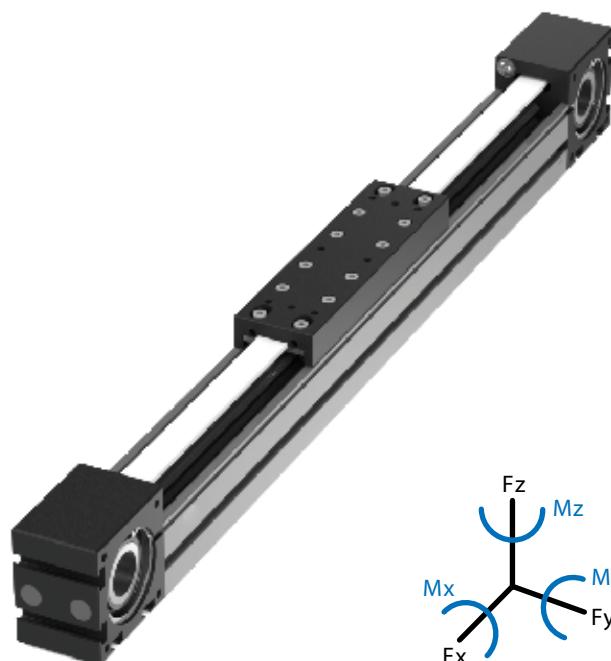


**MODELLO / MODEL**  
**AMC045LM**

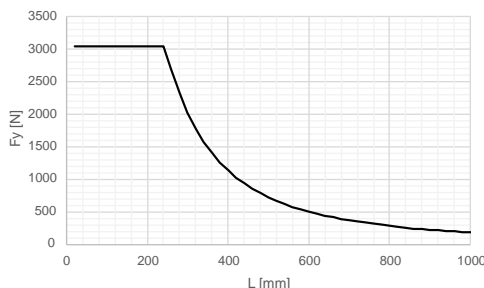
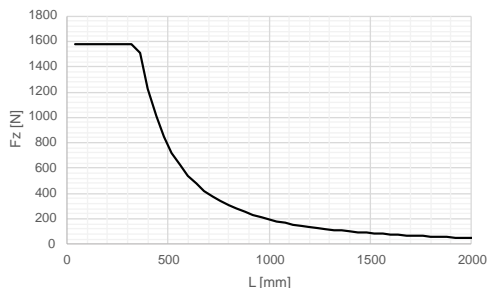
**INFORMAZIONI TECNICHE / TECHNICAL INFORMATION**

Massa base unità (corsa zero) <i>Unit's base mass (zero stroke)</i>	[Kg]	1,68
Massa lineare unità <i>Unit's linear mass</i>	[Kg/100mm]	0,35
Massa carro <i>Carriage's mass</i>	[Kg]	0,52
Velocità massima* <i>Maximum velocity</i>	[m/s]	4
Ripetibilità a vuoto <i>Unloaded repeatability</i>	[mm]	0,1
Sviluppo puleggia <i>Pulley's circumference</i>	[mm/giro]	125
Taglia cinghia <i>Belt's size</i>	[-]	16 AT 5
Forza massima di trazione sulla cinghia* <i>Maximum traction force on belt</i>	[N]	360
Momento principale d'inerzia Y <i>Principal moment of inertia Y</i>	[cm <sup>4</sup> ]	20
Momento principale d'inerzia Z <i>Principal moment of inertia Z</i>	[cm <sup>4</sup> ]	18

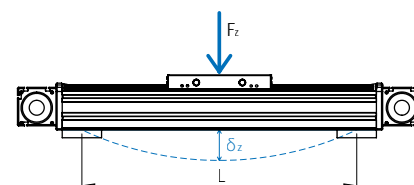
\* I valori sono da considerarsi indicativi.  
Prestazioni superiori sono possibili e vanno verificate col nostro ufficio tecnico.  
*Values should be considered as an indication.  
Higher performance are possible. Please contact our technical department.*



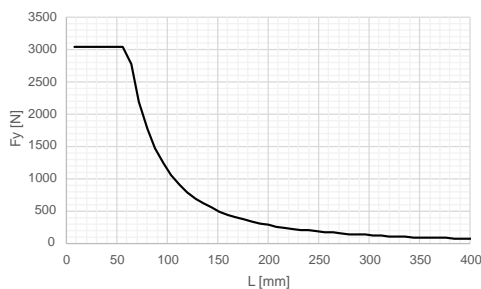
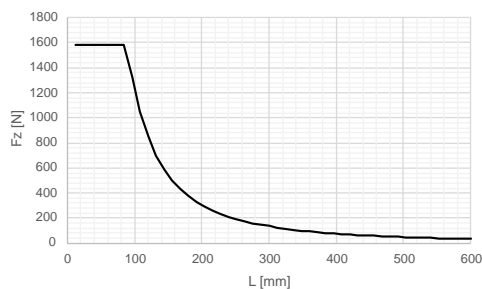
**CARICO MASSIMO AMMISSIBILE / MAXIMUM PERMISSIBLE LOAD**



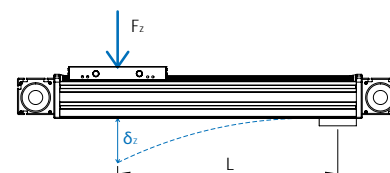
Sono rappresentati i carichi massimi applicabili in condizioni isostatiche, in appoggio, con vincolo torsionale semplice e carico in mezzeria.  
*Maximum load in isostatic condition centrally loaded.*



**CARICO MASSIMO AMMISSIBILE / MAXIMUM PERMISSIBLE LOAD**

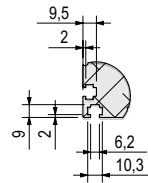
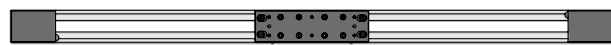
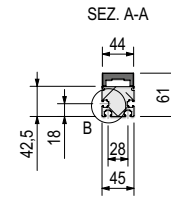
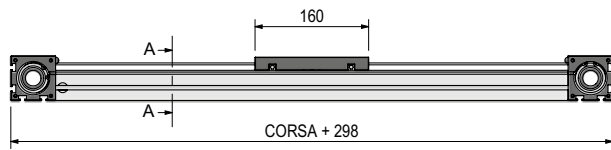


Sono rappresentati i carichi massimi applicabili in condizioni isostatiche, con vincolo rigido e carico all'estremità.  
*Maximum load in an isostatic cantilever loaded condition.*

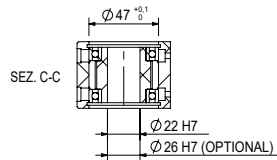
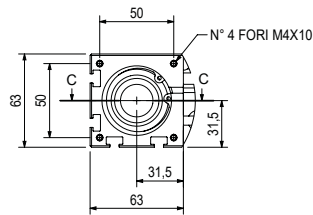
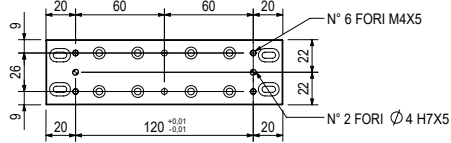


Si raccomanda di non superare i limiti dei grafici per non avere malfunzionamento dell'unità, peggioramento delle prestazioni o eccessiva usura.  
*We recommend not to exceed the maximum values to avoid lower performance, a reduced reliability and a big wear of the components.*

**DIMENSIONI / DIMENSIONS**



DET. B  
SCALA 1 : 5

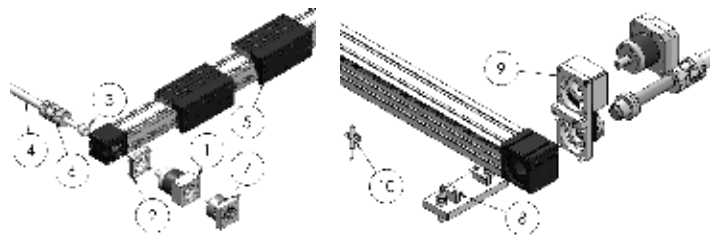


**Tipologia interfaccia riduttore** (2) (9)  
**Gearbox interface type**  
Kit IF20

Configurazioni puleggia  
Pulley configurations

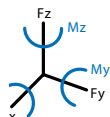
Accessori Accessories	Cinghia Belt	Vite Ball screw	Crema- glieria Rack and pinion
① Riduttore Gearbox	x	x	x
② Kit assiale Axial kit	x	x	x
③ Calettatore Keyless Locking Device	x		x
④ Albero di torsione Torsion shaft	x		x
⑤ Carro aggiuntivo Additional carriage	x		x
⑥ Giunto elastico Elastic coupling	x		
⑦ Freno stazionamento Standing brake	x		
⑧ Elemento fissaggio/tassello Fastening/plug	x	x	x
⑨ Kit rinvio Transfer box	x	x	
⑩ Supporto sensore/Camma Sensor bracket/Cam	x	x	x

Le Unità Damo sono disponibili con una vasta gamma di accessori e optional specifici concepiti per facilitare la realizzazione e installazione di sistemi monoasse e multiasse.  
All Units are available with a wide range of accessories and specific options designed to simplify the construction and installation of single-axis and multi-axis systems.



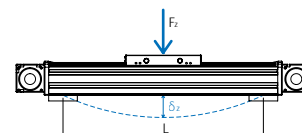
L'ufficio tecnico è a disposizione per la valutazione di applicazioni speciali e per analisi approfondite.  
The technical department is available for the evaluation of special applications and for detailed analysis.

**MODELLO / MODEL**  
**AMC045LM**

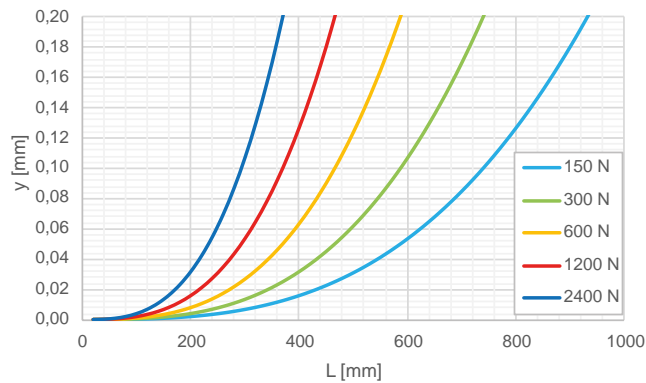
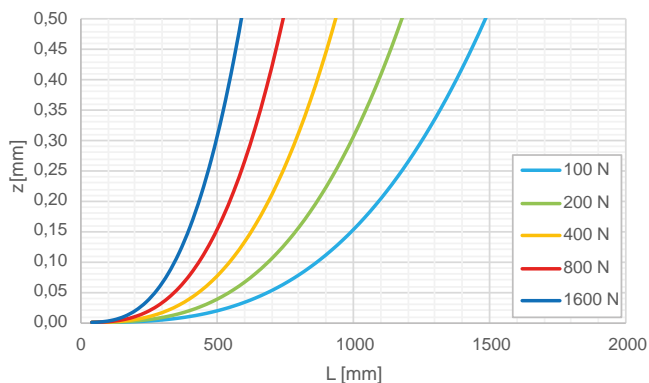


Sono rappresentate le deformazioni massime in condizioni isostatiche, in appoggio, con vincolo torsionale semplice e carico in mezzzeria. La deformazione effettiva dipende dalle condizioni di vincolo e dalla combinazione di carico.

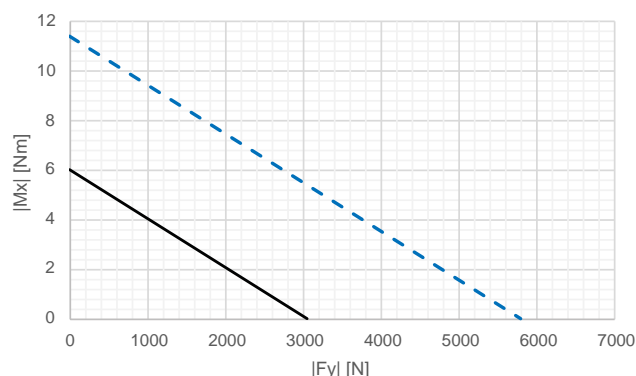
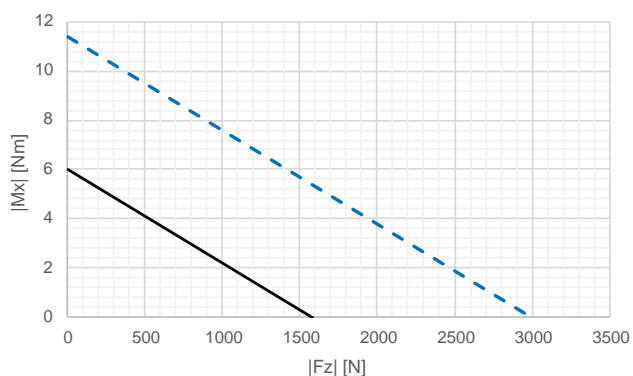
*Maximum deflection in isostatic condition centrally loaded. Actual strain depends on constraint condition and load combination.*



**DEFORMAZIONE ELASTICA / ELASTIC DEFORMATION**



**LIMITI STRUTTURALI / STRUCTURAL LIMITS**

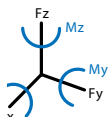


— Limite rottura a fatica: vita stimata superiore ai  $10 \times 10^6$  cicli col 99% probabilità. I grafici non possono essere combinati e valgono per:  $|M_x| \leq 0.1 |M_y|$  e  $|M_x| \leq 0.1 |M_z|$ .  
*Fatigue limit: estimated lifetime higher than  $10 \times 10^6$  cycles with 99% probability. Charts cannot be combined and are valid for:  $|M_x| \leq 0.1 |M_y|$  and  $|M_x| \leq 0.1 |M_z|$ .*

--- Arresto d'emergenza max 100 volte nel corso della vita del prodotto.  
*Emergency stop max 100 times during service life.*

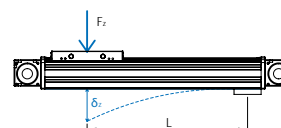
Per casi di sollecitazione composta si faccia riferimento all'ufficio tecnico.  
*In case of combined stress contact our technical department.*

**MODELLO / MODEL**  
**AMC045LM**

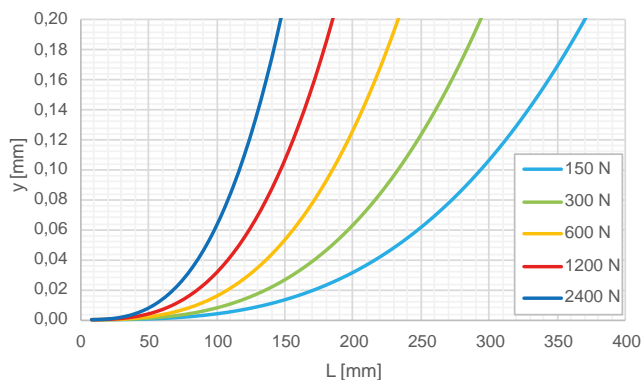
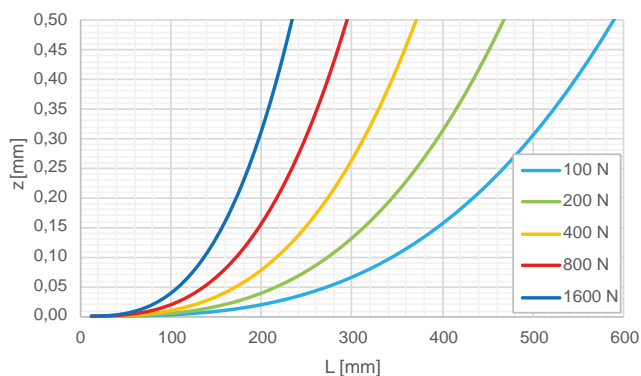


Sono rappresentate le deformazioni massime in condizioni isostatiche, con vincolo rigido e carico all'estremità. La deformazione effettiva dipende dalle condizioni di vincolo e dalla combinazione di carico.

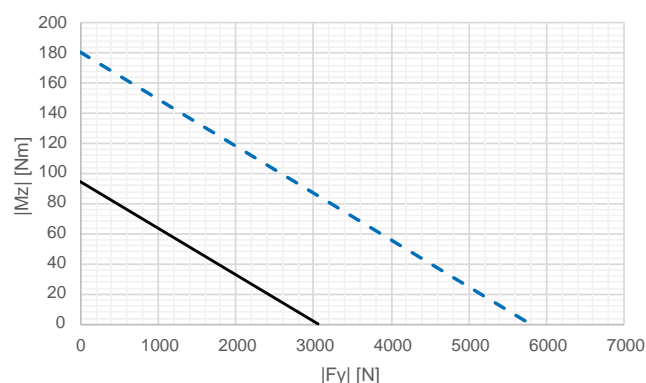
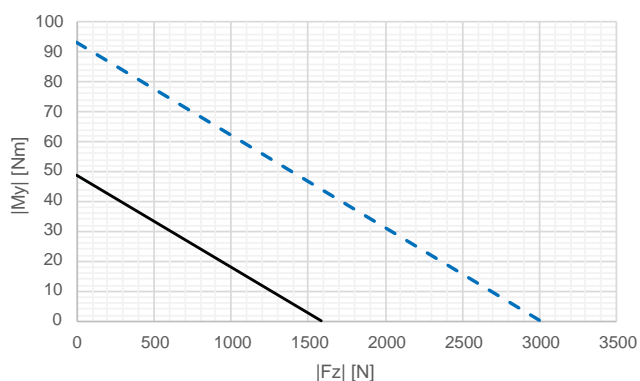
Maximum deflection in an isostatic cantilever loaded condition. Actual strain depends on constraint condition and load combination.



**DEFORMAZIONE ELASTICA / ELASTIC DEFORMATION**



**LIMITI STRUTTURALI / STRUCTURAL LIMITS**



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