



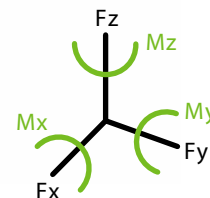
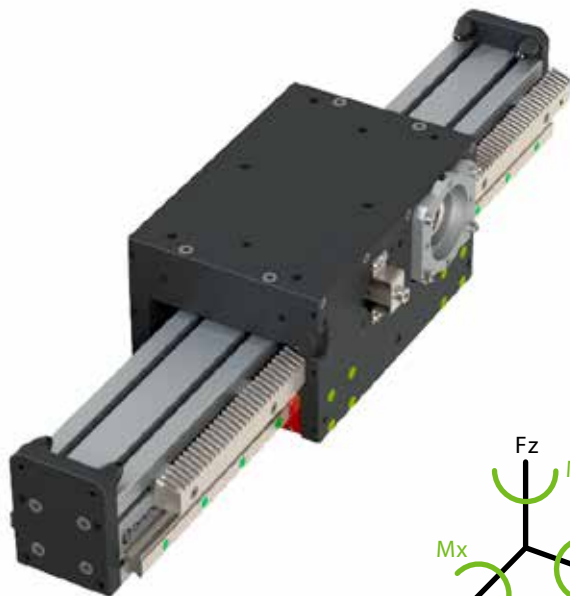
MODELLO / MODEL
AMR090FBC

INFORMAZIONI TECNICHE / TECHNICAL INFORMATION

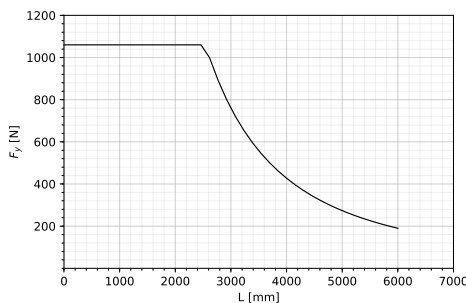
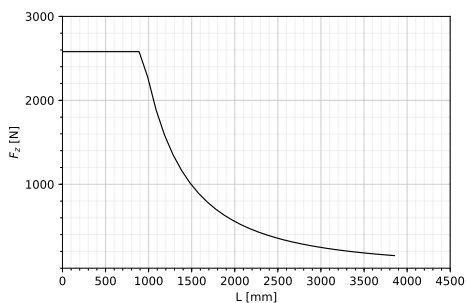
Massa base unità (corsa zero) <i>Unit's base mass (zero stroke)</i>	[Kg]	14,35
Massa lineare unità <i>Unit's linear mass</i>	[Kg/100mm]	1,47
Massa carro <i>Carriage's mass</i>	[Kg]	8,7
Velocità massima* <i>Maximum velocity</i>	[m/s]	3
Ripetibilità a vuoto <i>Unloaded repeatability</i>	[mm]	±0,045
Sviluppo pignone <i>Pinion primitive circumference</i>	[mm/giro]	133,328
Modulo ingranaggio <i>Gear module</i>	[-]	2
Tipo cremagliera** <i>Rack features</i>	Denti obliqui classe precisione Q7 <i>Helix tooth accuracy class Q7</i>	
Forza massima di avanzamento* <i>Maximum feed force</i>	[N]	4000
Momento principale d'inerzia Y <i>Principal moment of inertia Y</i>	[cm ⁴]	234
Momento principale d'inerzia Z <i>Principal moment of inertia Z</i>	[cm ⁴]	719

* 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.*

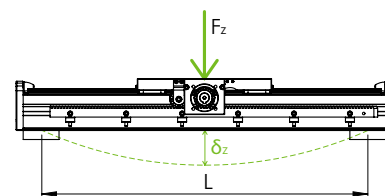
** Disponibile su richiesta classe precisione Q6.
Available on request accuracy class Q6.



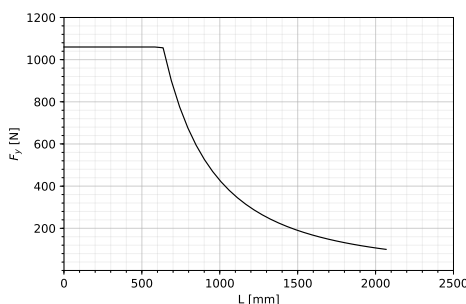
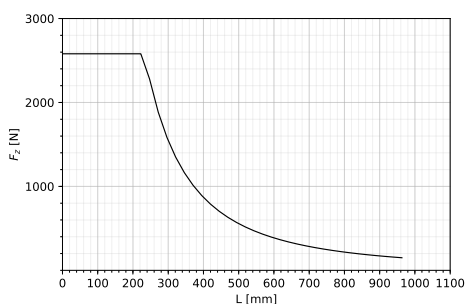
CARICO MASSIMO AMMISSIBILE / MAXIMUM PERMISSIBLE LOAD



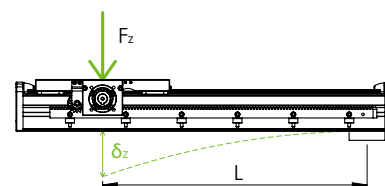
Sono rappresentati i carichi massimi applicabili in condizioni isostatiche, in appoggio, con vincolo torsionale semplice e carico in mezzeria.
Maximum load in isostatic condition centrally loaded.



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.

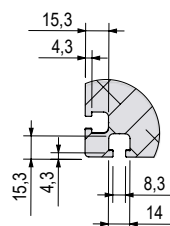
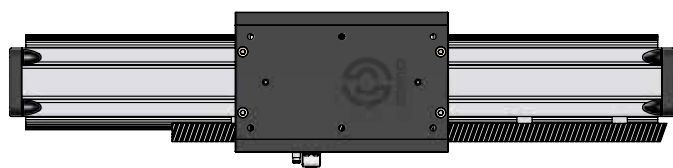
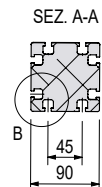
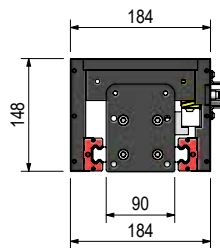
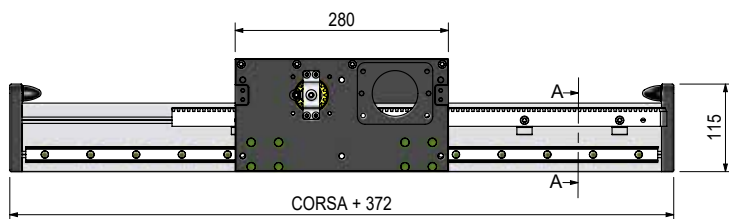


SERIE AMR
90

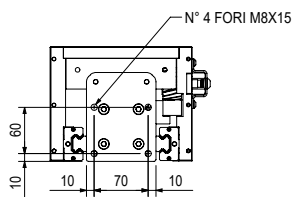
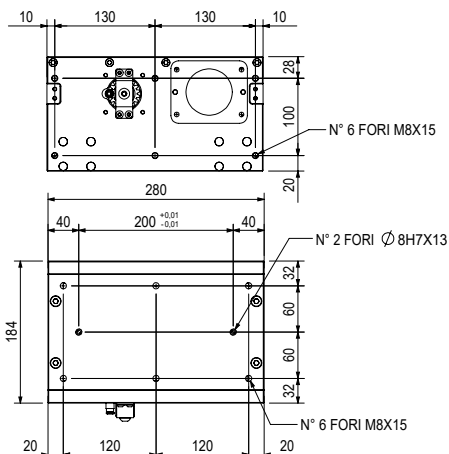
UNITÀ LINEARE A CREMAGLIERA
LINEAR RACK AND PINION UNIT

DIMENSIONI / DIMENSIONS

CAD files: www.damosrl.com/amr090fbc



DET. B
SCALA 1 : 5

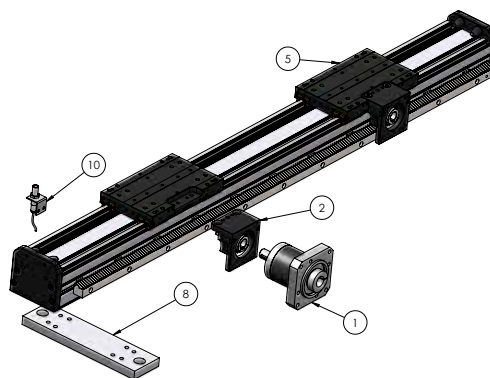


Tipologia interfaccia riduttore ②
Gearbox interface type
Kit IF60

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 Damos 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.

Strada Sette Case, 65
36061 Bassano del Grappa (VI)

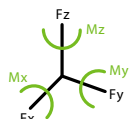
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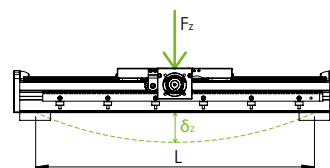


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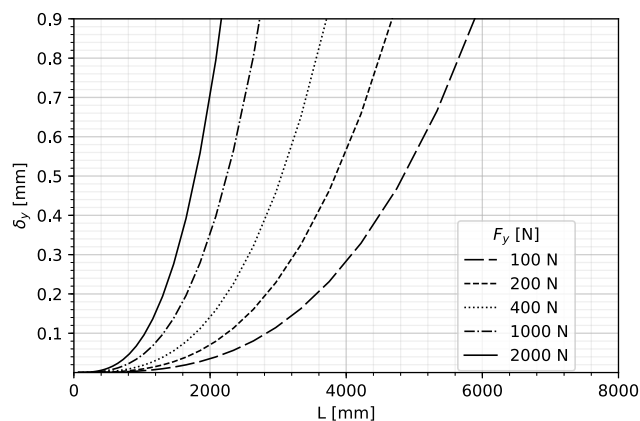
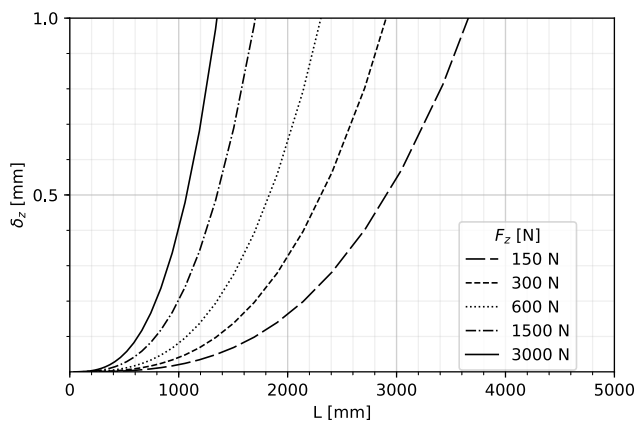


Sono rappresentate le deformazioni massime in condizioni isostatiche, in appoggio, con vincolo torsionale semplice e carico in mezzzeria. La deformazione effettiva dipende dalle condizioni di vincolo e dalla combinazione di carico.

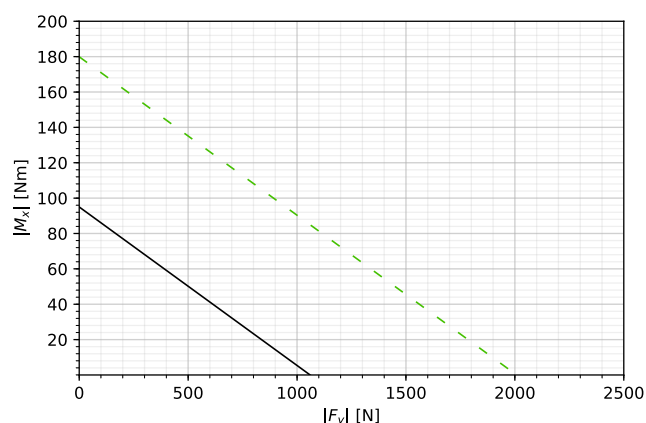
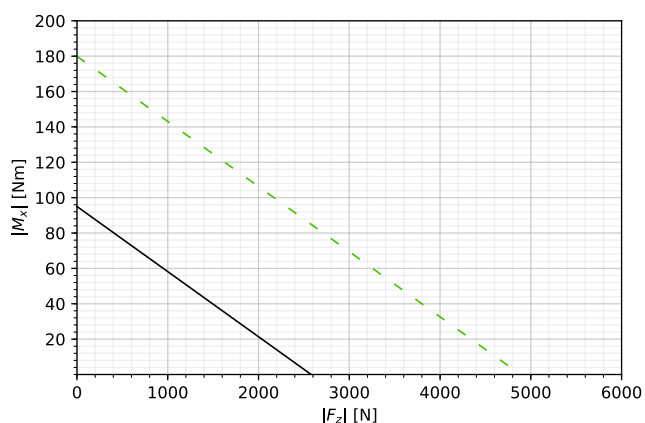
Maximum deflection in isostatic condition centrally loaded. Actual strain depends on constraint condition and load combination.



DEFORMAZIONE ELASTICA / ELASTIC DEFORMATION



LIMITI STRUTTURALI / STRUCTURAL LIMITS



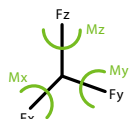
— Limite rottura a fatica: vita stimata superiore ai 10×10^6 cicli col 99% probabilità. I grafici non possono essere combinati e valgono per: $|M_x| \leq 0.1 |M_y|$ e $|M_x| \leq 0.1 |M_z|$.
Fatigue limit: estimated lifetime higher than 10×10^6 cycles with 99% probability. Charts cannot be combined and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

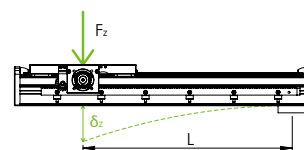
Per casi di sollecitazione composta si faccia riferimento all'ufficio tecnico.
In case of combined stress contact our technical department.



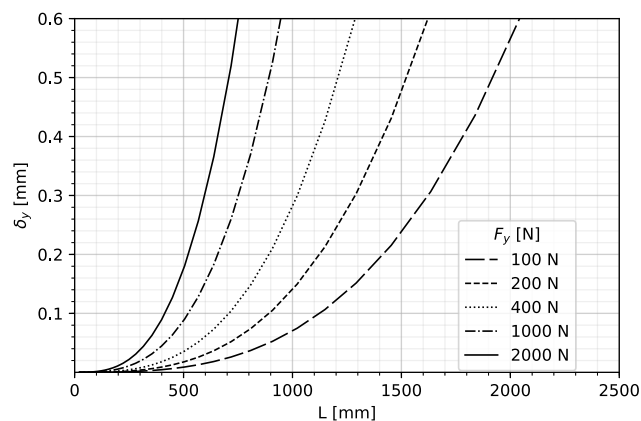
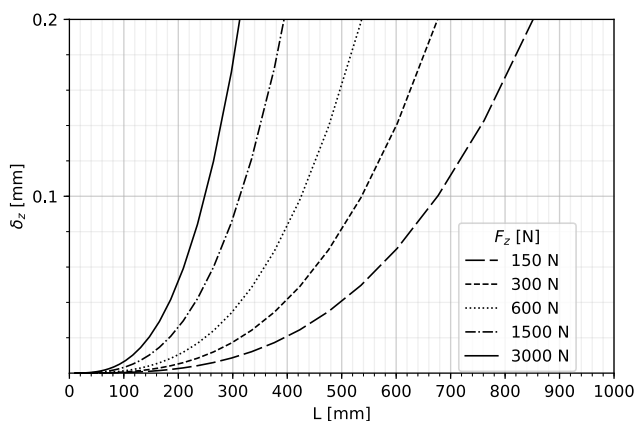
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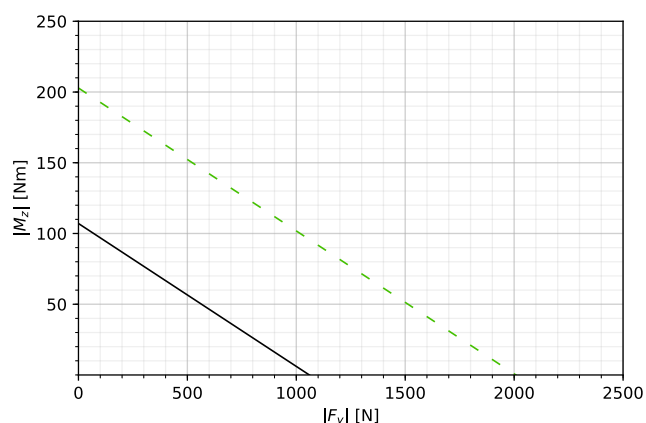
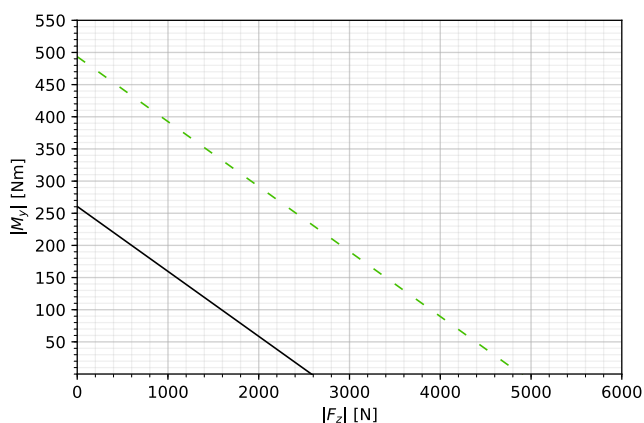
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