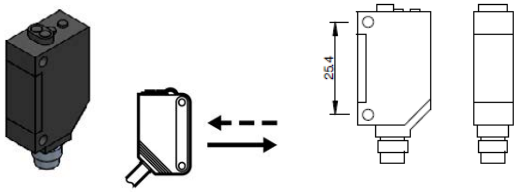
	Output	Power supply voltage	Sensor Type	Sensing distance	Connector method
OM.E3Z-D86.OMS	PNP	12 to 24 VDC ±10%	Diffuse - reflective	5 to 100 mm (wide view)	Connector type M8 4pin
OM.E3Z-D66.OMS	NPN				

Laser Thin beam type (1 mm) reflective model



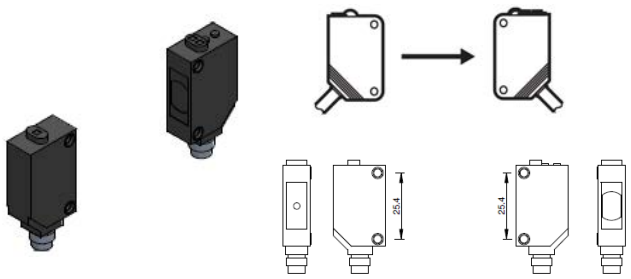
	Output	Power supply voltage	Sensor Type	Sensing distance	Connector method
OM.E3Z-LL86.OMS	PNP	12 to 24 VDC ±10%	Laser Thin beam type reflective model	90 ±30 mm	Connector type M8 4pin
OM.E3Z-LL66.OMS	NPN				

Background suppression (Laser)



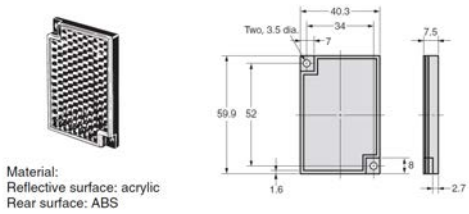
	Output	Power supply voltage	Sensor Type	Sensing distance	Connector method
OM.E3Z-LS86.OMS	PNP	12 to 24 VDC ±10%	Distance-settable	30 to 200 mm	Connector type M8 4pin
OM.E3Z-LS66.OMS	NPN				

Through-beam laser 1 mm



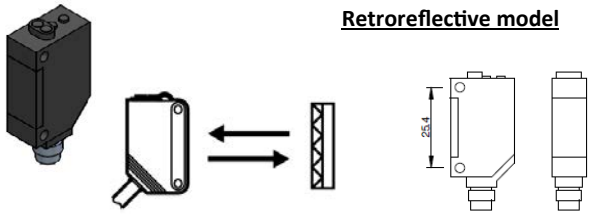
	Output	Power supply voltage	Sensor Type	Sensing distance	Connector method
OM.E3Z-LT86	PNP	12 to 24 VDC ±10%	Through-beam	15 m	Connector type M8 4pin
OM.E3Z-LT66.OMS	NPN				

Reflector (order separately)



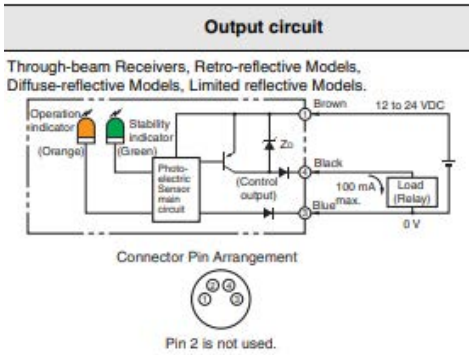
OM.E39-R1S

Retroreflective model

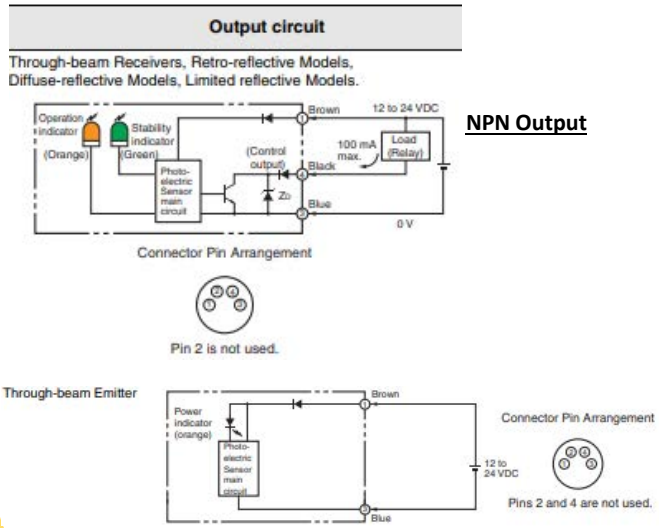


	Output	Power supply voltage	Sensor Type	Sensing distance	Connector method
OM.E3Z-R86.OMS	PNP	12 to 24 VDC ±10%	Retroreflective model	4 m	Connector type M8 4pin
OM.E3Z-R66.OMS	NPN				

PNP Output



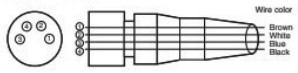
NPN Output



For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Plugs (Sensor I/O Connectors)

M8 connector

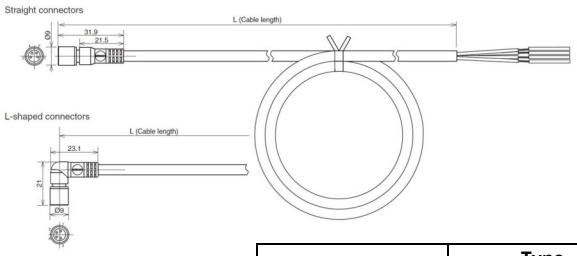


Pin arrangement

Classification	Wire color	Connector pin No.	Application
DC	Brown	1	Power supply (+V)
	White	2	–
	Blue	3	Power supply (0 V)
	Black	4	Output

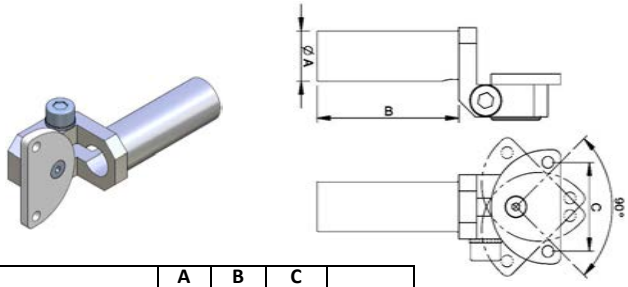
Note: Pin 2 is not used.

M8 Screw-on cable connectors 4 - wires



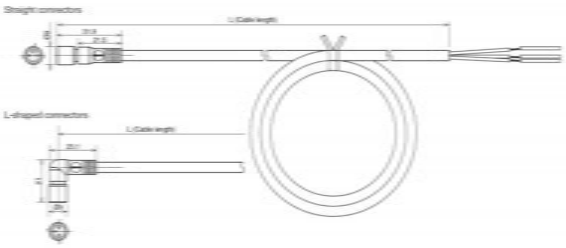
	Type	Size
OM.XS3F.M84S5M	Straight connector	M8
OM.XS3F.M84A5M	L - shaped connectors	

Adapter for Part Control



	A	B	C	
CA.ATK.10.10.30	10	30	25.4	23 g
CA.ATK.10.10.60		60		26 g
CA.ATK.10.10.90		90		29 g
CA ATK.10.14.40	14	40		36 g
CA.ATK.10.14.80		80		44 g
CA.ATK.10.14.120		120		52 g

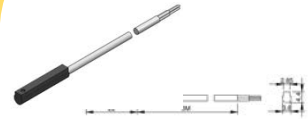
M8 Screw-on cable connectors 3 - wires



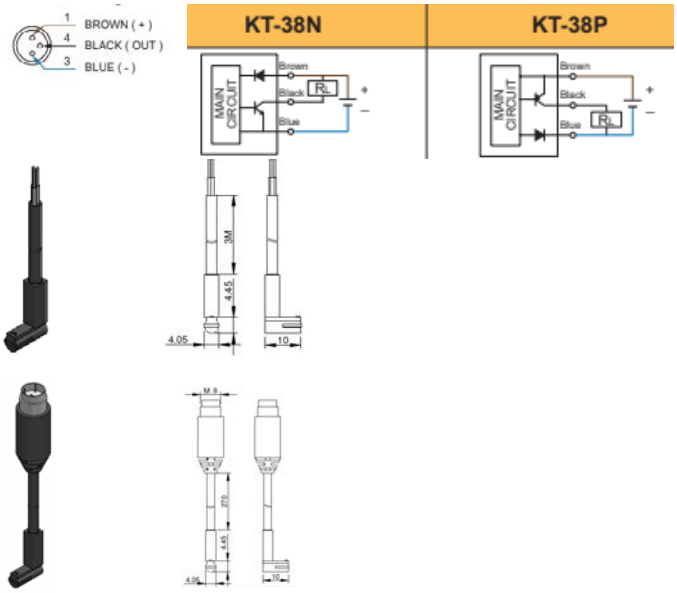
	Type	Size
OM.XS3F.M83S5M	Straight connector	M8
OM.XS3F.M83A5M	L - shaped connectors	

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Electronic Sensor

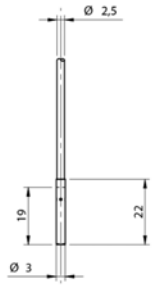


	Sensor with cable	
KT58PM8	3 wires electroic PNP normally Open	4 g
KT58P3M	3 wires electronic PNP normally Open mt 3 cable	
KT58NM8	3 wires electroic NPN normally Open	
KT58N3M	3 wires electronic NPN normally Open mt 3 cable	

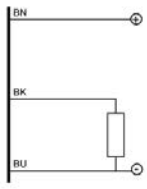


CYLINDRICAL MINIATURIZED INDUCTIVE SENSORS

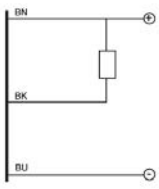
		Sensor with cable	
MMD.AA1.AP3A	Ø 3	3 wires PNP normally Open mt 2 cable	30 g
MMD.AA1.AN3A	Ø 3	3 wires NPN normally Open	

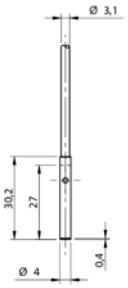


PNP



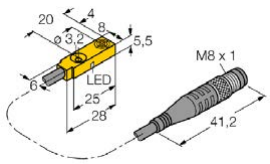
NPN



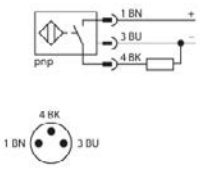


		Sensor with cable	
MMD.AC1.AP3A	Ø 4	3 wires PNP normally Open mt 2 cable	30 g
MMD.AC1.AN3A	Ø 4	3 wires NPN normally Open	

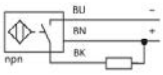
Inductive Sensor



PNP

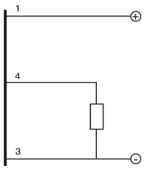


NPN

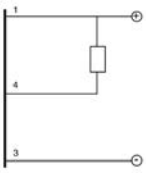


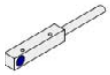
	Sensor with cable	
GRZ.20.SC.PNP	INDUCTIVE SENSOR PNP normally OpenM8	30 g
GRZ.20.SC.NPN	INDUCTIVE SENSOR NPN normally OpenM8	

PNP

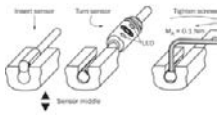


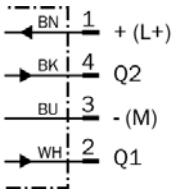
NPN



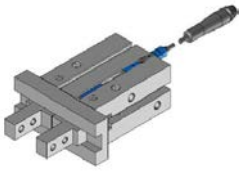


	Sensor with cable	
MMD.IL5AP3AVF80	INDUCTIVE SENSOR PNP normally Open M8 plug connector	15 g
MMD.IL5AN3AVF80	INDUCTIVE SENSOR NPN normally Open M8 plug connector	





	Output	Connector method	
CA.SCP.1008	PNP	Connector type M8 4pin	65 g
CA.SCP.1012			



	Output	Connector method	
SIC.MZ2QCSSPSKP0	PNP	Connector type M8 4pin	

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

Sensor Box

	Power supply	INputs	OUTputs
CA.SDS.02	24 V dc (+/- 10%)	Maximum 2 PNP, NPN or dry contact (NO or NC) sensor switched by jumper	1up to 2PNP, NPN or dry contact (NO or NC) outputs switched by jumpers
CA.SDS.04		Maximum 4 PNP, NPN or dry contact (NO or NC) sensor switched by jumper	1 up to 4 PNP, NPN or dry contact (NO or NC) outputs switched by jumpers
CA.SDS.06		Maximum 6 PNP, NPN or dry contact (NO or NC) sensor switched by jumper	1 up to 6 PNP, NPN or dry contact (NO or NC) outputs switched by jumpers
CA.SDS.08		Maximum 8 PNP, NPN or dry contact (NO or NC) sensor switched by jumper	1 up to 8 PNP, NPN or dry contact (NO or NC) outputs switched by jumpers

Functioning and set up

WIRING

INputs

1) Wire the Input sensors like the red section in the drawing below.
2) Mount the JPC (jumpers) on each sensor wired as PNP or NPN, according to the sensor your are using.
3) Do not mount any jumoers on INputs which are not used

OUTputs

1) Possibility to wire 1 to 8 outputs.
2) In case of utilizing one OUT with various IN, always wire the last OUT
3) NB without mounting the JPC contact NO and NC the outputs will be diverted to IN
4) Mount all the JPC's on PNP or NPN according to the desired outputs

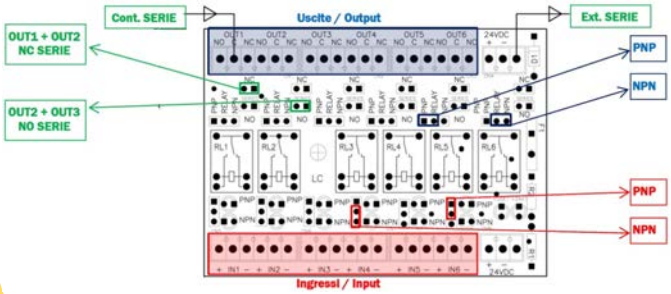
ELECTRICAL SUPPLY

1) Connect the 24 V dc (±10%)
2) Always utilize the connector positioned at the end of the OUT connectors

SERIAL CONNECTION

1) Possibility to connect several electrical boards between each other
2) Always connect the 3° PIN of the electrical connector with the common 2° PIN comune (C) of the next electrical board

Example



New

CA.19.03.002	25 pin M	25 g

CA.19.03.003	25 pin F	25 g

CA.19.03.001	25 pin M	10 g

CA.19.03.004	24 pin M	25 g

New

CA.19.03.005	24 pin F	25 g

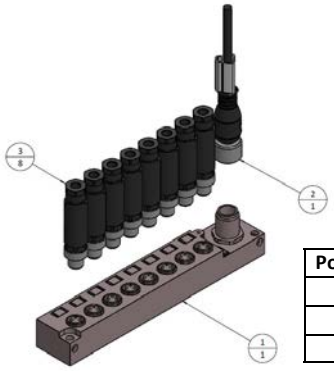
PAX.1501252	M8 3P M	15 g

PAX.1506888	M8 3P F	15 g

PAX.1501265	M8 4P M	15 g

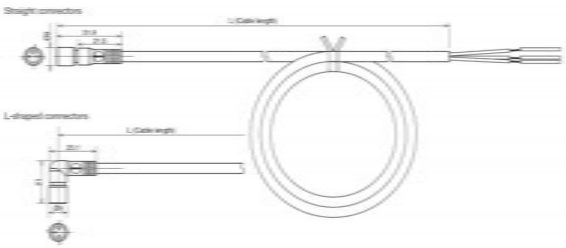
PAX.1506891	M8 4P F	15 g

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*



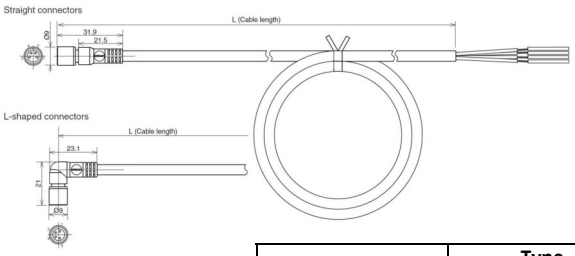
Position	code	Qty
1	WEI.1871680000	1
2	WEI.1879710500	1
3	PAX.1501252	8

M8 Screw-on cable connectors 3 - wires



	Type	Size
OM.XS3F.M83S5M	Straight connector	M8
OM.XS3F.M83A5M	L - shaped connectors	

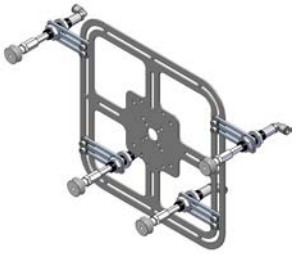
M8 Screw-on cable connectors 4 - wires

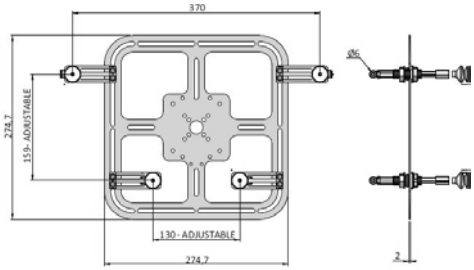


	Type	Size
OM.XS3F.M84S5M	Straight connector	M8
OM.XS3F.M84A5M	L - shaped connectors	

M* = suitable for / passend für / applicabile a / convient à / apto para

KIT.MA01





COMPONENTS	DESCRIPTION	QTY	
CA.04.20.14.X	Mounting Bracket 14	4	45 g
CA.08.09.009	Adapters for vacuum cups G 1/8		3 g
CA.08.30.005	Vacuum Cup with 2 bellows only (silicone) D. 25 mm		5 g
CA.12.05.003	Orienting elbow male adapter (parallel) G 1/8 6 mm		8 g
CA.SDNG.1420	Threaded-body non-rotative Suspension D. 14 Stroke 20 mm		33 g
PIA.275X275X2	Basic EOAT Plate 275x275x2 inox	1	516 g

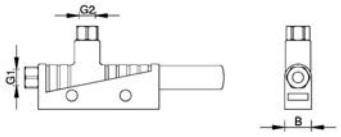
CA.VSX.LOCTITE

Glue bonding procedure pad Rubber in Lay on pad holder Aluminium

1) Surface cleaning of Rubber in Lay with sandpaper
2) Surface cleaning of Aluminium with sandpaper
3) Put Primer LOCTITE 770 on pad RUBBER in Lay
4) Put glue LOCTITE 406 on pad holder Aluminium
5) Stick pad Rubber in Lay on pad holder Aluminium

For any further information, please refer to drawings on www.fps-eoat.it *Drawings not to scale*

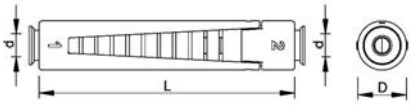
Basic ejector



	Suction rate (max)	G1	G2	B	Ø	
CA.SBP.10.G02	37.7 l/min	G 1/8	G 1/8	10	1	22 g
CA.SBP.15.G02	71 l/min			15	1.5	
CA.SBP.20.G03	127 l/min	G 1/4	G 3/8	20	2.0	50 g

Pressure optimal 4,5 bar
Degree of evaquation 85 %

Inline ejector



	Suction rate (max)	d	D	L	Ø	
CA.SLP.05.SI	8 l/min	4	10	57	0.5	5 g
CA.SLP.07.SI	15.9 l/min				0.7	

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