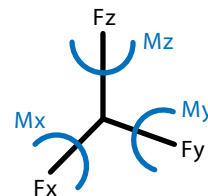
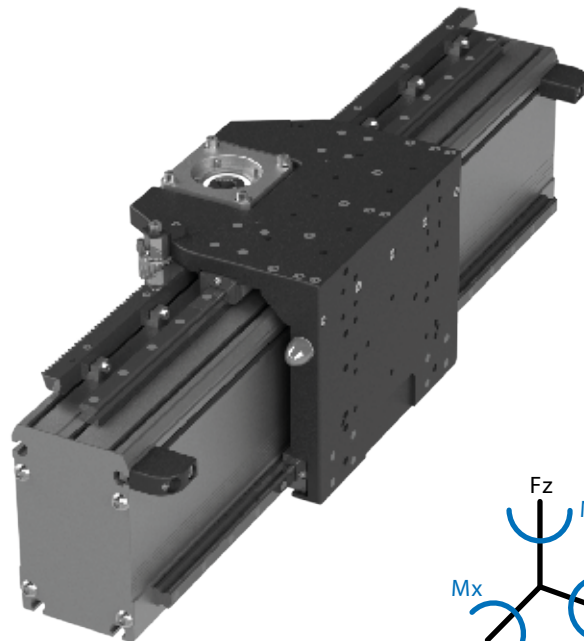


**MODELLO / MODEL**  
**AMR240LO**

**INFORMAZIONI TECNICHE / TECHNICAL INFORMATION**

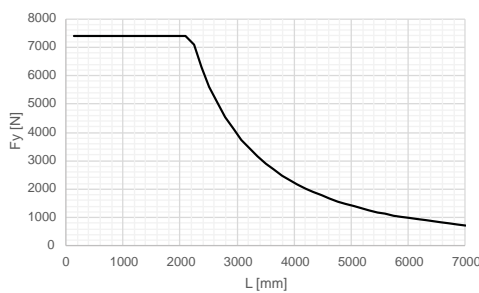
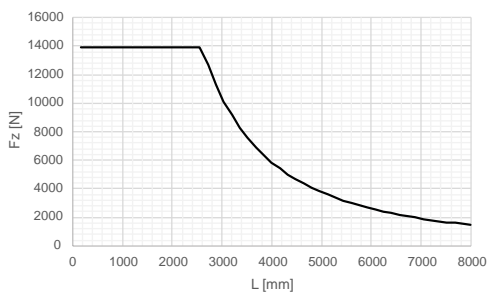
Massa base unità (corsa zero) <i>Unit's base mass (zero stroke)</i>	[Kg]	30
Massa lineare unità <i>Unit's linear mass</i>	[Kg/100mm]	3,49
Massa carro <i>Carriage's mass</i>	[Kg]	14
Velocità massima* <i>Maximum velocity</i>	[m/s]	4
Ripetibilità a vuoto <i>Unloaded repeatability</i>	[mm]	± 0,023
Sviluppo pignone <i>Pinion primitive circumference</i>	[mm/giro]	146,661
Modulo ingranaggio <i>Gear module</i>	[-]	2
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]	4300
Momento principale d'inerzia Y <i>Principal moment of inertia Y</i>	[cm <sup>4</sup> ]	9428
Momento principale d'inerzia Z <i>Principal moment of inertia Z</i>	[cm <sup>4</sup> ]	3578

\* 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.*

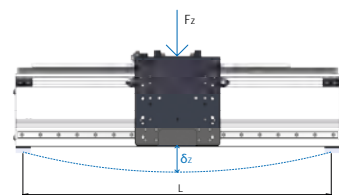


**Tutti i grafici di seguito sono riferiti a carichi applicati sulla faccia superiore del carro. In caso di carichi applicati sulla faccia laterale le prestazioni possono differire e vanno verificate con il nostro ufficio tecnico.**  
**All the graphs below refer to loads applied on the upper face of the carriage. In case of loads applied on the lateral face the performances may vary and must be verified with our technical department.**

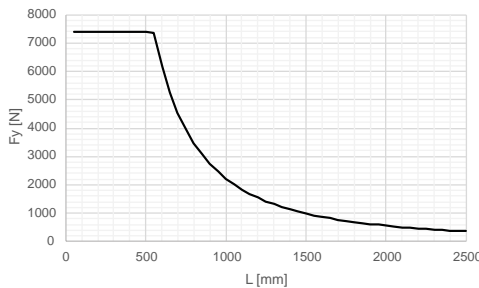
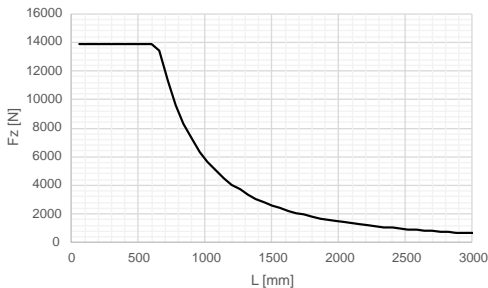
**CARICO MASSIMO AMMISSIBILE / MAXIMUM PERMISSIBLE LOAD**



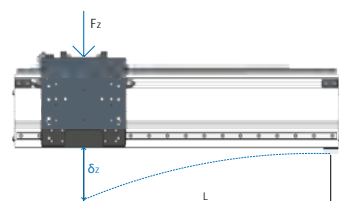
Sono rappresentati i carichi massimi applicabili in condizioni isostatiche, in appoggio, con vincolo torsionale semplice e carico in mezzzeria.  
*Maximum load in isostatic condition centrally loaded.*



**CARICO MASSIMO AMMISSIBILE / MAXIMUM PERMISSIBLE LOAD**

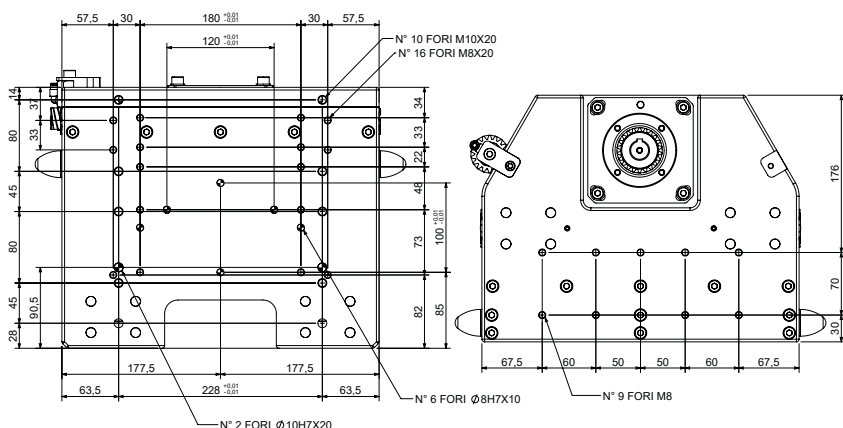
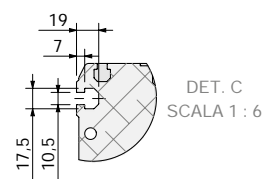
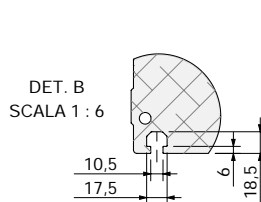
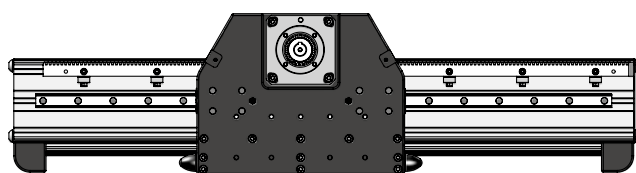
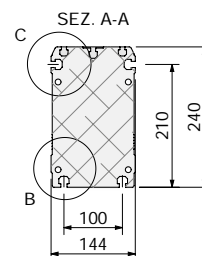
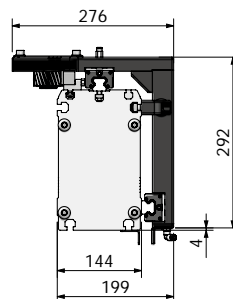
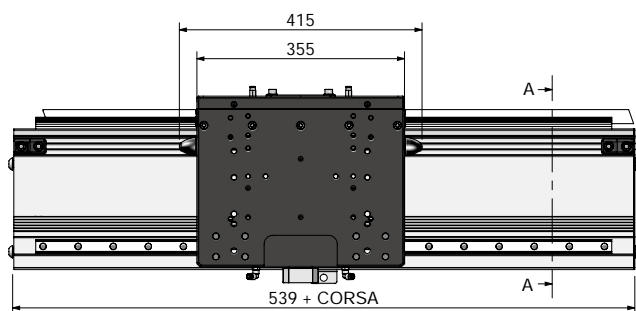


Sono rappresentati i carichi massimi applicabili in condizioni isostatiche, con vincolo rigido e carico all'estremità.  
*Maximum load in an isostatic cantilever loaded condition.*



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**

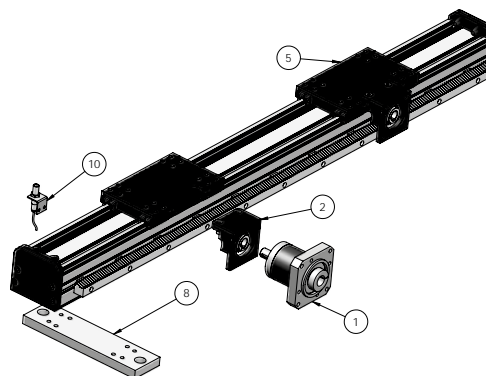


**Tipologia interfaccia riduttore** ②  
**Gearbox interface type**  
Kit IF88

Accessori Accessories	Cinghia Belt	Vite Ball screw	Crema- glia 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

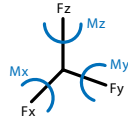
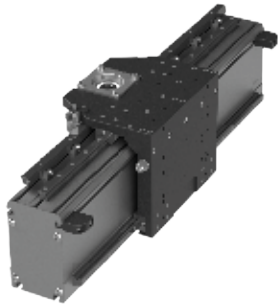
Le Unità Damo sono disponibili con una vasta gamma di accessori e optional specifici concepiti per facilitare la realizzazione e installazione di sistemi monoasse e multiasse.

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.



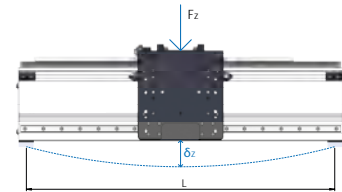
L'ufficio tecnico è a disposizione per la valutazione di applicazioni speciali e per analisi approfondite.  
The technical department is available for the evaluation of special applications and for detailed analysis.

**MODELLO / MODEL**  
**AMR240LO**

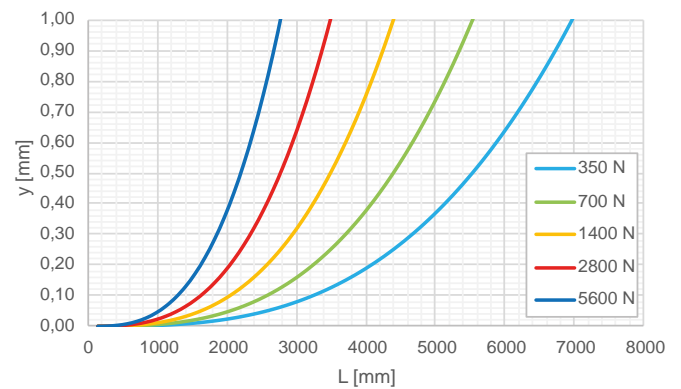
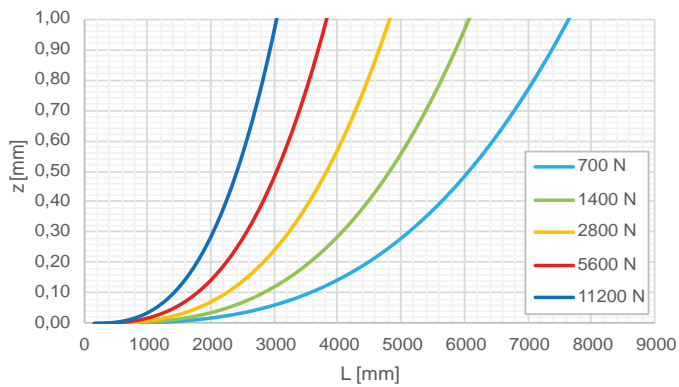


Sono rappresentate le deformazioni massime in condizioni isostatiche, in appoggio, con vincolo torsionale semplice e carico in mezzzeria. La deformazione effettiva dipende dalle condizioni di vincolo e dalla combinazione di carico.

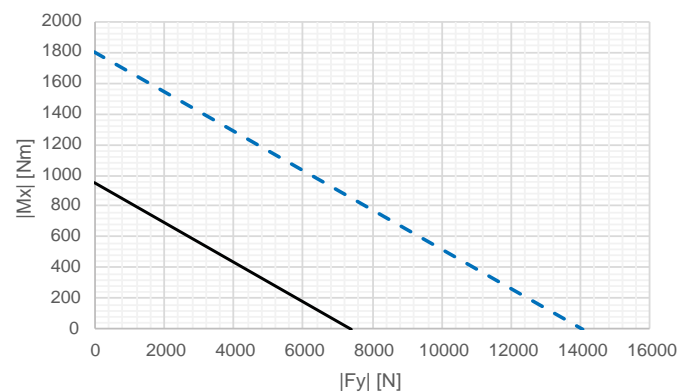
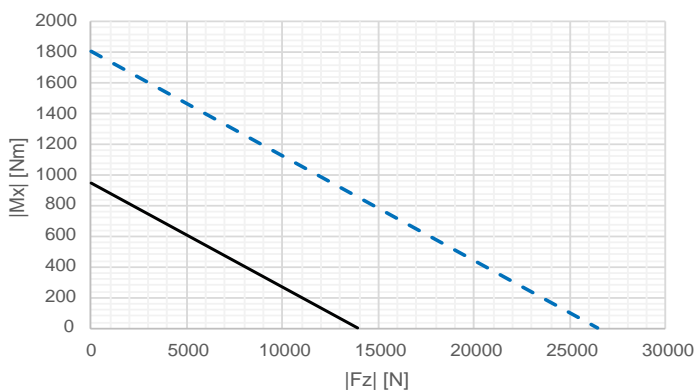
Maximum deflection in isostatic condition centrally loaded. Actual strain depends on constraint condition and load combination.



**DEFORMAZIONE ELASTICA / ELASTIC DEFORMATION**



**LIMITI STRUTTURALI / STRUCTURAL LIMITS**

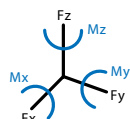
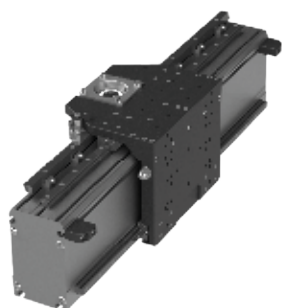


— Limite rottura a fatica: vita stimata superiore ai  $10 \times 10^6$  cicli col 99% probabilità. I grafici non possono essere combinati e valgono per:  $|M_x| \leq 0.1 |M_y|$  e  $|M_x| \leq 0.1 |M_z|$ .  
Fatigue limit: estimated lifetime higher than  $10 \times 10^6$  cycles with 99% probability.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

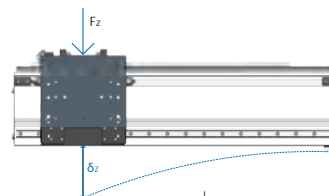
Per casi di sollecitazione composta si faccia riferimento all'ufficio tecnico.  
In case of combined stress contact our technical department.

**MODELLO / MODEL**  
**AMR240LO**

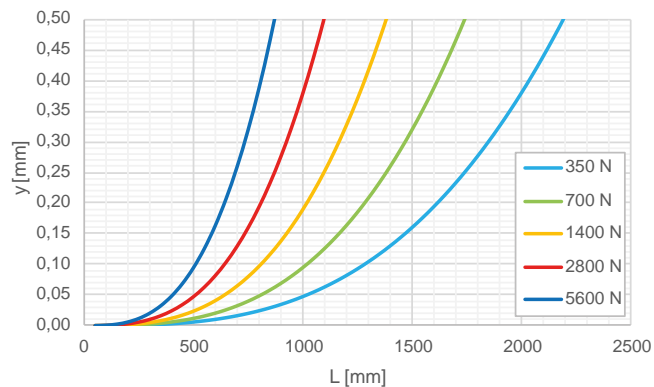
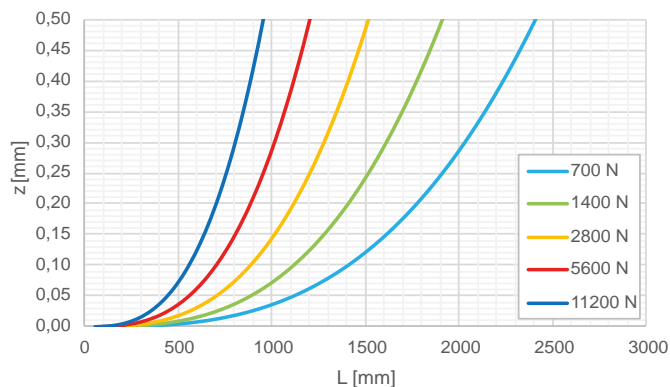


Sono rappresentate le deformazioni massime in condizioni isostatiche, con vincolo rigido e carico all'estremità. La deformazione effettiva dipende dalle condizioni di vincolo e dalla combinazione di carico.

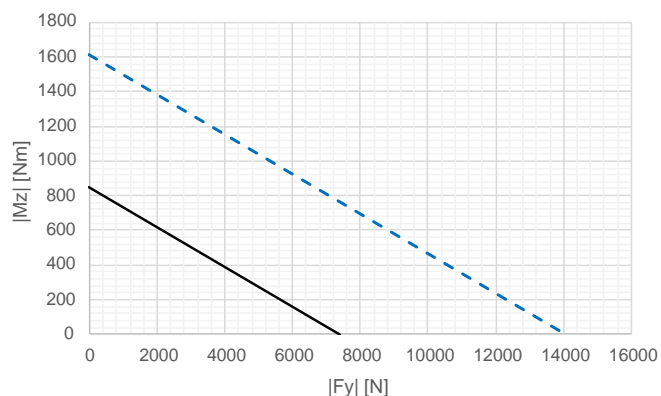
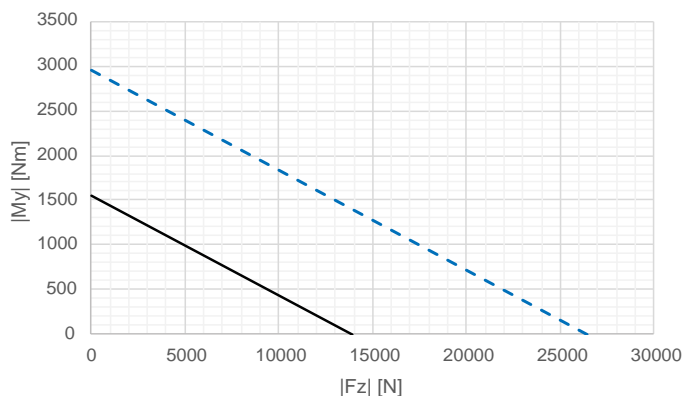
Maximum deflection in an isostatic cantilever loaded condition. Actual strain depends on constraint condition and load combination.



**DEFORMAZIONE ELASTICA / ELASTIC DEFORMATION**



**LIMITI STRUTTURALI / STRUCTURAL LIMITS**



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