

Attuatori serie MTB 55

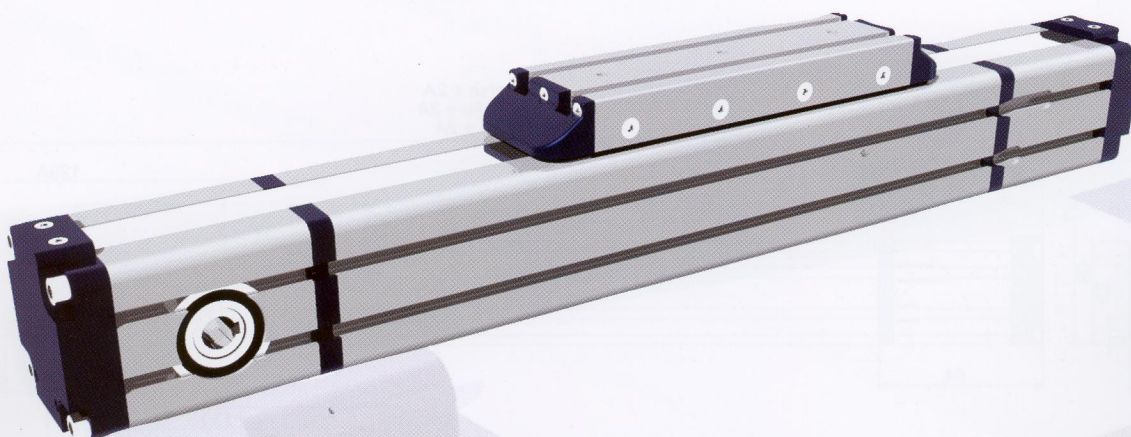
Dati tecnici

Belt driven units MTB 55 series

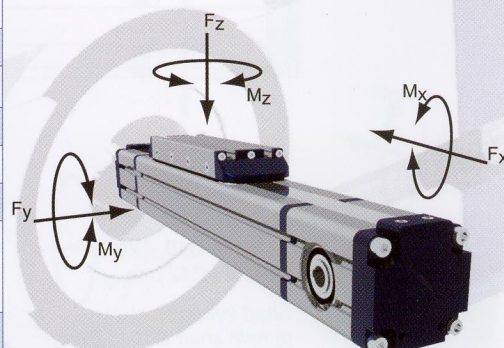
Technical data

Linearantrieb Baureihe MTB 55

Technische Daten



Taglia - Size - Baugröße		mm	55x55
Velocità max - Max. speed - Max. Geschwindigkeit		m/s	3
Corso max - Max. stroke length - Max. Hub		mm	6000*
Corso min - Min. stroke length - Min. Hub		mm	100
Corso/giro puleggia - Pulley drive ratio - Hub pro Umdrehung		mm	120
nr. denti puleggia - Number of teeth of pulley - Zähne der Riemenscheibe			24
Profilo cinghia AT 5 larghezza 16 mm Belt profile AT 5, width 16 mm AT5-Profil Riemen 16 mm Breite			
Max nr. di giri in ingresso - Max rpm - Max. Drehzahl der Antriebswelle		g/min	2500
Peso corsa 0 mm - Base weight - Gewicht bei 0mm Hub		Kg	4,4
Peso corsa 100 mm - Add for 100 mm of stroke - Gewicht bei 100mm Hub		Kg	0,34
Carico max* - Max. load* - Max. Belastung	Fx	N	820
	Fy	N	1850
	Fz	N	1850
Momenti max* - Moments* - Max. Belastungsmoment*	Mx	Nm	25
	My	Nm	120
	Mz	Nm	120
Momento d'inerzia profilo - Inertia moment Aluminum profile Flächenträgheitsmoment	Ix	cm ⁴	36
	Iy	cm ⁴	45
Ripetibilità - Repeatability - Wiederholgenauigkeit		mm	± 0,05
Carico assiale max all'albero motore - Max. radial load on input shaft - Max. axiale Lasten an der Antriebswelle		N	25
Coppia resistente - No load torque - Leerlaufmoment		Nm	1



* Valori massimi in condizioni dinamiche. In presenza di carichi combinati riferirsi alla formula per la verifica dei carichi massimi da applicare.

*Max values for dynamic conditions. Please refer to the following formula when combined loads are applied.

*Für die Ermittlung der maximalen dynamischen Tragzahlen bei kombinierten Kraftangriffspunkten, nutzen Sie bitte die nebenstehende Berechnungsformel.

$$\frac{F_{yA}}{F_y} + \frac{F_{zA}}{F_z} + \frac{M_{xA}}{M_x} + \frac{M_{yA}}{M_y} + \frac{M_{zA}}{M_z} \leq 1$$

La lettera A indica i valori complessivi calcolati
The A letters show the calculated value.
Der A Parameter entspricht dem errechneten Wert.

Attuatori serie MTB 55

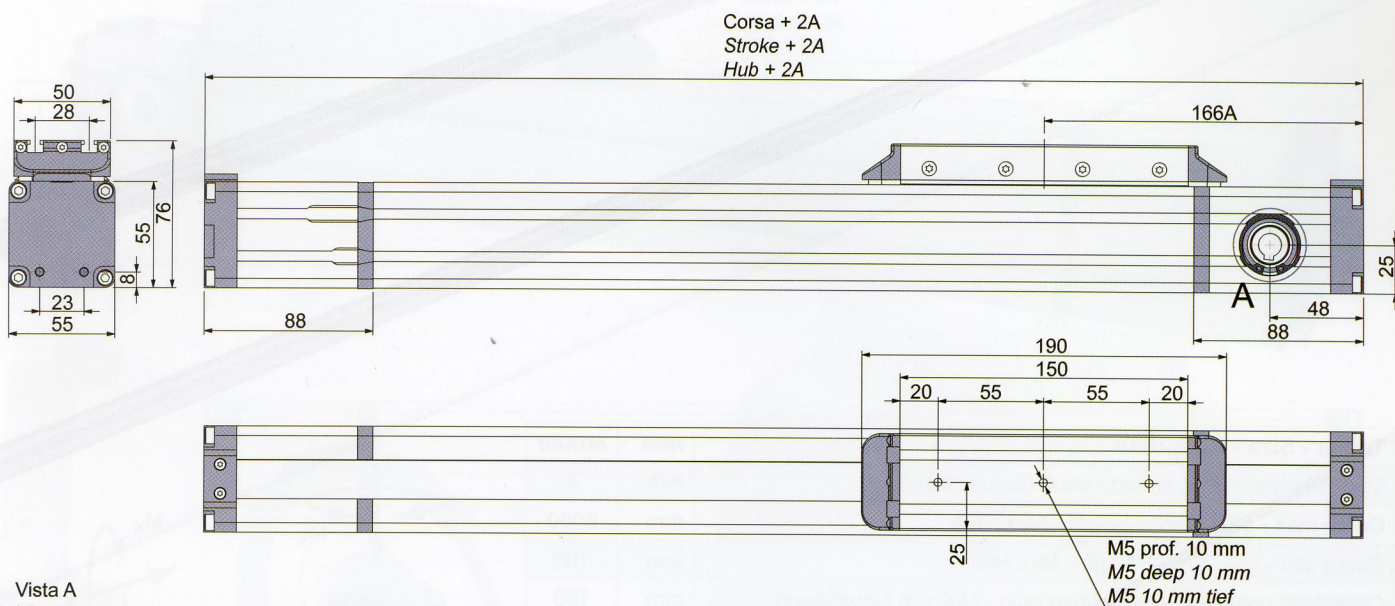
Dimensioni

Belt driven units MTB 55 series

Dimension

Linearantrieb Baureihe MTB 55

Abmessungen



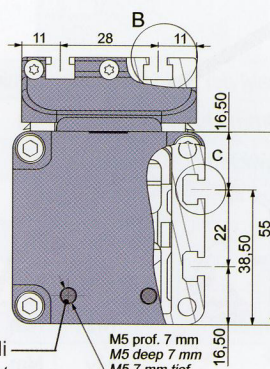
Vista A
View A
Ansicht A



versioni albero:
femmina $\varnothing 12 - 14$ mm
maschio $\varnothing 16$ mm

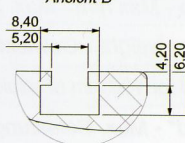
Shaft versions:
female shaft $\varnothing 12 - 14$ mm
male shaft $\varnothing 16$ mm

Wellenversion:
Holhwelle $\varnothing 12 - 14$ mm
Welle $\varnothing 16$ mm

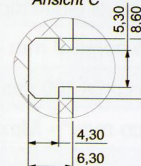


M5 prof. 7 mm
M5 deep 7 mm
M5 7 mm tief

vista B
view B
Ansicht B



vista C
view C
Ansicht C



da utilizzare solo combinati con i fissaggi laterali
to use only combined with mid section support
nur zu benutzen mit Befestigungen Mittel Stütze

Attuatori lineari serie MTB

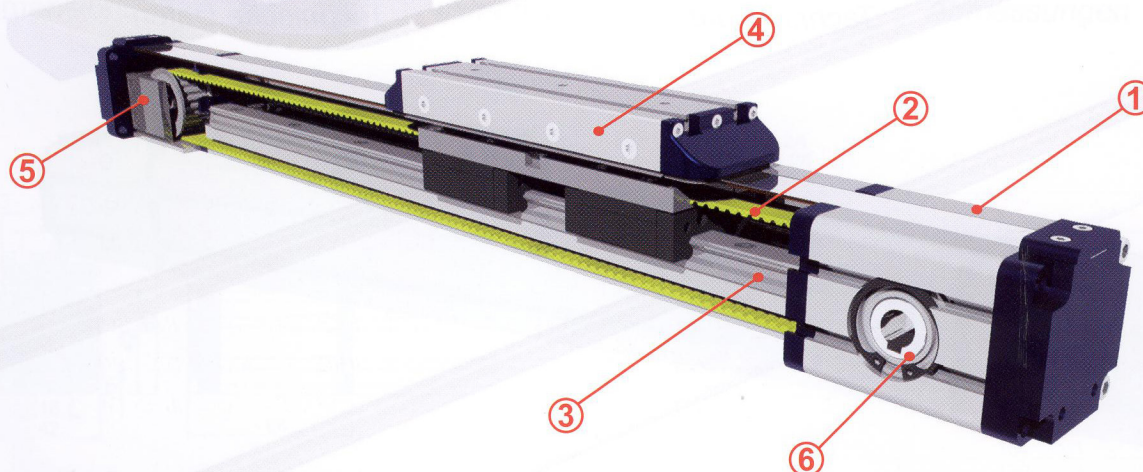
Descrizione generale

Belt driven units MTB series

General Description

Linearantrieb Baureihe MTB

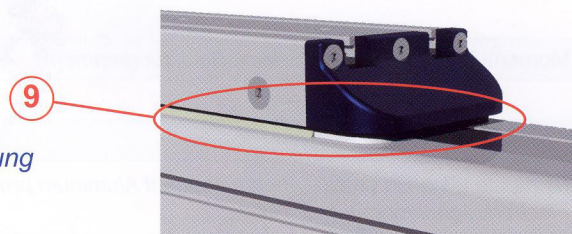
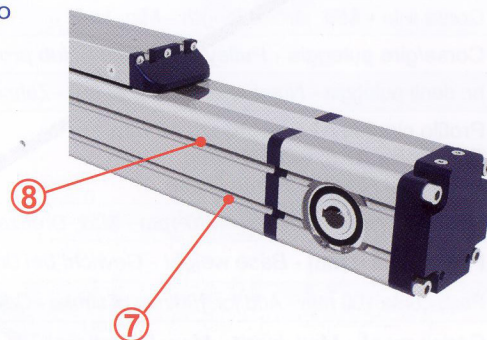
Übersicht



1. profilo autoportante in alluminio lega 6060 anodizzato
2. cinghia in poliuretano rinforzata con trefoli in acciaio profilo AT
3. guida profilata a ricircolo di sfere, diverse grandezze a secondo della taglia attuttore
4. carrello in alluminio lega 6060 anodizzato con cave a T per fissaggio e protezioni laterali
5. sistema di tensionamento cinghia integrato
6. attacco motore disponibile in due versioni: albero cavo femmina o maschio
7. cave per attacco fissaggio asse
8. cave per attacco sensore di posizione
9. protezione carrello contro impurità

1. body in extruded aluminium alloy 6060 anodized
2. teeth belt with steel reinforced polyurethane AT
3. ball rail system
4. carriage in aluminium anodized with T slot
5. belt tensioning system
6. motor mount assembly available in two different version
7. T slot for actuator fixing
8. T slot for proximity switch
9. sealed against pollution

1. Selbsttragenden Profil aus eloxierter 6060 Aluminiumlegierung
2. Stahlverstärkten Polyurethan-Riemen mit AT Zahnprofil
3. Kugelumlauführung
4. Schlitten mit T-Nuten für die Befestigung und den Seitenschutz
5. Integriertes Zahnriemenstraffensystem
6. Antriebswelle verfügbar in 2 Versionen
7. Nuten für die Befestigung der Einheit.
8. Nuten für die Befestigung des Sensors
9. Dichtsystem für den Schlittenschutz gegen Staub.



M T B 5 5 0 7 0 0 F 2

Serie - Series - Baureihe

MTB

Taglia - Size - Baugöße

42	42 x 42
55	55 x 55
80	80 x 80

Corsa - Stroke - Hub

Corsa in mm Stroke in mm Hub in mm	0000
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Versione albero - Shaft version - Wellenversion

taglia size Baugöße	Tipo Type Typ	Ø	cod. part nr. ident nr.
42	femmina - female Hollwelle	10	F 0
	maschio - male - Welle	12	F 2
55	femmina - female Hollwelle	12	F 2
	maschio - male - Welle	14	F 4
80	femmina - female Hollwelle	16	M 6
	maschio - male - Welle	19	M 9

M T F 4 2 D H 0 7 0 0 F 2

Serie - Series - Baureihe

MTF

Taglia - Size - Baugöße

42	42 x 75
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Version - Version - Versionen

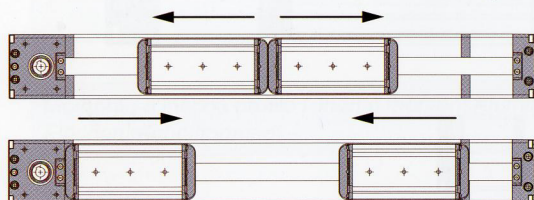
-	singolo carrello single carriage eine Laufwagen
D*	doppio carrello double carriage zwei Laufwagen

Versione albero - Shaft version - Wellenversion

taglia size Baugöße	Tipo Type Typ	Ø	cod. part nr. ident nr.
42x75	femmina - female Hollwelle	12	F 2
	maschio - male - Welle	14	F 4
		16	M 6

Corsa - Stroke - Hub

Corsa in mm Stroke in mm Hub in mm	0000
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D* Movimento contrapposto bidirezionale

D* Bi-directional opposed movement

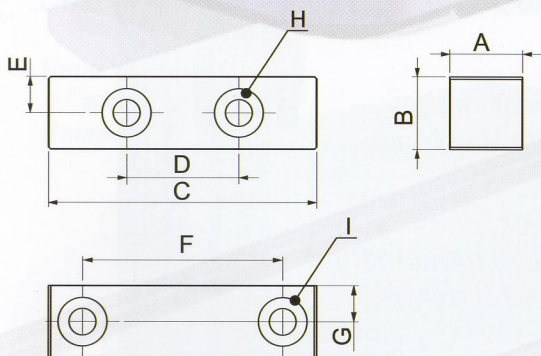
D* Bi- direktionale Ausführungs gegenläufige bewegungen

Pattini guida - Runner block - Führungswagen

H	singolo carrello single runner block ein Führungswagen
L	doppio carrello movimento contrapposto double carriage opposite movement Zwei Führungswagen

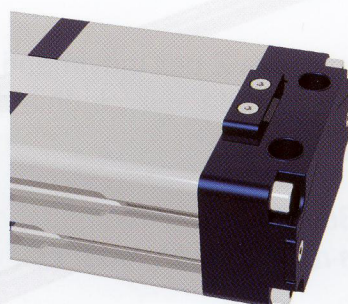
Attuatori lineari serie MTB - MTF

Fissaggio testata



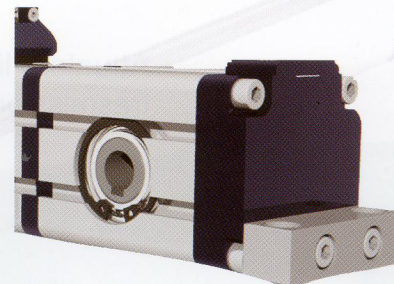
Belt driven units MTB - MTF series

End cap mounting



Linearantrieb Baureihe MTB - MTF

Deckel-Befestigung

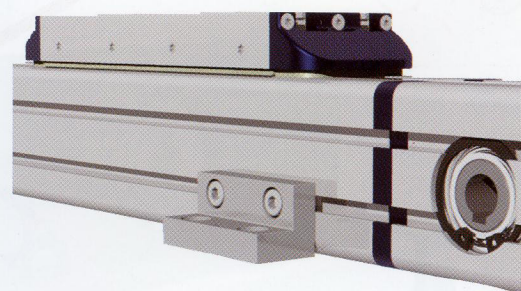
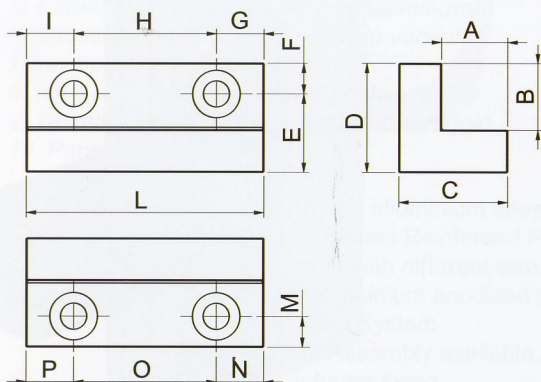


	codice part nr. ident nr.	A	B	C	D	E	F	G	H*	I*
MTB 42	A0AA001	14	14	42	16	7	30	7	M4	M4
MTB 55	A1AA001	15	15	55	23	7,5	41	7,5	M5	M5
MTB 80	A2AA001	16	16	80	40	8	64	8	M6	M6
MTF 42	integrati nelle testate - integrated in the end caps - in den Einheitköpfe integriert									

Fissaggio laterale

Mid section mounting

Profil-Befestigung



	codice part nr. ident nr.	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q*	R*
MTB 42	A0AA002	12	12	17	17	11	6	7,5	25	7,5	40	6,5	7,5	25	7,5	M4	M4
MTB 55	A1AA002	14	14	23	23	16,5	6,5	10	30	10	50	6,5	10	30	10	M5	M5
MTB 80	A2AA002	19	19	32	32	22	10	10	40	10	60	8	10	40	10	M8	M8
MTF 42	A4AA002	12	12	20	20	13	7	10	30	10	50	6	10	30	10	M5	M5

* Lamatura vite DIN 912

* Spot facing screw DIN 912

* Plansenken Oberfläche DIN 912

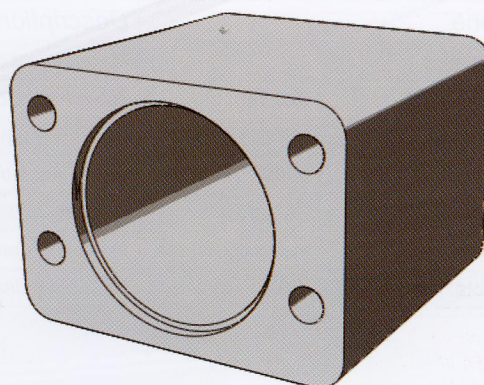
Accessori

Accessories

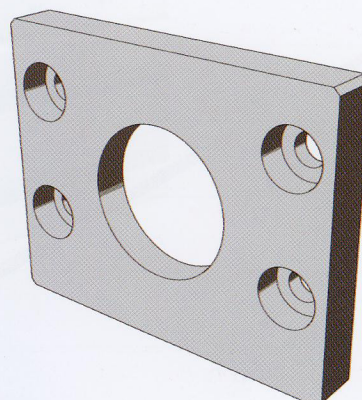
Zubehör

Su richiesta sono disponibili inoltre
available on request
verfügbar auf Anfrage

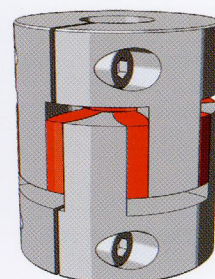
Campana motore
Coupling housing
Kupplungsgehäuse



Flange motore
Flange motor
Motorflansch



Giunto motore
Motor coupling
Motorkupplung



Albero motore
Motor shaft
Antriebswelle

