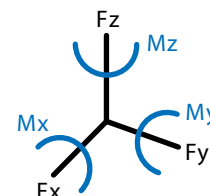
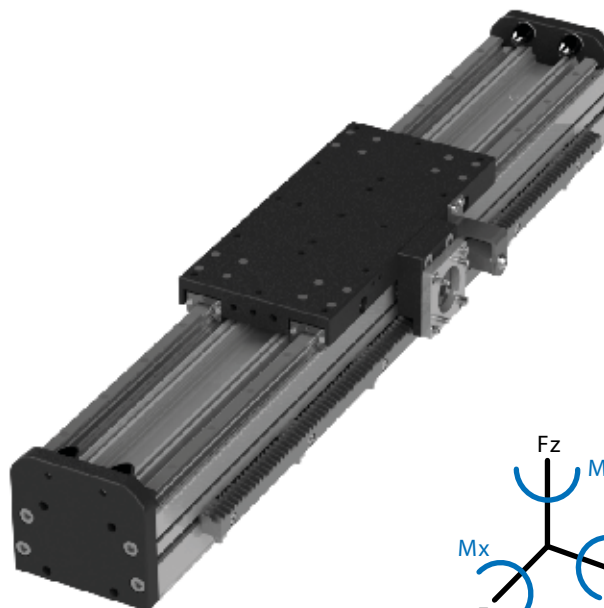


**MODELLO / MODEL**  
**AMR121LB**

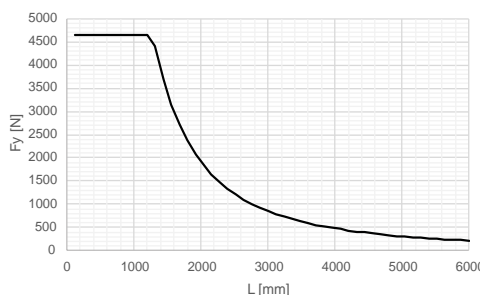
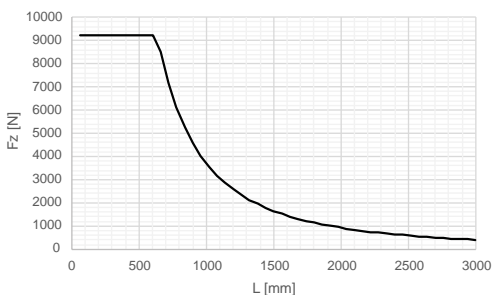
**INFORMAZIONI TECNICHE / TECHNICAL INFORMATION**

Massa base unità (corsa zero) <i>Unit's base mass (zero stroke)</i>	[Kg]	9,5
Massa lineare unità <i>Unit's linear mass</i>	[Kg/100mm]	1,25
Massa carro <i>Carriage's mass</i>	[Kg]	4,5
Velocità massima* <i>Maximum velocity</i>	[m/s]	4
Ripetibilità a vuoto <i>Unloaded repeatability</i>	[mm]	± 0,023
Sviluppo pignone <i>Pinion primitive circumference</i>	[mm/giro]	149,975
Modulo ingranaggio <i>Gear module</i>	[-]	1,5
Tipo cremagliera** <i>Rack features</i>	Denti obliqui classe precisione Q6 <i>Helix tooth accuracy class Q6</i>	
Forza massima di avanzamento* <i>Maximum feed force</i>	[N]	2300
Momento principale d'inerzia Y <i>Principal moment of inertia Y</i>	[cm <sup>4</sup> ]	381
Momento principale d'inerzia Z <i>Principal moment of inertia Z</i>	[cm <sup>4</sup> ]	787

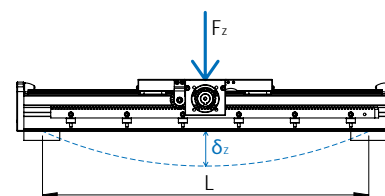
\* I valori sono da considerarsi indicativi.  
Prestazioni superiori sono possibili e vanno verificate col nostro ufficio tecnico.  
*Values should be considered as an indication.  
Higher performance are possible. Please Contact our technical department.*



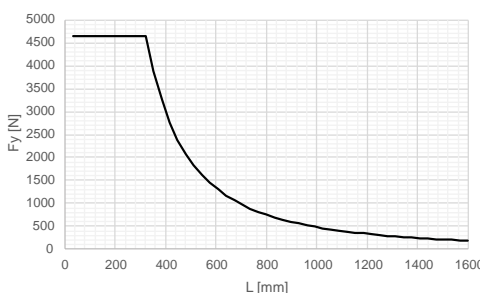
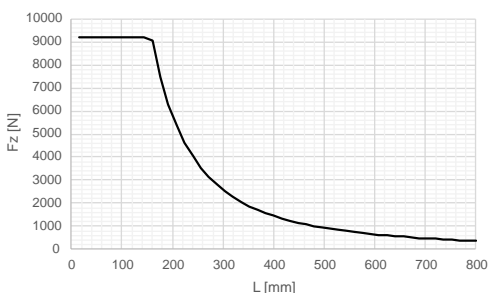
**CARICO MASSIMO AMMISSIBILE / MAXIMUM PERMISSIBLE LOAD**



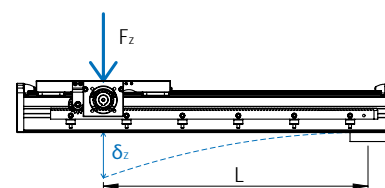
Sono rappresentati i carichi massimi applicabili in condizioni isostatiche, in appoggio, con vincolo torsionale semplice e carico in mezzeria.  
*Maximum load in isostatic condition centrally loaded.*



**CARICO MASSIMO AMMISSIBILE / MAXIMUM PERMISSIBLE LOAD**

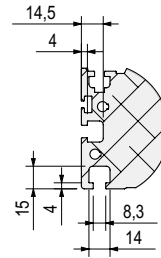
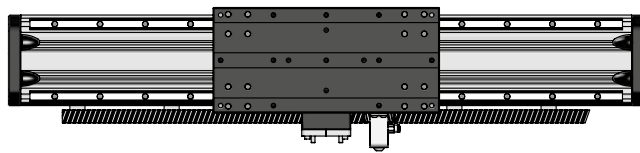
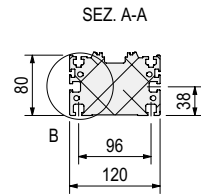
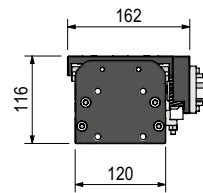
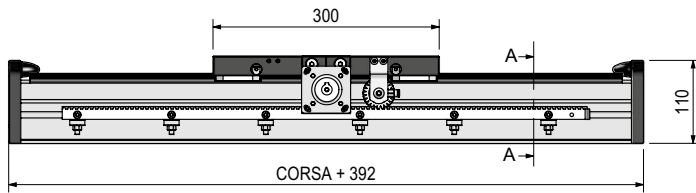


Sono rappresentati i carichi massimi applicabili in condizioni isostatiche, con vincolo rigido e carico all'estremità.  
*Maximum load in an isostatic cantilever loaded condition.*

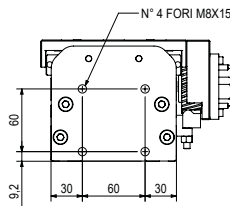
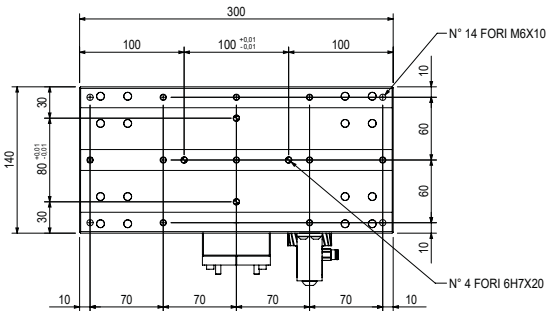


Si raccomanda di non superare i limiti dei grafici per non avere malfunzionamento dell'unità, peggioramento delle prestazioni o eccessiva usura.  
*We recommend not to exceed the maximum values to avoid lower performance, a reduced reliability and a big wear of the components.*

**DIMENSIONI / DIMENSIONS**



DET. B  
SCALA 1:5

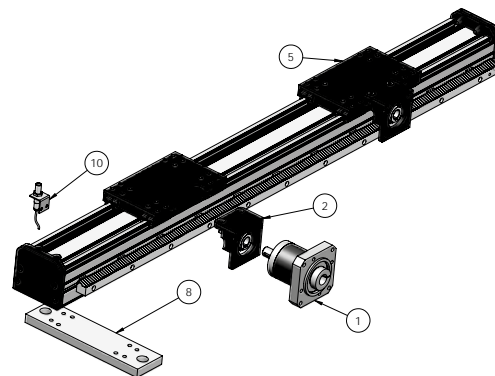


**Tipologia interfaccia riduttore** ②  
**Gearbox interface type**  
Kit IF55

Accessori Accessories	Cinghia Belt	Vite Ball screw	Crema- gliaiera 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

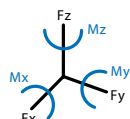
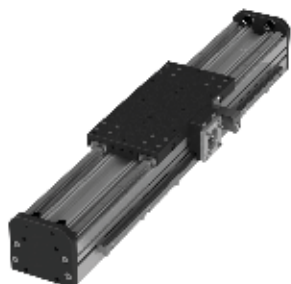
Le Unità Damo sono disponibili con una vasta gamma di accessori e optional specifici concepiti per facilitare la realizzazione e installazione di sistemi monoasse e multiasse.

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.



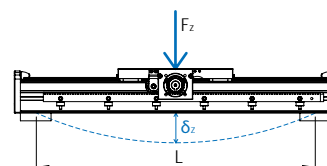
L'ufficio tecnico è a disposizione per la valutazione di applicazioni speciali e per analisi approfondite.  
The technical department is available for the evaluation of special applications and for detailed analysis.

**MODELLO / MODEL**  
**AMR121LB**

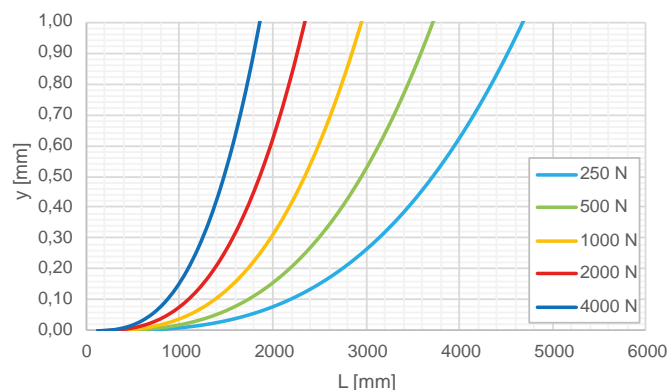
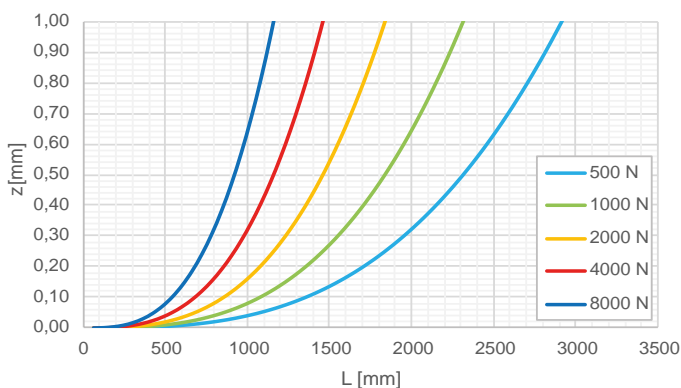


Sono rappresentate le deformazioni massime in condizioni isostatiche, in appoggio, con vincolo torsionale semplice e carico in mezzzeria. La deformazione effettiva dipende dalle condizioni di vincolo e dalla combinazione di carico.

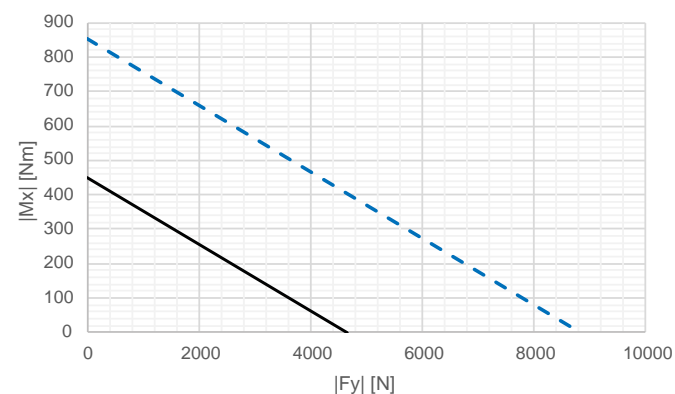
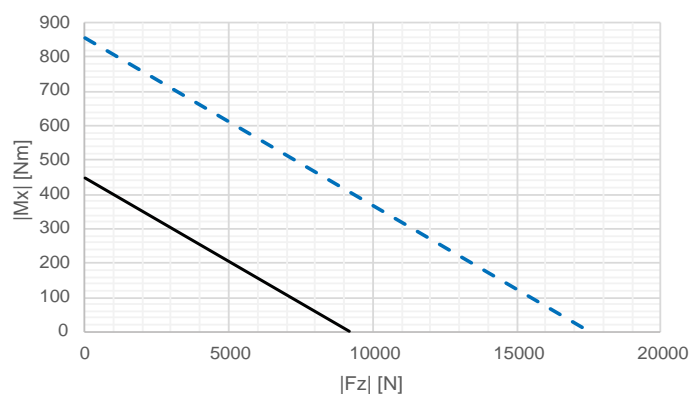
*Maximum deflection in isostatic condition centrally loaded. Actual strain depends on constraint condition and load combination.*



**DEFORMAZIONE ELASTICA / ELASTIC DEFORMATION**



**LIMITI STRUTTURALI / STRUCTURAL LIMITS**

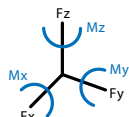


— Limite rottura a fatica: vita stimata superiore ai  $10 \times 10^6$  cicli col 99% probabilità. I grafici non possono essere combinati e valgono per:  $|M_x| \leq 0.1 |M_y|$  e  $|M_x| \leq 0.1 |M_z|$ .  
*Fatigue limit: estimated lifetime higher than  $10 \times 10^6$  cycles with 99% probability. 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.*

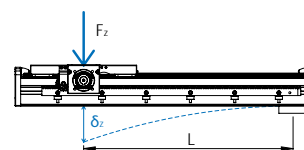
Per casi di sollecitazione composta si faccia riferimento all'ufficio tecnico.  
*In case of combined stress contact our technical department.*

**MODELLO / MODEL**  
**AMR121LB**

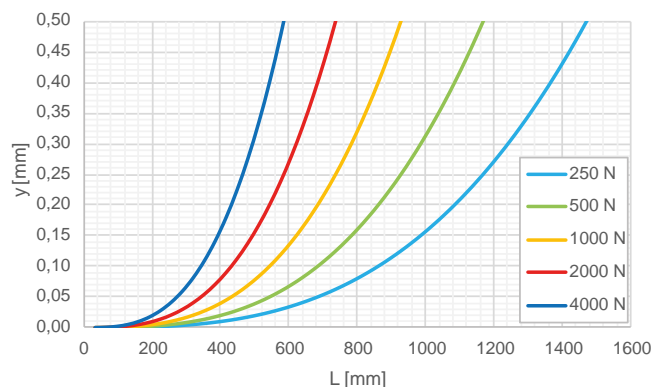
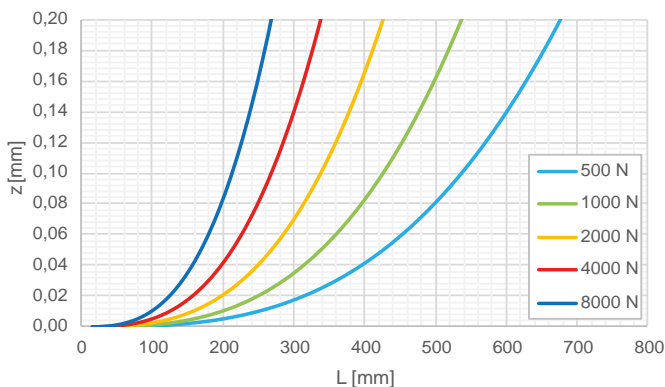


Sono rappresentate le deformazioni massime in condizioni isostatiche, con vincolo rigido e carico all'estremità. La deformazione effettiva dipende dalle condizioni di vincolo e dalla combinazione di carico.

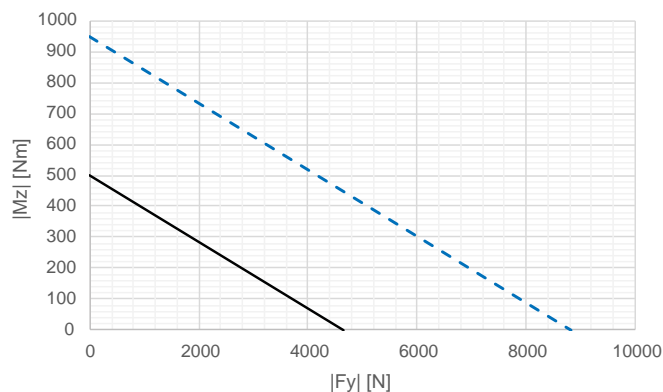
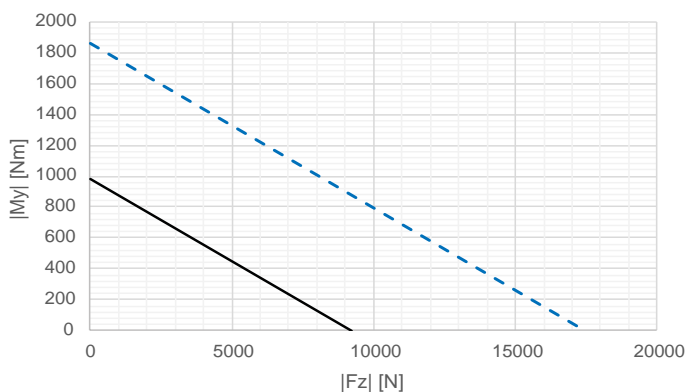
Maximum deflection in an isostatic cantilever loaded condition. Actual strain depends on constraint condition and load combination.



**DEFORMAZIONE ELASTICA / ELASTIC DEFORMATION**



**LIMITI STRUTTURALI / STRUCTURAL LIMITS**



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