

**Belt driven guided linear unit**

Linearantrieb mit Zahnriemen und integrierter Kugelumlaufführung  
 Attuatori lineari a cinghia e guida a ricircolo di sfere

TECHNICAL DATA   TECHNISCHE DATEN   DATI TECNICI			
Size - Baugröße - Taglia			80x80
Max. speed - Max. Geschwindigkeit - Velocità max	m/s		2
Max. stroke length - Max. Hub - Corsa max	mm		1500
Min. stroke length - Min. Hub - Corsa min	mm		100
Pulley drive ratio - Hub pro Umdrehung - Corsa/giro puleggia	mm		192
Number of teeth of pulley - Zähne der Riemenscheibe - nr. denti puleggia			24
Teeth belt with Steel Reinforced Polyurethane HTD8 profile clearance 0, width 30 mm HTD8 Profil Riemen 30 mm Breite 8mm Achsabstand Tipo di cinghia profilo HTD8 passo 8 larghezza 30 mm			
Max rpm - Max. Drehzahl der Antriebswelle - Max nr. di giri in ingresso	rpm		900
Base weight - Gewicht bei 0mm Hub - Peso corsa 0 mm	Kg		15
Add for 100 mm of stroke - Gewicht bei 100mm Hub - Peso corsa 100 mm	Kg		1,55
Max. load* - Max. Belastung - Carico max*	Fx	N	2500
	Fy	N	4500
	Fz	N	4500
Moments* - Max. Belastungsmoment* - Momenti max*	Mx	Nm	620
	My	Nm	980
	Mz	Nm	980
Inertia moment Aluminum profile - Flächenträgheitsmoment - Momento d'inerzia profilo	Ix	cm4	183
	Iy	cm4	226
Repeatability - Wiederholgenauigkeit - Ripetibilità	mm		± 0,05
Max. radial load on input shaft - Max. axiallylasten an der Antriebswelle Carico assiale max all'albero motore		N	300
	No load torque - Leerlaufmoment - Coppia resistente		Nm

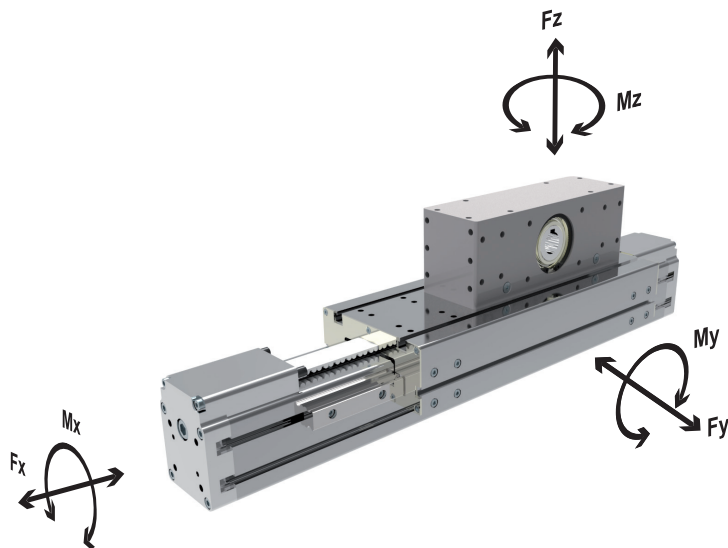
\* Max values for dynamic conditions. Please refer to the following formula when combined loads are applied.

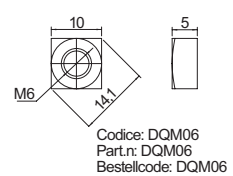
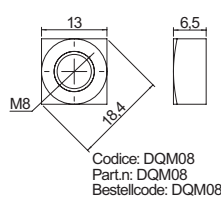
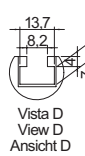
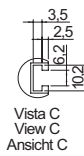
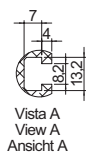
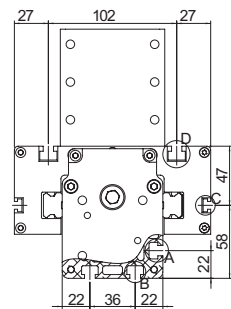
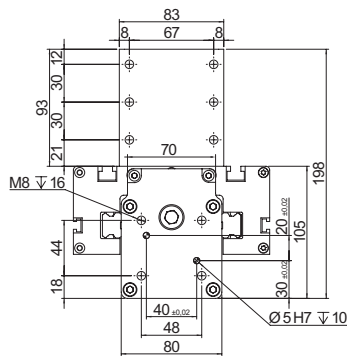
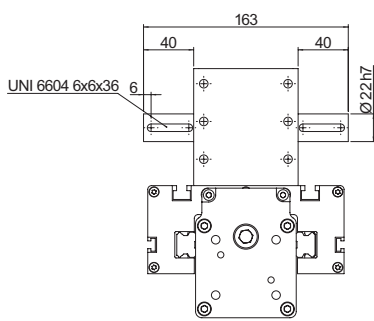
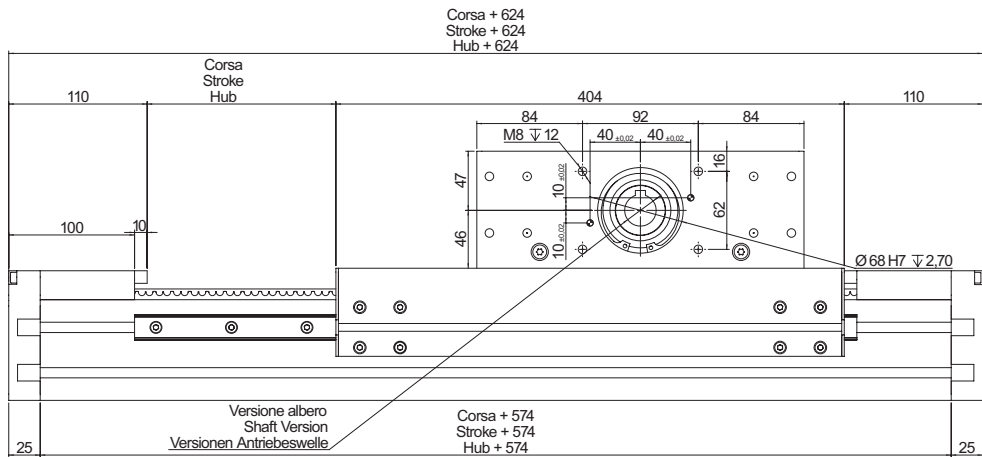
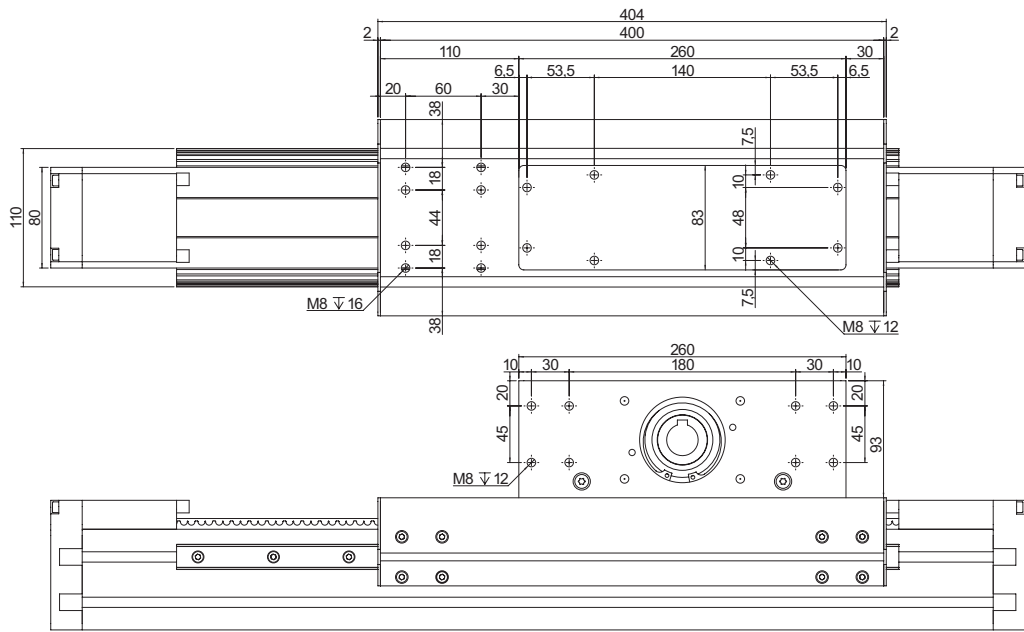
\* Für die Ermittlung der maximalen dynamischen Tragzahlen bei kombinierten Kraftangriffspunkten, nutzen Sie bitte die nebenstehende Berechnungsformel.

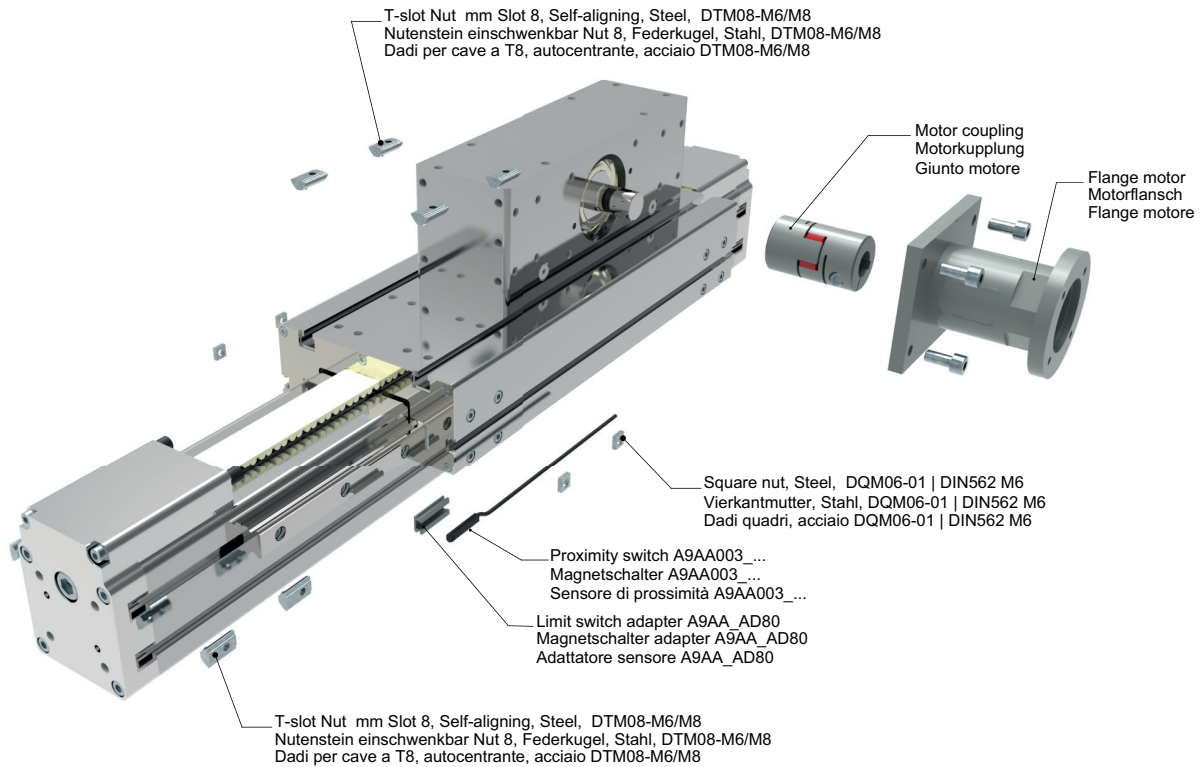
\* Valori massimi in condizioni dinamiche. In presenza di carichi combinati riferirsi alla formula per la verifica dei carichi massimi da applicare.

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

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







**ORDERING INFORMATION** | *Bestallangaben Baureihe* | *Codici per l'ordinazione*

<sup>1</sup>Proximity switch A9AA003\_... | <sup>1</sup>Magnetschalter A9AA003\_... | <sup>1</sup>Sensore di prossimità A9AA003\_...

Part nr.   Ident nr.   Cod.	Cable   Kabel   Cavo	Output   Ausgangsfunktion   Uscita
A9AA003_01	with 2 mt cable   mit 2 mt kabel   con cavo 2 mt	PNP
A9AA003_02	with 2 mt cable   mit 2 mt kabel   con cavo 2 mt	NPN
A9AA003_03	200 mm with M8 plug in   mit 200 mm kabel und M8 stecker   200 mm conn. M8	PNP
A9AA003_04	200 mm with M8 plug in   mit 200 mm kabel und M8 stecker   200 mm conn. M8	NPN
A9AA003_NC	with 2 mt cable   mit 2 mt kabel   con cavo 2 mt	NC

**MTZ80 - 0900 - F25**

**Series and size 80x80**  
Serie und BaugöÙe 80x80  
Serie e taglia 80x80

**Stroke mm**  
Hub mm  
Corsa mm

**Shaft** | Versionen Antriebeswelle | Versione Albero

F25: Female shaft Ø16 mm with keyshaft  
Hohlwelle mit Ø16 mm und Passfeder  
Albero femmina Ø16 mm con chiavetta

M25L: Male shaft Ø25 mm mount left  
Außenwelle mit Ø25 mm und Wellenposition rechts  
Albero maschio uscita Ø25 mm lato sinistro

M25R: Male shaft Ø25 mm mount right  
Außenwelle mit Ø25 mm und Wellenposition links  
Albero maschio uscita Ø25 mm lato destro

