

garni

Panoramica prodotti 

Products overview 

Produktübersicht 

Gamme de produits 

Gama de productos 

Gama de produtos 

Ürünler 

製品一覧表 

P
L
A
S
T
I
C
S

Distributori Plastics
Distributors of Plastics products
Vertriebspartner Plastics
Distributeurs Plastics
Distribuidores Plastics
Distribuidores Plastics

10/09/2014



CONSOCIATE ITALIANE

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www.gimatradebrescia.it

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Trieste e Gorizia*

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Emilia Romagna

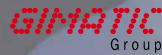
GIMATRADE EMILIA S.r.l.

Via Medesano, 19
43015 Noceto (PR)
Tel. +39 0521 625 211
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Latvia/Lettland/Lettonie/Letonia/Letônia,

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www.repac.co.il

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111141 Moscow - RUSSIA
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Fax +74 957 270 529
info@ibcplastic.ru
www.ibcplastic.ru

AFRICA

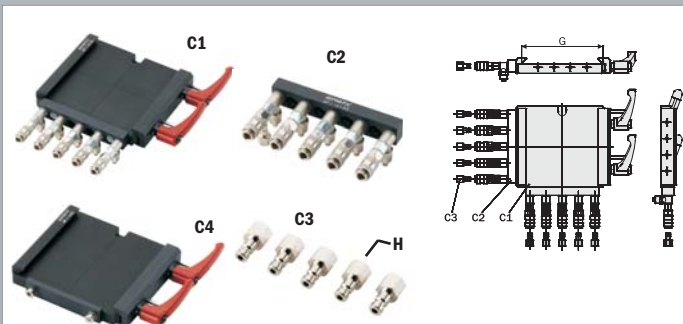
South Africa/Südafrika/République Sud-Africaine/

Sudáfrica/África do Sul

PLASTIC & CHEMICAL TRADING

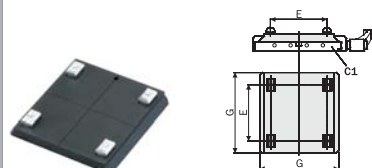
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Ph. +27 11 483 3015
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matt@plastrading.com

Moduli di fissaggio
Modular clamping system
Klemmstücke
Modules de fixation
Módulos de fijación
Módulos de fixação
Modüler bağlantı sistemi
クランプ・モジュール



Cambia utensile (lato robot) / Quick changer (robot side) / Schnellwerkzeugwechsler (Roboterseite) / Changeur d'outil rapide (Côté robot) / Cambio rápido (lado robot) / Mudança rápida (lado do robot) / Çabuk değiştirici (robot tarafı) / 工具チェンジャー (ロボット側)

		G [mm]	H	m [g]	N°
MFI-A130	C1	100		620	
MFI-A131	C1	160		1650	
MFI-A133	C2			140	
MFI-A132	C2			450	
MFI-A135	C3		M5	17 (x5)	
MFI-A134	C3		G1/8	40 (x5)	
MFI-A40	C4			500	
MFI-A42	C4			1270	



Cambia utensile (lato pinza) / Quick changer (gripper side) / Schnellwerkzeugwechsler (Greiferseite) / Changeur d'outil rapide (Côté pince) / Cambio rápido (lado garra) / Mudança rápida (lado da mão de presa) / Çabuk değiştirici (tutucu tarafı) / 工具チェンジャー (グリッパ側)

	E [mm]	G [mm]	m [g]
MFI-A41	70	100	270
MFI-A43	120	160	670



Profili estrusi / Extruded profiles / Alu profiles / Profilé-filé / Perfiles de extrusión / Perfis extrudidos / Çekme Profiller / 押出プロフィール

	L [m]	m [g]
EMB-2017-1000	1	340
EMB-2017-2000	2	680
EMB-3026-1000	1	700
EMB-3026-2000	2	1400
EMB-5045-1000	1	1665
EMB-5045-2000	2	3330

(1)

Confezione da 10 pezzi / 10 pieces package / 10 Stück Packung / Vendu par 10 pièces / Paquete de 10 piezas / Embalagem de 10 peças / Her paket 10 Adettir / 10個入りパック



Profili estrusi / Extruded profiles / Alu profiles / Profilé-filé / Perfiles de extrusión / Perfis extrudidos / Çekme Profiller / 押出プロフィール

	L [m]	m [g]
EMB-1018-1000	1	250
EMB-1018-2000	2	500
EMB-1818-1000	1	380
EMB-1818-2000	2	760
EMB-2510-1000	1	280
EMB-2510-2000	2	560
EMB-2518-1000	1	400
EMB-2518-2000	2	800
EMB-2525-1000	1	610
EMB-2525-2000	2	1220
EMB-5025-1000	1	1040
EMB-5025-2000	2	2080
EMB-4040-1000	1	1300
EMB-4040-2000	2	2600
EMB-8040-1000	1	2180
EMB-8040-2000	2	4360



Profili estrusi / Extruded profiles / Alu profiles / Profilé-filé / Perfiles de extrusión / Perfis extrudidos / Çekme Profiller / 押出プロフィール

	L [m]	m [g]
MF-20-1000	1	230
MF-30-1000	1	444



Tappi / Plugs / Verschluss / Bouchon / Tapones / Tampas / Profil kapağı / プラグ

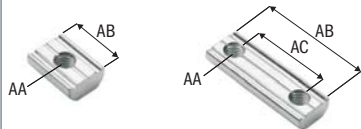
MFI-A21	EMB-2525, EMF-2525	(1)
MFI-A22	EMB-5025, EMF-5025	(1)
MFI-A23	EMB-1818, EMF-1818	(1)
MFI-A24	EMB-1018, EMF-1018	(1)
MFI-A25	EMB-4040, EMF-4040	(1)
MFI-A26	EMB-8040, EMF-8040	(1)
MFI-A27	EMB-2510, EMF-2510	(1)
MFI-A28	EMB-2518, EMF-2518	(1)
MFP-K21	MF-30	(1)
MFP-K22	MF-20	(1)
MFP-K28	EMB-3026	(1)
MFP-K29	EMB-2017	(1)
MFP-K50	EMB-5045	(1)

Moduli di fissaggio
Modular clamping system
Klemmstücke
Modules de fixation
Módulos de fijación
Módulos de fixação
Modüler bağlantı sistemi
クランプ・モジュール



Interfaccia / Interface / Schnittstelle / Interface / Interfaz / Interface / Arayüz /
インターフェイス

			m [g]
MFI-A277	NEW	QC50-B	90
MFI-A102		QC90-B	160
MFI-A103		QC150-B / QC160-B	490
MFI-A276	NEW	QC200-B	1300



Dadi / T-Nuts / Mutter / Écrous / Tuercas / Porcas em T / Somunlar /
ナット

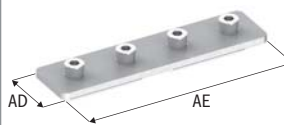
	AA	AB [mm]	AC [mm]	m [g]
MFI-177	M4	15		5
MFI-025	M5	15		5
MFI-178	M6	15		5
MFI-003	M4	16	8	5
MFI-006	M5	20	10	7
MFI-009	M5	25	15	9
MFI-148	M5	25	17	9
MFI-016	M5	32	22	11
MFI-027	M5	35	25	13
MFI-055	M5	38	28	14
MFI-050	M5	40	30	15
MFI-029	M5	45	35	16
MFI-020	M5	50	40	18
MFI-043	M5	60	50	22
MFI-022	M5	70	60	26
MFI-045	M5	100	90	38
MFI-243	(4)			2

(4)
Dado last-minute / Last-minute nut / Last-minute Mutter / Écrou dernière minute /
Tuerca último minuto / Porca ultimo minuto / Son dakika somunu /
ラストミニッツナット



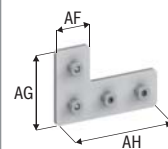
Staffa in acciaio inox per fissaggio a 90° di profili / Stainless steel angle bracket for
profiles / Winkelverbinder 90° aus Edelstahl für Profile / Bride à angle droit en acier
inox pour fixation / Escuadra para la unión de perfiles / Suporte com ângulo 90° para
fixação dos perfis / Profiller için paslanmaz çelik köşe bağlantı braketi /
プロフィルの90度固定用ステンレス・ブラケット

		m [g]
MFI-A140	24x24 mm	33
MFI-A141	49x49 mm	82



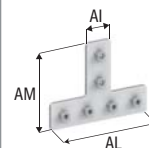
Piastra di fissaggio dritta / Straight fixing plate / Gerade Befestigungsplatte / Plaque
de fixation droite / Placa de fijación directa / Placa de fixação direita / Düz bağlantı
braketi /
ストレート固定版

	AD [mm]	AE [mm]	m [g]
MFI-A226	25	50	45
MFI-A227	25	100	95
MFI-A228	40	160	195



Piastra di fissaggio a L / L-shaped fixing plate / L-förmige Befestigungsplatte / Plaque
de fixation en L / Placa de fijación en L / Placa de fixação em L / L bağlantı braketi /
L形固定版

	AF [mm]	AG [mm]	AH [mm]	m [g]
MFI-A232	25	50	50	70
MFI-A233	25	50	75	95
MFI-A234	40	80	120	200



Piastra di fissaggio dritta / Straight fixing plate / T-förmige Befestigungsplatte / Plaque
de fixation en T / Placa de fijación en T / Placa de fixação em T / T bağlantı braketi /
ストレート固定版

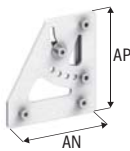
	AI [mm]	AL [mm]	AM [mm]	m [g]
MFI-A229	25	50	75	95
MFI-A230	25	100	75	145
MFI-A231	40	120	110	250



Piastra di fissaggio a 45° / 45° fixing plate / 45-Grad-Befestigungsplatte / Plaque de
fixage à 45° / Placa de fijación a 45° / Placa de fixação a 45° / 45° bağlantı braketi /
45度固定版

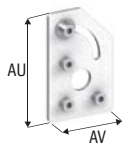
	m [g]
MFI-A221	100

Moduli di fissaggio
Modular clamping system
Klemmstücke
Modules de fixation
Módulos de fijación
Módulos de fixação
Modüler bağlantı sistemi
クランプ・モジュール



Piastra di fissaggio con angolo regolabile / Fixing plate with adjustable angle / Befestigungsplatte mit einstellbarem Winkel / Plaque de fixation à angle réglable / Placa de fijación con ángulo regulable / Placa de fixação com ângulo regulável / Açı ayarlanabilir bağlantı braketi / 角度調整可能固定版

	AN [mm]	AP [mm]	m [g]
MFI-A222	60	85	130
MFI-A223	90	95	215
MFI-A224	70	100	175



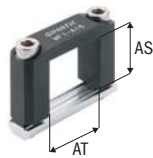
Piastra di fissaggio con angolo regolabile / Fixing plate with adjustable angle / Befestigungsplatte mit einstellbarem Winkel / Plaque de fixation à angle réglable / Placa de fijación con ángulo regulable / Placa de fixação com ângulo regulável / Açı ayarlanabilir bağlantı plakası / 角度調整可能固定版

	AU [mm]	AV [mm]	m [g]
MFI-A225	80	50	115



Piastra per fissaggio a croce di profili / Cross mounting bracket for profiles / Kreuzplatte für Profile / Bride pour fixation à croix de profiles / Placa para la unión de perfiles en cruz / Suporte para fixação em cruz dos perfis / Profilör için çapraz montaj braketi / プロフィルのクロス固定版

	AQ [mm]	AR [mm]	m [g]
MFI-A175	18	18	40
MFI-A265	18	25	60
MFI-A11	25	25	75
MFI-A12	50	50	170
MFI-A13	25	50	155
MFI-A29	40	40	85
MFI-A30	80	80	255
MFI-A31	40	80	175
MFI-A32	25	80	140
MFI-A33	25	40	75



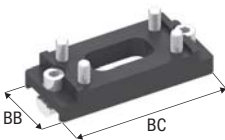
Staffa (quadra) per fissaggio a croce / Cross (square) joint connector / Kreuzverbinder (quadratisch) / Bride (carrée) pour fixation à croix / Abrazadera (cuadrada) para la fijación en cruz / Suporte (quadrado) para fixação em cruz / Kare montaj braketi / クロス固定用 (四角い) マウンティング・ブラケット

	AS [mm]	AT [mm]	m [g]
MFI-A244	18	18	32
MFI-A16	25	25	45
MFI-A17	50	25	65
MFI-A18	25	50	50



Staffa (tonda) per fissaggio a croce / Cross (round) joint connector / Kreuzverbinder (rund) / Bride (ronde) pour fixation à croix / Abrazadera (redonda) para la fijación en cruz / Suporte (redondo) para fixação em cruz / Köprü montaj braketi / クロス固定用 (丸い) マウンティング・ブラケット

	BA [mm]	m [g]
MFI-A156	Ø10	15
MFI-A37	Ø14	32
MFI-A38	Ø20	45
MFI-A39	Ø30	75
MFI-A178	Ø50	150



Fissaggio verticale profili / Vertical fastening of the profiles / Senkrechte Befestigung der Profile / Fixage verticale des profils / Brida de fijación vertical / Fixação vertical dos perfis / Profil dikey bağlantısı / プロフィルの縦固定

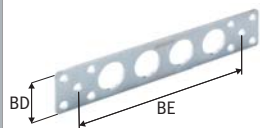
	BB [mm]	BC [mm]	m [g]
MFI-A217	30	50	65
MFI-A218	30	70	85
MFI-A219	55	50	110
MFI-A220	55	75	140



Interfaccia per braccio a sbalzo / Interface for square profile / Schnittstelle für Kragarm / Interface pour bras en porte-à-faux / Interface para brazo en voladizo / Interface para encastrar perfil / Kare profilör için arayüz / アーム用インターフェイス

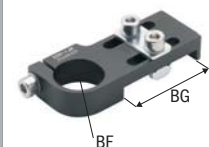
	m [g]
MFI-A254	680
MFI-A255	1300

Moduli di fissaggio
Modular clamping system
Klemmstücke
Modules de fixation
Módulos de fijación
Módulos de fixação
Modüler bağlantı sistemi
クランプ・モジュール



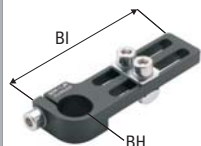
Connettore piatto dritto / Flat straight connector / Endplatte / Connecteur plat droit / Conector plano recto / Conector plano direito / Profil paralel birleştiricisi / 平ストレートコネクタ

	BD [mm]	BE [mm]	m [g]
MFI-A101	25	76	50
MFI-A19	25	120	60
MFI-A201	25	130	65
MFI-A100	50	76	75
MFI-A20	50	120	100
MFI-A202	50	130	110



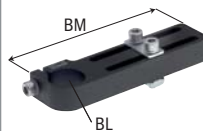
Staffa / Mounting bracket / Winkelklemmstück / Bride de fixation / Unión de montaje / Suporte de fixação / Montaj braketi / マウンティング・ブラケット

	BF [mm]	BG [mm]	m [g]
MFI-A01	Ø10	18	20
MFI-A270	Ø10	25	23
MFI-A02	Ø14	25	34
MFI-A204	Ø20	25	45
MFI-A03	Ø20	40	48



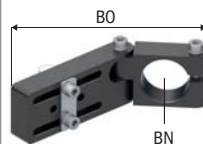
Staffa / Mounting bracket / Winkelklemmstück / Bride de fixation / Unión de montaje / Suporte de fixação / Montaj Braketi / マウンティング・ブラケット

	BH [mm]	BI [mm]	m [g]
MFI-A04	Ø10	70	23
MFI-A05	Ø14	75	38
MFI-A06	Ø14	85	40
MFI-A07	Ø20	105	55
MFI-A08	Ø30	115	95



Staffa robusta / Heavy duty mounting bracket / Schwerlast-Winkelklemmstück / Bride robuste / Unión de montaje robusta / Abraçadeira resistente / Ağır şartlar için montaj braketi / 丈夫なマウンティング・ブラケット

	BL [mm]	BM [mm]	m [g]
MFI-A207	Ø10	70	30
MFI-A209	Ø14	85	60
MFI-A205	Ø20	105	85
MFI-A206	Ø30	115	175



Staffa robusta / Heavy duty mounting bracket / Schwerlast-Winkelklemmstück / Bride robuste / Unión de montaje robusta / Abraçadeira resistente / Kanallı açılı braket / 丈夫なマウンティング・ブラケット

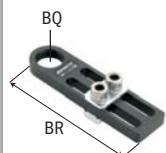
	BN [mm]	BO [mm]	m [g]
MFI-A250	Ø10	64,5	30
MFI-A251	Ø14	85	50
MFI-A252	Ø20	107	90
MFI-A253	Ø30	135,5	185



Staffa / Mounting bracket / Winkelklemmstück / Bride de fixation / Unión de montaje / Suporte de fixação / Montaj braketi / マウンティング・ブラケット

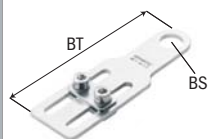
	EMF	BP [mm]	m [g]
MFI-A09	2525, 5025	Ø14	50
MFI-A10	2525, 5025	Ø20	70
MFI-A36	4040, 8040	Ø20	95
MFI-A34	2525, 5025	Ø30	90
MFI-A35	4040, 8040	Ø30	150

Moduli di fissaggio
Modular clamping system
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Módulos de fijación
Módulos de fixação
Modüler bağlantı sistemi
クランプ・モジュール



Staffa / Mounting bracket / Winkelklemmstück / Bride de fixation / Unión de montaje /
Suporte de fixação / Montaj braketi /
マウンティング・ブラケット

	BQ [mm]	BR [mm]	m [g]
MFI-A104	G1/8"	75	25
MFI-A105	G1/8"	105	42
MFI-A106	M10x1	75	30
MFI-A107	M10x1	105	40
MFI-A266	M12x1	75	35
MFI-A267	M12x1	105	50
MFI-A108	M14x1	75	20
MFI-A109	M14x1	105	40
MFI-A210	M14x1.5	75	20
MFI-A211	M14x1.5	105	40
MFI-A110	M16x1	75	20
MFI-A111	M16x1	105	40
MFI-A112	M20x1.5	75	30
MFI-A113	M20x1.5	105	35
MFI-A268	M25x1.5	85	55
MFI-A269	M25x1.5	115	70
MFI-A114	-	75	25
MFI-A115	-	105	40



Staffa / Mounting bracket / Winkelklemmstück / Bride de fixation / Unión de montaje /
Suporte de fixação / Montaj braketi /
マウンティング・ブラケット

	BS [mm]	BT [mm]	m [g]
MFI-A116	Ø10.5	100	60
MFI-A117	Ø12.5	100	60
MFI-A118	Ø14.5	100	60
MFI-A119	Ø16.5	100	65
MFI-A120	Ø20.5	100	60
MFI-A181	Ø22.5	100	105
MFI-A182	Ø25.5	100	100
MFI-A121	Ø10.5	65	45
MFI-A122	Ø12.5	65	45
MFI-A123	Ø14.5	65	45
MFI-A124	Ø16.5	65	45
MFI-A125	Ø20.5	65	40
MFI-A183	Ø22.5	70	75
MFI-A184	Ø25.5	70	70



Staffa per attacco diretto ventosa / Direct connector for vacuum cup / Saugeranschluss
/ Bride de fixation directe pour ventouse / Soporte para la unión directa de la ventosa /
Suporte de fixação directa para ventosa / Vantuz doğrudan montaj braketi /
真空キャップへの直マウンティング・ブラケット

	CA [mm]	CB [mm]	m [g]
MFI-A46	G1/8"	G1/8"	42
MFI-A47	G1/8"	G1/4"	40



Staffa per ventosa / Mounting bracket for vacuum cup / Winkelstück für Saugnapf /
Bride pour ventouse / Soporte para la unión directa de la ventosa / Suporte de fixação
directa para ventosa / Vantuz montaj braketi /
真空キャップ用マウンティング・ブラケット

	CC [mm]	CD [mm]	m [g]
MFI-A48	M5	M5	15
MFI-A49	G1/8"	G1/8"	45
MFI-A50	G1/8"	G1/4"	45



Staffa lunga per ventosa / Long mounting bracket for vacuum cup / Langes
Winkelstück für Saugnapf / Bride longue pour ventouse / Soporte largo para ventosa /
Suporte longo para ventosa / Vantuz montaj uzun braketi /
真空キャップ用長いマウンティング・ブラケット

	CE [mm]	CF [mm]	m [g]
MFI-A51	M5	M5	20
MFI-A52	G1/8"	G1/8"	60
MFI-A53	G1/4"	G1/8"	60



Staffa ad angolo regolabile per ventosa / Adjustable angle connector for vacuum cup
/ Winkelstück 360° drehbar für Saugnapf / Bride angulaire pour ventouse / Soporte
de ángulo regulable para ventosa / Suporte angular para ventosa / Vantuz için açısı
ayarlanabilir montaj braketi /
角度調節可能な真空キャップ用マウンティング・ブラケット

	CG [mm]	CH [mm]	m [g]
MFI-A54	M5	M5	15
MFI-A55	G1/8"	G1/8"	45
MFI-A56	G1/4"	G1/8"	42

Moduli di fissaggio
Modular clamping system
Klemmstücke
Modules de fixation
Módulos de fijación
Módulos de fixação
Modüler bağlantı sistemi
クランプ・モジュール



Gambo per ventosa / Leg for vacuum cup / Greifarm für Saugnapf / Bras porte ventouse / Mango para ventosa / Haste para ventosa / Vantuz uzatma aparatı / 真空キャップ用レッグ

	CNxCM [mm]	CI [mm]	CL [mm]	m [g]
MFI-A170	Ø10x30	M5	M5	10
MFI-A171	Ø10x60	M5	M5	13
MFI-A172	Ø10x90	M5	M5	17
MFI-A71	Ø14x40	G1/8"	G1/8"	17
MFI-A72	Ø14x80	G1/8"	G1/8"	25
MFI-A73	Ø14x120	G1/8"	G1/8"	32
MFI-A74	Ø20x50	G1/4"	G1/8"	40
MFI-A75	Ø20x100	G1/4"	G1/8"	60
MFI-A76	Ø20x150	G1/4"	G1/8"	75



Gambo con cravatta / Clamp leg / Winkelarm mit Klemmstück / Bras avec élément de serrage / Abrazadera con mango / Haste com elemento de aperto / Uzatma aparatı / 真空キャップ用締付けレッグ

	CQ x CP [mm]	CO [mm]	m [g]
MFI-A93	Ø10x15	Ø10	8
MFI-A158	Ø10x30	Ø10	10
MFI-A159	Ø10x60	Ø10	15
MFI-A160	Ø10x90	Ø10	20
MFI-A157	Ø14x20	Ø14	15
MFI-A161	Ø14x40	Ø14	20
MFI-A162	Ø14x80	Ø14	30
MFI-A163	Ø14x120	Ø14	40
MFI-A94	Ø20x25	Ø20	35
MFI-A77	Ø20x50	Ø20	45
MFI-A78	Ø20x100	Ø20	70
MFI-A79	Ø20x150	Ø20	105
MFI-A95	Ø20x25	Ø30	60
MFI-A203	Ø30x40	Ø30	130
MFI-A164	Ø30x80	Ø30	170
MFI-A165	Ø30x140	Ø30	230
MFI-A166	Ø30x200	Ø30	300



Blocco distributore laterale / Side manifold block / Verteilerblock / Bloc distributeur latéral / Bloque distribuidor lateral / Bloco de distribuição lateral / Yan manifold bloğu / 側マニホールドブロック

	CR	m [g]
MFI-A68	G1/8" (n°5)	30
MFI-A69	G1/8" (n°9)	50
MFI-A70	G1/8" (n°10)	48



Blocco distributore / Manifold block / Luftverteiler / Bloc distributeur / Bloque distribuidor / Bloco distribuidor / 4'lü manifold bloğu / マニホールドブロック

	CS	m [g]
MFI-A66	G1/8" (x5)	50
MFI-A67	G1/4" (x5)	80



Supporto orientabile / Swivelling support / Schwenkbare Halterung / Support orientable / Soporte orientable / Suporte orientável / Ayarlanabilir destek / スイベル・サポート

	CV [mm]	CT	m [g]
MFI-A212	Ø20	G1/8"	30
MFI-A213	Ø20	M16x1	40



Blocco di connessione a croce / Cross connection block / Kreuz-Verbindungsblock / Bloc de connexion en croix / Bloque de conexión en cruz / Bloco de ligação em cruz / Çapraz bağlama bloğu / クロス接続のブロック

	DA [mm]	DB [mm]	m [g]
MFI-A214	Ø20	Ø10	40
MFI-A215	Ø20	Ø14	45
MFI-A216	Ø20	Ø20	70



Gomito con cravatta / Elbow arm / Gelenkarm mit Klemmstück / Bras de préhension ajustble / Codo con abrazadera / Braço de fixação ajustável / Açısı ayarlanabilir uzatma aparatı / エルボーアーム

	DC x DE [mm]	DD [mm]	m [g]
MFI-A59	Ø10x60	Ø10	20
MFI-A60	Ø14x40	Ø14	32
MFI-A61	Ø14x80	Ø14	42
MFI-A62	Ø14x120	Ø14	50
MFI-A63	Ø20x50	Ø20	70
MFI-A64	Ø20x100	Ø20	90
MFI-A65	Ø20x150	Ø20	120
MFI-A167	Ø30x80	Ø30	235
MFI-A168	Ø30x140	Ø30	300
MFI-A169	Ø30x200	Ø30	360

Moduli di fissaggio
Modular clamping system
Klemmstücke
Modules de fixation
Módulos de fijación
Módulos de fixação
Modüler bağlantı sistemi
クランプ・モジュール



Snodo robusto con cravatta / Heavy duty elbow arm / Schwerlast-Gelenkarm mit Klemmstück / Coude robuste avec cravate / Codo con abrazadera robusto / Haste com ajuste angular resistente / Ağır şartlar için açısı ayarlanabilir uzatma aparatı / 丈夫なエルボーアーム

	DF x DE [mm]	DG [mm]	m [g]
MFI-A195	Ø20x50	Ø20	95
MFI-A199	Ø20x100	Ø20	115
MFI-A200	Ø20x150	Ø20	130
MFI-A196	Ø30x80	Ø30	330
MFI-A197	Ø30x140	Ø30	380
MFI-A198	Ø30x200	Ø30	435



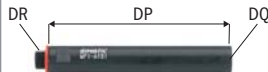
Gomito per ventosa / Elbow arm for vacuum cup / Gelenkarm für Saugnapf / Bras porte ventouse ajustable / Codo para ventosa / Braço porta ventosa ajustável / Açısı ayarlanabilir vantuz uzatma aparatı / 真空キャップ用エルボーアーム

	DI x DH [mm]	DL [mm]	m [g]
MFI-A142	Ø10x45	M5	18
MFI-A143	Ø10x90	M5	27
MFI-A144	Ø14x60	G1/8"	33
MFI-A145	Ø14x120	G1/8"	50
MFI-A146	Ø20x78	G1/8"	60
MFI-A147	Ø20x153	G1/8"	100
MFI-A148	Ø20x75	G1/4"	75
MFI-A149	Ø20x150	G1/4"	115



Gomito a cravatta per ventosa / Elbow am for vacuum cup clamping / Winkel-Klemmverbindung für Saugnapf / Coude à support pour ventouse / Codo con abrazadera para ventosa / Braço para ventosa com ângulo / Vantuz bağlamak için uzatma aparatı / 真空キャップ・クランピング用エルボーアーム

	DN x DM [mm]	DO [mm]	m [g]
MFI-A256	Ø10x30	M5	14
MFI-A257	Ø10x60	M5	17
MFI-A258	Ø10x90	M5	20
MFI-A259	Ø14x40	G1/8"	32
MFI-A260	Ø14x80	G1/8"	40
MFI-A261	Ø14x120	G1/8"	48
MFI-A290 NEW	Ø20x50	G1/8"	63
MFI-A291 NEW	Ø20x100	G1/8"	78
MFI-A292 NEW	Ø20x150	G1/8"	93
MFI-A262	Ø20x50	G1/4"	58
MFI-A263	Ø20x100	G1/4"	73
MFI-A264	Ø20x150	G1/4"	88



Prolunga con canale per l'aria / Extension tube with air lead / Verlängerungsröhre mit Luftkanal / Prolongateur avec canal d'air / Prolongación con conducto para el aire / Extensão com canal de ar / Uzatma borusu / 空気用エクステンションチューブ

	DQ x DP [mm]	DR [mm]	m [g]
MFI-A154	Ø10x45	M5	10
MFI-A155	Ø10x90	M5	15
MFI-A150	Ø14x45	G1/8"	15
MFI-A151	Ø14x90	G1/8"	25
MFI-A152	Ø20x45	G1/4"	30
MFI-A153	Ø20x90	G1/4"	55



Staffa per il montaggio di tre unità / Mounting bracket for three units / Befestigungsplatte zur Befestigung von drei Einheiten / Bride pour le montage de trois unités / Elemento de unión para el montaje de tres unidades OFX2010 / Suporte para montagem de três unidades / 3'lü montaj braketi / 3個のユニットのマウンティング・ブラケット

	DS (mm)	m [g]
MFI-A194	Ø20	200



Staffa per il montaggio della pinza OFP20 su profilo / OF20 gripper mounting bracket, to use with profile / Befestigungsplatte zur Befestigung des Greifers OFP20 an Profil / Bride pour le montage de la pince OFP20 sur profilé / Soporte para el montaje de la pinza OFP20 sobre el perfil / Suporte para montagem de pinça OFP20 no perfil / OFP20 tutucu için profil montaj braketi / プロフィールに OFP20型グリッパの取付けマウンティング・ブラケット

	m [g]
MFI-A176	95



Kit di bloccaggio per estruso / Single block assembly / Klemmstücke für Einzel-Pressprofil / Kit de blocage pour profilé / Kit de bloqueo para el tubo extruido / Kit de bloqueo para perfil / Tek montaj bloğu / シングルブロック・アセンブリー

	DT [mm]	m [g]
MFI-A188	Ø20	48
MFI-A189	Ø30	77
MFI-A190	Ø50	510

Moduli di fissaggio
Modular clamping system
Klemmstücke
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Módulos de fijación
Módulos de fixação
Modüler bağlantı sistemi
クランプ・モジュール



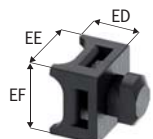
Kit di bloccaggio per doppio estruso / Double block assembly / Klemmstücke für Doppel-Pressprofil / Kit de blocage pour double profilés / Kit de bloqueo para doble tubo extruido / Kit de bloqueio para perfil duplo / Çift montaj bloğu / ダブルブロック・アセンブリ

	DV [mm]	m [g]
MFI-A191	Ø20	77
MFI-A192	Ø30	122
MFI-A193	Ø50	930



Linguette di centraggio tonde / Rounded centering feather keys / Zentrierfederkeile für runde Befestigungsteile / Languettes de centrage rondes / Lengüetas de centrado redondeadas / Lingueta de centragem redonda / Yuvarlak merkezli kama / 丸い心立てフェザーキー

		m [g]
MFI-A185	EMB-2017	10 (1)
MFI-A186	EMB-3026	20 (1)
MFI-A187	EMB-5045	40 (1)



Staffa per fissaggio viti / Hose mounting bracket / Befestigungsbügel für Kabeln / Bride de fixation câbles / Soporte para fijación de cables / Suporte de fixação de cabos / Hortum montaj braketi / ねじ固定のマウンティング・ブラケット

	ED [mm]	EE [mm]	EF [mm]	m [g]
MFI-A239	10.5	16	16	20 (1)



Spina di centraggio filettata / Threaded centering pin / Zentrierstift mit Gewinde / Douille de centrage fileté / Pin de centrado roscado / Pino de centragem / Dişli merkezleme pini / 心立てねじピン

	EA [mm]	EC [mm]	EB [mm]	m [g]
MFI-A235	Ø10	M8x1	60	7
MFI-A236	Ø14	M12x1	80	20
MFI-A237	Ø20	M17x1	100	45
MFI-A238	Ø30	M27x1	100	45



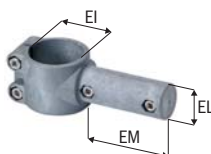
Portalama / Blade holder / Klingenhalter / Porte-lame / Porta-cuchilla / Suporte de lâmina / Bıçak tutucu / ブレードホルダー

	m [g]
MFI-A272 NEW	175



Basetta per fissaggio pinza / Gripper mounting bracket / Befestigungshalter für Greifer / Support pour fixation pince / Soporte para la fijación de la pinza / Suporte para fixação de pinça / Ø20 tutucu montaj braketi (vidalı kit) / グリッパの取付けブラケット

	EH x EG [mm]	m [g]
MFP-A04	Ø10x15 GS-10, GW-10, SGP-25S	5
MFP-A01	Ø20x48 AA, GS-16, GW-16, SGP-32S	26



Staffa in plastica / Polymer mounting bracket / Klemmstück aus Kunststoff / Bras de préhension / Abrazadera en plástico / Suporte / Montaj braketi (2 yarım parça + vidalar) / プラスチックのマウンティング・ブラケット

	EI [mm]	EL x EM [mm]	m [g]
MFP-A08	Ø30	Ø20x48	48
MFP-A05	Ø36	Ø20x48	54
MFP-A06	Ø45	Ø20x48	65
MFP-A07	Ø56	Ø20x48	82

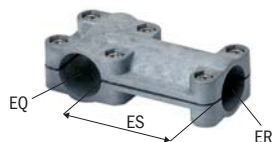


Staffa Ø20-10 in plastica / Polymer mounting bracket Ø20-10 / Klemmstück Ø20-10 aus Kunststoff / Bras de préhension Ø20-10 en plastique / Abrazadera Ø20-10 en plástico / Suporte Ø 20-10 / Montaj braketi Ø20-10 (2 yarım parça + vidalar) / プラスチックのØ20-10マウンティング・ブラケット

	EP [mm]	EO x EN [mm]	m [g]
MFP-A03	Ø10	Ø20x48	35

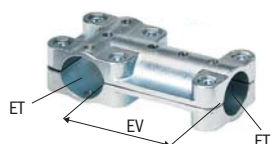
(1)
Confezione da 10 pezzi / 10 pieces package / 10 Stück Packung / Vendu par 10 pièces / Paquete de 10 piezas / Embalagem de 10 peças / Her paket 10 Adettir / 10個入りパック

Moduli di fissaggio
Modular clamping system
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Módulos de fixação
Modüler bağlantı sistemi
クランプ・モジュール



Giunto angolare in plastica / Polymer T connector / Winkelklemmstück aus Kunststoff / Connexion angulaire en plastique / Junta angular en plástico / Conexão angular em plástico / Polimer T birleştirici (2 yarım parça + vidalar) / プラスチック製アンギュラー・コネクタ

	EQ [mm]	ER x ES [mm]	m [g]
MFP-A02	Ø20	Ø20x48	53
MFP-A09	Ø30	Ø30x48	82



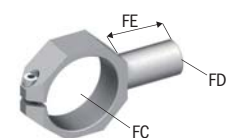
Giunto angolare in acciaio / Steel T connector / Winkelklemmstück aus Stahl / Connexion angulaire en acier / Junta angular en acero / Conexão angular em aço / Çelik T birleştirici (2 yarım parça + vidalar) / スチール製アンギュラー・コネクタ

	ET [mm]	ET x EV [mm]	m [g]
MFM-A02	Ø20	Ø20x48	200
MFM-A09	Ø30	Ø30x48	328
MFM-A85	Ø50	Ø50x70	660



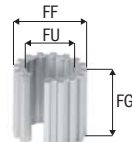
Staffa in acciaio / Steel mounting bracket / Klemmstück aus Stahl / Bride en acier / Abrazadera de acero / Suporte em aço / Çelik montaj braketi / スチール製マウンティング・ブラケット

	FA [mm]	FB [mm]	m [g]
MFM-A30	15	Ø30	69
MFM-A36	15	Ø36	75
MFM-A45	15	Ø45	80
MFM-A56	15	Ø56	102



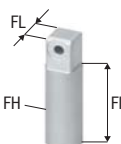
Staffa in alluminio / Aluminium mounting bracket / Klemmstück aus Aluminium / Bride en aluminium / Abrazadera en aluminio / Suporte em alumínio / Alüminyum montaj braketi / アルミ製マウンティング・ブラケット

	FC [mm]	FD x FE [mm]	m [g]
MFM-A110	Ø36	Ø14x25	30
MFM-A111	Ø45	Ø20x35	65
MFM-A112	Ø56	Ø20x40	110
MFM-A11	Ø75	Ø30x48	308



Riduzione / Adapter / Reduzierstück / Réduction / Reducción / Adaptador / Adaptör / アダプタ

	FU [mm]	FF [mm]	FG [mm]	m [g]
MFM-A114	Ø12	Ø14	14	2
MFM-A55-38	Ø14	Ø20	38	16
MFM-A55-48	Ø14	Ø20	48	19
MFM-A106	Ø16	Ø20	12	5
MFM-A115	Ø16	Ø20	20	6
MFM-A10-20	Ø20	Ø30	20	13
MFM-A10-30	Ø20	Ø30	30	21
MFM-A10-48	Ø20	Ø30	48	33
MFM-A105	Ø24	Ø30	12	8
MFM-A116	Ø25	Ø30	30	17
MFM-A96	Ø30	Ø50	65	240



Supporto orientabile / Hinge with stud / Gelenkhalter mit Rohr / Support orientable / Soporte orientable / Suporte orientável / Somunlu mafsal / スイベル・サポート

	FL [mm]	FH x FI [mm]	m [g]
MFM-A17	15	Ø20x48	56
MFM-A18	15	Ø30x48	82



Supporto per sospensione / Holder for suspensions / Halter für gefederte Aufhängung / Support pour suspensions / Soporte para suspensión / Suporte para suspensão / Süspansiyon tutacağı / 支持ホルダ

	FM [mm]	FN [mm]	m [g]
MFM-A19	Ø10.5	Ø20	52
MFM-A20	Ø12.5	Ø20	52
MFM-A21	Ø14.5	Ø20	52
MFM-A22	Ø16.5	Ø30	84
MFM-A23	Ø20.5	Ø30	86

Moduli di fissaggio
Modular clamping system
Klemmstücke
Modules de fixation
Módulos de fijación
Módulos de fixação
Modüler bağlantı sistemi
クランプ・モジュール



Interfaccia tubi con QC...-B / Interface between tubes and QC...-B / Schnittstelle für Profilrohre zur Befestigung an QC...-B / Interface tubes avec QC...-B / Interfaz para tubos y QC...-B / Interface entre tubos e QC...-B / Arayüz, QC...-B boru arasında (vidalı kit) / チューブとQC...-Bとのインターフェイス

	FD [mm]	m [g]
MFM-A12	Ø20	395
MFM-A16	Ø30	1030



Blochetto di fissaggio per PB / PB mounying connector / Befestigungsteil für PB / Cale de fixation pour PB / Bloque de fijación para PB / Calço de fixação para PB / PB tutucu için montaj konektörü / PB取付けコネクタ

	m [g]
MFM-A57	25



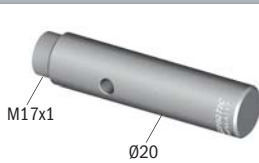
Interfaccia per pinze / Interface for gripper / Schnittstelle für Greifer / Interface pour pincés / Interfaz para pinzas / Interface para pinças / Tutucular için vidalı arayüz / グリッパのインターフェイス

		FP [mm]	m [g]
i30K	GS-10, GW-10	G1/8"	9
i31K	GS-16, GW-16	G1/8"	14
i32K	GS-20, GW-20	G1/8"	14
i33K	GS-25, GW-25	M15x1	43
i34K	AA-22, AA-23, AA-26, AA-35	M10x1	65
i35K	AA-25	M10x1	65
i36K	PE-16	M16x1	190
i37K	AA-22, AA-23, AA-26, GS-16, GW-16, SGP-32S	M10x1	85



Interfaccia per taglierino GNS / GNS nipper mounting bracket / Schnittstelle für Schneidzange GNS / Interface pour pince coupante GNS / Interfaz para tijera GNS / Interface para pinça GNS / GNS kesici makas montaj braketi / GNSカッターのインターフェイス

	FR [mm]	FQ [mm]	m [g]
MFM-A107	M17x1	Ø20	30
MFM-A108	M17x1	Ø20	35
MFM-A109	M27x1	Ø30	100



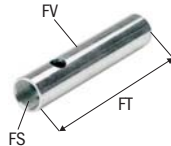
Interfaccia per cilindro guidato / Interfaces for guided cylinder / Schnittstellen für geführten Zylinder / Interface pour vérin guidé / Interface para el cilindro guiado / Interface para cilindro guiado / Silindirler için uzatma borusu / ガイドシリンダのインターフェイス

	m [g]
MFM-A117	70



Interfaccia per cilindro guidato / Interfaces for guided cylinder / Schnittstellen für geführten Zylinder / Interface pour vérin guidé / Interface para el cilindro guiado / Interface para cilindro guiado / Silindirler için kılavuzlu arayüz / ガイドシリンダのインターフェイス

		m [g]
MFM-A118	OFB40-...50	80
MFM-A119	OFB40-...30	60



Tubo di prolunga / Extension tube / Verlängerungsrohr / Rallonge / Tubo de prolongación / Tubo de extensão / Uzatma borusu / エクステンションチューブ

		FS [mm]	FV x FT [mm]	m [g]
OF10L60	NEW	M8x1	Ø10x60	7
OF14L80		M12x1	Ø14x80	10
OF20L100		M17x1	Ø20x100	30
OF30L120		M27x1	Ø30x120	65

Connessione al robot
 Robot connection
 Anschluss an den roboter
 Connexion au robot
 La conexión al robot
 Conexão ao robô
 Robot bağlantısı
 ロボットへの接続



Ribaltatori / Tilt units / Kippenheiten / Culbuteurs / Volteadores / Virador / Çevirme ünitesi / ティルティング・ユニット

RBT	m [g]
RBT40	1050
RBT50	1635
RBT63	2390



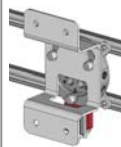
Ribaltatore per piccoli EOAT / Tilt unit for small EOATs / Kippenheit für kleine EOAT / Basculeur pour petits EOAT / Volteador para pequeñas garras de manipulación / Basculante para pequenas EOAT / Küçük robot elleri için çevirme ünitesi / 小型EOAT用ティルティング・ユニット

OFN	m [g]
OFN30-90	210



Cambia utensile / Quick changer / Werkzeugwechsler / Changeur d'outil / Cambio rápido de la herramienta / Mudança rápida / Çabuk değiştirici / 工具交換器

QC	m [g]
QC50-A	103
QC50-B	65
QC90-A	318
QC90-B	227
QCX90-A	595
QC150-A	1123
QC150-B	827
QCX150-A	2200
QC160-A	1200
QC160-B	900
QCX160-A	2200
QC200-A	2640
QC200-B	1890
QCX200-A	4900



Magazzino per EOAT / EOAT Storage / Lagerung EOAT / Dépôt pour main de préhension / Soporte para almacenamiento de la EOAT / Suporte para EOAT / Robot eli askı aparatı / EOAT保管

	m [g]
QC50-H	190
QC90-H	420
QC150-H	950
QC200-H	1900



Attuatore pneumatico per cambia utensile QC / Pneumatic actuator for quick changer QC / Pneumatischer Antrieb für Werkzeugwechsler QC / Vérin pneumatique pour changeur d'outil QC / Actuador neumático para el cambio rápido de herramienta QC / Actuador neumático para mudança de acessórios QC / QC aparatları için pnömatrik değiştirici / QCチェンジャー用エアアクチュエータ

AQC	m [g]
AQC90	560
AQC150	1480



Modulo di connessione elettrica / Electrical connection module / Elektroverbindungsmodul / Module de connexion électrique / Cambio rápido de la herramienta / Mudança rápida / Elektriksel bağlantı modülü / 電気接続モジュール

C-QC	m [g]
CAQC	30
CBQC	30
CEQC-A	97
CEQC-B	97

Connessione al robot
 Robot connection
 Anschluss an den roboter
 Connexion au robot
 La conexión al robot
 Conexão ao robô
 Robot bağlantısı
 ロボットへの接続



Scatola di derivazione per sensori / Sensor box / Klemmenkasten / Boîte de dérivation
 à capteurs / Cajas de derivación para sensores / Caixas de derivação para sensores /
 Sensör kutusu /
 センサーボックス

SB	m [g]
SB2C	120
SB4C	160
SB6B NEW	193
SB6C	190
SB8C	235
SB8F	165
SB12C	325
SB15	150

Pinze a 1 griffa
 One finger grippers
 Ein-finger-greifer
 Pincés à un doigt de préhension
 Pinza mono dedo
 Pinça mono-dedo
 Tek parmaklı tutucular
 ワンフィンガー・グリッパ



Pinza elastica mono-dito / One finger elastic module / Elastischer Ein-Finger-Greifer /
 Doigt de préhension élastique / Pinza elástica mono dedo / Pinça elástica mono-dedo
 / Tek parmak elastik tutucu /
 ワンフィンガー弾性グリッパ

OFD	F [N]	s [mm]	m [g]
OFD20	0÷145	4.5	40



Pinze per staffaggio angolari / Angular grippers for clamping / Winkelspanngreifer
 / Pincés pour bridage angulaire / Pinzas de fijación angular mono-dedo / Pinças
 pneumáticas mono-dedo angulares para fixação / Kenetlemeli açılı tutucular /
 クランピング用アンギュラー・グリッパ

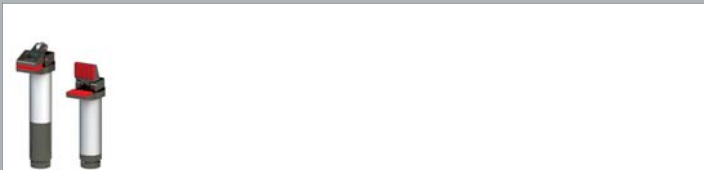
OFA	C [Ncm]	s	m [g]
OFA14-35	26	35°	25
OFA20-35	100	35°	65
OFA20-35S	100	35°	86
OFA30-35	430	35°	206
OFA30-35S	430	35°	272
OFA50-35	1900	35°	860
OFA50-35S	1900	35°	1060



Pinze per staffaggio radiali / Radial grippers for clamping / Radialspanngreifer / Pincés
 pour bridage radiaux / Pinzas de fijación radiales mono-dedo / Pinças pneumáticas
 mono-dedo radiais para fixação / Kenetlemeli radyal tutucular /
 クランピング用ラジアル・グリッパ

OFR	C [Ncm]	s	m [g]
OFR14-95	19	95°	25
OFR20-95	70	95°	60
OFR20-95S	70	95°	81
OFR30-95	300	95°	193
OFR30-95S	300	95°	257
OFR50-95	1250	95°	790
OFR50-95S	1250	95°	990

Pinze a 1 griffa
 One finger grippers
 Ein-finger-greifer
 Pinces à un doigt de préhension
 Pinza mono dedo
 Pinça mono-dedo
 Tek parmaklı tutucular
 ワンフィンガー・グリッパ



Pinze per staffaggio radiali / Radial grippers for clamping / Radialspanngreifer / Pinces pour bridage radiaux / Pinzas de fijación radiales mono-dedo / Pinças pneumáticas mono-dedo radiais para fixação / Kenetlemeli radyal tutucular / クランピング用ラジアル・グリッパ

OFR-G	C [Ncm]	s	m [g]
OFR14-95G	19	95°	30
OFR20-95G	70	95°	80
OFR20-95SG	70	95°	100
OFR30-95G	300	95°	230
OFR30-95SG	300	95°	300



Pinze per staffaggio radiali / Radial grippers for clamping / Radialspanngreifer / Pinces pour bridage radiaux / Pinzas de fijación radiales mono-dedo / Pinças pneumáticas mono-dedo radiais para fixação / Kenetleme için radyal tutucular / クランピング用ラジアル・グリッパ

OFS	C [Ncm]	s	m [g]
OFS14-90	19	95°	23
OFS20-90	70	95°	60
OFS20-90S	70	95°	80
OFS30-90	300	95°	185
OFS30-90S	300	95°	245



Guida pinza / Gripper guide / Zentrierstück für Greifer / Guide doigt de préhension / Guia para la pinza / Guia da pinça / Tutucu kılavuz / グリッパ・ガイド

	GB [mm]	m [g]
MFI-A96	Ø20	20
MFI-A97	Ø20	60



Riscontro per pinze OFS / Stopper for OFS grippers / Stopper für OFS-Greifer / Butée pincés OFS / Tope para la pinza OFS / Batente para pinças OFS / OFS tutucu için durdurucu / OFSグリッパのストッパ

	GC [mm]	m [g]
MFI-A271	Ø14	5
MFI-A98	Ø20	14
MFI-A99	Ø30	23



Riscontro per pinze OFR / Stopper for OFR grippers / Stopper für OFR-Greifer / Butée pincés OFR / Tope para la pinza OFR / Batente para pinças OFR / OFR tutucu için durdurucu / OFRグリッパのストッパ

	GD [mm]	m [g]
OF14G	Ø14	6
OF20G	Ø20	12
OF30G	Ø30	30



Pinze per staffaggio angolari, con dito in plastica / Angular grippers for clamping with finger in polymer / Winkelspanngreifer mit Plastikfinger / Pinces pour bridage angulaires avec doigt en plastique / Pinza mono-dedo neumática para fijación angular / Pinça pneumática mono dedo angular / Kenetleme için radyal tutucular / クランピング用アンギュラー・グリッパ、プラスチックフィンガー付き

OFP	C [Ncm]	s	m [g]
OFP20N-20	100	21°	35
OFP20S-20	100	21°	35
OFP20V-20	100	21°	35
OFP20P-20	100	21°	35
OFP21N-20	100	21°	45
OFP21S-20	100	21°	45
OFP21V-20	100	21°	45
OFP21P-20	100	21°	45
OFP14P-25	40	25°	17



O-Ring di ricambio / Spare O-Ring / Ersatz-O-Ring / Joint torique de rechange / Junta tórica de repuesto / O-ring sobressalente / Yedek O-Ring / 予備Oリング

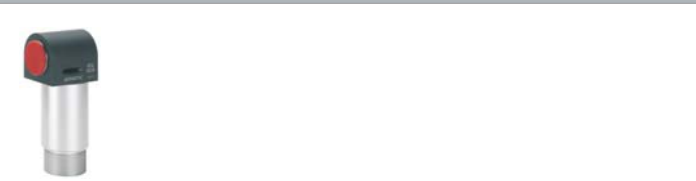
OFP		
KIT3-OFP20N	NBR	OFP20N-20 - OFP21N-20
KIT3-OFP20S	Silicone	OFP20S-20 - OFP21S-20
KIT3-OFP20V	Viton	OFP20V-20 - OFP21V-20



Pastiglia di ricambio / Spare pad / Ersatzgummi / Pastille de rechange / Pastilla de recambio / Garra recâmbio / Yedek silikon ped / 予備パッド

OFP		
KIT3-OFP14P	TPU	OFP14P-25
KIT3-OFP20P	TPU	OFP20P-20 - OFP21P-20

Pinze a 1 griffa
One finger grippers
Ein-finger-greifer
Pinces à un doigt de préhension
Pinza mono dedo
Pinça mono-dedo
Tek parmaklı tutucular
ワンフィンガー・グリッパ



Pinze per staffaggio perpendicolari / Perpendicular grippers for clamping /
Spanngreifer mit senkrechter Bewegung / Pinces pour bridage perpendiculaires /
Pinzas perpendiculares para fijación / Pinças pneumáticas perpendiculares para
fixação / Kenetleme için 90° doğrusal tutucular /
クランピング用垂直グリッパ

OFX	F [N]	s [mm]	m [g]
OFX14-06	13÷63	6	30
OFX20-10	20÷115	10	65
OFX30-15	44÷230	15	190
OFX50-20	100÷900	20	740



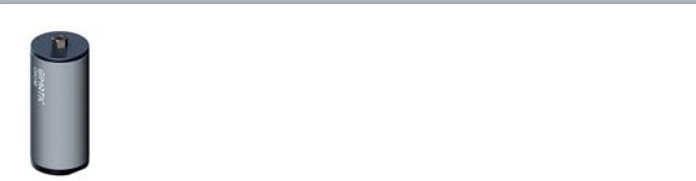
Cilindro a corsa breve / Short stroke cylinder / Kurzhubzylinder / Vérin pneumatique
à faible course / Cilindro neumático de carrera corta / Cilindro pneumático de curso
curto / Kısa strok silindir /
ショートストローク・シリンダ

OFL	F [N]	s [mm]	m [g]
OFL2010	130	10	60
OFL3015	300	15	110
OFL3030	300	30	140



Cilindro guidato con steli gemellati / Guided cylinder with twin rods / Geführter Zylinder
mit doppelseitiger Kolbenstange / Vérin guidé avec tige jumelées / Cilindro guiado de
vástagos gemelos / Cilindro guiado de dupla haste / Çift millî yataklı silindir /
対のロッド付きガイドシリンダ

OFB	F [N]	s [mm]	m [g]
OFB40-A30	660-754	30	475
OFB40-A50	660-754	50	520
OFB40-B30	660-754	30	395
OFB40-B50	660-754	50	445
OFB40-C30	660-754	30	405
OFB40-C50	660-754	50	455



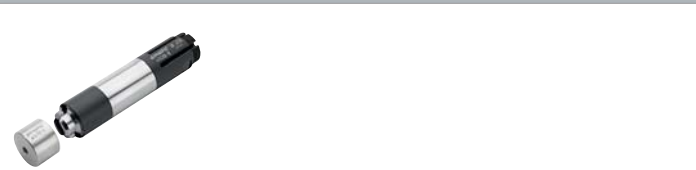
Mini cilindri universali a semplice effetto / General purpose, single-acting mini cylinders
/ Einfachwirkende Universal-Minizylinder / Mini vérins universels à simple effet / Mini
cilindros de simple efecto de propósito universal / Mini cilindros universais de simples
efeito / Genel amaçlı tek etkili mini silindir /
汎用単動ミニシリンダ

OFC	F [N]	s [mm]	m [g]
OFC14-10	4-43	10	20
OFC20-20	8-113	20	40
OFC30-30	23-271	30	85

Accessori / Optionals / Zuberhör / Accessoires / Accesorios / Acessórios /
Aksesuarlar /
付属品

OFC	m [g]
OFC-A001	OFC14-10 - OFC20-20 - OFC30-30 15
OFC-A002	OFC20-20 - OFC30-30 25
OFC-A003	OFC14-10 - OFC20-20 - OFC30-30 15
OFC-A004	OFC20-20 - OFC30-30 25
OFC-A005	OFC14-10 - OFC20-20 - OFC30-30 35
OFC5	OFC20-20 - OFC30-30 40

Pinze a 2 griffe
2-jaw grippers
2-Backen-greifer
Pinces à 2 mâchoires
Pinzas de 2 mordazas
Pinças de 2 mordentes
2 çeneli tutucular
ツーフィンガー・グリッパ



Pinza per agganciamento / Gripper for engagement / Kopplungsgreifer / Doigt de centrage / Pinza de bloqueo y centrado / Pinça de Centragem / Robot merkezeleme tutucusu / 引っ掛けグリッパ

AGG	m [g]
AGG19-B	85
AGG21-B	115
AGG21-C	25
AGG30-B	390
AGG30-C	75



Pinze autocentranti per materozze / Self-centering sprue grippers / Selbstzentrierende Angußgreifer / Pince auto-centrantes pour carottes / Pinza neumática angular autocentrante / Pinça pneumática angular autocentrada / Merkezelemeli yolluk tutucular / 自動心立てスプリュー・グリッパ

AA	C [Ncm]	s	m [g]
AA-22	300-300	2x20°	115
AA-22-NO	250-350	2x20°	115
AA-23	300-300	2x20°	100
AA-23-NO	250-350	2x20°	100
AA-26	300-300	2x20°	120
AA-26-NO	250-350	2x20°	120
AA-35	300-300	2x20°	140
AA-35-NO	250-350	2x20°	140



Pinze non autocentranti per materozze / Non-self-centering sprue grippers / Nichtselbstzentrierende Angußgreifer / Pince non auto-centrantes pour carottes / Pinza neumática angular no autocentrante para mazarotas / Pinça pneumática angular não auto-centrada para gitos / Merkezelemesiz yolluk tutucular / 非自動心立てスプリュー・グリッパ

PB	C [Ncm]	s	m [g]
PB-0008	48	2x10°	15
PB-0009	48	2x10°	25
PB-0013	160	2x15°	55
PB-0014	160	2x15°	50
PB-0015	120-50	2x16°	50
PB-0017	160	2x15°	45
PB-0140	160	2x15°	75
PB-0150	160	2x15°	75
PB-0160	160	2x15°	75
PB-0170	160	2x15°	50
PB-0180	160	2x15°	60
PB-0181	160	2x15°	75
PB-0182	160	2x15°	75



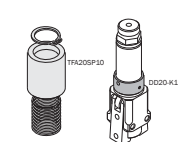
Pinze non autocentranti per materozze / Non-self-centering sprue grippers / Nichtselbstzentrierende Angußgreifer / Pince non auto-centrantes pour carottes / Pinza para mazarotas no autocentrante / Pinça não autocentrada para gitos / Merkezelemesiz yolluk tutucular / 非自動心立てスプリュー・グリッパ

BB	C [Ncm]	s	m [g]
BB-12-00	130-40	2x15°	75
BB-12-NO	120	2x15°	77
BB-13-NO	120	2x15°	90



Pinza pneumatica per materozze, angolare autocentrante a due griffe / 2-jaw self-centering angular pneumatic sprue gripper / Selbstzentrierende pneumatische Anguss-Winkelgreifzangen mit 2 Backen / Pince pneumatique angulaire auto-centreuse / Pinza neumática angular para mazarotas, autocentrante de dos dedos / Pinça pneumática angular autocentrada de dois dedos / Merkezelemeli yolluk tutucular / 2ジョー、アングュラー自動心立て空気圧スプリュー・グリッパ

DD	C [Ncm]	s	m [g]
DD20-16R	600	2x15°	165
DD20-16RS	600	2x15°	190
DD20-16P	600	2x15°	160
DD20-16PS	600	2x15°	195
DD20-16E	600	2x15°	165
DD20-16ES	600	2x15°	200
DD20-16K	600	2x15°	170
DD20-16KS	600	2x15°	200
DD20-16A	600	2x15°	135
DD20-16AS	600	2x15°	175
DD20-16M	600	2x15°	165
DD20-16W	600	2x15°	170



Kit opzionale per la sospensione / Optional suspension kit / Kit für die Aufhängung optional / Kit pour suspension optionnel / Kit opcional para la suspensión / Kit opcional para a suspensão / Opsiyonel süspansiyon kit / 支持用オプションキット

DD	m [g]
DD20-K1	5
TFA20SP10	85

Pinze a 2 griffe
2-jaw grippers
2-Backen-greifer
Pinces à 2 mâchoires
Pinzas de 2 mordazas
Pinças de 2 mordentes
2 çeneli tutucular
ツーフィンガー・グリッパ

			
Pinze universali / Universal grippers / Universalgreifer / Pinces universelles / Pinzas universales / Pinças universais / 2 çeneli paralel tutucular / 汎用グリッパ			
GS	F [N]	s [mm]	m [g]
GS-10	28-36	2x2.3	45
GS-10-NC	40-24	2x2.3	45
GS-10-NO	18-46	2x2.3	45
GS-16	86-100	2x3.4	98
GS-16-NC	116-70	2x3.4	99
GS-16-NO	60-126	2x3.4	99
GS-20	186-212	2x5.2	207
GS-20-NC	228-170	2x5.2	209
GS-20-NO	134-264	2x5.2	209
GS-25	254-282	2x7.2	365
GS-25-NC	(3)	2x7.2	(3) (2)
GS-25-NO	190-346	2x7.2	369
GS-32	430-500	2x11	645
GS-32-NC	(3)	2x11	(3) (2)
GS-32-NO	(3)	2x11	(3) (2)
GS-40	614-700	2x15	1155
GS-40-NC	(3)	2x15	(3) (2)
GS-40-NO	(3)	2x15	(3) (2)

			
Pinza pneumatica a 2 griffe ad azione parallela autocentrante / 2-jaw parallel-acting self-centering pneumatic gripper / Selbstzentrierender, pneumatischer 2-Backen-Parallelgreifer Baureihe / Pince pneumatique parallèle auto-centreuse / Pinza neumática de 2 dedos con acción paralela autocentrante / Pinça pneumática de dois dedos com acção paralela de auto-centragem / Ayarlanabilir sensör girişli / 2ジョー、平行作用の自動心立て空気圧スグリップ			
SGP-S	F [N]	s [mm]	m [g]
SGP-20S	40-46	2x2	33
SGP-25S	94-104	2x3	43
SGP-32S	120-134	2x4	86
SGP-40S	146-160	2x6	170

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(3)
Consultare il fabbricante / Consult Factory / Fragen Sie den Hersteller / Consulter l'usine / Consulte con el fabricante / Consultar a fábrica / Fabrikaya danışınız / メーカーに問い合わせ下さい

			
SZ NEW			
	F [N]	s [mm]	m [g]
SZ12	50	2x4	94
SZ12-NC	(3)	2x4	(3) (2)
SZ16	90	2x6	153
SZ16-NC	(3)	2x6	(3) (2)
SZ25	230	2x10	446
SZ25-NC	(3)	2x10	(3) (2)
SZ32	380	2x12.5	722
SZ32-NC	(3)	2x12.5	(3) (2)
SZ40	620	2x15	1135
SZ40-NC	(3)	2x15	(3) (2)

			
Corsa lunga / Long stroke / Langer Hub / Course longue / Carrera larga / Curso longo / Uzun Strok / ロングストローク			
PQ	F [N]	s [mm]	m [g]
PQ1608	120	2x4	63
PQ2012	180	2x6	110
PQ2516	300	2x8	200
PQ3015	400	2x7.5	330
PQ3523	560	2x11.5	610
PQ4533	920	2x16.5	1270
PQ5047	1340	2x23.5	2430
PQ6063	1860	2x31.5	4900

			
Pinza ad aghi / Needle gripper / Nadelgreifer / Pinces à aiguilles / Pinça de agulhas / Pince à aiguilles / İğneli tutucular / ビン・グリッパ			
PT25	F [N]	s [mm]	m [g]
PT25	90	2x7	165

Pinze a 2 griffe
2-jaw grippers
2-Backen-greifer
Pinces à 2 mâchoires
Pinzas de 2 mordazas
Pinças de 2 mordentes
2 çeneli tutucular
ツーフィンガー・グリッパ



Pinze universali / Universal grippers / Universalgreifer / Pinces universelles / Pinzas universales / Pinças universais / 2 çeneli açılı tutucular / 汎用グリッパ

GW	C [Ncm]	s	m [g]
GW-10	16-22	2x20°	39
GW-10-NC	(3)	2x20°	(3) (2)
GW-10-NO	8-30	2x20°	39
GW-16	72-90	2x20°	88
GW-16-NC	36-66	2x20°	89
GW-16-NO	48-114	2x20°	89
GW-20	156-178	2x20°	171
GW-20-NC	(3)	2x20°	(3) (2)
GW-20-NO	104-230	2x20°	173
GW-25	320-356	2x20°	300
GW-25-NC	(3)	2x20°	(3) (2)
GW-25-NO	(3)	2x20°	(3) (2)

(2)
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Mini pinza angolare a due griffe autocentrante / 2-jaw self-centering angular mini gripper / Selbstzentrierende Mini-Winkelgreifer mit zwei Backen / Mini pince angulaire    deux m  choires auto-centrante / Mini pinza angular autocentrante de dos dedos / Mini pin  a angular com dois dedos autocentrados / 2   eneli a  ılı mini tutucular / 2  ジョ  、アングュラ  自動心立  ミニグリッパ

TFA	C [Ncm]	s	m [g]
TFA10-25	34	2x12.5��	12
TFA14-25	96	2x12.5��	30
TFA20-25	430	2x12.5��	95
TFA20-25S	430	2x12.5��	120

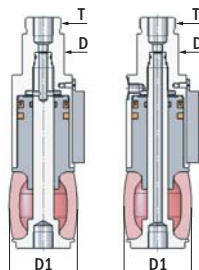


Kit opzionale per la sospensione / Optional suspension kit / Kit f  r die Aufh  ngung optional / Kit pour suspension optionnel / Kit opcional para la suspensi  n / Kit opcional para a suspens  o / Opsiyonel s  spansiyon kit / 支持用オプションキット

TFA	m [g]
TFA10SP05	10
TFA14SP05	35
TFA20SP10	85

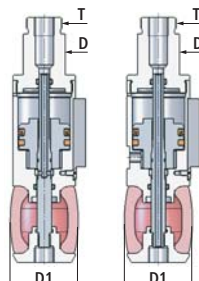
Pinze ad espansione
Air hands
ID Innengreifer
Préhenseurs intérieurs
Pinzas de expansión
Pegas interiores
Hassas taşıyıcı
エキスパンション・グリッパ

MFD...CL MFD...HL



MFD	T	D [mm]	D1 [mm]	m [g]
MFD08S01CL	M12x1	Ø14	Ø8+Ø11	15
MFD08E02CL	M12x1	Ø14	Ø8+Ø11	15
MFD08S01HL	M12x1	Ø14	Ø8+Ø11	15
MFD08E02HL	M12x1	Ø14	Ø8+Ø11	15
MFD10S01CL	M12x1	Ø14	Ø10.5+Ø14	16
MFD10E02CL	M12x1	Ø14	Ø10.5+Ø14	16
MFD10S01HL	M12x1	Ø14	Ø10.5+Ø14	16
MFD10E02HL	M12x1	Ø14	Ø10.5+Ø14	16
MFD12S01CL	M12x1	Ø14	Ø13+Ø17	17
MFD12E02CL	M12x1	Ø14	Ø13+Ø17	17
MFD12S01HL	M12x1	Ø14	Ø13+Ø17	17
MFD12E02HL	M12x1	Ø14	Ø13+Ø17	17
MFD14S01CL	M12x1	Ø14	Ø15+Ø19.5	17
MFD14E02CL	M12x1	Ø14	Ø15+Ø19.5	17
MFD14S01HL	M12x1	Ø14	Ø15+Ø19.5	17
MFD14E02HL	M12x1	Ø14	Ø15+Ø19.5	17
MFD16S01CL	M12x1	Ø14	Ø17+Ø21	17
MFD16E02CL	M12x1	Ø14	Ø17+Ø21	17
MFD16S01HL	M12x1	Ø14	Ø17+Ø21	17
MFD16E02HL	M12x1	Ø14	Ø17+Ø21	17
MFD18S01CL	M12x1	Ø14	Ø19.5+Ø25	28
MFD18E02CL	M12x1	Ø14	Ø19.5+Ø25	28
MFD18S01HL	M12x1	Ø14	Ø19.5+Ø25	28
MFD18E02HL	M12x1	Ø14	Ø19.5+Ø25	28
MFD22S01CL	M12x1	Ø14	Ø24+Ø31.5	43
MFD22E02CL	M12x1	Ø14	Ø24+Ø31.5	43
MFD22S01HL	M12x1	Ø14	Ø24+Ø31.5	43
MFD22E02HL	M12x1	Ø14	Ø24+Ø31.5	43
MFD27S01CL	M17x1	Ø20	Ø28+Ø37	79
MFD27E02CL	M17x1	Ø20	Ø28+Ø37	79
MFD27S01HL	M17x1	Ø20	Ø28+Ø37	79
MFD27E02HL	M17x1	Ø20	Ø28+Ø37	79
MFD33S01CL	M17x1	Ø20	Ø34+Ø45	118
MFD33E02CL	M17x1	Ø20	Ø34+Ø45	118
MFD33S01HL	M17x1	Ø20	Ø34+Ø45	118
MFD33E02HL	M17x1	Ø20	Ø34+Ø45	118
MFD41S01CL	M27x1	Ø30	Ø42+Ø54	280
MFD41E02CL	M27x1	Ø30	Ø42+Ø54	280
MFD41S01HL	M27x1	Ø30	Ø42+Ø54	280
MFD41E02HL	M27x1	Ø30	Ø42+Ø54	280
MFD47S01CL	M27x1	Ø30	Ø48+Ø60	280
MFD47E02CL	M27x1	Ø30	Ø48+Ø60	280
MFD47S01HL	M27x1	Ø30	Ø48+Ø60	280
MFD47E02HL	M27x1	Ø30	Ø48+Ø60	280
MFD51S01CL	M27x1	Ø30	Ø54+Ø68	490
MFD51E02CL	M27x1	Ø30	Ø54+Ø68	490
MFD51S01HL	M27x1	Ø30	Ø54+Ø68	490
MFD51E02HL	M27x1	Ø30	Ø54+Ø68	490
MFD63S01CL	M27x1	Ø30	Ø66+Ø85	800
MFD63E02CL	M27x1	Ø30	Ø66+Ø85	800
MFD63S01HL	M27x1	Ø30	Ø66+Ø85	800
MFD63E02HL	M27x1	Ø30	Ø66+Ø85	800

MFU...CL MFU...HL



MFU	T	D [mm]	D1 [mm]	m [g]
MFU08S01CL	M12x1	Ø14	Ø8+Ø11	16
MFU08E02CL	M12x1	Ø14	Ø8+Ø11	16
MFU08S01HL	M12x1	Ø14	Ø8+Ø11	16
MFU08E02HL	M12x1	Ø14	Ø8+Ø11	16
MFU10S01CL	M12x1	Ø14	Ø10.5+Ø14	17
MFU10E02CL	M12x1	Ø14	Ø10.5+Ø14	17
MFU10S01HL	M12x1	Ø14	Ø10.5+Ø14	17
MFU10E02HL	M12x1	Ø14	Ø10.5+Ø14	17
MFU12S01CL	M12x1	Ø14	Ø13+Ø17	18
MFU12E02CL	M12x1	Ø14	Ø13+Ø17	18
MFU12S01HL	M12x1	Ø14	Ø13+Ø17	18
MFU12E02HL	M12x1	Ø14	Ø13+Ø17	18
MFU14S01CL	M12x1	Ø14	Ø15+Ø19.5	20
MFU14E02CL	M12x1	Ø14	Ø15+Ø19.5	20
MFU14S01HL	M12x1	Ø14	Ø15+Ø19.5	20
MFU14E02HL	M12x1	Ø14	Ø15+Ø19.5	20
MFU16S01CL	M12x1	Ø14	Ø17+Ø21	20
MFU16E02CL	M12x1	Ø14	Ø17+Ø21	20
MFU16S01HL	M12x1	Ø14	Ø17+Ø21	20
MFU16E02HL	M12x1	Ø14	Ø17+Ø21	20
MFU18S01CL	M12x1	Ø14	Ø19.5+Ø25	35
MFU18E02CL	M12x1	Ø14	Ø19.5+Ø25	35
MFU18S01HL	M12x1	Ø14	Ø19.5+Ø25	35
MFU18E02HL	M12x1	Ø14	Ø19.5+Ø25	35
MFU22S01CL	M12x1	Ø14	Ø24+Ø31.5	50
MFU22E02CL	M12x1	Ø14	Ø24+Ø31.5	50
MFU22S01HL	M12x1	Ø14	Ø24+Ø31.5	50
MFU22E02HL	M12x1	Ø14	Ø24+Ø31.5	50
MFU27S01CL	M17x1	Ø20	Ø28+Ø37	100
MFU27E02CL	M17x1	Ø20	Ø28+Ø37	100
MFU27S01HL	M17x1	Ø20	Ø28+Ø37	100
MFU27E02HL	M17x1	Ø20	Ø28+Ø37	100
MFU33S01CL	M17x1	Ø20	Ø34+Ø45	130
MFU33E02CL	M17x1	Ø20	Ø34+Ø45	130
MFU33S01HL	M17x1	Ø20	Ø34+Ø45	130
MFU33E02HL	M17x1	Ø20	Ø34+Ø45	130
MFU41S01CL	M27x1	Ø30	Ø42+Ø54	300
MFU41E02CL	M27x1	Ø30	Ø42+Ø54	300
MFU41S01HL	M27x1	Ø30	Ø42+Ø54	300
MFU41E02HL	M27x1	Ø30	Ø42+Ø54	300
MFU47S01CL	M27x1	Ø30	Ø48+Ø60	300
MFU47E02CL	M27x1	Ø30	Ø48+Ø60	300
MFU47S01HL	M27x1	Ø30	Ø48+Ø60	300
MFU47E02HL	M27x1	Ø30	Ø48+Ø60	300
MFU51S01CL	M27x1	Ø30	Ø54+Ø68	500
MFU51E02CL	M27x1	Ø30	Ø54+Ø68	500
MFU51S01HL	M27x1	Ø30	Ø54+Ø68	500
MFU51E02HL	M27x1	Ø30	Ø54+Ø68	500
MFU63S01CL	M27x1	Ø30	Ø66+Ø85	785
MFU63E02CL	M27x1	Ø30	Ø66+Ø85	785
MFU63S01HL	M27x1	Ø30	Ø66+Ø85	785
MFU63E02HL	M27x1	Ø30	Ø66+Ø85	785

Pinze ad espansione
Air hands
ID Innengreifer
Préhenseurs intérieurs
Pinzas de expansión
Pegas interiores
Hassas taşıyıcı
エキスパンション・グリッパ

MFD-MFU

Accessori / Optionals / Zuberhör / Accessoires / Accesorios / Acessórios / Aksesuarlar
付属品



Ricambio per la parte elastica in EPDM / Spare for the elastic part in EPDM / Ersatzteil für das dehnbare Element EPDM / Pièce de rechange pour la partie élastique en EPDM / Recambio para la pieza elástica de EPDM / Peça sobressalente para a parte elástica em EPDM / Yedek elastik parça EPDM / EPDMの弾性分の予備品

	MFD MFU	m [g]
IF08E02	Ø8	1
IF10E02	Ø10	1
IF12E02U	Ø12	1
IF14E02U	Ø14	1
IF16E02U	Ø16	2
IF18E02	Ø18	3
IF22E02	Ø22	5
IF27E02	Ø27	8
IF33E02	Ø33	15
IF41E02	Ø41	30
IF47E02U	Ø47	35
IF51E02	Ø51	56
IF63E02	Ø63	108



Coni di centraggio / Centering cones / Zentrierkonen / Cônes de centrage / Conos de centrado / Cones de centragem / Merkezleme Konisi / 心立てコーン

	MFD MFU	m [g]
MFC10	Ø10	0.5
MFC12	Ø12	1
MFC14	Ø14 - Ø16	1
MFC18	Ø18	1.5
MFC22	Ø22	2
MFC27	Ø27	5
MFC33	Ø33	7
MFC41	Ø41 - Ø47	12
MFC51	Ø51	21
MFC63	Ø63	30

MFD-MFU

Accessori / Optionals / Zuberhör / Accessoires / Accesorios / Acessórios / Aksesuarlar
付属品



Ricambio per la parte elastica in Silicone / Spare for the elastic part in silicone / Ersatzteil für das dehnbare Element aus Silikon / Pièce de rechange pour la partie élastique en silicone / Recambio para la pieza elástica de silicona / Peça sobressalente para a parte elástica em silicone / Yedek elastik parça silikon / シリコン部分の予備品

	MFD MFU	m [g]
IF08S01	Ø8	1
IF10S01	Ø10	1
IF12S01U	Ø12	1
IF14S01U	Ø14	1
IF16S01U	Ø16	2
IF18S01	Ø18	3
IF22S01	Ø22	5
IF27S01	Ø27	8
IF33S01	Ø33	15
IF41S01	Ø41	30
IF47S01U	Ø47	35
IF51S01	Ø51	56
IF63S01	Ø63	124



Basette porta sensori / Sensor holders / Sensorhalter / Support pour capteurs / Soportes portasensores / Suporte para sensores / Sensör braketi / センサーホルダー

			m [g]
MFD27-K	MFD	Ø27	4
MFU27-K	MFU	Ø27	4
MFD33-K	MFD	Ø33	5
MFU33-K	MFU	Ø33	5
MFD41-K	MFD	Ø41 - Ø47	5
MFU41-K	MFU	Ø41 - Ø47	5
MFD51-K	MFD	Ø51	6
MFU51-K	MFU	Ø51	6
MFD63-K	MFD	Ø63	7
MFU63-K	MFU	Ø63	7

Pinze ad espansione
Air hands
ID Innengreifer
Préhenseurs intérieurs
Pinzas de expansión
Pegas interiores
Mikro Hassas taşıyıcılar
エキスパンション・グリッパ



IFU...RT	T	D1 [mm]	m [g]
IFU04S01RT	M10x1	Ø4.5÷Ø5.4	7
IFU04N03RT	M10x1	Ø4.5÷Ø5.4	7
IFU05S01RT	M10x1	Ø5.6÷Ø6.7	7
IFU05N03RT	M10x1	Ø5.6÷Ø6.7	7
IFU06S01RT	M10x1	Ø6.6÷Ø7.6	8
IFU06N03RT	M10x1	Ø6.6÷Ø7.6	8
IFU07S01RT	M10x1	Ø7.6÷Ø8.7	9
IFU07N03RT	M10x1	Ø7.6÷Ø8.7	9

IFU-RT

Accessori / Optionals / Zuberhör / Accessoires / Accesorios / Acessórios /
Aksesuarlar /
付属品



Ricambio per la parte elastica in NBR / Spare for the elastic part in NBR / Ersatzteil für
das dehnbare Element aus NBR / Pièce de rechange pour la partie élastique en NBR /
Recambio para la pieza elástica de NBR / Peça sobressalente para a parte elástica em
NBR / Yedek elastik parça NBR /
NBRの弾性分の予備品

	IFU	m [g]
IF04N03	Ø4	1
IF05N03	Ø5	1
IF06N03	Ø6	1
IF07N03	Ø7	1



Ricambio per la parte elastica in Silicone / Spare for the elastic part in silicone
/ Ersatzteil für das dehnbare Element aus Silikon / Pièce de rechange pour la
partie élastique en silicone / Recambio para la pieza elástica de silicona / Peça
sobressalente para a parte elástica em silicone / Yedek elastik parça silikon /
シリコン部分の予備品

	IFU	m [g]
IF04S01	Ø4	1
IF05S01	Ø5	1
IF06S01	Ø6	1
IF07S01	Ø7	1

Taglierini pneumatici
Air nipper
Pneumatische Schneidzangen
Pincas coupantes pneumatiques
Tijeras neumática
Tesouras pneumática
Pnömatik kesiciler
エアニッパー



Attuatori pneumatici per taglierini / Air nipper actuators / Pneumatische Schneidzangen / Pincas coupe-carotte pneumatiques / Actuadores neumáticos para tijeras / Actuador pneumático para tesoura / GN serisi pnömatik kesici / エアニッパー・アクチュエータ

GN	C [Nm]	s	m [g]
GN-05	22	2x7°	102
GN-05S	22	2x7°	125
GN-10	76	2x5°	157
GN-10S	76	2x5°	208
GN-20	134	2x7°	263
GN-20S	134	2x7°	370
GN-30	300	2x7.5°	480
GN-30S	300	2x7.5°	715
GN-50	232	2x12°	1100
GN-50S	232	2x12°	1440



Attuatori pneumatici per taglierini / Air nipper actuators / Pneumatische Schneidzangen / Pincas coupe-carotte pneumatiques / Actuadores neumáticos para cortadores / Actuadores pneumáticos / GNS serisi pnömatik kesici / エアニッパー・アクチュエータ

GNS	C [Nm]	s	m [g]
GNS-05	28	2x5°	112
GNS-05-NC	28	2x5°	180
GNS-05-NO	28	2x5°	175
GNS-10	68	2x5°	355
GNS-10-NC	68	2x5°	570
GNS-10-NO	68	2x5°	570
GNS-20	84	2x9°	480
GNS-20-NC	84	2x9°	780
GNS-20-NO	84	2x9°	780



Slitte per GN / Slides for GN / Schlitten für GN / Glissières pour GN / Unidad de guiado para GN / Suporte com deslocamento para GN / Kesiciler için pnömatik kızak / GNスライド

ZG	F [N]	s [mm]	m [g]
ZG-16-NO	65-135	10	180
ZG-16S-NO	65-135	10	200
ZG-16-NC	120-80	10	180
ZG-16S-NC	120-80	10	200
ZG-25-NO	210-300	10	360
ZG-25S-NO	210-300	10	425
ZG-25-NC	275-240	10	360
ZG-25S-NC	275-240	10	425



Lame per taglierini pneumatici / Blades for air nippers / Schneideeinsätze für pneumatische Schneidzangen / Lames pour tronçonneuses pneumatiques / Cuchillas para actuadores neumáticos / Lâminas para actuadores pneumáticos / Standart bıçaklar / エアニッパー・の刃

G.N	m [g]
G.N5AJ	33
G.N5AP	34
G.N5PF	35
G.N10LAJ	117
G.N10LAP	115
G.N10LPF	112
G.N20AJ	121
G.N20AP	120
G.N20PF	124
G.N20AJL	220
G.N30AJ	365
G.N30AP	380
G.N30PF	388
G.N10LAB152	165
G.N20AB360	185
G.N30AA114	385
G.N30AA	390
G.N20ALLL	190
G.N30FAL	455
G.N10LAE269	120
G.N20AE	135
G.N30AE	395



Griffe per GN / Fingers for GN / Spannbacken für GN / Mâchoires pour GN / Dedos para actuadores neumáticos serie GN / Dedos para actuadores pneumáticos série GN / Gn için parmaklar / GNフィンガー

JG	m [g]
JGW-10S-A50	175
JGW-20S-A50	185
JGN-10S-A52	190
JGN-20S-A52	200



Slitte a doppia corsa / Double stroke slide / Schlitten mit Doppelhub / Glissières à double course / Carro guiado de doble recorrido / Corrediça de duplo curso / Çift stroklu kızak / ダブルストローク・スライド

ZJ	F [N]	s [mm]	m [g]
ZJ-3235	450	35	1330

Taglierini pneumatici
 Air nipper
 Pneumatische Schneidzangen
 Pincas coupantes pneumatiques
 Tijeras neumática
 Tesouras pneumática
 Pnömatik kesiciler
 エアニッパー



Taglierini a ghigliottina / Thrust Cut Nippers / Angusschneidezange Guillotine / Pincas coupantes à guillotine / Guillotinas / Basınçlı sıcak kesme makasları / スラスト・カットニッパー

GN-	F [N]	s [mm]	m [g]
GN-240	1470	20	1330
GN-263	3648	32	2900

GN-
 Accessori / Optionals / Zuberhör / Accessoires / Accesorios / Acessórios /
 Aksesuarlar /
 付属品

Lame di ricambio / Spare blade / Ersatzschneideinsätze / Lames de rechange /
 Cuchilla de recambio / Lâmina sobresselente / Yedek bıçak /
 予備刃

5620 (GE)	GN-240
5619 (GF)	GN-240
5617 (GE)	GN-263
5616 (GF)	GN-263

Resistenza + Termocoppia / Cartridge + thermocouple / Heizpatrone + Thermopaar
 / Résistance + Thermocouple / Resistencia + termopar / Resistência + sonda /
 Rezistans + Termokupl /
 抵抗 + 熱電対

R50-G (GG)	GN-240
R75-G (GG)	GN-263

Termoregolatore / Heater control box / Temperaturregler / Thermorégulateur /
 Regulador de temperatura / Termoregulador / Isı kontrol kutusu /
 熱管理器

CH102-G (GH)	GN-240, GN-263
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Ventose
Vacuum cups
Saugnapfe
Ventouses
Ventosas
Ventosas
Vantuzlar
真空キャップ



Ventose plane / Flat vacuum cups / Flachsaugnapfe / Ventouses plates / Ventosa plana / Ventosas esféricas / Düz vantuz / 平真空キャップ

V01	P/G	GL [mm]	m [g]
V0111S01	P	Ø11	0.6
V0111E02	P	Ø11	0.6
V0111R03	P	Ø11	0.6
V0116S01	P	Ø16.2	0.6
V0116E02	P	Ø16.2	0.6
V0116R03	P	Ø16.2	0.6
V0122S01	G	Ø22	1.3
V0122E02	G	Ø22	1.2
V0122R03	G	Ø22	1.2
V0133S01	G	Ø32	2.7
V0133E02	G	Ø32	2.6
V0133R03	G	Ø32	2.7
V0142S01	G	Ø41	4.8
V0142E02	G	Ø41	4.6
V0142R03	G	Ø41	4.7
V0153S01	G	Ø51.4	8.9
V0153E02	G	Ø51.4	8.4
V0153R03	G	Ø51.4	8.6



Ventose a soffietto / Bellow vacuum cups / Balgsaugsnapfe / Ventouses à soufflet / Ventosa con fuelle / Ventosas com fole / Kõrükülü vantuz / ベロース真空キャップ

V02	P/G	GM [mm]	m [g]
V0211S01	P	Ø11	0.8
V0211E02	P	Ø11	0.8
V0211R03	P	Ø11	0.8
V0216S01	P	Ø15.7	1.3
V0216E02	P	Ø15.7	1.2
V0216R03	P	Ø15.7	1.2
V0222S01	P	Ø22	1.7
V0222E02	P	Ø22	1.6
V0222R03	P	Ø22	1.6
V0233S01	G	Ø34	5.3
V0233E02	G	Ø34	5
V0233R03	G	Ø34	5.1
V0242S01	G	Ø42	8.6
V0242E02	G	Ø42	8.2
V0242R03	G	Ø42	8.4
V0253S01	G	Ø53	14.8
V0253E02	G	Ø53	14
V0253R03	G	Ø53	14.4



Nippli / Nipples / Nippel / Mamelons / Niples / Acessórios de ventosa / Nipeller / ニップル

AV	P/G	GO [mm]	m [g]
AV01M5F08	P	M5	1.2
AV0118F13	P	G1/8"	4
AV0118F12	G	G1/8"	3
AV0118F16	G	G1/8"	6.2
AV0114F16	G	G1/4"	4.6



Nippli / Nipples / Nippel / Mamelons / Niples / Acessórios de ventosa / Nipeller / ニップル

AV	P/G	GQ [mm]	m [g]
AV01M5M08	P	M5	0.8
AV0118M12	G	G1/8"	3.6
AV0118M13	P	G1/8"	4
AV0118M16	G	G1/8"	4
AV0114M16	G	G1/4"	5.4

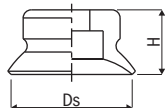
Ventose
Vacuum cups
Saugnapfe
Ventouses
Ventosas
Ventosas
Vantuzlar
真空キャップ

Ventose modulari piGRIP® / piGRIP® modular suction cups / Modulare Saugnapfe piGRIP® / Ventouses modulaires piGRIP® / Ventosas modulares piGRIP® / Ventosas modulares piGrip® / piGRIP® modüler vantuzlar / piGRIP®モジュラー・真空キャップ



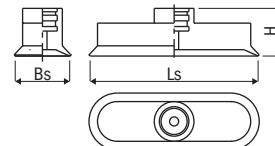
TPE 60 Sh.A	 	Ø25 mm	VG.S25T60FS1	VG.S25T60B1S1	VG.S25T60B3S1	VG.S25T60B6S1
		Ø35 mm	VG.S35T60FS1	VG.S35T60B1S1	VG.S35T60B3S1	VG.S35T60B6S1
		Ø50 mm	VG.S50T60FS1	VG.S50T60B1S1	VG.S50T60B3S1	VG.S50T60B6S1
		Ø70 mm	VG.S70T60FS1	VG.S70T60B1S1	VG.S70T60B3S1	VG.S70T60B6S1
TPE 50 Sh.A	 	Ø25 mm	VG.S25T50FS1	VG.S25T50B1S1	VG.S25T50B3S1	VG.S25T50B6S1
		Ø35 mm	VG.S35T50FS1	VG.S35T50B1S1	VG.S35T50B3S1	VG.S35T50B6S1
		Ø50 mm	VG.S50T50FS1	VG.S50T50B1S1	VG.S50T50B3S1	VG.S50T50B6S1
		Ø70 mm	VG.S70T50FS1	VG.S70T50B1S1	VG.S70T50B3S1	VG.S70T50B6S1
TPE 50 Sh.A	 	Ø28 mm	VG.FX28T50FS1	VG.FX28T50B1S1	VG.FX28T50B3S1	VG.FX28T50B6S1
		Ø39 mm	VG.FX39T50FS1	VG.FX39T50B1S1	VG.FX39T50B3S1	VG.FX39T50B6S1
		Ø55 mm	VG.FX55T50FS1	VG.FX55T50B1S1	VG.FX55T50B3S1	VG.FX55T50B6S1
		Ø77 mm	VG.FX77T50FS1	VG.FX77T50B1S1	VG.FX77T50B3S1	VG.FX77T50B6S1
TPE 30 Sh.A	 	Ø28 mm	VG.FX28T30FS1	VG.FX28T30B1S1	VG.FX28T30B3S1	VG.FX28T30B6S1
		Ø39 mm	VG.FX39T30FS1	VG.FX39T30B1S1	VG.FX39T30B3S1	VG.FX39T30B6S1
		Ø55 mm	VG.FX55T30FS1	VG.FX55T30B1S1	VG.FX55T30B3S1	VG.FX55T30B6S1
		Ø77 mm	VG.FX77T30FS1	VG.FX77T30B1S1	VG.FX77T30B3S1	VG.FX77T30B6S1
Silicone 50 Sh.A	 	Ø34 mm	VG.BG34S50FS1	VG.BG34S50B1S1	VG.BG34S50B3S1	VG.BG34S50B6S1
		Ø48 mm	VG.BG48S50FS1	VG.BG48S50B1S1	VG.BG48S50B3S1	VG.BG48S50B6S1
		Ø63 mm	VG.BG63S50FS1	VG.BG63S50B1S1	VG.BG63S50B3S1	VG.BG63S50B6S1
NR	 	Ø25 mm	VG.FLI25FFS1	VG.FLI25FB1S1	VG.FLI25FB3S1	VG.FLI25FB6S1
		Ø35 mm	VG.FLI35FFS1	VG.FLI35FB1S1	VG.FLI35FB3S1	VG.FLI35FB6S1
		Ø50 mm	VG.FLI50FFS1	VG.FLI50FB1S1	VG.FLI50FB3S1	VG.FLI50FB6S1
		Ø70 mm	VG.FLI70FFS1	VG.FLI70FB1S1	VG.FLI70FB3S1	VG.FLI70FB6S1
EPDM	 	Ø25 mm	VG.FLI25SFS1	VG.FLI25SB1S1	VG.FLI25SB3S1	VG.FLI25SB6S1
		Ø35 mm	VG.FLI35SFS1	VG.FLI35SB1S1	VG.FLI35SB3S1	VG.FLI35SB6S1
		Ø50 mm	VG.FLI50SFS1	VG.FLI50SB1S1	VG.FLI50SB3S1	VG.FLI50SB6S1
		Ø70 mm	VG.FLI70SFS1	VG.FLI70SB1S1	VG.FLI70SB3S1	VG.FLI70SB6S1
HNBR 50 Sh.A	 	Ø29 mm	VG.HS29HN50FS1	VG.HS29HN50B1S1	VG.HS29HN50B3S1	VG.HS29HN50B6S1
		Ø39 mm	VG.HS39HN50FS1	VG.HS39HN50B1S1	VG.HS39HN50B3S1	VG.HS39HN50B6S1
		Ø58 mm	VG.HS58HN50FS1	VG.HS58HN50B1S1	VG.HS58HN50B3S1	VG.HS58HN50B6S1
		Ø79 mm	VG.HS79HN50FS1	VG.HS79HN50B1S1	VG.HS79HN50B3S1	VG.HS79HN50B6S1

Ventose
Vacuum cups
Saugnöpfe
Ventouses
Ventosas
Ventosas
Vantuzlar
真空キャップ



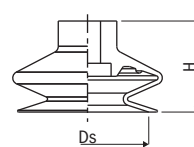
Ventose plane / Flat vacuum cups / Flachsaugnöpfe / Ventouses plates / Ventosa plana / Ventosas esféricas / Düz Vantuzlar / 平真空キャップ

VS.	NEW		Ds [mm]	H [mm]	m [g]
VS.PFG2NBR55N003	NBR		2	4	0.1
VS.PFG2SI55N003	SIL		2	4	0.1
VS.PFG3.5NBR55N003	NBR		3.5	4	0.3
VS.PFG3.5SI55N003	SIL		3.5	4	0.4
VS.PFG5HT160N004	HT1		5	6.5	0.2
VS.PFG5NBR55N004	NBR		5	6.5	0.2
VS.PFG5SI55N004	SIL		5	6.5	0.2
VS.PFG8HT160N004	HT1		8	7	0.2
VS.PFG8NBR55N004	NBR		8	7	0.2
VS.PFG8SI55N004	SIL		8	7	0.2
VS.PFG10HT160N004	HT1		10	7.5	0.2
VS.PFG10NBR55N004	NBR		10	7.5	0.31
VS.PFG10SI55N004	SIL		10	7.5	0.3
VS.PFG15HT160N005	HT1		15	8	0.7
VS.PFG15NBR55N005	NBR		15	8	0.7
VS.PFG15SI55N005	SIL		15	8	0.7
VS.PFG20HT160N006	HT1		20	10	1.4
VS.PFG20NBR55N006	NBR		20	10	1.5
VS.PFG20SI55N006	SIL		20	10	1.4
VS.PFG25HT160N007	HT1		25	14	2.4
VS.PFG25NBR55N007	NBR		25	14	2.2
VS.PFG25SI55N007	SIL		25	14	2.4
VS.PFG30HT160N007	HT1		28.8	12	3.5
VS.PFG30NBR55N007	NBR		28.8	12	3.3
VS.PFG30SI55N007	SIL		28.8	12	3.4
VS.PFG40HT160N007	HT1		40	14	7.6
VS.PFG40NBR55N007	NBR		40	14	7.6
VS.PFG40SI55N007	SIL		40	14	7.4
VS.PFG50HT160N008	HT1		50	15	10.6
VS.PFG50NBR55N008	NBR		50	15	10.2
VS.PFG50SI55N008	SIL		50	15	10.5
VS.PFG60HT160N009	HT1		60	18	24.2
VS.PFG60NBR55N009	NBR		60	18	24.7
VS.PFG60SI55N009	SIL		60	18	23.6
VS.PFG80HT160N009	HT1		80	18	51.2
VS.PFG80NBR55N009	NBR		80	18	52.8
VS.PFG80SI55N009	SIL		80	18	50.5
VS.PFG95NBR55N009	NBR		95	19	92.4
VS.PFG95SI55N009	SIL		95	19	87.9



Ventose plane ovali / Flat oval vacuum cups / Ovale flache Saugnöpfe / Ventouses plates ovales / Ventosa plana ovalada / Ventosas planas ovals / Oval yassı vantuz / 卵形平真空キャップ

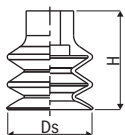
VS.	NEW		Bs [mm]	Ls [mm]	H [mm]	m [g]
VS.SG04X2HT160N003	HT1		2	4	6	0.1
VS.SG04X2NBR60N003	NBR		2	4	6	0.1
VS.SG07X3.5HT160N003	HT1		3.5	7	6	0.1
VS.SG07X3.5NBR60N003	NBR		3.5	7	6	0.14
VS.SG015X5HT160N021	HT1		5	15	12	0.5
VS.SG015X5NBR60N021	NBR		5	15	12	0.5
VS.SG018X6HT160N021	HT1		6	18	12	0.5
VS.SG018X6NBR60N021	NBR		6	18	12	0.5
VS.SG024X8HT160N022	HT1		8	24	12	2.6
VS.SG024X8NBR60N022	NBR		8	24	12	2.6
VS.SG030X10HT160N022	HT1		10	30	12	2.8
VS.SG030X10NBR60N022	NBR		10	30	12	2.7
VS.SG045X15HT160N023	HT1		15	45	21	6.3
VS.SG045X15NBR60N023	NBR		15	45	21	6.3
VS.SG060X20HT160N023	HT1		20	60	21	9.7
VS.SG060X20NBR60N023	NBR		20	60	21	9.6
VS.SG075X25HT160N023	HT1		25	75	21	17.8
VS.SG075X25NBR60N023	NBR		25	75	21	17.8
VS.SG090X30NBR70N023	NBR		30	90	21	26



Ventose con 1.5 soffietti / Vacuum cups with 1.5 bellows / Saugnöpfe mit 1.5 Balgen / Ventouses avec 1.5 soufflets / Ventosas con 1.5 fuelles / Ventosas com 1.5 foles / 1.5 körekli vantuzlar / 1.5 ベロース付き真空キャップ

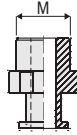
VS.	NEW		Ds [mm]	H [mm]	m [g]
VS.FGA11HT160N016	HT1		10.4	16	0.9
VS.FGA11NBR55N016	NBR		10.4	16	0.9
VS.FGA11SI55N016	SIL		10.4	16	0.8
VS.FGA16HT160N016	HT1		15.6	19.2	1.2
VS.FGA16NBR55N016	NBR		15.6	19.2	1.3
VS.FGA16SI55N016	SIL		15.6	19.2	1.2
VS.FGA22HT160N016	HT1		21.5	19	1.9
VS.FGA22NBR55N016	NBR		21.5	19	1.9
VS.FGA22SI55N016	SIL		21.5	19	1.8
VS.FGA33HT160N018	HT1		30	27	7.3
VS.FGA33NBR55N018	NBR		30	27	7.3
VS.FGA33SI55N018	SIL		30	27	7
VS.FGA43HT160N018	HT1		38	27.6	11.5
VS.FGA43NBR55N018	NBR		38	27.6	11.6
VS.FGA43SI55N018	SIL		38	27.6	11
VS.FGA53HT160N018	HT1		50	34	19.4
VS.FGA53NBR55N018	NBR		50	34	19.3
VS.FGA53SI55N018	SIL		50	34	18.4
VS.FGA78HT160N019	HT1		74	47	60
VS.FGA78NBR55N019	NBR		74	47	58.4
VS.FGA78SI55N019	SIL		74	47	54.3

Ventose
Vacuum cups
Saugnapfe
Ventouses
Ventosas
Ventosas
Vantuzlar
真空キャップ



Ventose con 2.5 soffietti / Vacuum cups with 2.5 bellows / Saugnapfe mit 2.5 Balgen /
Ventouses avec 2.5 soufflets / Ventosas con 2.5 fuelles / Ventosas com 2.5 foles /
2.5 körüklü vantuzlar /
2.5 ベローズ付き真空キャップ

VS.	NEW		Ds [mm]	H [mm]	m [g]
VS.FG5HT160N017		HT1	5	14	0.3
VS.FG5NBR55N017		NBR	5	14	0.3
VS.FG5SI55N017		SIL	5	14	0.3
VS.FG9HT160N016		HT1	9	15	0.6
VS.FG9NBR55N016		NBR	9	15	0.6
VS.FG9SI55N016		SIL	9	15	0.6
VS.FG12HT160N016		HT1	12	21	1.1
VS.FG12NBR55N016		NBR	12	21	1.1
VS.FG12SI55N016		SIL	12	21	1.1
VS.FG14HT160N016		HT1	14.5	22.8	1.4
VS.FG14NBR55N016		NBR	14.5	22.8	1.4
VS.FG14SI55N016		SIL	14.5	22.8	1.3
VS.FG18HT160N016		HT1	17.2	22.6	1.9
VS.FG18NBR55N016		NBR	17.2	22.6	2.1
VS.FG18SI55N016		SIL	17.2	22.6	1.9
VS.FG20HT160N016		HT1	20	22.1	2
VS.FG20NBR55N016		NBR	20	22.1	2.2
VS.FG20SI55N016		SIL	20	22.1	2
VS.FG32HT160N018		HT1	32	37.5	9.5
VS.FG32NBR55N018		NBR	32	37.5	9.6
VS.FG32SI55N018		SIL	32	37.5	9
VS.FG42HT160N018		HT1	42.6	46	20.9
VS.FG42NBR55N018		NBR	42.6	46	22.5
VS.FG42SI55N018		SIL	42.6	46	20.6
VS.FG62HT160N018		HT1	62	54	40.3
VS.FG62NBR55N018		NBR	62	54	42.1
VS.FG62SI55N018		SIL	62	54	38.1
VS.FG88NBR55N019		NBR	89	86.5	166.6
VS.FG88SI55N019		SIL	89	86.5	155.6



Nippli (per ventose serie VS.) / Nipples (for vacuum cups series VS.) / Nippel (für
Saugnapfe Serie VS.) / Mamelons (pour ventouses série VS.) / Racores (para ventosas
de la serie VS.) / Acessórios (para ventosas série VS.) / Nipel (VS. serisi vantuzlar için) /
(VSシリーズの真空キャップ用)ニップル

AVS.	NEW		M	m [g]
AVS.N003M3AG100			M3	0.18
AVS.N004M5AG200			M5	1.05
AVS.N004G18AG200			1/8	3.8
AVS.N005G18AG200			1/8	4.05
AVS.N006G18AG200			1/8	4.3
AVS.N007G18AG240			1/8	3.8
AVS.N008G18AG240			1/8	4.7
AVS.N009G14AG			1/4	9.3
AVS.N023G14AG350			1/4	9.6
AVS.N022G18AG350			1/8	3.8
AVS.N021M5AG200			M5	1.2
AVS.N016M5AG250			M5	1.02
AVS.N017M5AG200			M5	1.1
AVS.N018G14AG440			1/4	7.75
AVS.N019G14AG			1/4	14.2
AVS.N016G18AG350			1/8	4.13

Ventose
Vacuum cups
Saugnapfe
Ventouses
Ventosas
Ventosas
Vantuzlar
真空キャップ



Ventose plane con nipplo / Flat vacuum cups with nipple / Flache Saugnapfe mit Nippel / Ventouses plates avec mamelon / Ventosa plana con racor / Ventosas planas com acessório / Yassi vantuzlar nipelleri ile birlikte / ニップル付き平真空キャップ

WS.	NEW	(5)	(6)	m [g]
WS.PFYN2NBR55M3AG		VS.PFG2NBR55N003	AVS.N003M3AG	0.28
WS.PFYN2SI55M3AG		VS.PFG2SI55N003	AVS.N003M3AG	0.28
WS.PFYN3.5NBR55M3AG		VS.PFG3.5NBR55N003	AVS.N003M3AG	0.48
WS.PFYN3.5SI55M3AG		VS.PFG3.5SI55N003	AVS.N003M3AG	0.58
WS.PFYN5HT160M5AG		VS.PFG5HT160N004	AVS.N004M5AG200	1.25
WS.PFYN5NBR55M5AG		VS.PFG5NBR55N004	AVS.N004M5AG200	1.25
WS.PFYN5SI55M5AG		VS.PFG5SI55N004	AVS.N004M5AG200	1.25
WS.PFYN8HT160M5AG		VS.PFG8HT160N004	AVS.N004M5AG200	1.25
WS.PFYN8NBR55M5AG		VS.PFG8NBR55N004	AVS.N004M5AG200	1.25
WS.PFYN8SI55M5AG		VS.PFG8SI55N004	AVS.N004M5AG200	1.25
WS.PFYN10HT160G18AG		VS.PFG10HT160N004	AVS.N004G18AG200	4
WS.PFYN10HT160M5AG		VS.PFG10HT160N004	AVS.N004M5AG200	1.36
WS.PFYN10NBR55G18AG		VS.PFG10NBR55N004	AVS.N004G18AG200	4.1
WS.PFYN10NBR55M5AG		VS.PFG10NBR55N004	AVS.N004M5AG200	1.25
WS.PFYN10SI55G18AG		VS.PFG10SI55N004	AVS.N004G18AG200	4.11
WS.PFYN10SI55M5AG		VS.PFG10SI55N004	AVS.N004M5AG200	1.35
WS.PFYN15HT160G18AG		VS.PFG15HT160N005	AVS.N005G18AG200	4.75
WS.PFYN15NBR55G18AG		VS.PFG15NBR55N005	AVS.N005G18AG200	4.75
WS.PFYN15SI55G18AG		VS.PFG15SI55N005	AVS.N005G18AG200	4.75
WS.PFYN20HT160G18AG		VS.PFG20HT160N006	AVS.N006G18AG200	5.7
WS.PFYN20NBR55G18AG		VS.PFG20NBR55N006	AVS.N006G18AG200	5.8
WS.PFYN20SI55G18AG		VS.PFG20SI55N006	AVS.N006G18AG200	5.7
WS.PFYN25HT160G18AG		VS.PFG25HT160N007	AVS.N007G18AG240	6.2
WS.PFYN25NBR55G18AG		VS.PFG25NBR55N007	AVS.N007G18AG240	6
WS.PFYN25SI55G18AG		VS.PFG25SI55N007	AVS.N007G18AG240	6.2
WS.PFYN30HT160G18AG		VS.PFG30HT160N007	AVS.N007G18AG240	7.3
WS.PFYN30NBR55G18AG		VS.PFG30NBR55N007	AVS.N007G18AG240	7.1
WS.PFYN30SI55G18AG		VS.PFG30SI55N007	AVS.N007G18AG240	7.2
WS.PFYN40HT160G18AG		VS.PFG40HT160N007	AVS.N007G18AG240	11.4
WS.PFYN40NBR55G18AG		VS.PFG40NBR55N007	AVS.N007G18AG240	11.4
WS.PFYN40SI55G18AG		VS.PFG40SI55N007	AVS.N007G18AG240	11.2
WS.PFYN50HT160G18AG		VS.PFG50HT160N008	AVS.N008G18AG240	10.6
WS.PFYN50NBR55G18AG		VS.PFG50NBR55N008	AVS.N008G18AG240	10.2
WS.PFYN50SI55G18AG		VS.PFG50SI55N008	AVS.N008G18AG240	10.5
WS.PFYN60HT160G14AG		VS.PFG60HT160N009	AVS.N009G14AG	24.2
WS.PFYN60NBR55G14AG		VS.PFG60NBR55N009	AVS.N009G14AG	24.7
WS.PFYN60SI55G14AG		VS.PFG60SI55N009	AVS.N009G14AG	23.6
WS.PFYN80NBR55G14AG		VS.PFG80NBR55N009	AVS.N009G14AG	51.2
WS.PFYN80SI55G14AG		VS.PFG80SI55N009	AVS.N009G14AG	52.8
WS.PFYN80HT160G14AG		VS.PFG80HT160N009	AVS.N009G14AG	50.5
WS.PFYN95NBR55G14AG		VS.PFG95NBR55N009	AVS.N009G14AG	92.4
WS.PFYN95SI55G14AG		VS.PFG95SI55N009	AVS.N009G14AG	87.9

(5)
Ventosa / Vacuum cup / Saugnapf / Ventouse / Ventosa / Ventosa / Vantuz / 真空キャップ

(6)
Nipplo / Nipple / Nippel / Mamelon / Niple / Acoplamento / Nipel / ニップル



Ventose plane ovali con nipplo / Flat oval vacuum cups with nipple / Ovale flache Saugnapfe mit Nippel / Ventouses plates ovales avec mamelon / Ventosa plana ovalada con racor / Ventosas planas ovais com acessório / Yassi oval vantuzlar nipelleri ile birlikte / ニップル付き卵形平真空キャップ

WS.	NEW	(5)	(6)	m [g]
WS.SGON4x2HT1M3AG		VS.SG04x2HT160N003	AVS.N003M3AG100	0.28
WS.SGON4x2NBRM3AG		VS.SG04x2NBR60N003	AVS.N003M3AG100	0.28
WS.SGON7x3.5HT1M3AG		VS.SG07x3.5HT160N003	AVS.N003M3AG100	0.28
WS.SGON7x3.5NBRM3AG		VS.SG07x3.5NBR60N003	AVS.N003M3AG100	0.32
WS.SGON15x5HT1M5AG		VS.SG015x5HT160N021	AVS.N021M5AG200	0.71
WS.SGON15x5NBRM5AG		VS.SG015x5NBR60N021	AVS.N021M5AG200	0.71
WS.SGON18x6HT1M5AG		VS.SG018x6HT160N021	AVS.N021M5AG200	0.71
WS.SGON18x6NBRM5AG		VS.SG018x6NBR60N021	AVS.N021M5AG200	0.71
WS.SGON24x8HT1G18AG		VS.SG024x8HT160N022	AVS.N022G18AG350	6.4
WS.SGON24x8NBRG18AG		VS.SG024x8NBR60N022	AVS.N022G18AG350	6.4
WS.SGON30x10HT1G18AG		VS.SG030x10HT160N022	AVS.N022G18AG350	6.6
WS.SGON30x10NBRG18AG		VS.SG030x10NBR60N022	AVS.N022G18AG350	6.5
WS.SGON45x15HT1G18AG		VS.SG045x15HT160N023	AVS.N023G14AG350	15.9
WS.SGON45x15NBRG18AG		VS.SG045x15NBR60N023	AVS.N023G14AG350	15.9
WS.SGON60x20HT1G18AG		VS.SG060x20HT160N023	AVS.N023G14AG350	19.3
WS.SGON60x20NBRG18AG		VS.SG060x20NBR60N023	AVS.N023G14AG350	19.3
WS.SGON75x25NBRG14AG		VS.SG075x25HT160N023	AVS.N023G14AG350	27.4
WS.SGON75x25HT1G14AG		VS.SG075x25NBR60N023	AVS.N023G14AG350	27.4
WS.SGON90X30NBRG14AG		VS.SG090X30NBR70N023	AVS.N023G14AG350	35.6

Ventose
Vacuum cups
Saugnapfe
Ventouses
Ventosas
Ventosas
Vantuzlar
真空キャップ



Ventose con 1.5 soffietti con nipplo / Vacuum cups with 1.5 bellows with nipple / Saugnäpfe mit 1.5 Balgen mit Nippel / Ventouses avec 1.5 soufflets avec mamelon / Ventosa de 1.5 fuelles con racor / Ventosas com 1.5 foles e acessório / 1.5 körüklü vantuzlar nipelleri ile birlikte / ニップルと1.5 ベロース付き真空キャップ

WS.	NEW	(5)	(6)	m [g]
WS.FSGA11HT160G18AG		VS.FGA11HT160N016	AVS.N016G18AG350	5.03
WS.FSGA11HT160M5AG		VS.FGA11HT160N016	AVS.N016M5AG250	1.92
WS.FSGA11NBR55G18AG		VS.FGA11NBR55N016	AVS.N016G18AG350	5.03
WS.FSGA11NBR55M5AG		VS.FGA11NBR55N016	AVS.N016M5AG250	1.92
WS.FSGA11SI55G18AG		VS.FGA11SI55N016	AVS.N016G18AG350	5.03
WS.FSGA11SI55M5AG		VS.FGA11SI55N016	AVS.N016M5AG250	1.92
WS.FSGA16HT160G18AG		VS.FGA16HT160N016	AVS.N016G18AG350	5.33
WS.FSGA16HT160M5AG		VS.FGA16HT160N016	AVS.N016M5AG250	2.32
WS.FSGA16NBR55G18AG		VS.FGA16NBR55N016	AVS.N016G18AG350	5.33
WS.FSGA16NBR55M5AG		VS.FGA16NBR55N016	AVS.N016M5AG250	2.22
WS.FSGA16SI55G18AG		VS.FGA16SI55N016	AVS.N016G18AG350	5.43
WS.FSGA16SI55M5AG		VS.FGA16SI55N016	AVS.N016M5AG250	2.22
WS.FSGA22HT160G18AG		VS.FGA22HT160N016	AVS.N016G18AG350	6.03
WS.FSGA22HT160M5AG		VS.FGA22HT160N016	AVS.N016M5AG250	2.92
WS.FSGA22NBR55G18AG		VS.FGA22NBR55N016	AVS.N016G18AG350	5.93
WS.FSGA22NBR55M5AG		VS.FGA22NBR55N016	AVS.N016M5AG250	2.92
WS.FSGA22SI55G18AG		VS.FGA22SI55N016	AVS.N016G18AG350	6.02
WS.FSGA22SI55M5AG		VS.FGA22SI55N016	AVS.N016M5AG250	2.82
WS.FSGA33HT160G14AG		VS.FGA33HT160N018	AVS.N018G14AG440	15.05
WS.FSGA33NBR55G14AG		VS.FGA33NBR55N018	AVS.N018G14AG440	15.05
WS.FSGA33SI55G14AG		VS.FGA33SI55N018	AVS.N018G14AG440	14.75
WS.FSGA43HT160G14AG		VS.FGA43HT160N018	AVS.N018G14AG440	19.25
WS.FSGA43NBR55G14AG		VS.FGA43NBR55N018	AVS.N018G14AG440	19.35
WS.FSGA43SI55G14AG		VS.FGA43SI55N018	AVS.N018G14AG440	18.75
WS.FSGA53HT160G14AG		VS.FGA53HT160N018	AVS.N018G14AG440	27.15
WS.FSGA53NBR55G14AG		VS.FGA53NBR55N018	AVS.N018G14AG440	27.05
WS.FSGA53SI55G14AG		VS.FGA53SI55N018	AVS.N018G14AG440	26.15
WS.FSGA78NBR55G14AG		VS.FGA78HT160N019	AVS.N019G14AG	74.20
WS.FSGA78SI55G14AG		VS.FGA78NBR55N019	AVS.N019G14AG	72.6
WS.FSGA78HT160G14AG		VS.FGA78SI55N019	AVS.N019G14AG	68.5

(5)
Ventosa / Vacuum cup / Saugnapf / Ventouse / Ventosa / Ventosa / Vantuz / 真空キャップ

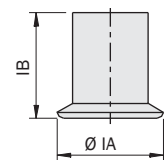
(6)
Nipplo / Nipple / Nippel / Mamelon / Niple / Acoplamento / Nipel / ニップル



Ventose con 2.5 soffietti con nipplo / Vacuum cups with 2.5 bellows with nipple / Saugnäpfe mit 2.5 Balgen mit Nippel / Ventouses avec 2.5 soufflets avec mamelon / Ventosa de 2.5 fuelles con racor / Ventosas com 2.5 foles e acessório / 2.5 körüklü vantuzlar nipelleri ile birlikte / ニップルと2.5 ベロース付き真空キャップ

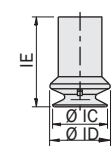
WS.	NEW	(5)	(6)	m [g]
WS.FSG5HT160M5AG		VS.FG5HT160N017	AVS.N017M5AG200	1.4
WS.FSG5NBR55M5AG		VS.FG5NBR55N017	AVS.N017M5AG200	1.4
WS.FSG5SI55M5AG		VS.FG5SI55N017	AVS.N017M5AG200	1.4
WS.FSG9HT160G18AG		VS.FG9HT160N016	AVS.N016G18AG350	4.73
WS.FSG9HT160M5AG		VS.FG9HT160N016	AVS.N016M5AG250	1.62
WS.FSG9NBR55G18AG		VS.FG9NBR55N016	AVS.N016G18AG350	4.73
WS.FSG9NBR55M5AG		VS.FG9NBR55N016	AVS.N016M5AG250	1.62
WS.FSG9SI55G18AG		VS.FG9SI55N016	AVS.N016G18AG350	4.73
WS.FSG9SI55M5AG		VS.FG9SI55N016	AVS.N016M5AG250	1.62
WS.FSG12HT160G18AG		VS.FG12HT160N016	AVS.N016G18AG350	5.23
WS.FSG12HT160M5AG		VS.FG12HT160N016	AVS.N016M5AG250	2.12
WS.FSG12NBR55G18AG		VS.FG12NBR55N016	AVS.N016G18AG350	5.23
WS.FSG12NBR55M5AG		VS.FG12NBR55N016	AVS.N016M5AG250	2.12
WS.FSG12SI55G18AG		VS.FG12SI55N016	AVS.N016G18AG350	5.23
WS.FSG12SI55M5AG		VS.FG12SI55N016	AVS.N016M5AG250	2.12
WS.FSG14HT160G18AG		VS.FG14HT160N016	AVS.N016G18AG350	5.53
WS.FSG14HT160M5AG		VS.FG14HT160N016	AVS.N016M5AG250	2.42
WS.FSG14NBR55G18AG		VS.FG14NBR55N016	AVS.N016G18AG350	5.43
WS.FSG14NBR55M5AG		VS.FG14NBR55N016	AVS.N016M5AG250	2.42
WS.FSG14SI55G18AG		VS.FG14SI55N016	AVS.N016G18AG350	5.53
WS.FSG14SI55M5AG		VS.FG14SI55N016	AVS.N016M5AG250	2.32
WS.FSG18HT160G18AG		VS.FG18HT160N016	AVS.N016G18AG350	6.03
WS.FSG18HT160M5AG		VS.FG18HT160N016	AVS.N016M5AG250	3.12
WS.FSG18NBR55G18AG		VS.FG18NBR55N016	AVS.N016G18AG350	6.03
WS.FSG18NBR55M5AG		VS.FG18NBR55N016	AVS.N016M5AG250	2.92
WS.FSG18SI55G18AG		VS.FG18SI55N016	AVS.N016G18AG350	6.23
WS.FSG18SI55M5AG		VS.FG18SI55N016	AVS.N016M5AG250	2.92
WS.FSG20HT160G18AG		VS.FG20HT160N016	AVS.N016G18AG350	6.13
WS.FSG20HT160M5AG		VS.FG20HT160N016	AVS.N016M5AG250	3.22
WS.FSG20NBR55G18AG		VS.FG20NBR55N016	AVS.N016G18AG350	6.13
WS.FSG20NBR55M5AG		VS.FG20NBR55N016	AVS.N016M5AG250	3.02
WS.FSG20SI55G18AG		VS.FG20SI55N016	AVS.N016G18AG350	6.33
WS.FSG20SI55M5AG		VS.FG20SI55N016	AVS.N016M5AG250	3.02
WS.FSG32HT160G14AG		VS.FG32HT160N018	AVS.N018G14AG440	17.25
WS.FSG32NBR55G14AG		VS.FG32NBR55N018	AVS.N018G14AG440	17.25
WS.FSG32SI55G14AG		VS.FG32SI55N018	AVS.N018G14AG440	17.25
WS.FSG42HT160G14AG		VS.FG42HT160N018	AVS.N018G14AG440	28.65
WS.FSG42NBR55G14AG		VS.FG42NBR55N018	AVS.N018G14AG440	30.25
WS.FSG42SI55G14AG		VS.FG42SI55N018	AVS.N018G14AG440	28.35
WS.FSG62HT160G14AG		VS.FG62HT160N018	AVS.N018G14AG440	48.05
WS.FSG62NBR55G14AG		VS.FG62NBR55N018	AVS.N018G14AG440	49.85
WS.FSG62SI55G14AG		VS.FG62SI55N018	AVS.N018G14AG440	45.85
WS.FSG88NBR55G14AG		VS.FG88NBR55N019	AVS.N019G14AG	180.8
WS.FSG88SI55G14AG		VS.FG88SI55N019	AVS.N019G14AG	169.8

Ventose
Vacuum cups
Saugnapfe
Ventouses
Ventosas
Ventosas
Vantuzlar
真空キャップ



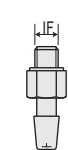
Ventose plane / Flat vacuum cups / Flachsaugnapfe / Ventouses plates / Ventosa plana / Ventosas esféricas / Düz vantuz / 平真空キャップ

VP.		IA [mm]	IB [mm]
VP3150114	CR	Ø5	6.1
VP3150114S	SIL	Ø5	6.1
VP3150115	CR	Ø7	7
VP3150115S	SIL	Ø7	7
VP3150116	CR	Ø9	7
VP3150116S	SIL	Ø9	7
VP3150117	CR	Ø11	10.5
VP3150117S	SIL	Ø11	10.5



Ventose a soffietto / Bellow vacuum cups / Balgsaughnapfe / Ventouses à soufflet / Ventosa con fuelle / Ventosas com fole / Körüklü vantuz / ベロース真空キャップ

VP.		IC [mm]	ID [mm]	IE [mm]
VP3150286	CR	Ø5.6	Ø6.2	9.2
VP3150286S	SIL	Ø5.6	Ø6.2	9.2
VP3150287	CR	Ø8.8	Ø9.6	11.9
VP3150287S	SIL	Ø8.8	Ø9.6	11.9
VP3150101	CR	Ø11	Ø12	16.4
VP3150101S	SIL	Ø11	Ø12	16.4



Nippili / Nipples / Nippel / Mamelons / Niples / Acessórios de ventosa / Nipeller / ニップル

AVP.	IF	m [g]
AVP3107031	M5	3
AVP3107030	M5	4



Pressore a molla / Spring rod / Federhalterung / Pressoir a ressort / Muelle vástago / Amortecedor por mola / Yaylı itici / スプリングロッド

V SX	m [g]
V SX1425	65



Nippili / Nipples / Nippel / Mamelons / Niples / Acessórios de ventosa / Nipeller / ニップル

AF	GR	m [g]
AF05M05M	M5	3
AF18M18M	G1/8"	4
AF14M14M	G1/4"	8
AF12F16M		25
AF17F25M		130
AF27F33M		140



Dado / Nut / Mutter / Écrou / Tuerca / Porcar / Somunlar / ナット

		m [g]
VITE-293	M12x1	4
VITE-455	M17x1	7
VITE-456	M27x1	23



Giunti angolari / Elbow arms / Gelenkverbindungen / Joints angulaires / Juntas angulares / Juntas angulares / Açı verme aparatı / エルボアーム

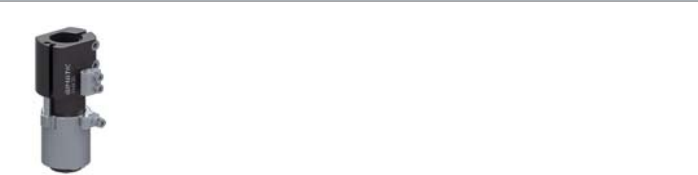
VA	IG	IH	m [g]
VAM5M5G	M5	M5	28
VAM18M18G	G1/8"	G1/8"	64
VAM18M14G	G1/4"	G1/8"	70
VAM14M14G	G1/4"	G1/4"	76



Giunti angolari / Elbow arms / Gelenkverbindungen / Joints angulaires / Juntas angulares / Juntas angulares / Açı verme aparatı / エルボアーム

VAC	IL	IM	m [g]
VAC05F05F	M5	M5	10
VAC18F18F	G1/8"	G1/8"	15
VAC14F14F	G1/4"	G1/4"	40

Sospensioni
Suspensions
Aufhängungen
Suspensions
Suspensión
Suspensão
Süspansiyonlar
サスペンション



Sospensioni universali anti-rotazione / Non-rotative universal suspensions / Drehgesicherte Universal-Aufhängungen / Suspensions universelles anti-rotation / Suspensión universal anti-rotación / Suspensão universal antirotação / Genel amaçlı dönmöz süspansiyonlar / 非回転汎用サスペンション

VMK	F [N]	s [mm]	m [g]
VMK14	5÷6	10	55
VMK20	7÷10	13	160
VMK30	7÷10	16	250



Sospensioni telescopiche anti-rotazione, con corpo liscio / Telescopic non-rotative vacuum suspensions, with smooth body / Drehgesicherte Teleskopaufhängungen, mit glattem Gehäuse / Suspensions télescopiques anti-rotation, avec corps lisse / Compensador de nivel telescópico anti-rotación, con el cuerpo liso / Suspensão telescópica anti- rotação com corpo liso / Teleskobik dönmöz vakum süspansiyonları, düz gövde / 非回転テレスコピック・サスペンション (磨き本体)

VSL	IO	IN	s [mm]	m [g]
VSL1620	Ø16	M5	20	30
VSL2030	Ø20	G1/8"	30	55
VSL2430	Ø24	G1/4"	30	70



Sospensioni telescopiche anti-rotazione, con corpo filettato / Telescopic non-rotative vacuum suspensions, with threaded body / Drehgesicherte Teleskopaufhängungen, mit Gewindegehäuse / Suspensions télescopiques anti-rotation, avec corps taraudé / Compensador de nivel telescópico anti-rotación, con el cuerpo roscado / Suspensão telescópica anti- rotação com corpo roscado / Teleskobik dönmöz vakum süspansiyonları, dişli gövde / 非回転テレスコピック・サスペンション (ねじ山本体)

VSC	IP	IQ	s [mm]	m [g]
VSC1620	M16x1	M5	20	35
VSC2230	M22x1.5	G1/8"	30	80
VSC2530	M25x1.5	G1/4"	30	115



Sospensioni telescopiche auto-ritraenti / Telescopic self-retracting suspensions / Selbst-einziehbare Teleskop-Aufhängungen / Suspensions télescopiques auto rétractables / Compensador telescópico retráctil / Compensador de nível auto-retráctil / Teleskobik kendiliğinden geri çekilen süspansiyonlar / 自動撤回テレスコピック・サスペンション

VSS	IR	IS	s [mm]	m [g]
VSS2025	M5	G1/8"	25	40
VSS2050	M5	G1/8"	50	50



Sospensioni rotanti, con corpo liscio / Rotative vacuum suspensions, with smooth body / Drehbare Aufhängungen, mit glattem Gehäuse / Suspensions sans anti-rotation, avec corps lisse / Compensador de nivel con rotación, con el cuerpo liso / Suspensão rotativa com corpo liso / Dönebilen vakum süspansiyonları, düz gövde / 回転サスペンション (磨き本体)

VSR	IV	IT [mm]	s [mm]	m [g]
VSR1010	M5	Ø10	10	7
VSR1025	M5	Ø10	25	11
VSR1420	G1/8"	Ø14	20	23
VSR1435	G1/8"	Ø14	35	32
VSR2025	G1/8"	Ø20	25	50
VSR2050	G1/8"	Ø20	50	77



Sospensioni rotanti, con corpo filettato / Rotative vacuum suspensions, with threaded body / Drehbare Aufhängungen, mit Gewindegehäuse / Suspensions sans anti-rotation, avec corps taraudé / Compensador de nivel con rotación, con el cuerpo roscado / Suspensão rotativa com corpo roscado / Dönebilen vakum süspansiyonları, dişli gövde / 回転サスペンション (ねじ山本体)

VSRT	LB	LA	s [mm]	m [g]
VSRT1010	M5	M10x1	10	11
VSRT1025	M5	M10x1	25	16
VSRT1420	G1/8"	M14x1.5	20	32
VSRT1435	G1/8"	M14x1.5	35	42
VSRT1620	G1/8"	M16x1	20	40
VSRT1635	G1/8"	M16x1	35	50
VSRT2025	G1/8"	M20x1.5	25	70
VSRT2050	G1/8"	M20x1.5	50	104

Sospensioni
Suspensions
Aufhängungen
Suspensions
Suspensión
Suspensão
Süspansiyonlar
サスペンション



Sospensioni anti-rotazione, con corpo liscio / Non-rotative vacuum suspensions, with smooth body / Drehgesicherte Aufhängungen, mit glattem Gehäuse / Suspensions anti-rotation, avec corps lisse / Compensador de nivel anti-rotación, con el cuerpo liso / Suspensão anti-rotação com corpo liso / Dönmez süspansiyonlar, düz gövde / 非回転サスペンション (磨き本体)

VSN	LD	LC [mm]	s [mm]	m [g]
VSN1010	M5	Ø10	10	7
VSN1025	M5	Ø10	25	11
VSN1420	G1/8"	Ø14	20	24
VSN1435	G1/8"	Ø14	35	33
VSN2025	G1/8"	Ø20	25	54
VSN2050	G1/8"	Ø20	50	80



Sospensioni anti-rotazione, con corpo filettato / Non-rotative vacuum suspensions, with threaded body / Drehgesicherte Aufhängungen, mit Gewindegehäuse / Suspensions anti-rotation, avec corps taraudé / Compensador de nivel anti-rotación, con el cuerpo roscado / Suspensão anti-rotação com corpo roscado / Dönmez süspansiyonlar, dişli gövde / 非回転サスペンション (ねじ山本体)

VSNT	LF	LE	s [mm]	m [g]
VSNT1010	M5	M10x1	10	12
VSNT1025	M5	M10x1	25	16



Sospensioni anti-rotazione con giunto angolare integrato, con corpo liscio / Non-rotative suspensions with integrated elbow arms, with smooth body / Drehgesicherte Aufhängungen mit integriertem Winkelgelenk, mit glattem Gehäuse / Suspensions anti-rotation avec joint angulaire intégré, avec corps lisse / Compensador de nivel anti-rotación, con brazo giratorio integrado y cuerpo liso / Suspensão anti-rotação com junta angular integrada e corpo liso / Aç ı ayarlı dönmez süspansiyonlar, düz gövde / 統合エルボアーム付き非回転サスペンション (磨き本体)

VSE	LG [mm]	LH	s [mm]	m [g]
VSE1010F05	Ø10	M5	10	15
VSE1025F05	Ø10	M5	25	20
VSE1420F18	Ø14	G1/8"	20	45
VSE1435F18	Ø14	G1/8"	35	55
VSE2025F18	Ø20	G1/8"	25	70
VSE2025F14	Ø20	G1/4"	25	90
VSE2050F18	Ø20	G1/8"	50	105
VSE2050F14	Ø20	G1/4"	50	120



Sospensioni anti-rotazione con giunto angolare integrato, con corpo filettato / Non-rotative suspensions with integrated elbow arms, with threaded body / Drehgesicherte Aufhängungen mit integriertem Winkelgelenk, mit Gewindegehäuse / Suspensions anti-rotation avec joint angulaire intégré, avec corps taraudé / Compensador de nivel anti-rotación, con brazo giratorio integrado y cuerpo roscado / Suspensão anti-rotação com junta angular integrada e corpo roscado / Aç ı ayarlı dönmez süspansiyonlar, dişli gövde / 統合エルボアーム付き非回転サスペンション (ねじ山本体)

VSET	LI	LM	s [mm]	m [g]
VSET1010F05	M10x1	M5	10	18
VSET1025F05	M10x1	M5	25	23
VSET1620F18	M16x1	G1/8"	20	57
VSET1635F18	M16x1	G1/8"	35	70
VSET2025F18	M20x1.5	G1/8"	25	88
VSET2025F14	M20x1.5	G1/4"	25	109
VSET2050F18	M20x1.5	G1/8"	50	125
VSET2050F14	M20x1.5	G1/4"	50	142



Sospensioni inox anti-rotazione per carichi elevati / Non-rotative heavy duty stainless suspensions / Drehgesicherte Aufhängungen aus rostfreiem Stahl für hohe Lasten / Suspensions inox anti-rotation pour charges élevées / Suspensiones de acero inoxidable antirrotación para cargas elevadas / Suspensões em inox anti-rotação para trabalhos pesados / Ağ ır şartlar için dönmez, çelik süspansiyonlar / ステンレス製非回転耐久力サスペンション

VVX	LN [mm]	LO	s [mm]	m [g]
VVX1010F	Ø10	M5	10	30
VVX1025F	Ø10	M5	25	45
VVX1420F	Ø14	G1/8"	20	80
VVX1435F	Ø14	G1/8"	35	110
VVX2025F	Ø20	G1/8"	25	150
VVX2050F	Ø20	G1/8"	50	235



Sospensioni inox rotanti con corpo filettato / Rotative stainless suspensions with threaded body / Drehbare Aufhängungen aus rostfreiem Stahl mit Gewindegehäuse / Suspensions inox rotatives avec corps fileté / Compensadores de nivel con rotación, en acero inox, y cuerpo roscado / Suspensão em inox rotativa com corpo roscado / Dişli gövdeli, dönebilen, paslanmaz süspansiyonlar / ステンレス製回転サスペンション (ねじ山本体)

VSRTG	LP	LQ	s [mm]	m [g]
VSRTG1225	M5	M12x1	25	50
VSRTG1635	G1/8"	M16x1	35	110
VSRTG2050	G1/4"	M20x1.5	50	220
VSRTG2580	G3/8"	M25x1.5	80	560

Sospensioni
Suspensions
Aufhängungen
Suspensions
Suspensión
Suspensão
Süspansiyonlar
サスペンション

Tubi flessibili
Hoses
Schläuche
Tubes flexibles
Tubos flexibles
Tubos flexíveis
Hortumlar
たわみチューブ



LS
LR

Sospensioni anti-rotazione con corpo liscio / Smooth-body non rotative telescopic suspensions / Drehgesicherte Aufhängungen mit glattem Körper / Suspensions anti-rotation avec corps lisse / Compensador de nivel anti-rotación, con el cuerpo liso / Suspensão anti-rotação com corpo liso / Düz gövdeli dönmez teleskobik süspansiyonlar / 非回転サスペンション (磨き本体)

VSNG	LR	LS [mm]	s [mm]	m [g]
VSNG1210	M5	Ø12	10	15
VSNG1225	M5	Ø12	25	20
VSNG1620	G1/8"	Ø16	20	40
VSNG1635	G1/8"	Ø16	35	50
VSNG2025	G1/4"	Ø20	25	55
VSNG2050	G1/4"	Ø20	50	85
VSNG2540	G3/8"	Ø25	40	135
VSNG2580	G3/8"	Ø25	80	205



LV
LT

Sospensioni anti-rotazione con corpo filettato/ Threaded-body non rotative telescopic suspensions / Drehgesicherte Aufhängungen mit Gewinde / Suspensions anti-rotation avec corps fileté / Compensador de nivel anti-rotación, con el cuerpo roscado / Suspensão anti-rotação com corpo roscado / Dişli gövdeli dönmez süspansiyonlar / 非回転サスペンション (ねじ山本体)

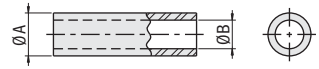
VSNTG	LT	LV [mm]	s [mm]	m [g]
VSNTG1210	M5	M12x1	10	15
VSNTG1225	M5	M12x1	25	20
VSNTG1620	G1/8"	M16x1	20	35
VSNTG1635	G1/8"	M16x1	35	45
VSNTG2025	G1/4"	M20x1.5	25	65
VSNTG2050	G1/4"	M20x1.5	50	90
VSNTG2540	G3/8"	M25x1.5	40	170
VSNTG2580	G3/8"	M25x1.5	80	235



MA
MB

Sospensioni anti-rotazione con cravatta regolabile e corpo liscio / Non-rotative suspensions with smooth-body and adjustable clamp / Drehgesicherte Aufhängungen mit einstellbarer Klemme und glattem Gehäuse / Suspension anti-rotation avec support réglable et corps lisse / Suspensión anti-rotación con soporte regulable y cuerpo liso / Suspensão antirotação com suporte regulável e corpo liso / Dönmez süspansiyonlar düz gövdeli, ayarlanabilir kelepçeli / 調整可能クランプ付き非回転サスペンション (磨き本体)

VSD	MA [mm]	MB [mm]	s [mm]	m [g]
VSD1420D10	Ø14	Ø10	20	43
VSD2025D10	Ø20	Ø10	25	69
VSD2025D20	Ø20	Ø20	25	85



TU NEW

		ØA [mm]	ØB [mm]	m [g/m]
TUB04X2,5B	Black	4	2.5	9.49
TUB04X2,5BL	Blue	4	2.5	9.49
TUB04X2,5GR	Green	4	2.5	9.49
TUB04X2,5RE	Red	4	2.5	9.49
TUB04X2,5SI	Silver	4	2.5	9.49
TUB04X2,5YE	Yellow	4	2.5	9.49
TUB06X4B	Black	6	4	19.47
TUB06X4BL	Blue	6	4	19.47
TUB06X4GR	Green	6	4	19.47
TUB06X4RE	Red	6	4	19.47
TUB06X4SI	Silver	6	4	19.47
TUB06X4YE	Yellow	6	4	19.47
TUB08X6B	Black	8	6	30
TUB08X6BL	Blue	8	6	30
TUB08X6SI	Silver	8	6	30
TUB08X6YE	Yellow	8	6	30

Attuatore a depressione
 Vacuum actuator
 Unterdruckantrieb
 Vérin à dépression
 Actuador de depresión
 Actuador de pressão
 Vakum aktuatörleri
 真空アクチュエータ

Pompe a vuoto
 Vacuum pumps
 Vakuumpumpen
 Pompes à vide
 Bombas de vacío
 Bombas de vácuo
 Vakum Üreteçleri
 真空ポンプ



VAQ	F [N]	s [mm]	m [g]
VAQ1820	10	20	90
VAQ1840	10	40	125
VAQN1820	10	20	105
VAQN1840	10	40	145



PV.	m [g]
PV.0122882	9.8
PV.0122025	23
PV.0122896	21.8

Raccordi
Fittings
Fittings Raccords
Raccords
Racordaje
Racord
Rakorlar
フィッティング



MC
MD

Raccordo diritto a calzamento / Straight push-on fitting / Gerade Verschraubung zum Aufstecken / Raccord droit à emboîtement / Racor rápido directo / Racord direito por embutimento / Düz rakor / 直線プッシュオン・フィッティング

RG.	MD	MC [mm]	
RG.R0-1376-AS1	M3	Ø4	(1)



MF
ME

Raccordo orientabile a "L" a calzamento / Adjustable-position push-on elbow fitting / Schwenkbare L-förmige Verschraubung zum Aufstecken / Raccord orientable en L à emboîtement / Racor rápido en codo orientable / Racord orientável em "L" por embutimento / Dirsek rakor / 調整可能L型プッシュオン・フィッティング

RG.	ME	MF [mm]	
RG.R0-1376-AS2	M3	Ø4	(1)



MH
MG

Raccordo diritto maschio cilindrico / Straight male adaptor (parallel) Gerade Einschraubverschraubung zylindrisch / Raccord droit mâle, cylindrique / Racor directo macho cilíndrico / Racord direito macho cilíndrico / Otomatik düz rakor / 直線円筒形雄フィッティング

RG.	MG	MH [mm]	
RG.5002000N01	M5	4	(1)
RG.5002000N02	1/8	4	(1)
RG.5002000N22	1/4	4	(1)
RG.5002000N20	M5	6	(1)
RG.5002000N03	1/8	6	(1)
RG.5002000N04	1/4	6	(1)
RG.5002000N05	1/8	8	(1)
RG.5002000N06	1/4	8	(1)

(1)
Confezione da 10 pezzi / 10 pieces package / 10 Stück Packung / Vendu par 10 pièces / Paquete de 10 piezas / Embalagem de 10 peças / Her paket 10 Adettir / 10個入りパック



ML
MI

Raccordo a L orientabile maschio cilindrico / Orienting elbow male adaptor (parallel) / Winkelschraubung zylindrisch (drehbar) / Équerre orientable mâle, cylindrique / Racor en L orientable macho cilíndrico / Racord em "L" orientável macho cilíndrico / Otomatik dirsek rakor / 調整可能L型円筒形雄フィッティング

RG.	MI	ML [mm]	
RG.5511600001	M3x0.5	4	(1)
RG.5511600002	M5	4	(1)
RG.5511600004	1/8	4	(1)
RG.5511600011	M5	6	(1)
RG.5511600013	1/8	6	(1)
RG.5511600014	1/4	6	(1)
RG.5511600017	1/8	8	(1)
RG.5511600018	1/4	8	(1)



MM
MN

Raccordo a T orientabile maschio cilindrico / Orienting Tee male adaptor (parallel) – centre leg / T-Einschraubverschraubung zylindrisch (drehbar) / Té orientable à piquage mâle central, cylindrique / Racor en T orientable macho cilíndrico / Racord em "T" orientável macho cilíndrico / Otomatik T rakor / 調整可能T型円筒形雄フィッティング

RG.	MM	MN [mm]	
RG.5521600002	M5	Ø4	(1)
RG.5521600011	M5	Ø6	(1)
RG.5521600013	1/8	Ø6	(1)
RG.5521600014	1/4	Ø6	(1)
RG.5521600017	1/8	Ø8	(1)
RG.5521600018	1/4	Ø8	(1)



MP

Raccordo diritto intermedio / Straight connector / Verbindungsverschraubung / Raccord union double / Racor directo unión doble / Racord direito intermédio / Hortum birleştirici / 中間直線 フィッティング

RG.	MP [mm]	
RG.5504000002	Ø4	(1)
RG.5504000004	Ø6	(1)
RG.5504000009	Ø6	(1)
RG.5504000005	Ø8	(1)
RG.5504000010	Ø8	(1)

Raccordi
Fittings
Fittings Raccords
Raccords
Racordaje
Racord
Rakorlar
フィッティング



Raccordo a T intermedio / Tee connector / T-Anschluss / Raccord té / Racor en T / Racord em "T" intermédio / T bağlantı / 中間T型 フィッティング

RG.	MQ [mm]	
RG.5523000002	Ø4	(1)
RG.5523000004	Ø6	(1)
RG.5523000005	Ø8	(1)



Raccordo a Y intermedio / Y connector / Y-Anschluss / Raccord en y simple / Racor en Y / Racord em "Y" intermédio / Y bağlantı / 中間Y型 フィッティング

RG.	MR [mm]	
RG.5531000002	Ø4	(1)
RG.5531000004	Ø6	(1)
RG.5531000005	Ø8	(1)



Raccordo multiplo di riduzione / Reduction manifold / T-Mehrfachverteiler reduziert / Multi-té réduit / Racordaje / Racord / Çoklu redüksiyon / レジューサ・マニホールド

RG.	MS [mm]	
RG.5535000001	6-4	(1)
RG.5535000002	8-4	(1)
RG.5535000003	8-6	(1)



Tappo in poliamide / Plug polyamede / Verschlusszapfen Polyamid / Bouchon en polyamide / Tapón de poliamida / Tampão em poliamida / Körtapa / ナイロン・プラグ

RG.	MT [mm]	
RG.086100031X1R0	Ø4	(1)
RG.086100031X4R0	Ø6	(1)
RG.086100031X7R0	Ø8	(1)

(1)
 Confezione da 10 pezzi / 10 pieces package / 10 Stück Packung / Vendu par 10 pièces / Paquete de 10 piezas / Embalagem de 10 peças / Her paket 10 Adettir / 10個入りパック



Regolatore unidirezionale orientabile per cilindro short regolazione a cacciavite / Orienting flow regulator for cylinder (short) screwdriver regulation / Durchflussregler Abluftdrosselung (drehbar) kurz - einstellbar mit Schraubenzieher / Régulateur de débit à l'échappement, à vis noyée, filetage court (orientable) / Regulador de caudal orientable y unidireccional, con regulación mediante tornillo / Regulador unidireccional orientável por cilindro pequeno com regulação na cavidade / Hiz ayar valfli rakor / ねじ調整ショートシリンダー用一方向性流量制御器

RG.	NB	NA [mm]
RG.5590000002	M5	Ø4
RG.5590000003	1/8	Ø4
RG.5590000007	M5	Ø6
RG.5590000008	1/8	Ø6
RG.5590000010	1/8	Ø8
RG.5590000011	1/4	Ø8



Regolatore in linea unidirezionale tubo-tubo / Tube in-line needle valve (unidirectional flow) / Regler für Leitungseinbau mit Rückschlag Rohr-Rohr / Régulateur de débit en ligne, unidirectionnel / Regulador de caudal en línea, unidireccional / Regulador en línea unidireccional tubo-tubo / Hat tipi hiz ayar valfli / チューブインライン一方向性流量制御器

RG.	NC [mm]
RG.5594000001	Ø6
RG.5594000002	Ø8

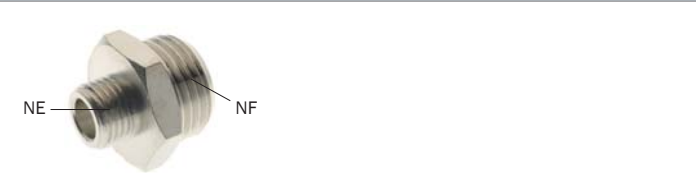


Nipple cilindrico / Nipple (parallel) / Doppelnippel zylindrisch / Nipple double, cylindrique / Niple igual cilíndrico / Casquilho duplo cilíndrico / Nipel / 円筒形ニップル

RG.	ND	
RG.020100001B5NB	M5	(1)
RG.02010000102NB	1/8	(1)
RG.02010000103NB	1/4	(1)

(1)
 Confezione da 10 pezzi / 10 pieces package / 10 Stück Packung / Vendu par 10 pièces / Paquete de 10 piezas / Embalagem de 10 peças / Her paket 10 Adettir / 10個入りパック

Raccordi
Fittings
Fittings Raccords
Raccords
Racordaje
Racord
Rakorlar
フィッティング



Nipplo di riduzione cilindrico / Reducing nipple (parallel) / Doppelnippel reduziert zylindrisch / Nipple double inégal, cylindrique / Casquilho duplo de redução cilíndrico / Reducing nipple (parallel) / Orantılı nipel / 円筒形レジュース・ニップル

RG.	NE	NF	
RG.0203000010WNB	M5	1/8	(1)
RG.020300001ATNB	1/8	1/4	(1)



Riduzione cilindrica / Reducer (parallel) / Reduzierstück zylindrisch / Réduction cylindrique / Reducción cilíndrico / Redução cilíndrico / Lüle / 円筒形レジュース

RG.	NG	NH	
RG.0205000012WNB	1/8	1/8	(1)
RG.020500001ATNB	1/8	1/4	(1)
RG.0205000016WNB	1/4	1/4	(1)



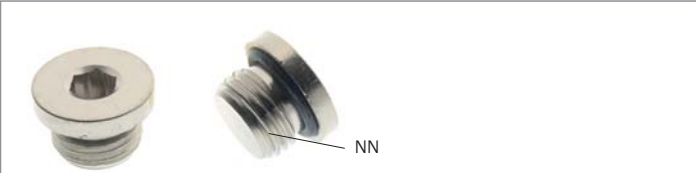
Riduzione cilindrica / Reducer (parallel) / Reduzierstück zylindrisch / Réduction cylindrique / Reducción cilíndrico / Redução cilíndrico / Redüksiyon / 円筒形レジュース

RG.	NI	NL	
RG.0209000010WNT	1/8	M5	(1)
RG.0209000015WNT	1/4	1/8	(1)



Manicotto / Sleeve / Muffe / Manchon / Manguito / Racord de passagem / Manşon / スリーブ

RG.	NM	
RG.030000001B5NB	M5	(1)
RG.03000000102NB	1/8	(1)
RG.03000000103NB	1/4	(1)



Tappo maschio cilindrico esagono incassato con O-Ring NBR / Male plug (parallel) with exagon embedded and NBR O-Ring / Gewindestopfen zylindrisch Innensechskant mit O-Ring NBR / Bouchon 6 pans creux mâle, cylindrique avec joint NBR / Tapón macho cilíndrico con hexágono interior, provisto de junta tórica en NBR / Tampão macho cilíndrico hexagonal interior com O-ring NBR / NBR O-Ring'li körtapa / Oリング NBR埋め込みの六角形雄プラグ

RG.	NN	
RG.0301500005	M5	(1)
RG.0301500001	1/8	(1)
RG.0301500002	1/4	(1)

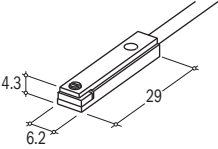


Silenziatore / Silencer / Schalldämpfer / Silencieux / Silenciador / Silenciador / Susturucu / 消音器

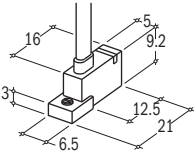
RG.	NO	
RG.0702000001	M5	(1)
RG.0702000002	1/8	(1)
RG.0702000003	1/4	(1)

(1)
Confezione da 10 pezzi / 10 pieces package / 10 Stück Packung / Vendu par 10 pièces / Paquete de 10 piezas / Embalagem de 10 peças / Her paket 10 Adettir / 10個入りパック

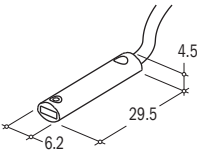
Sensori magnetici per cave a “T”
 Magnetic sensors for “T” slot
 Magnetische sensoren für “T” nuten
 Capteur magnétique pour rainures à “T”
 Sensores magnéticos para ranuras en forma de “T”
 Sensor magnético para ranhuras em “T”
 Manyetik sensör T slot
 T型スロット用磁気センサー



SL-G			m [g]
SL3N203-G	PNP	M8 connector	5
SL4N225-G	PNP	2.5m cable	23
SL3M203-G	NPN	M8 connector	5
SL4M225-G	NPN	2.5m cable	23

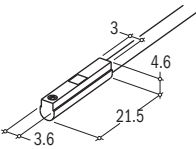


SC-Y			m [g]
SC3N203Y	PNP	M8 connector	5
SC4N225Y	PNP	2.5m cable	23

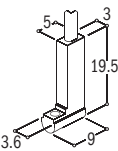


SA-G			m [g]
SA3N203-G	PNP	M8 connector	4
SA4N225-G	PNP	2.5m cable	22
SA3M203-G	NPN	M8 connector	4
SA4M225-G	NPN	2.5m cable	22

Sensori magnetici per cave a “C”
 Magnetic sensors for “C” slot
 Magnetische sensoren für “C” nuten
 Capteur magnétique pour rainures à “C”
 Sensores magnéticos para ranuras en forma de “C”
 Sensor magnético para ranhuras em “C”
 Manyetik sensör C slot
 C型スロット用磁気センサー



SS-G			m [g]
SS3N203-G	PNP	M8 connector	4
SS4N225-G	PNP	2.5m cable	22
SS3M203-G	NPN	M8 connector	4
SS4M225-G	NPN	2.5m cable	22



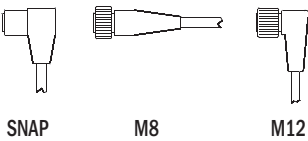
SN-G			m [g]
SN3N203-G	PNP	M8 connector	4
SN4N225-G	PNP	2.5m cable	22
SN3M203-G	NPN	M8 connector	4
SN4M225-G	NPN	2.5m cable	22

Accessori per sensori magnetici
Magnetic sensors accessories
Zubehör magnetische sensoren
Accessoires pour capteur magnétique
Accesorios para sensores magnéticos
Acessórios para sensor magnético
Manyetik sensör aksesuarları
磁気センサー付属品



Adattatori per cave / Slot adapters / Passstücke für nuten / Adaptateurs pour rainures
/ Adaptadores para ranuras / Adaptadores para ranhuras / Slot adaptörleri /
スロットアダプター

K	m [g]
K-SENS	1
K-CB	8
K-SL	5
SWP-014	2
SWP-020	2
SWP-030	2
SWP-050	2



Connettore / Connector / Steckverbinder / Connecteurs / Conector / Conectores /
Bağlantı /
コネクタ

CF	m [g]
CFSM890225	SNAP 50
CFSM890325	SNAP 50
CFGM800225	M8 53
CFGM800325	M8 53
CFGM1290225	M12 57
CFGM1290325	M12 57

Sensori induttivi
Inductive sensors
Induktive Sensoren
Capteurs inductifs
Sensores inductivos
Sensores indutivos
İndüktif sensör
誘導センサー



SI			m [g]
SI4M225-G	NPN	2.5m cable	20
SI4N225-G	PNP	2.5m cable	20

Sensori ultrasonici
Ultrasonic sensors
Ultraschallsensoren
Capteurs ultrasonores
Sensor ultrasónico
Sensores ultrasónicos
Ultrasonik sensör
超音波センサー



SU			m [g]
NEW			
SU9M2-G	NPN	M12 connector, 24 Vdc	15
SU9N2-G	PNP	M12 connector, 24 Vdc	15

Sensori d'urto
Shock sensors
Schocksensoren
Détecteur de choc
Sensores de golpes
Detetor de choque
Şok sensörler
ショックセンサー

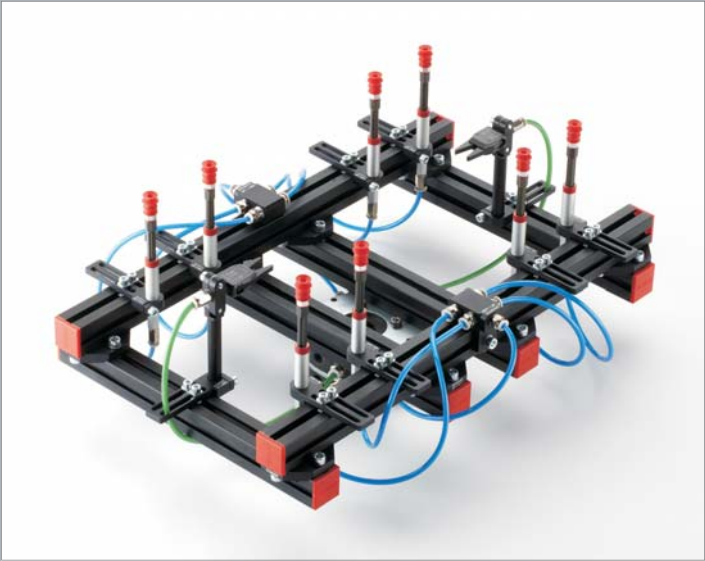
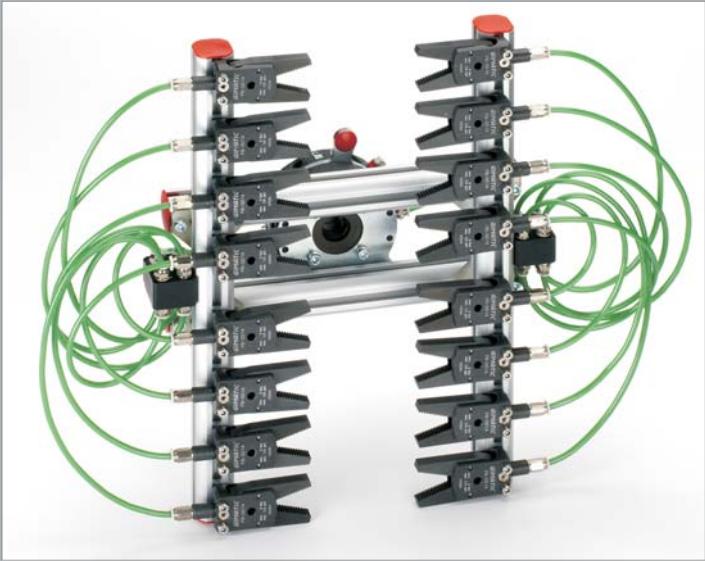


SG			m [g]
SG3A2-G			17
SG3N2-G			17
SG3M2-G			17

Tester multi-sensore
Multi-sensor tester
Prüfgerät multi-sensor
Testeur multi détecteurs
Téster multisensor
Testador multi detetores
Sensör test cihazı
マルチセンサー・テスター



SB2T			m [g]
			1400



F [N]	Forza	Force	Kraft	Force	Fuerza	Força	Kuvvet	力
C [Ncm]	Coppia	Torque	Drehmoment	Couple	Par	Binário	Tork	トルク
s [mm]	Corsa	Stroke	Hub	Course	Carrera	Curso	Strok	ストローク
m [g]	Peso	Weight	Gewicht	Poids	Peso	Peso	Ağırlık	重量

Tutte le forze e le coppie sono riferite ad una pressione di 6 bar. Le forze, o le coppie, delle pinze sono totali.

All forces and torques are related to a pressure of 6 bar. The forces, or the torques, of the grippers are total values.

Alle Kräfte und Drehmomente beziehen sich auf einen Druck von 6 bar. Die Kräfte oder die Drehmomente der Greifer sind Gesamtwerte.

Les données relatives à la force et au couple sont rapportées à la pression de 6 bars. Les forces, ou les couples, des pinces de préhension sont totales.

Todas las fuerzas y los pares se refieren a una presión de 6 bar. Las fuerzas o los pares de las pinzas son totales.

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Todas as forças e binários fazem referência à pressão de 6 bar. As forças, ou os binários, das pinças são valores totais.

Bütün kuvvet ve Tork değerleri 6 bar basınç ile geçerlidir. Kuvvet veya Tork tutucular için toplam değerdir.

全ての力とトルクは、6 バールに関する値である。グリッパの力とトルクは、合計の値である。

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L'offerta Gimatic, oltre ai prodotti della sezione **PLASTICS** mostrati in questa brochure, comprende una sezione **HANDLING** dedicata ai componenti per la manipolazione generale, una sezione **SENSORS** dedicata ai sensori per l'automazione ed una sezione **MECHATRONICS** dedicata agli attuatori elettrici.



Visit our website: you will have access to all the necessary tools with real-time updates on the latest news, prices and sales network.

In addition to the products of the **PLASTICS** section shown in this brochure, the Gimatic offer includes a **HANDLING** section concerning pneumatic components for general handling applications and a **SENSORS** section dedicated to sensors for automation and a **MECHATRONICS** section dedicated to electric actuators.



Visitez notre site et vous aurez à disposition tous les instruments nécessaires avec toutes les mises à jour, en temps réel, sur les dernières nouveautés du produit, ainsi que la liste des prix et le réseau de vente.

L'offre Gimatic, en dehors des produits de la section **PLASTICS** montrés dans cette brochure, comprend une section **HANDLING**, dédiée aux composants pour la manipulation générale, une section **SENSORS**, dédiée aux capteurs pour l'automatisation, et une section **MECHATRONICS**, dédiée aux actionneurs électriques.



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La oferta Gimatic, además de los productos de la sección **PLASTICS** indicados en este folleto, incluye una sección **HANDLING** dedicada a los componentes para la manipulación en general, una sección **SENSORS** dedicada a los sensores para la automatización y una sección **MECHATRONICS** dedicada a los actuadores eléctricos.



Visite o nosso site e terá ao seu dispor todos os instrumentos necessários de atualização, em tempo real, para as últimas novidades dos produtos, assim como a lista de preços e a rede de vendas.

A oferta Gimatic, para além dos produtos da secção **PLASTICS** ilustrados no presente folheto, inclui uma secção **HANDLING**, dedicada aos componentes para a manipulação geral, uma secção **SENSORS**, dedicada aos sensores para a automatização e uma secção **MECHATRONICS** dedicada aos atuadores elétricos.



Ürünlerimiz ve satış ağımla ilgili en güncel bilgiye ulaşmak, yeni ürünlerimizden haberdar olmak için internet sitemizi ziyaret edin.

Bu broşürde tanıtılan "Plastik" bölümüne ek olarak, genel taşıma uygulamaları için pnömatik ürünleri içeren "Taşıma Üniteleri" otomasyonda kullanılan "Sensör" bölümünü ve elektrikli iş ünitelerini de Gimatic'in ürün gamı içerisinde bulacaksınız.



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H A N D L I N G



P L A S T I C S



S E N S O R S



M E C H A T R O N I C S



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