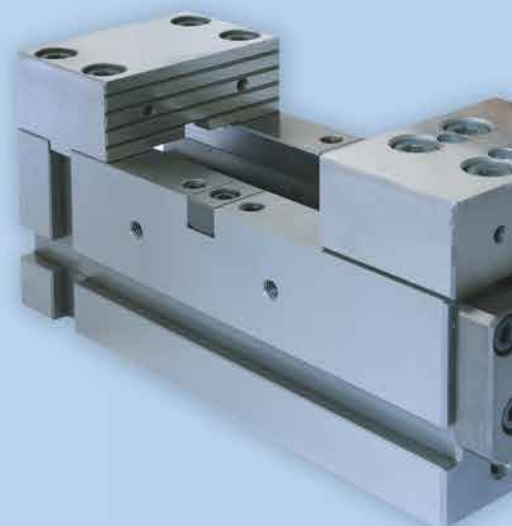
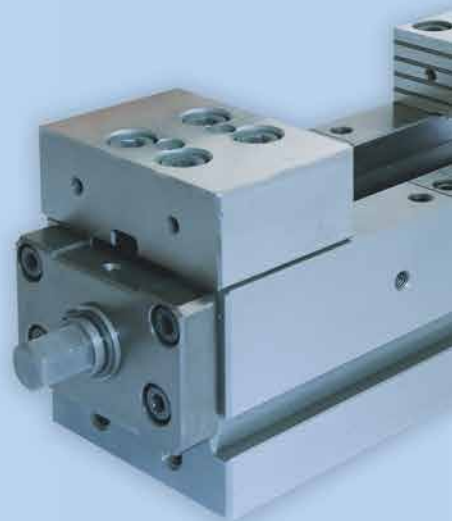


MORSE MODULARI
MODULAR VICES



MORSE SEMPLICI
SINGLE VICES

MORSE DOPPIE
DOUBLE VICES



MORSE AUTOCENTRANTI
SELF-CENTERING VICES

PARALLELE PER MORSE
PARALLEL FOR VICES



Il nostro ufficio tecnico è a disposizione per eventuali chiarimenti e disponibile per la progettazione di attrezzature speciali.

I disegni tecnici non sono in scala;
le misure sono espresse in millimetri.

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Tutti i diritti sono riservati.
È fatto espresso divieto di qualunque riproduzione totale o parziale del presente catalogo.

.....

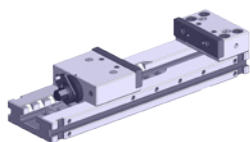
Our technical office is at your disposal for any clarifications and for the engineering of special tools.

The technical drawings are not to scale; all measurements are expressed in mm.

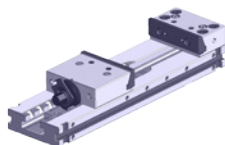
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► MORSE MODULARI - MODULAR VICES



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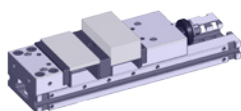
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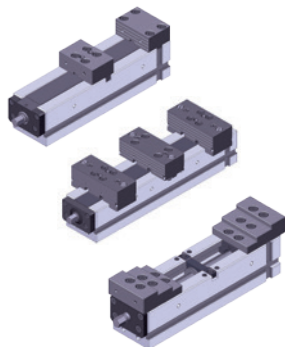
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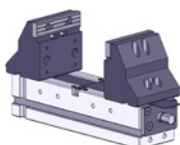


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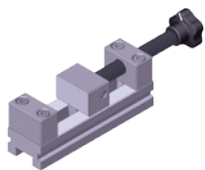
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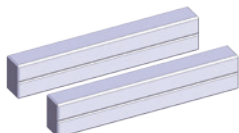
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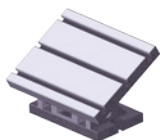
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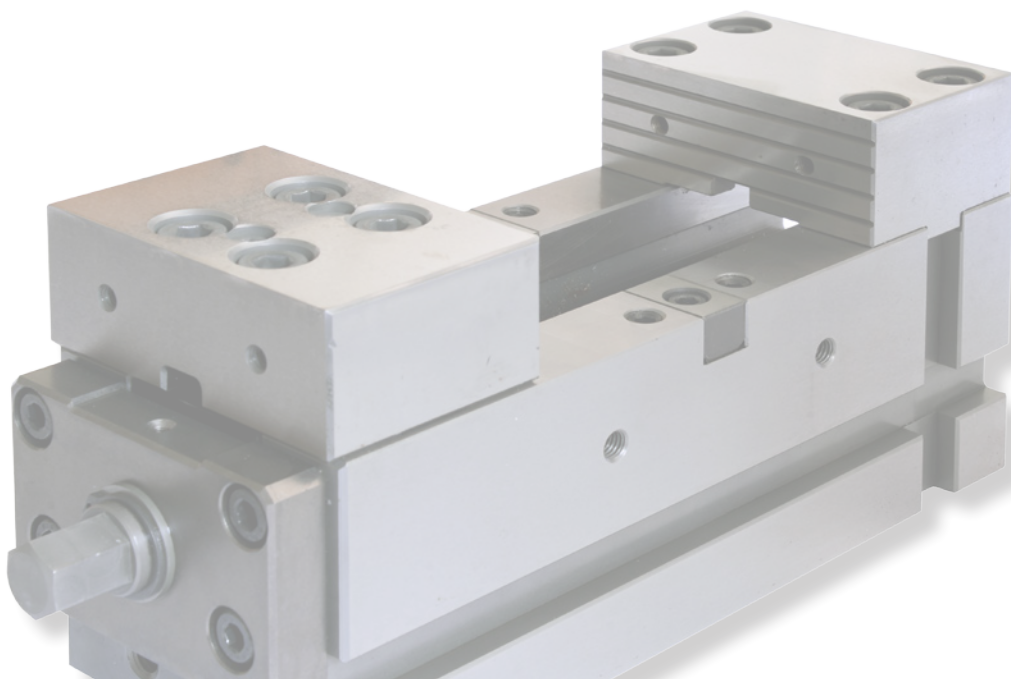


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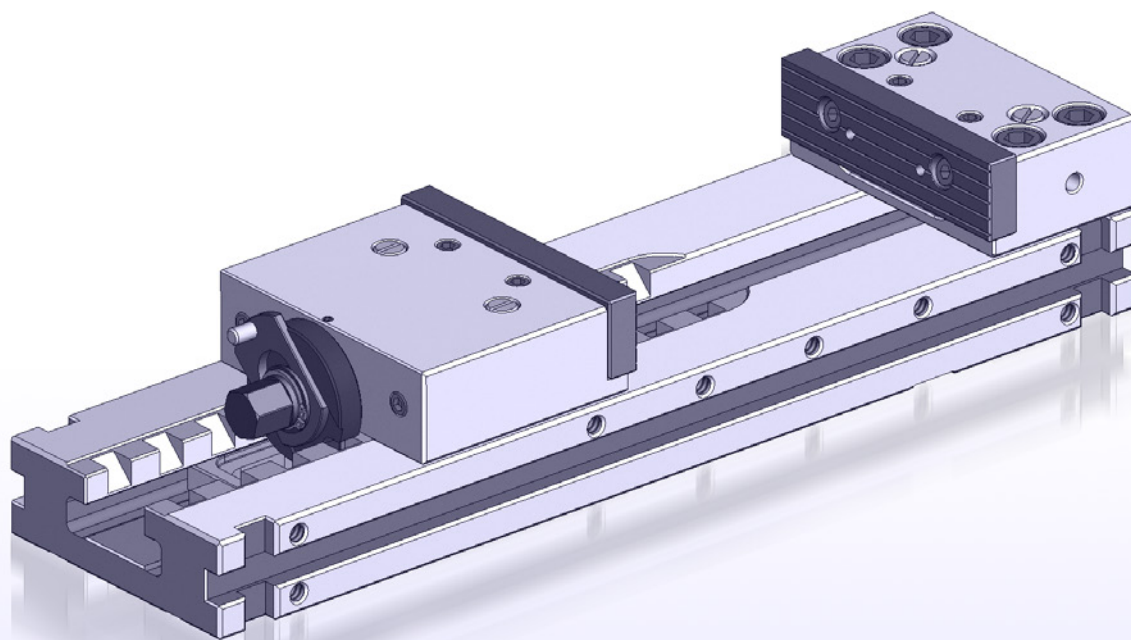
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Squadra orientabile	45
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MORSE MODULARI MODULAR VICES



Morsa costruita in acciaio NiCrMo rettificato, durezza HRC 60÷62 tolleranza 0.015.

CARATTERISTICHE:

- Struttura dello slittone più largo della ganascia (escluso mod. 200÷250) con possibilità di staffare indifferentemente su piastre a reticoli di fori o su cave a T;
- Carro mobile con guide e lardone estremamente lunghi evitano l'innalzamento e sbandamento laterale del carro;
- Viti e chiocciola protette nel carro evitano urti o usure;
- Sistema di avvicinamento rapido del carro al pezzo senza impiego di chiave.

Vice completely made of steel NiCrMo with hardness of 60÷62, tolerance 0.0015.

FEATURES:

- Body wider than jaws (except for model 200÷250); can be clamped on grid plates or on T-slots;
- Mobile jaw with very long guides and gib to prevent the jaw from lifting and skidding;
- Screw and screw nut enclosed into the jaw to protect them from impacts or wear;
- Fast traverse system to the mobile jaw with no need of keys.

► Code

MDD

Morse modulari con ganasce fisse
Modular vices with fixed jaws

► Code

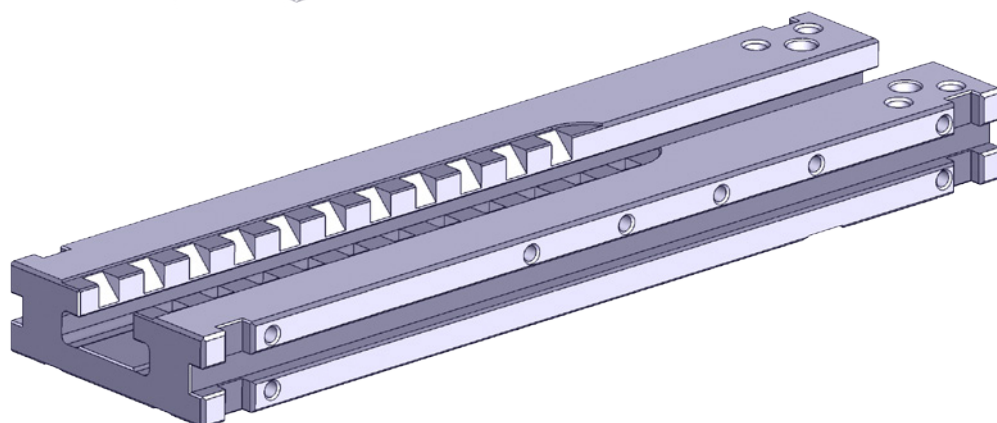
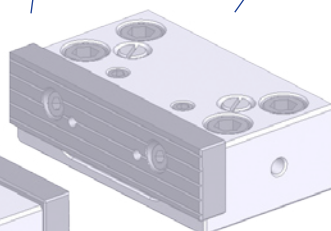
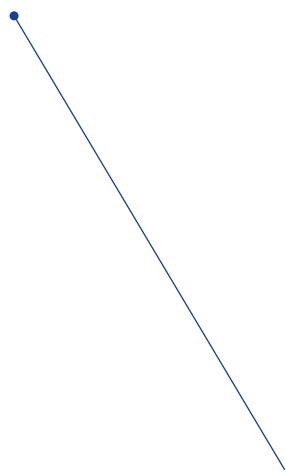
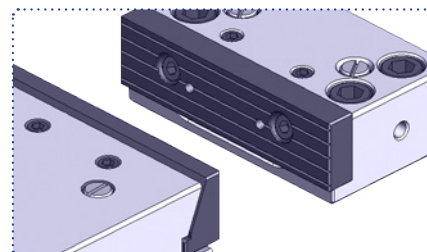
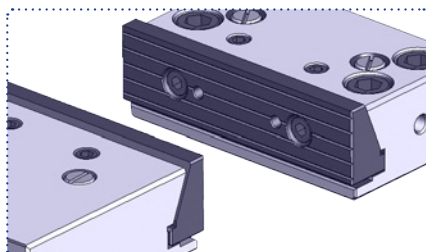
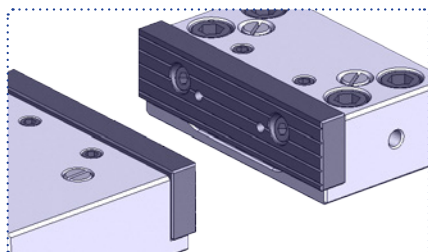
MII

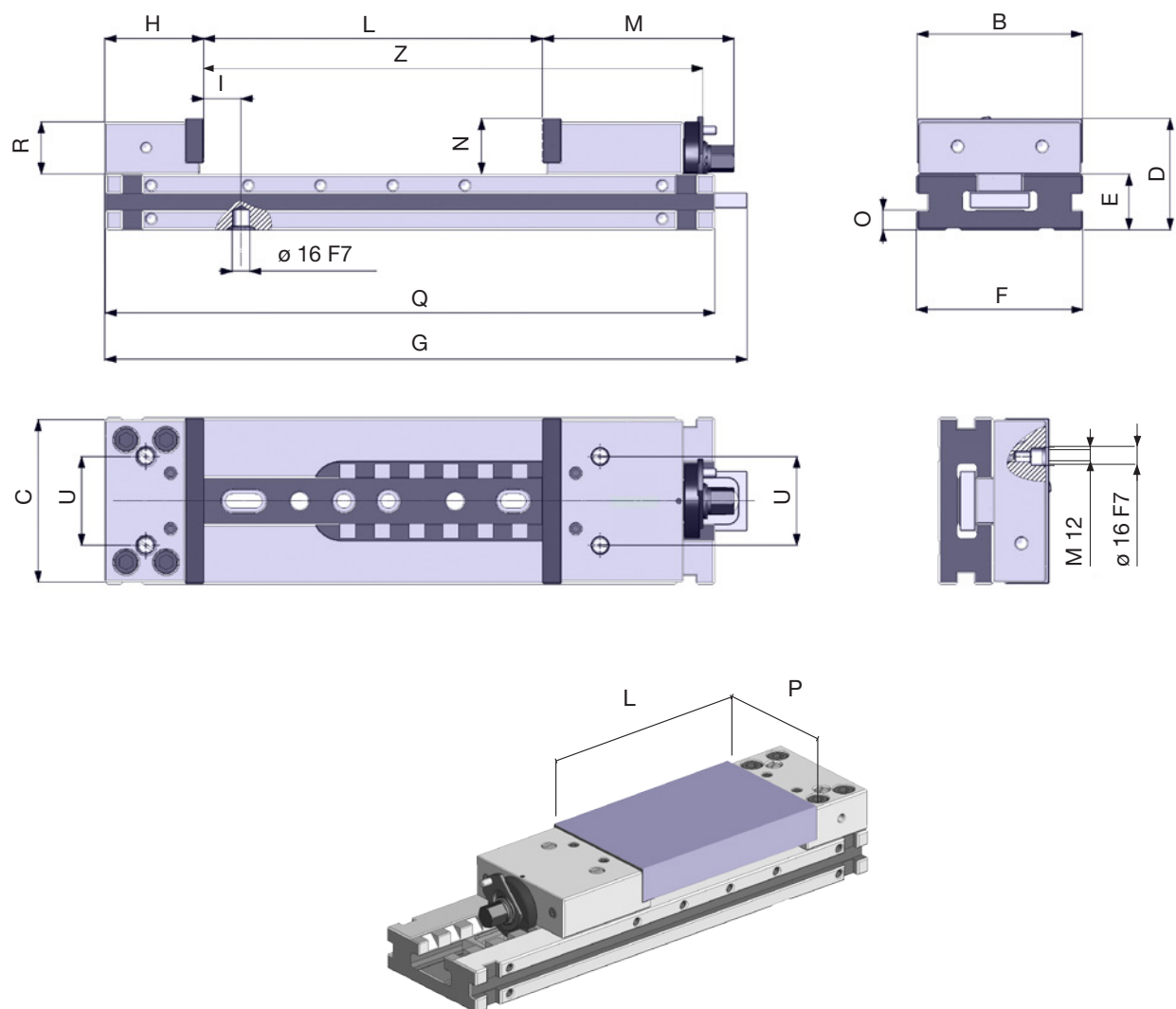
Morse modulari con ganasce
 discendenti
Modular vices with pull down jaws

► Code

MDI

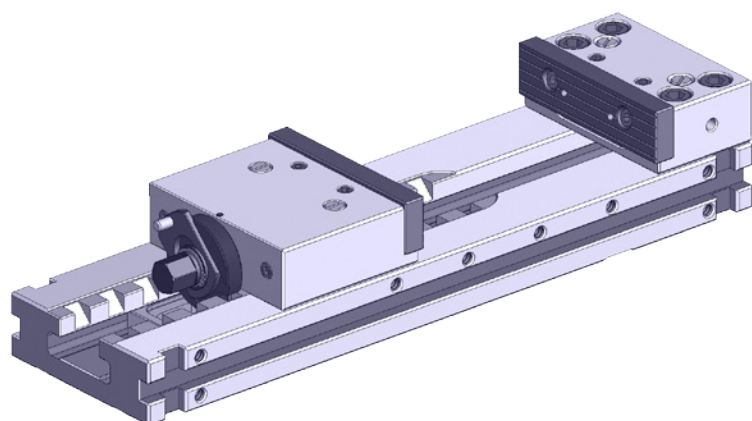
Morse modulari con portaganasce
 con ganascia fissa **MMD** e carro con
 ganascia discendente **MII**
*Modular vices with jaw-holder with
MMD fixed jaw and mobile jaw with
MII pull down jaw*





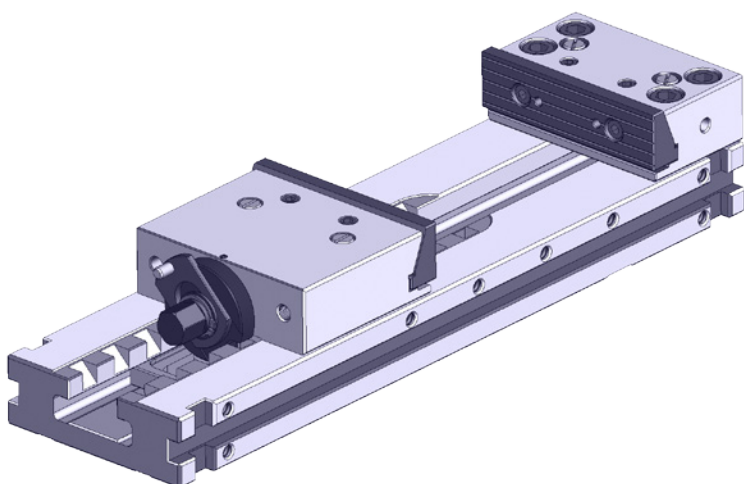
Misura Size P x L	B	C	D	E - 0.005 - 0.020	F	G	H	I 0 - 0.020	M	N	O	Q	R	U	Z	kg
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
125x150	124	121	80	40	125	417	80.4	33.60	164	40	15	390	38	64	309,6	21.5
125x250	124	121	80	40	125	517	80.4	33.60	164	40	15	490	38	64	409,6	25.6
150x200	149	146	100	50	150	480	89	33.60	171	50	17.5	449	47	80	360	34.0
150x250	149	146	100	50	150	530	89	33.60	171	50	17.5	499	47	80	410	37.0
150x300	149	146	100	50	150	580	89	33.60	171	50	17.5	549	47	80	460	38.6
150x400	149	146	100	50	150	680	89	33.60	171	50	17.5	649	47	80	560	45.0
150x500	149	146	100	50	150	780	89	33.60	171	50	17.5	749	47	80	660	51.5
175x300	174	173	118	58	175	636	106	33.60	207	60	20	603	57	100	497	58.5
175x400	174	173	118	58	175	736	106	33.60	207	60	20	703	57	100	597	65.0
175x500	174	173	118	58	175	836	106	33.60	207	60	20	803	57	100	697	70.5
200x300	200	193	118	58	175	636	106	33.60	207	60	20	603	57	100	497	61.5
200x400	200	193	118	58	175	736	106	33.60	207	60	20	703	57	100	597	69.0
200x500	200	193	118	58	175	836	106	33.60	207	60	20	803	57	100	697	75.0
250x400	250	245	138	68	195	749	135	4.60	207	70	20	738	67	100	603	106

Morsa modulare con ganasce fisse
Modular vice with fixed jaws



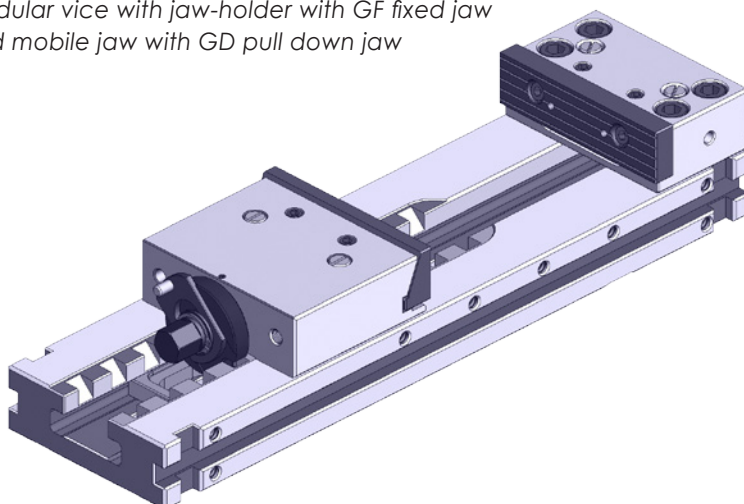
Code	MDD
CODE	Misura Size
MDD 125-150	125x150
MDD 125-250	125x250
MDD 150-200	150x200
MDD 150-250	150x250
MDD 150-300	150x300
MDD 150-400	150x400
MDD 150-500	150x500
MDD 175-300	175x300
MDD 175-400	175x400
MDD 175-500	175x500
MDD 200-300	200x300
MDD 200-400	200x400
MDD 200-500	200x500
MDD 250-400	250x400

Morsa modulare con ganasce discendenti
Modular vice with pull down jaws

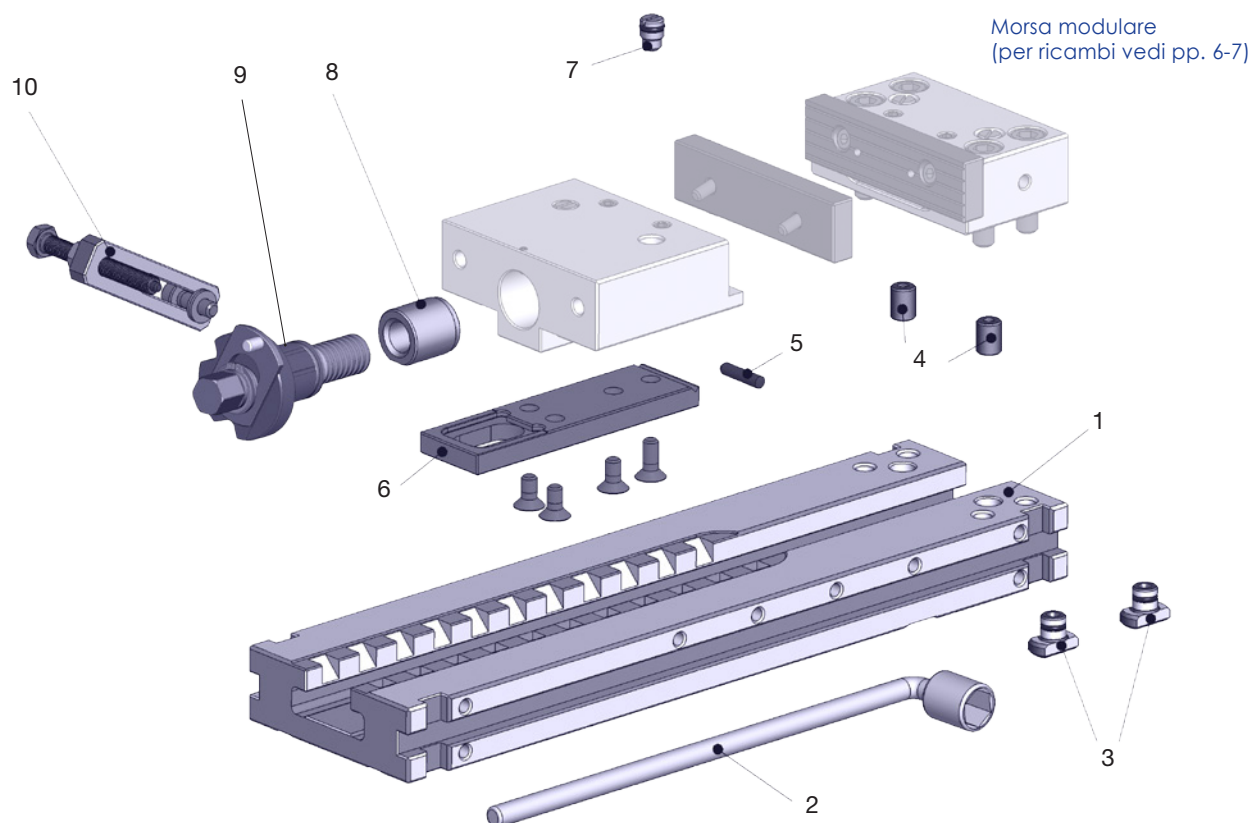


Code	MII
CODE	Misura Size
MII 125-150	125x150
MII 125-250	125x250
MII 150-200	150x200
MII 150-250	150x250
MII 150-300	150x300
MII 150-400	150x400
MII 150-500	150x500
MII 175-300	175x300
MII 175-400	175x400
MII 175-500	175x500
MII 200-300	200x300
MII 200-400	200x400
MII 200-500	200x500
MII 250-400	250x400

Morsa modulare con portaganasce con ganascia fissa GF e carro con ganascia discendente GD
Modular vice with jaw-holder with GF fixed jaw and mobile jaw with GD pull down jaw



Code	MDI
CODE	Misura Size
MDI 125-150	125x150
MDI 125-250	125x250
MDI 150-200	150x200
MDI 150-250	150x250
MDI 150-300	150x300
MDI 150-400	150x400
MDI 150-500	150x500
MDI 175-300	175x300
MDI 175-400	175x400
MDI 175-500	175x500
MDI 200-300	200x300
MDI 200-400	200x400
MDI 200-500	200x500
MDI 250-400	250x400



POS.	DENOMINATION	Q.TY
1	Slittone di base Body	1
2	Chiave a pipa Wrench	1
3	Tasselli cava Slot nuts	2
4	Spine fisse Fixed pin	2
5	Spina Pin	1
6	Lardone Gib	1
7	Tappo fori Hole plug	4
8	Chiocciola Screw nut	1
9	Gruppo vite Screw set	1
10	Fermo laterale Workpiece stop	1

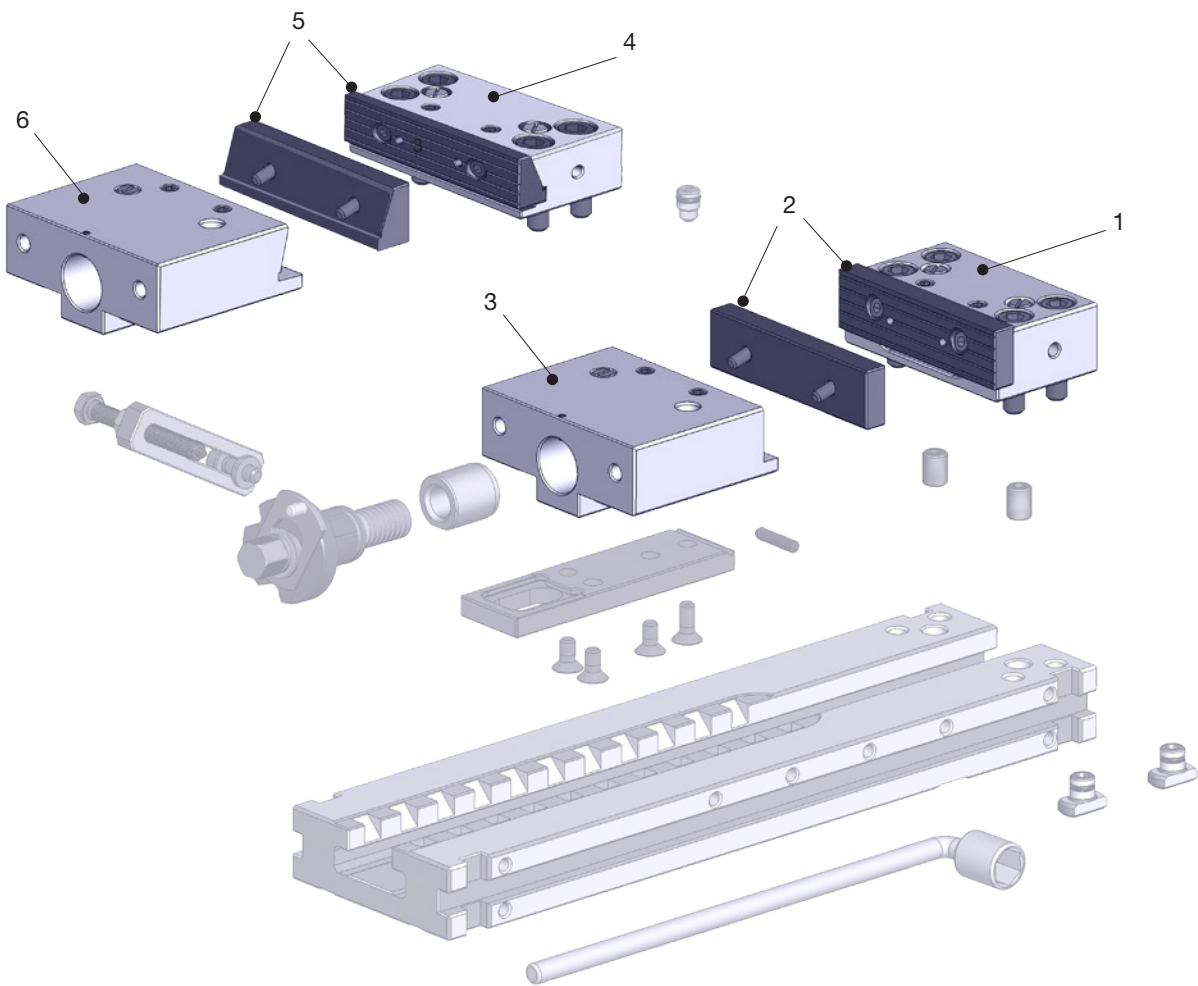
POS.	CODE	SIZE (mm)
1	MM125-150-01	125x150
	MM125-250-01	125x250
	MM150-200-01	150x200
	MM150-250-01	150x250
	MM150-300-01	150x300
	MM150-400-01	150x400
	MM150-500-01	150x500
	MM175-300-01	175/200x300
	MM175-400-01	175/200x400
	MM175-500-01	175/200x500
2	MM195-400-01	250x400
	MM19-02	125 (19 mm)
	MM22-02	150 (22 mm)
3	MM27-02	175/200/250 (27 mm)
	MM012-020-03	12
	MM014-020-03	14
	MM016-020-03	16
	MM018-020-03	18
	MM020-020-03	20
	MM022-020-03	22

4	MM016-010-04	125/150/175/200/250
5	MM8X28-05	125
	MM8X35-05	150
	MM8X45-05	175/200/250
6	MM125-070-06	125
	MM150-070-06	150
	MM175-070-06	175
	MM250-070-06	250
7	MM150-250-07	125/150/175/200/250
8	MM125-020-08	125
	MM150-020-08	150
	MM175-020-08	175
9	MM125-09	125
	MM150-09	150
	MM175-09	175
	MM250-09	250
10	MM125-080-10	125
	MM150-080-10	150/175/200/250



Ricambi - Spare parts

MORSE DI PRECISIONE



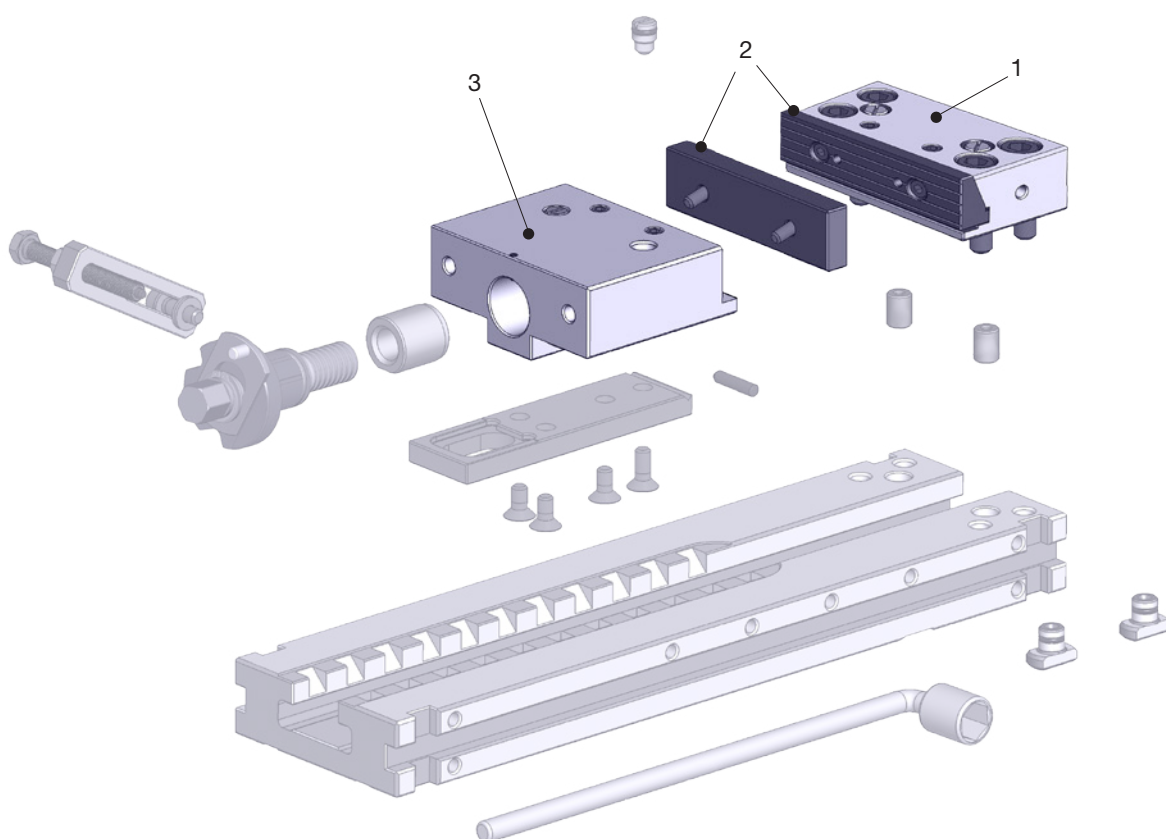
POS.	DENOMINATION	Q.TY
1	Porta ganasce Fixed jaws	1
2	Ganasce fisse Fixed jaws	2
3	Carro mobile Mobile jaws	1
4	Porta ganasce Pull down jaws	1
5	Ganasce discendenti Pull down jaws	2
6	Carro mobile Mobile jaws	1

POS.	CODE	SIZE (mm)
1	MDD125-010-01	125
	MDD150-010-01	150
	MDD175-010-01	175
	MDD200-010-01	200
	MDD250-010-01	250
2	MDD-02 *	125/150/175/200/250
3	MDD125-020-01	125
	MDD150-020-01	150
	MDD175-020-01	175
	MDD200-020-01	200
	MDD250-020-01	250

*N.B. vedi pag. 13

4	MII125-010-01	125
	MII150-010-01	150
	MII175-010-01	175
	MII200-010-01	200
	MII250-010-01	250
5	MII-02 **	125/150/175/200/250
6	MII125-020-01	125
	MII150-020-01	150
	MII175-020-01	175
	MII200-020-01	200
	MII250-020-01	250

**N.B. vedi pag. 14

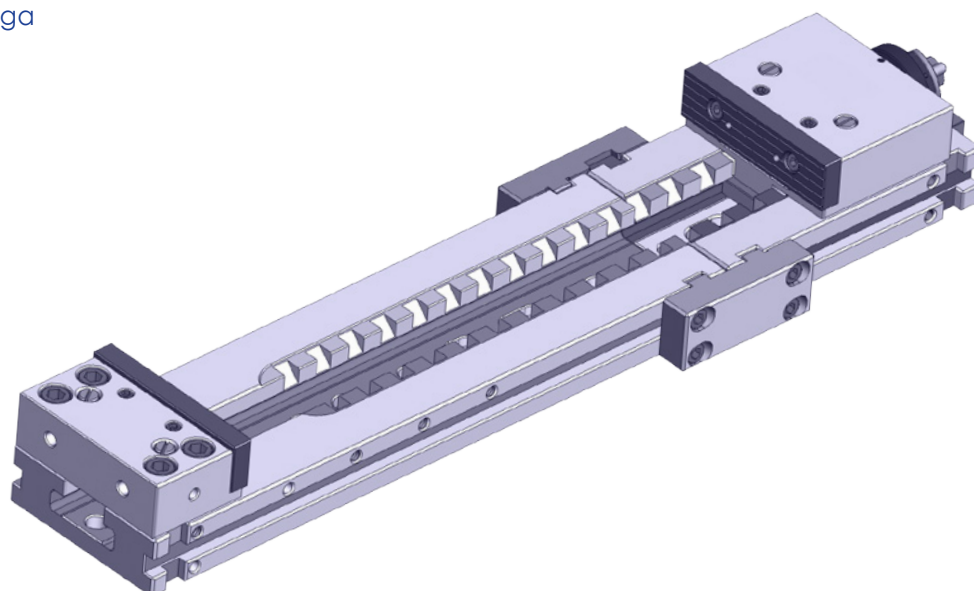


POS.	DENOMINATION	Q.TY
1	Porta ganasce con ganasce discendenti Pull down jaws	1
2	Ganasce fisse Fixed jaws	1
3	Carro mobile Mobile jaws	1

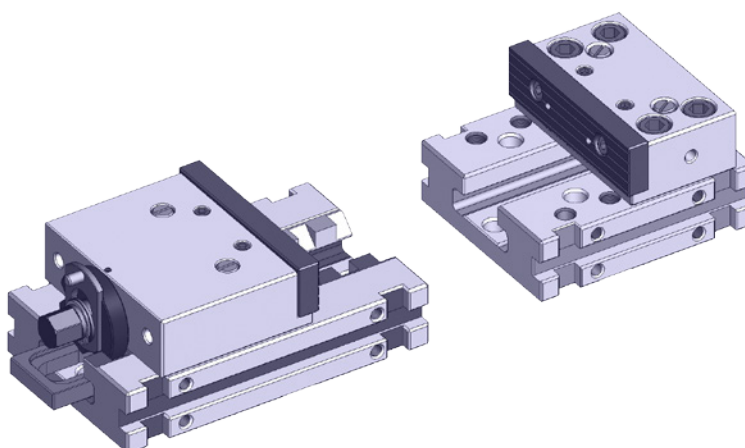
POS.	CODE	SIZE (mm)
1	MII125-010-01	125
	MII150-010-01	150
	MII175-010-01	175
	MII200-010-01	200
	MII250-010-01	250
2	MDD-02 *	125/150/175/200/250
3	MDD125-020-01	125
	MDD150-020-01	150
	MDD175-020-01	175
	MDD200-020-01	200
	MDD250-020-01	250

*N.B. vedi pag. 15

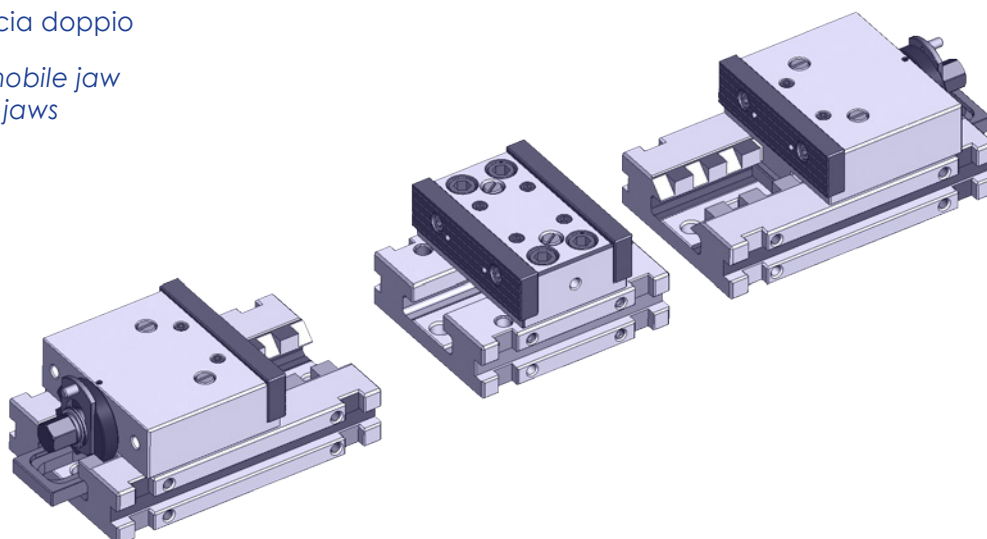
Morsa con modulo di prolunga
Vice with extension module



Modulo di prolunga con carro e
 modulo con portaganascia
*Extension module with mobile jaw
 and module with jaws*



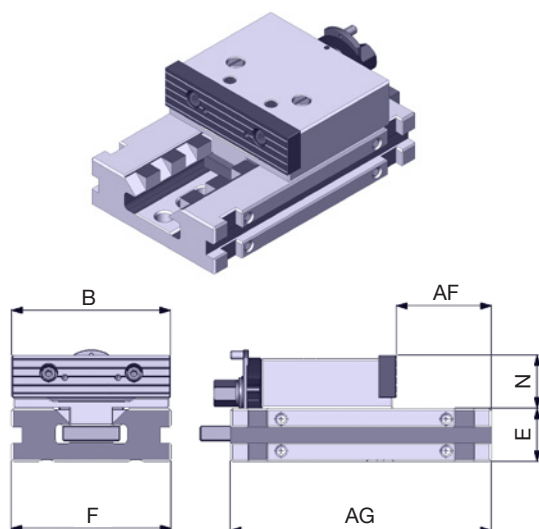
Moduli di prolunga con carro e
 modulo con portaganascia doppio
*Extension modules with mobile jaw
 and double module with jaws*



MODULO DI PROLUNGA CON CARRO
EXTENSION MODULE WITH MOBILE JAW

► Code

MPC

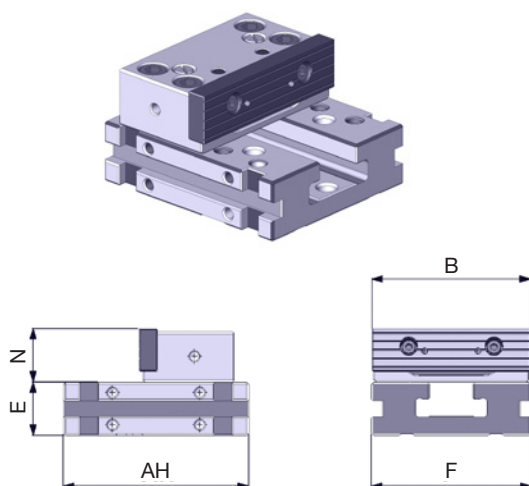


CODE	Tipo Type	B	E -0.005 -0.020	F	N	AF	AG	kg
		mm	mm	mm	mm	mm		
MPCD125-010	125 DD	124	40	125	40	55	210	11,0
MPCD150-010	150 DD	149	50	150	50	65	245	18,6
MPCD175-010	175 DD	174	58	175	60	120	312	31,5
MPCD200-010	200 DD	200	58	175	60	120	312	33,0
MPCI125-010	125 II	124	40	125	40	55	210	11,0
MPCI150-010	150 II	149	50	150	50	65	245	18,6
MPCI175-010	175 II	174	58	175	60	120	312	31,5
MPCI200-010	200 II	200	58	175	60	120	312	33,0

MODULO CON PORTAGANASCIA
MODULE WITH FIXED JAWS

► Code

MPG

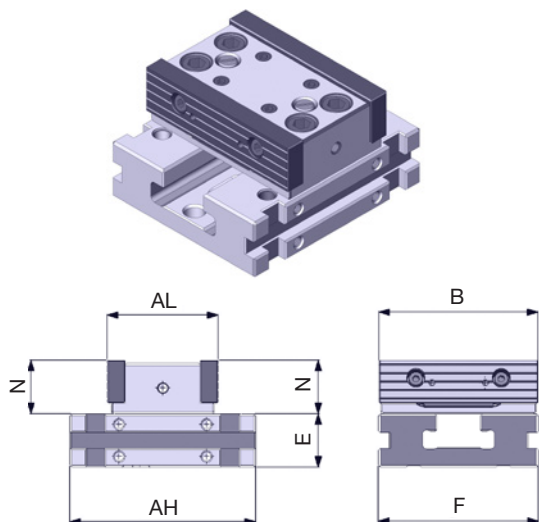


CODE	Tipo Type	B	E -0.005 -0.020	F	N	AH	kg
		mm	mm	mm	mm	mm	
MPGD125-010	125 DD	124	40	125	40	210	8,0
MPGD150-010	150 DD	149	50	150	50	174	11,0
MPGD175-010	175 DD	174	58	175	60	198	18,0
MPGD200-010	200 DD	200	58	175	60	198	19,0
MPGI125-010	125 II	124	40	125	40	210	8,0
MPGI150-010	150 II	149	50	150	50	174	11,0
MPGI175-010	175 II	174	58	175	60	198	18,0
MPGI200-010	200 II	200	58	175	60	198	19,0

MODULO CON PORTAGANASCIA DOPPIO
EXTENSION MODULE WITH MOBILE JAW

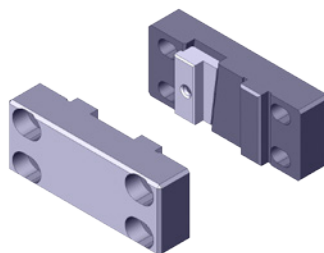
► Code

MPD



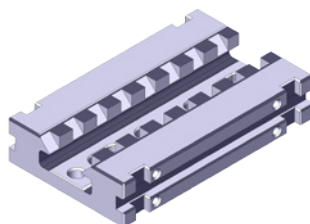
CODE	Tipo Type	B	E -0.005 -0.020	F	N	AF	AH	AL	kg
		mm	mm	mm	mm	mm	mm	mm	
MPDD125-010	125 DD	124	40	125	40	55	210	93	9,0
MPDD150-010	150 DD	149	50	150	50	65	174	104	12,0
MPDD175-010	175 DD	174	58	175	60	120	198	125	19,0
MPDD200-010	200 DD	200	58	175	60	120	198	125	20,0
MPDI125-010	125 II	124	40	125	40	55	210	93	9,0
MPDI150-010	150 II	149	50	150	50	65	174	104	12,0
MPDI175-010	175 II	174	58	175	60	120	198	125	19,0
MPDI200-010	200 II	200	58	175	60	120	198	125	20,0

Agganci di giunzione
morse e morse con moduli
Vice-vice and vice-module couplings



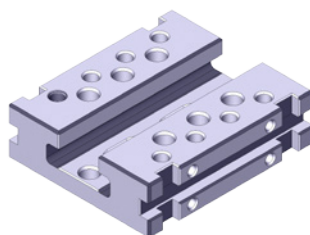
► Code	AMM
CODE	Misura Size
AMM125-010	125
AMM150-011	150
AMM175-012	175/200
AMM250-013	250

Modulo di prolunga portacarro
Extension module



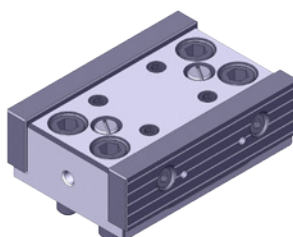
► Code	MPPC
CODE	Misura Size
MPPC125-170	125
MPPC150-170	150
MPPC175-170	175/200

Modulo di prolunga portaganascia
singolo/doppio
Single/double fixed jaw extension



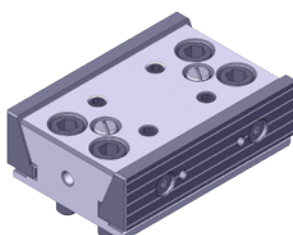
► Code	MPPG
CODE	Misura Size
MPPG125-160	125
MPPG150-160	150
MPPG175-160	175/200

Porta ganasce doppio DD
Double fixed jaw SP



► Code	MPGD
CODE	Misura Size
MPGD125-010	125
MPGD150-010	150
MPGD175-010	175
MPGD200-010	200

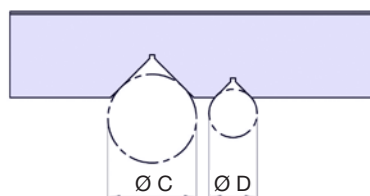
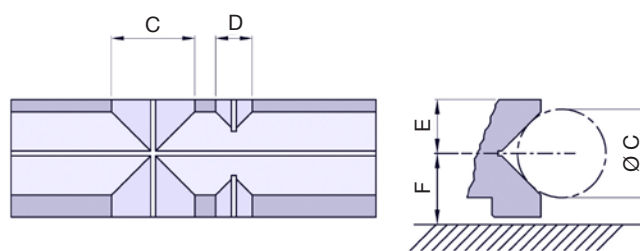
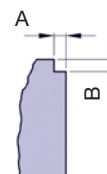
Porta ganasce doppio II
Double fixed jaw MP



► Code	MPGI
CODE	Misura Size
MPGI125-010	125
MPGI150-010	150
MPGI175-010	175
MPGI200-010	200

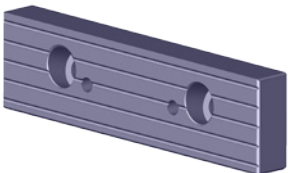
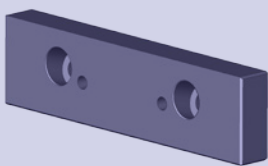
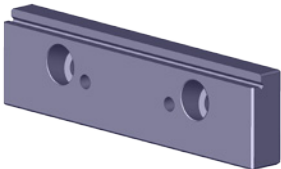
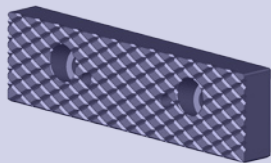
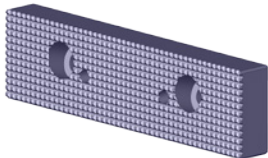
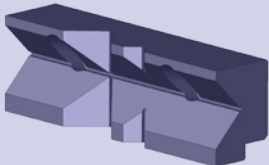
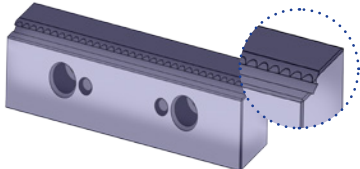
GANASCE PER MODULARI
JAWS FOR MODULAR VICES

Misura Size	A	B	C	D	Ø C		Ø D		E	F
					min	max	min	max		
125	4	4	30	15	13	43	6.5	20	18	22
150	5	5	34	15	15	46	6.5	20	22	28
175	5	5	45	25	19	62	11	35	27	33
200	5	5	45	25	19	62	11	35	27	33


 Tipo / Type
 3 - 7


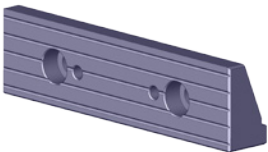
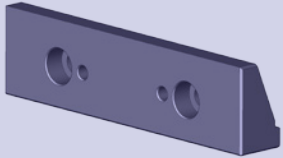
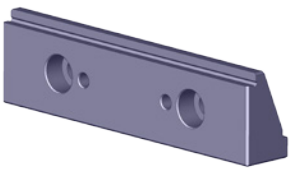
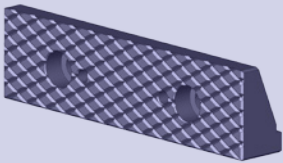
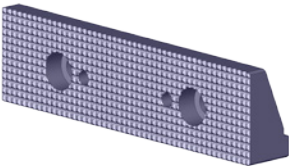
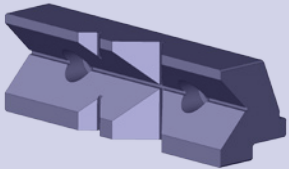
▶ Code

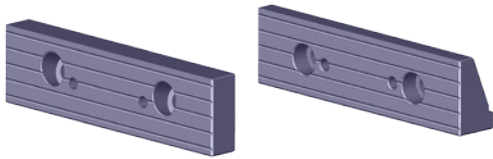
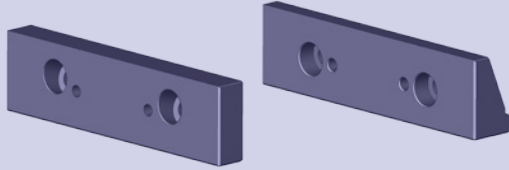
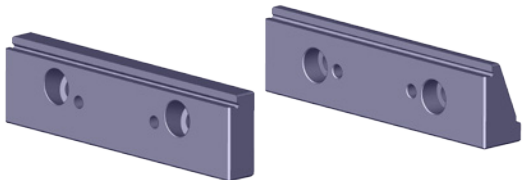
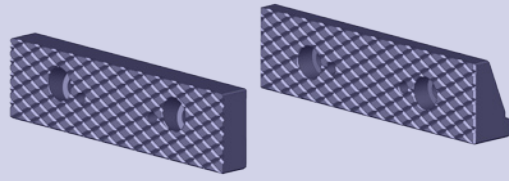
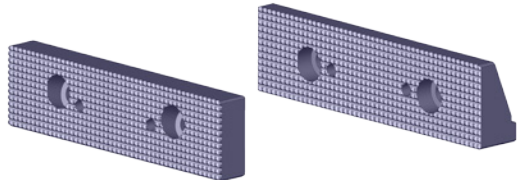
MRD

TIPO DI GANASCIA / JAW TYPE	DESCRIZIONE / DESCRIPTION	CODICE / CODE	MISURA / SIZE (mm)
1 	Ganascia normale rigata RD RD normal grooved jaw	MRD125-030	125 DD
		MRD150-030	150 DD
		MRD175-030	175 DD
		MRD200-030	200 DD
		MRD250-030	250 DD
2 	Ganascia liscia RD RD smooth jaw	MRD125-050	125 DD
		MRD150-050	150 DD
		MRD175-050	175 DD
		MRD200-050	200 DD
		MRD250-050	250 DD
3 	Ganascia a labbro abbassato RD RD stepped jaw	MRD125-040	125 DD
		MRD150-040	150 DD
		MRD175-040	175 DD
		MRD200-040	200 DD
4 	Ganascia zigrinata RD RD serrated jaw	MRD125-070	125 DD
		MRD150-070	150 DD
		MRD175-070	175 DD
		MRD200-070	200 DD
5 	Ganascia con dentini RD RD knurled jaw	MRD125-080	125 DD
		MRD150-080	150 DD
		MRD175-080	175 DD
		MRD200-080	200 DD
6 	Ganascia a "V" per corpi cilindrici RD RD "V" jaw for cylindrical workpieces	MRD125-060	125 DD
		MRD150-060	150 DD
		MRD175-060	175 DD
		MRD200-060	200 DD
7 	Ganascia con gradino e denti Toothed jaw with step	MRD125	125DD

► Code

MRI

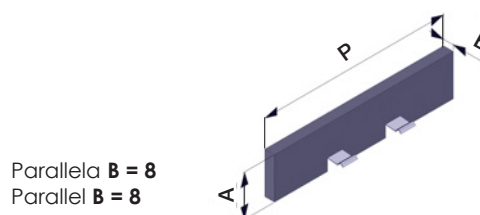
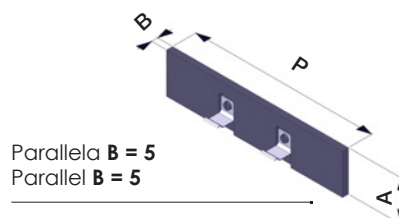
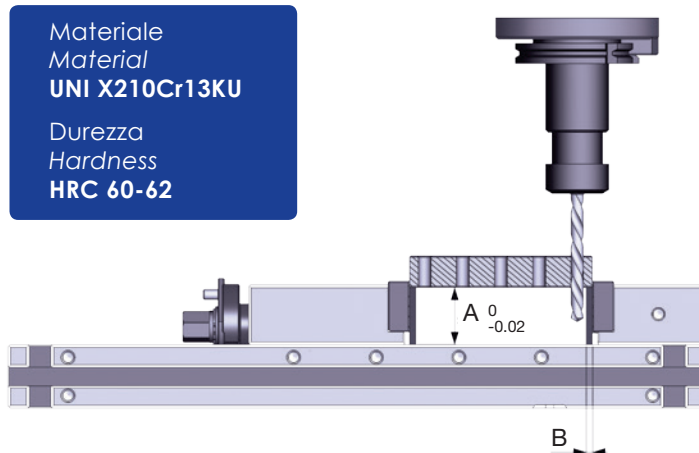
TIPO DI GANASCIA / JAW TYPE	DESCRIZIONE / DESCRIPTION	CODICE / CODE	MISURA / SIZE (mm)
1 	Ganascia normale rigata RI <i>RI normal grooved jaw</i>	MRI125-030	125 II
		MRI150-030	150 II
		MRI175-030	175 II
		MRI200-030	200 II
		MRI250-030	250 II
2 	Ganascia liscia RI <i>RI smooth jaw</i>	MRI125-050	125 II
		MRI150-050	150 II
		MRI175-050	175 II
		MRI200-050	200 II
		MRI250-050	250 II
3 	Ganascia a labbro abbassato RI <i>RI stepped jaw</i>	MRI125-040	125 II
		MRI150-040	150 II
		MRI175-040	175 II
		MRI200-040	200 II
4 	Ganascia zigrinata RI <i>RI serrated jaw</i>	MRI125-070	125 II
		MRI150-070	150 II
		MRI175-070	175 II
		MRI200-070	200 II
5 	Ganascia con dentini RI <i>RI knurled jaw</i>	MRI125-080	125 II
		MRI150-080	150 II
		MRI175-080	175 II
		MRI200-080	200 II
6 	Ganascia a "V" per corpi cilindrici RI <i>RI "V" jaw for cylindrical workpieces</i>	MRI125-060	125 II
		MRI150-060	150 II
		MRI175-060	175 II
		MRI200-060	200 II

TIPO DI GANASCIA / JAW TYPE	DESCRIZIONE / DESCRIPTION	CODICE / CODE	MISURA / SIZE (mm)
1 	Ganascia normale rigata $SP + MP = MS$ <i>SP + MP = MS normal grooved jaw</i>	MRDI125-030	125 DI
		MRDI150-030	150 DI
		MRDI175-030	175 DI
		MRDI200-030	200 DI
		MRDI250-030	250 DI
2 	Ganascia liscia $SP + MP = MS$ <i>SP + MP = MS smooth jaw</i>	MRDI125-050	125 DI
		MRDI150-050	150 DI
		MRDI175-050	175 DI
		MRDI200-050	200 DI
		MRDI250-050	250 DI
3 	Ganascia a labbro abbassato $SP + MP = MS$ $SP + MP = MS$ <i>stepped jaw</i>	MRDI125-040	125 DI
		MRDI150-040	150 DI
		MRDI175-040	175 DI
		MRDI200-040	200 DI
4 	Ganascia zigrinata $SP + MP = MS$ $SP + MP = MS$ <i>serrated jaw</i>	MRDI125-070	125 DI
		MRDI150-070	150 DI
		MRDI175-070	175 DI
		MRDI200-070	200 DI
5 	Ganascia con dentini $SP + MP = MS$ $SP + MP = MS$ <i>knurled jaw</i>	MRDI125-080	125 DI
		MRDI150-080	150 DI
		MRDI175-080	175 DI
		MRDI200-080	200 DI

PARALLELE PER MODULARI PARALLELS FOR MODULARS

Materiale
Material
UNI X210Cr13KU

Durezza
Hardness
HRC 60-62



Nuovo sistema di parallele temprate ad aggancio rapido. Si ha la possibilità di agganciare le parallele alle ganasce in modo preciso e sicuro, di sostituirle rapidamente con altre. Disponibili anche tenere.

New patented system of quick-positioning hardened parallels.
Setting up or changing parallels is easy and accurate.
Soft parallels are also available.

PARALLELE IN COPPIA / PARALLEL PAIRS

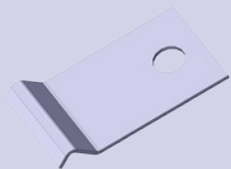
Code	MP
CODE	Misura Size
MP125-345	F=125 B=5
MP125-295	
MP125-245	
MP125-348	F=125 B=8
MP125-298	
MP125-248	
MP150-445	F=150 B=5
MP150-395	
MP150-345	
MP150-295	
MP150-245	
MP150-448	F=150 B=8
MP150-398	
MP150-348	
MP150-298	
MP150-248	

CODE	Misura Size
MP175-545	F=175 B=5
MP175-495	
MP175-445	
MP175-395	
MP175-345	
MP175-295	
MP175-548	F=175 B=8
MP175-498	
MP175-448	
MP175-398	
MP175-348	
MP175-298	
MP175-248	

CODE	Misura Size
MP200-545	F=200 B=5
MP200-495	
MP200-445	
MP200-395	
MP200-345	
MP200-295	
MP200-548	F=200 B=8
MP200-498	
MP200-448	
MP200-398	
MP200-348	
MP200-298	
MP200-248	
MP250-648	F=250 B=8
MP250-598	
MP250-548	
MP250-498	
MP250-448	
MP250-398	
MP250-348	
MP250-298	
MP250-248	

*N.B. Per misura F vedi disegni pag. 13

Accessori per parallele - Spare parts for parallels

TYPE	DESCRIPTION	CODE	SIZE (mm)
	Molla per parallele Spring for parallels	MP150-005	5
	Molla per parallele Spring for parallels	MP150-008	8
	Vite per molle parallele spessore 5 Screw for spring parallels thickness 5	MP03X003	3x2,8

SET PARALLELE / PARALLEL SET

► Code **MP125**

CODE	DESCRIPTION	MODEL	SIZE (mm)		
			A	B	P
MP125-005	Composizione 2 pz. Content 2 pcs.	MP125-345	34	5	123
		MP125-295	29	5	123
MP125-008	Composizione 3 pz. Content 3 pcs.	MP125-348	34	8	123
		MP125-298	29	8	123
		MP125-248	24	8	123
MP125-305	Composizione 3 pz. Content 3 pcs.	MP125-345	34	5	123
		MP125-295	29	5	123
		MP125-245	24	5	123

► Code **MP150**

CODE	DESCRIPTION	MODEL	SIZE (mm)		
			A	B	P
MP150-005	Composizione 4 pz. Content 4 pcs.	MP150-445	44	5	148
		MP150-395	39	5	148
		MP150-345	34	5	148
		MP150-295	29	5	148
MP150-008	Composizione 5 pz. Content 5 pcs.	MP150-448	44	8	148
		MP150-398	39	8	148
		MP150-348	34	8	148
		MP150-298	29	8	148
		MP150-248	24	8	148
MP150-505	Composizione 5 pz. Content 5 pcs.	MP150-445	44	5	148
		MP150-395	39	5	148
		MP150-345	34	5	148
		MP150-295	29	5	148
		MP150-245	24	5	148

► Code

MP175



CODE	DESCRIPTION	MODEL	SIZE (mm)		
			A	B	P
MP175-005	Composizione 6 pz. Content 6 pcs.	MP175-545	54	5	173
		MP175-495	49	5	173
		MP175-445	44	5	173
		MP175-395	39	5	173
		MP175-345	34	5	173
		MP175-295	29	5	173
MP175-008	Composizione 7 pz. Content 7 pcs.	MP175-548	54	8	173
		MP175-498	49	8	173
		MP175-448	44	8	173
		MP175-398	39	8	173
		MP175-348	34	8	173
		MP175-298	29	8	173
		MP175-248	24	8	173

► Code

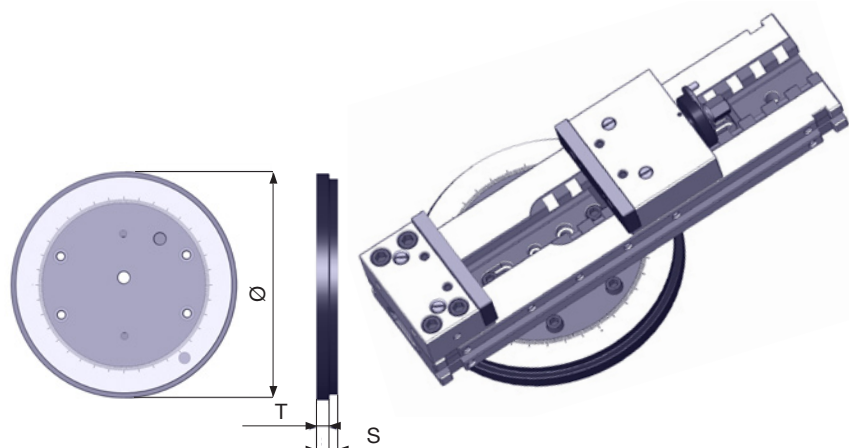
MP200



CODE	DESCRIPTION	MODEL	SIZE (mm)		
			A	B	P
MP200-005	Composizione 6 pz. Content 6 pcs.	MP200-545	54	5	198
		MP200-495	49	5	198
		MP200-445	44	5	198
		MP200-395	39	5	198
		MP200-345	34	5	198
		MP200-295	29	5	198
MP200-008	Composizione 7 pz. Content 7 pcs.	MP200-548	54	8	198
		MP200-498	49	8	198
		MP200-448	44	8	198
		MP200-398	39	8	198
		MP200-348	34	8	198
		MP200-298	29	8	198
		MP200-248	24	8	198

Base girevole - Swivel base

Modulare con base girevole
Modular unit with swivel base

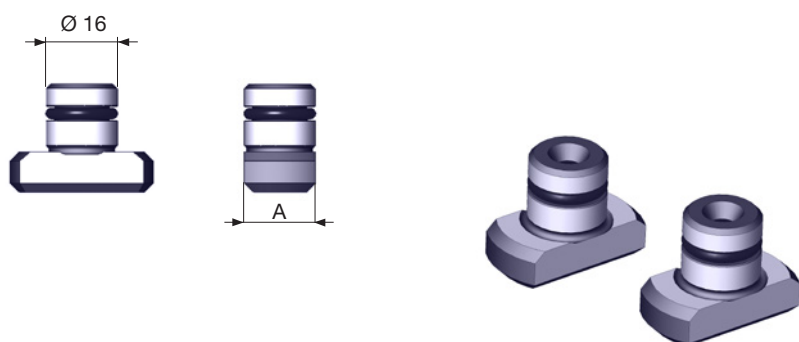


► Code

MB

CODE	Misura Size	Ø	S	T	kg
		mm	mm	mm	
MB125-010	125	310	30	15	19,1
MB150-010	150	310	29	17,5	18,6
MB175-010	175/200	356	33	20	25,4

Tasselli cava - Slot nuts



► Code

TCA

Misura Size	A
	mm
TCA012-020	12
TCA014-020	14
TCA016-020	16
TCA018-020	18
TCA020-020	20
TCA022-020	22

Tasselli cilindrici - Cylindrical nuts

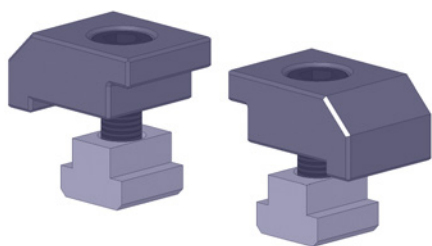


► Code

TCI

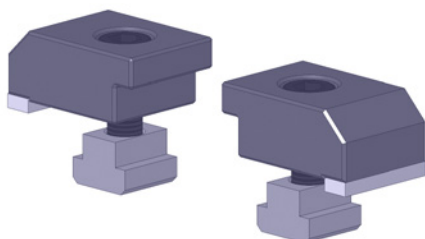
Misura Size	Ø A
	mm
TCI012-030	12
TCI014-030	14
TCI016-030	16
TCI018-030	18
TCI020-030	20
TCI022-030	22

Staffe laterali normali
Standard side clamps



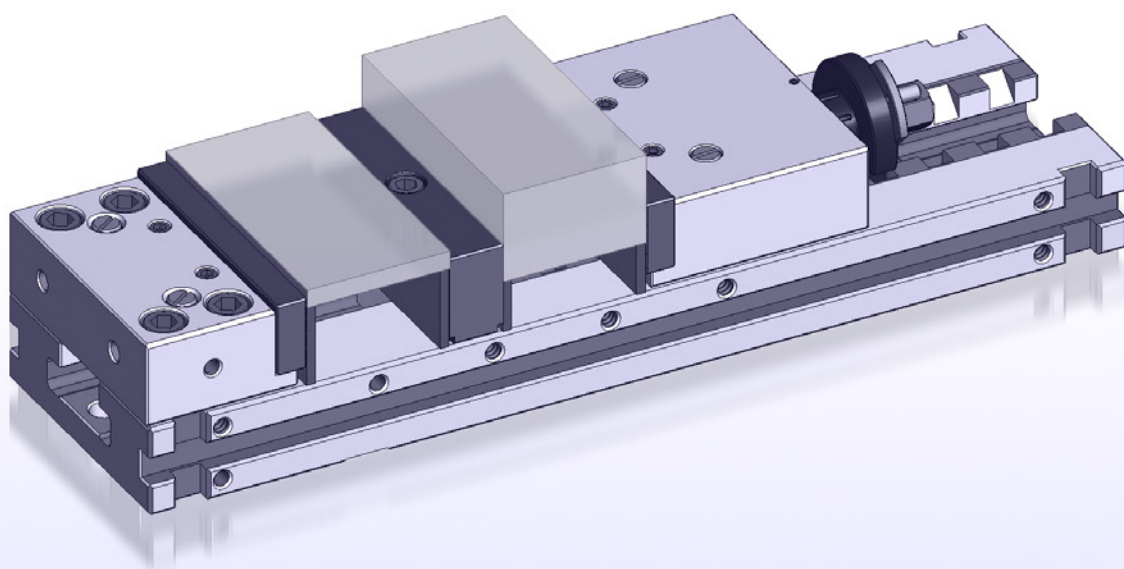
► Code	SLN
Misura Size	Ø
	mm
SLN125-000	125
SLN150-000	150
SLN175-000	175/200/250

Staffe laterali per banchine tenere
Side clamps for soft pallet clamps



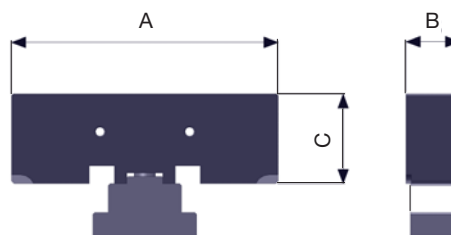
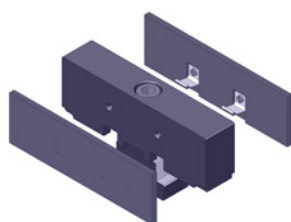
► Code	SLT
Misura Size	Ø
	mm
SLT125-100	125
SLT150-100	150
SLT175-100	175/200/250

GANASCIA MOBILE INTERMEDIA INTERMEDIATE MOBILE JAW



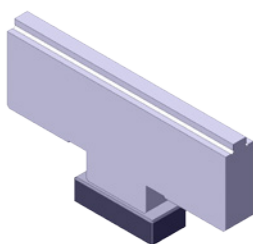
Con la ganascia intermedia è possibile utilizzare le comode PARALLELE "IR" e sfruttare la loro flessibilità, bloccando pezzi di altezze differenti.

With the intermediate mobile jaw is possible to use the IR parallels; thanks to their flexibility it is possible to clamp pieces with different heights.



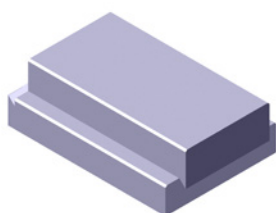
Code	Tipo Type	A	B	C
		mm	mm	mm
GI125-240	125	124	30	40
GI150-240	150	149	30	50
GI175-240	175	174	30	60
GI200-240	200	199	30	60
GI250-240	250	249	30	70

Ganascia mobile intermedia con ribasso
Stepped intermediate mobil jaw



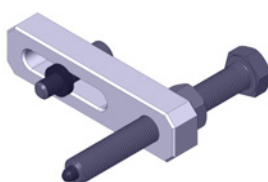
► Code	GIR
Code	Tipo Type
GIR125-210	125
GIR150-210	150
GIR175-210	175
GIR200-210	200

Protezioni guide
Guide protection



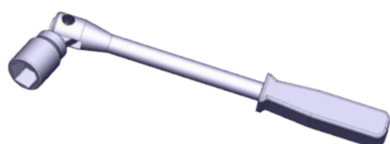
► Code	PG
Code	Tipo Type
PG125-240	125
PG150-240	150
PG175-240	175/200

Fermo laterale
Workpiece side stop



► Code	FL
Code	Tipo Type
FL125-080	125
FL150-080	150/175 200/250

Chiave snodata
Universal socket wrench



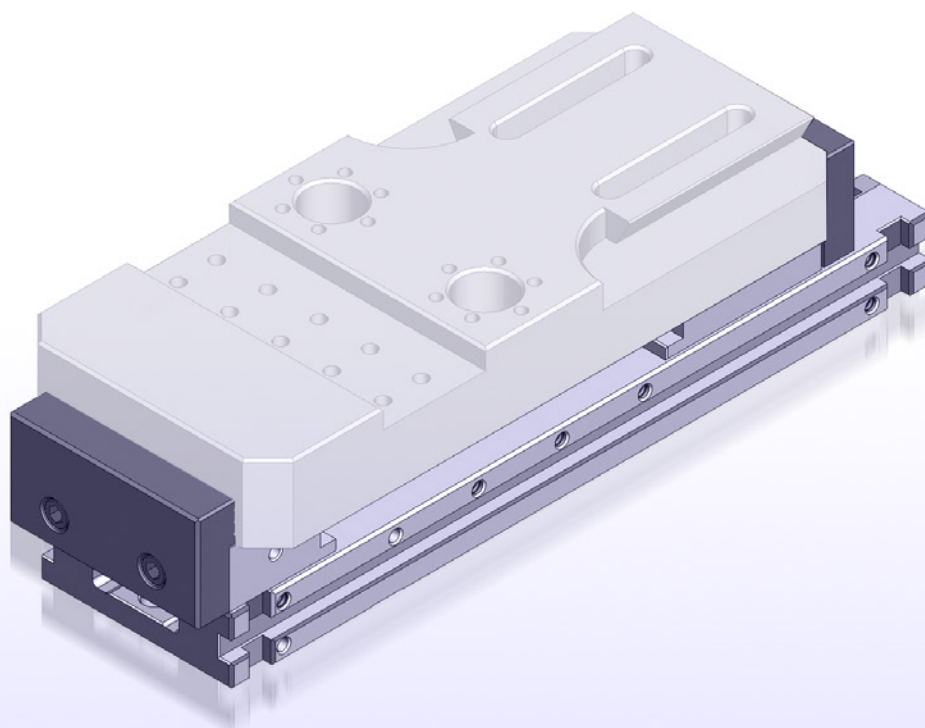
► Code	CS
Code	Tipo Type
CS19	125
CS22	150
CS27	175/200/250

Chiave fissa
Fixed wrench



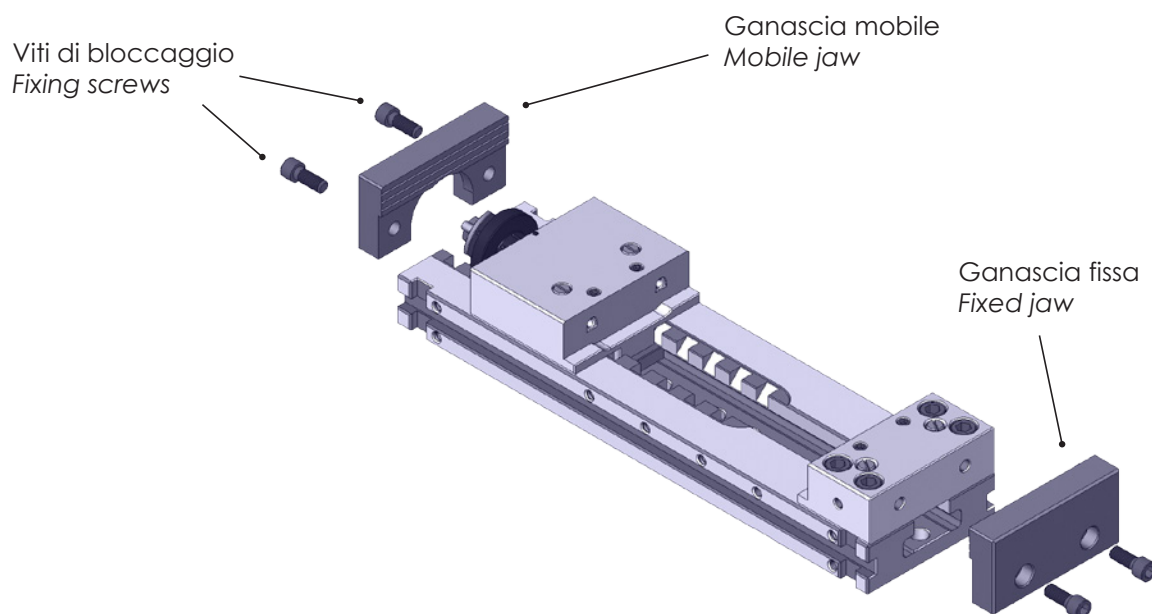
► Code	CF
Code	Tipo Type
CF19	125
CF22	150
CF27	175/200/250

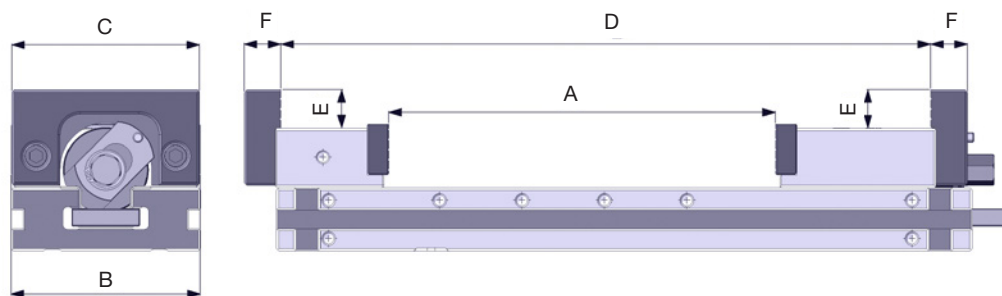
GANASCE GRANDI APERTURE JAWS WITH WIDE OPENING



Tutte i modelli di morse sono predisposti per ganasce di grandi aperture adatte al bloccaggio di piastre. Grazie a queste ganasce è possibile sfruttare tutta la lunghezza della morsa.

All modular vices are fitted for wide opening jaws for clamping plates. Thanks to these jaws it is possible to make use of the total length of the vice.



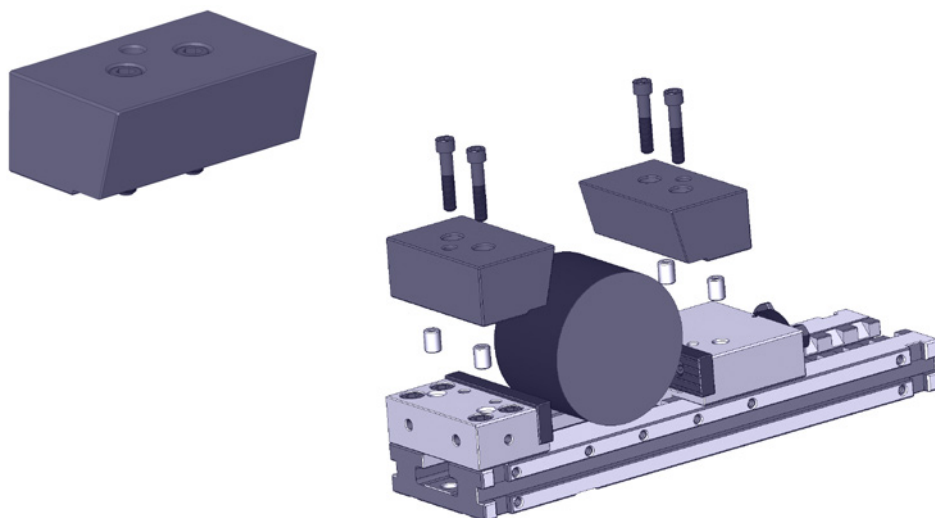


CODE	Tipo Type	A	B	C	D (min)	D (max)	E
		mm	mm	mm	mm	mm	mm
GG125-200	125x150	155	124	123	196	349	25
	125x250	255	124	123	196	449	25
GG150-200	150x200	205	149	148	208	412	30
	150x250	255	149	148	208	462	30
	150x300	305	149	148	208	512	30
	150x400	405	149	148	208	612	30
	150x500	505	149	148	208	712	30
GG175-200	175x300	305	174	173	258	562	30
	175x400	405	174	173	258	662	30
	175x500	505	174	173	258	762	30
GG200-200	200x300	305	200	198	258	562	30
	200x400	405	200	198	258	662	30
	200x500	505	200	198	258	762	30
GG250-200	250x400	407	250	248	288	692	30

Sovraganasce tenere - Soft top-mounted jaws

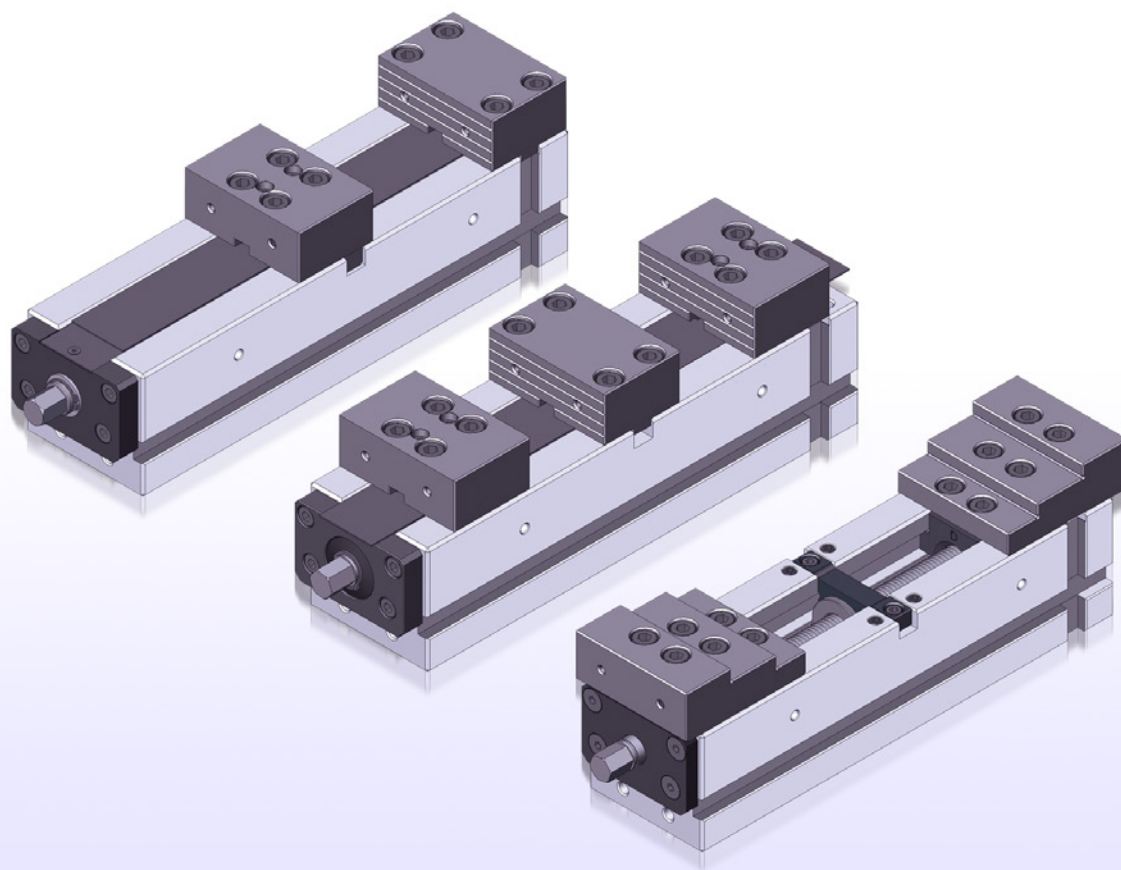
Tutte le morse modulari sono predisposte per sovragnasce in grado di risolvere qualsiasi problema di bloccaggio.

All modular vices accept top-mounted jaws, to clamp tall workpieces



CODE	Misura Size
SG125-030	125 - H30
SG125-040	125 - H40
SG125-050	125 - H50
SG150-040	150 - H40
SG150-050	150 - H50
SG150-060	150 - H60
SG175-040	175 - H40
SG175-050	175 - H50
SG175-060	175 - H60
SG200-040	200 - H40
SG200-050	200 - H50
SG200-060	200 - H60

**MORSE SEMPLICI,
DOPPIE E
AUTOCENTRANTI
SINGLE, DOUBLE,
SELF-CENTERING VICES**



Morse costruite interamente in acciaio NiCrMo cementato e temperato, durezza HRC 60/62.

CARATTERISTICHE:

- Completamente rettificate, con tolleranze centesimali. Struttura alta e compatta per poter lavorare su tutti i lati, anche in verticale.
- Dimensioni contenute nonostante le grandi aperture.
- Possibilità di comporre le morse in varie versioni; semplice, doppia, autocentrante, con la possibilità di bloccare il pezzo sia in chiusura che in apertura.
- Lo stesso slittone fa da base a tutte le varie trasformazioni possibili.

Entirely made of NiCrMo case-hardened and tempered steel, with a hardness of HRC 60/62.

FEATURES:

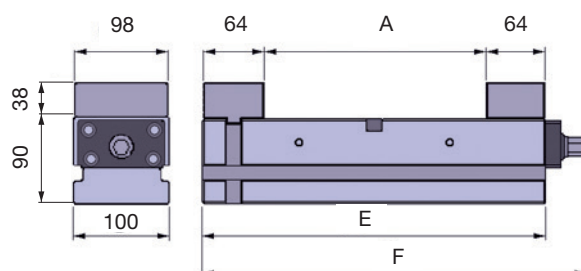
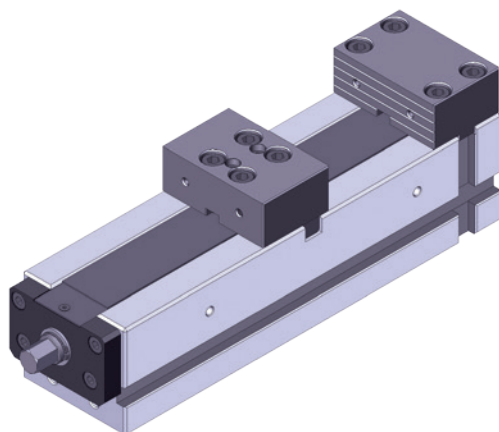
- *Completely ground with centesimal tolerances.*
- *High and compact structure allowing to machine the workpiece on all sides, even vertically.*
- *Limited dimensions despite the wide opening.*
- *The vice can be arranged in different ways: single, double, self-centring with the possibility of clamping the workpiece both during closing and opening.*
- *The same body can be used for all versions.*

Versione semplice / Simple version

CON GANASCE LISCE E RIGATE
WITH SMOOTH AND GROOVED JAWS

È possibile utilizzare le due facce della ganaschia mobile, il lato con la rigatura è adatto per i pezzi grezzi, il lato liscio per i pezzi finiti.

It is possible to use both faces of the movable jaw, the grooved face is suitable for raw workpieces, the smooth face for finished workpieces.



► Code

MS

Tipo Type	A	E	F	kg
	mm	mm	mm	
MS100-254	124	250	307	20,0
MS100-364	238	364	407	26,0
MS100-464	338	464	507	32,0
MS100-564	438	564	607	38,0

CON GANASCE A "V" E RIBASSO
WITH "V" AND STEPPED JAWS

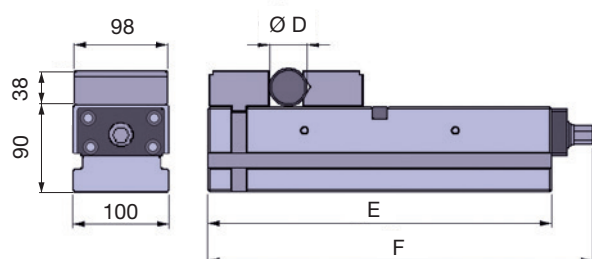
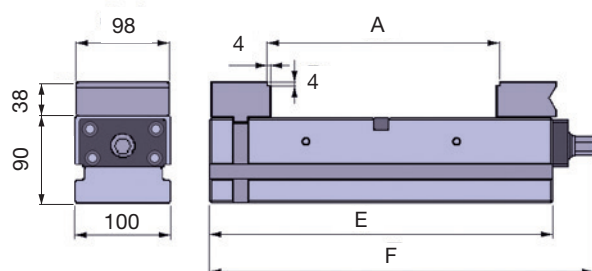
È possibile utilizzare le due facce della ganaschia mobile, il lato con il ribasso ed il lato opposto con la "V" orizzontale e verticale per i pezzi tondi.

It is possible to use both faces of the movable jaw, the stepped face and the prismatic face for round workpieces.

► Code

SGV

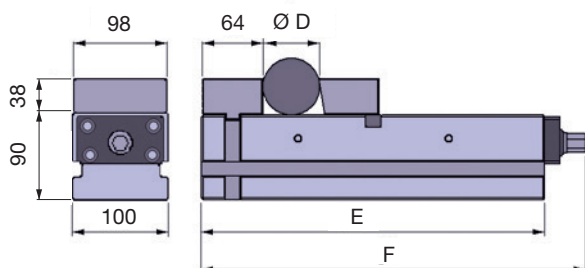
Tipo Type	A	D min	D max	E	F	kg
	mm	mm	mm	mm	mm	
SGV100-256	132	10	40	250	307	20,0
SGV100-366	246	10	40	364	407	26,0
SGV100-466	346	10	40	464	507	32,0
SGV100-566	446	10	40	564	607	38,0



CON GANASCE INCLINATE E LISCE
WITH INCLINED AND SMOOTH JAWS

È possibile utilizzare le due facce della ganascia mobile, il lato inclinato per i pezzi tondi ed il lato opposto per i pezzi lisci.

It is possible to use both faces of the movable jaw, the inclined face for round workpieces and the opposite face for smooth workpieces.



► Code

SGI

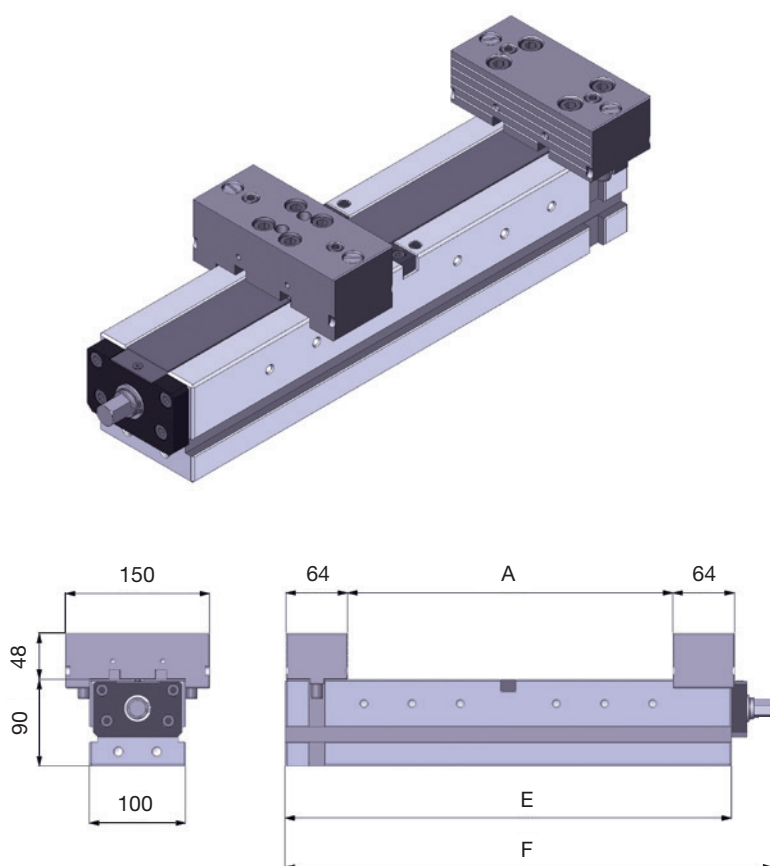
Tipo Type	A	D min	D max	E	F	kg
	mm	mm	mm	mm	mm	
SGI100-258	124	10	60	250	307	20.0
SGI100-368	238	10	60	364	407	26.0
SGI100-468	338	10	60	464	507	32.0
SGI100-568	438	10	60	564	607	38.0

Versione semplice 150 / Simple version 150

► Code

S150

Tipo Type	A	E	F	kg
	mm	mm	mm	
S100-270	124	250	307	24.3
S100-370	238	364	407	29.8
S100-470	338	464	507	35.3
S100-570	438	564	607	40.8



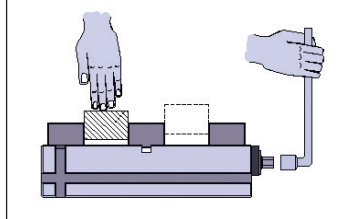
Versione doppia / Double version

Nella versione doppia della morsa è sufficiente l'intervento di un solo operatore per bloccare entrambe i pezzi.

It is possible to use both faces of the movable jaw, the grooved face is suitable for raw workpieces, the smooth face for finished workpieces.

FASE
STEP

1

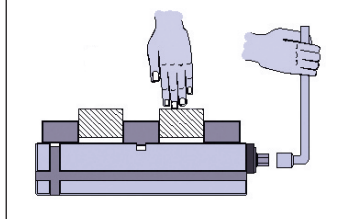


Montare il pezzo 1 tenendolo fermo, avvitare la vite fino a prebloccare il pezzo in modo che non si muova.

Set up the piece no. 1 keeping it blocked. Screw till the pre-clamping of the piece. It must not move.

FASE
STEP

2



Montare il pezzo 2 tenendolo fermo, avvitare la vite fino a bloccare saldamente i due pezzi.

Set up the piece 2 keeping it blocked. Screw in order to clamp firmly the two pieces.

CON GANASCE LISCE E RIGATE
WITH SMOOTH AND GROOVED JAWS

Versione con ganascia centrale liscia
Type with central smooth jaw

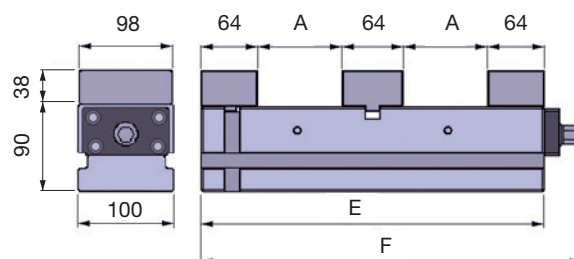
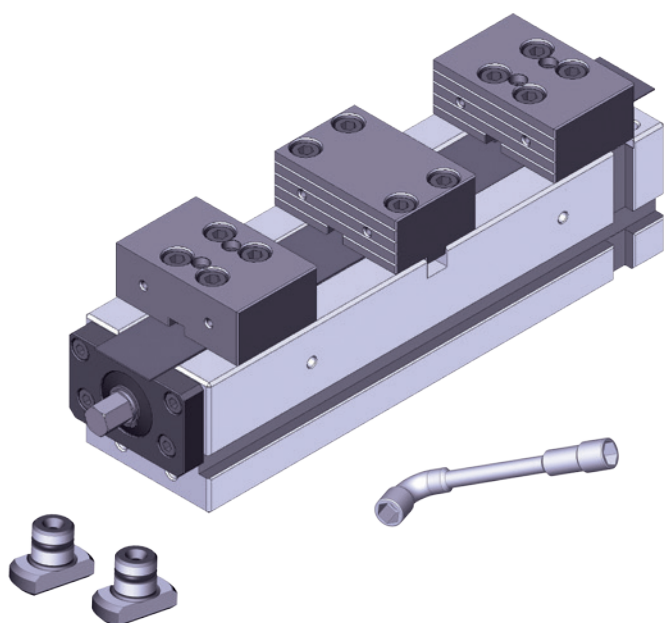
È possibile utilizzare le due facce della ganascia mobile, il lato con la rigatura è adatto per i pezzi grezzi, il lato liscio per i pezzi finiti.

It is possible to use both faces of the movable jaw, the grooved face is suitable for raw workpieces, the smooth face for finished workpieces.

► Code

MDL

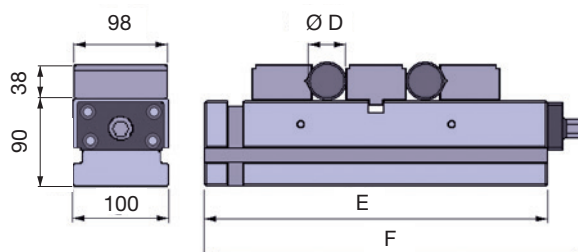
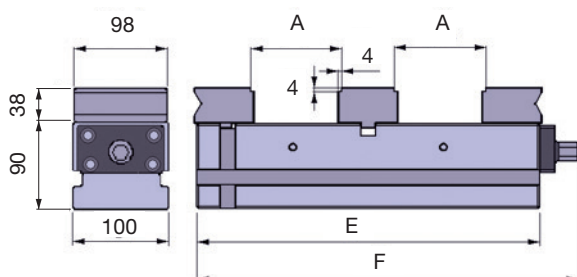
Tipo Type	A	E	F	kg
	mm	mm	mm	
MDL100-364	89	364	407	29,0
MDL100-365	89	364	407	29,0
MDL100-464	139	464	507	35,0
MDL100-465	139	464	507	35,0
MDL100-564	189	564	607	41,0



CON GANASCE A "V" E RIBASSO WITH "V" AND STEPPED JAWS

È possibile utilizzare le due facce della ganaschia mobile, il lato con il ribasso ed il lato opposto con la "V" orizzontale e verticale per i pezzi tondi.

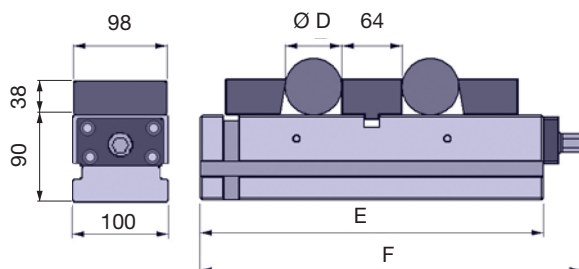
It is possible to use both faces of the movable jaw, the stepped face and the prismatic face for round workpieces.



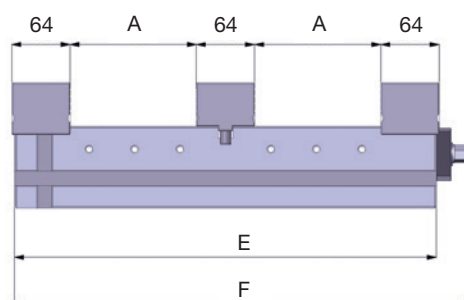
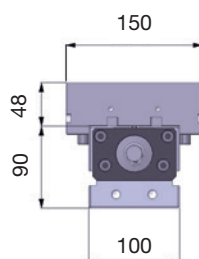
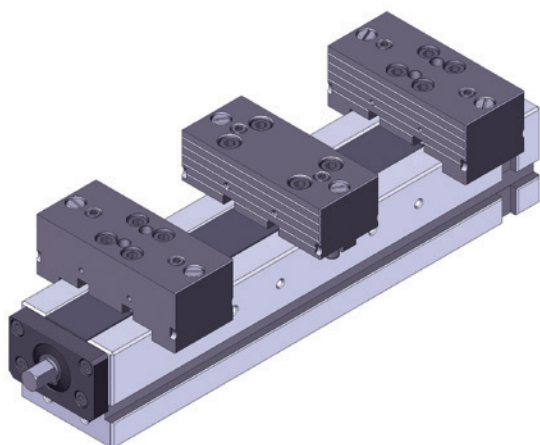
CON GANASCE INCLINATE E LISCE WITH INCLINED AND SMOOTH JAWS

È possibile utilizzare le due facce delle ganasche mobili, il lato inclinato per i pezzi tondi ed il lato opposto per i pezzi lisci.

It is possible to use both faces of movable jaws, the inclined face for round workpieces and the opposite face for smooth workpieces.



Versione doppia 150 / Double version 150



► Code

MDV

Tipo Type	A	D min	D max	E	F	kg
	mm	mm	mm	mm	mm	
MDV100-366	97	10	40	364	407	29,0
MDV100-466	147	10	40	464	507	35,0
MDV100-566	197	10	40	564	607	41,0

► Code

MDI

CODE	A	D min	D max	E	F	kg
	mm	mm	mm	mm	mm	
MDI100-368	89	10	60	364	407	29,0
MDI100-468	139	10	60	464	507	35,0
MDI100-568	189	10	60	564	607	41,0

► Code

D150

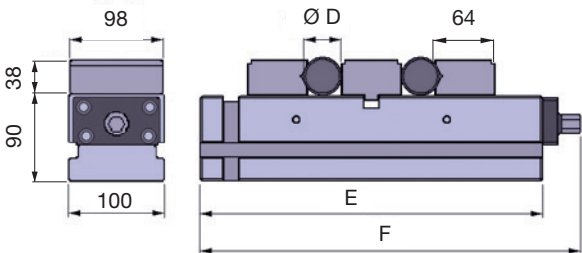
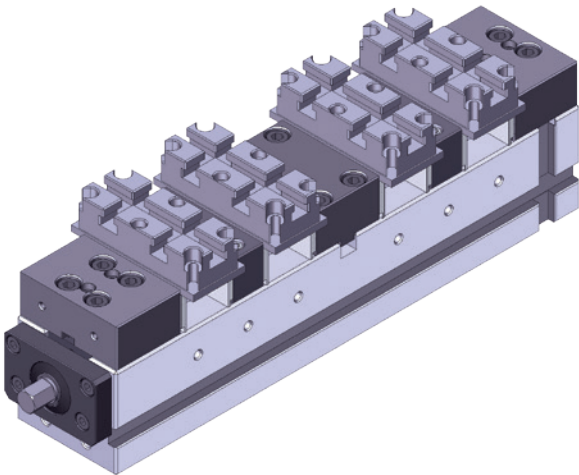
Tipo Type	A	E	F	kg
	mm	mm	mm	
D100-370	89	364	407	34,5
D100-470	139	464	507	40,0
D100-570	189	564	607	46,5

CON GANASCE INCLINATE E LISCE
WITH INCLINED AND SMOOTH JAWS

È possibile utilizzare le due facce della ganasce mobile, il lato inclinato per i pezzi tondi ed il lato opposto per i pezzi lisci.
It is possible to use both faces of the movable jaw, the inclined face for round workpieces and the opposite face for smooth workpieces.

► Code	DGI
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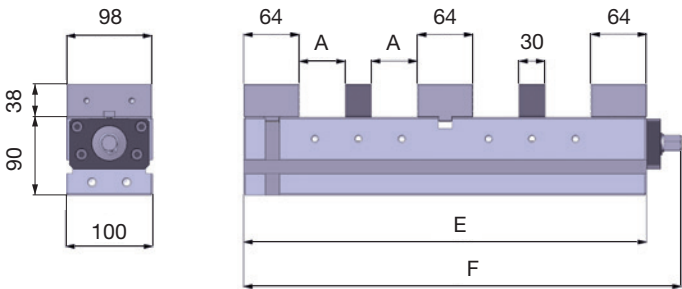
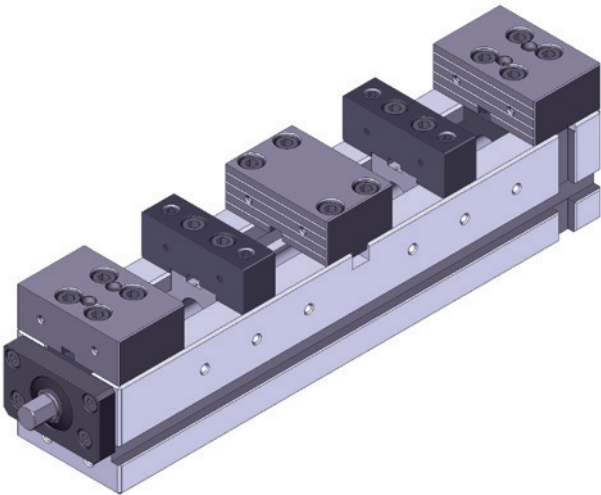
Tipo Type	A	D min	D max	E	F	kg
	mm	mm	mm	mm	mm	
DGI100-368	89	10	60	364	407	29.0
DGI100-468	139	10	60	464	507	35.0
DGI100-568	189	10	60	564	607	41.0



Versione 4 pezzi / 4-piece version

► Code	DP4
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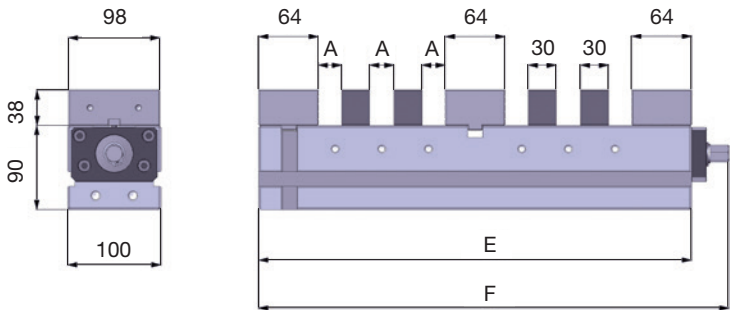
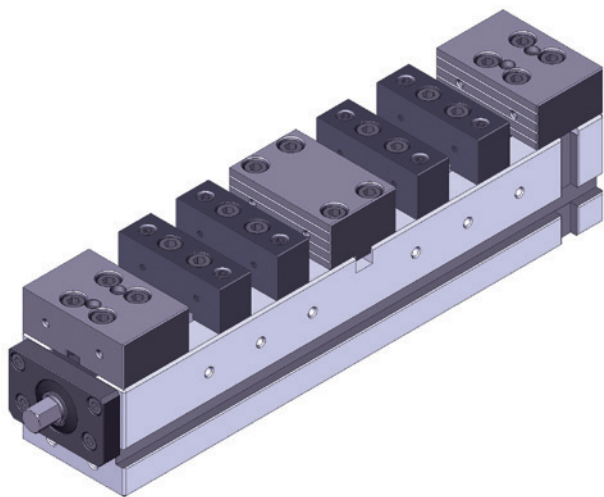
Tipo Type	A	E	F	kg
	mm	mm	mm	
DP4100-371	28	364	407	31,2
DP4100-471	53	464	507	37,2
DP4100-571	78	564	607	43,0



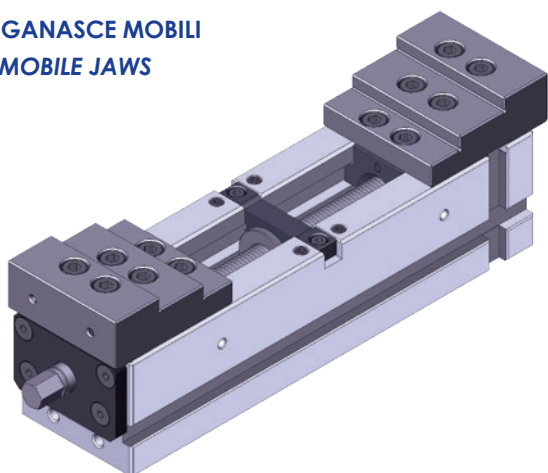
Versione 6 pezzi / 6-piece version

► Code	DP6
--------	-----

Tipo Type	A	E	F	G	kg
	mm	mm	mm	mm	
DP6100-472	25	464	507	38	39,4
DP6100-572	42	564	607	38	45,4



Versione autocentrante / Self-centring version

CON GANASCE MOBILI
WITH MOBILE JAWS

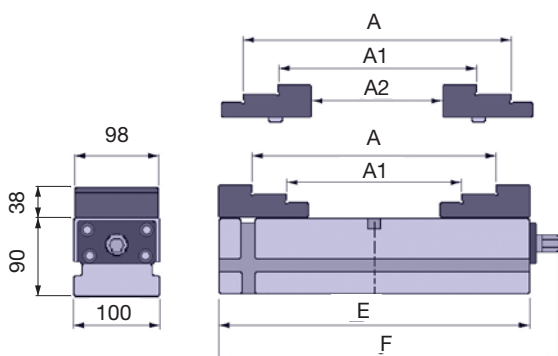
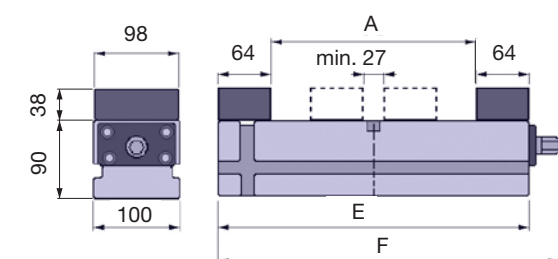
Il pezzo viene posizionato centralmente alla morsa senza nessun riferimento esterno. E' possibile utilizzare le ganasce anche dal lato opposto.

To centre a piece with no need of any external reference. Jaws can be used on both sides.

► Code

AM

CODE	A	E	F	kg
	mm	mm	mm	
AM100-255	124	250	307	22,0
AM100-365	238	364	407	28,0
AM100-465	338	464	507	34,0
AM100-565	438	564	607	40,0



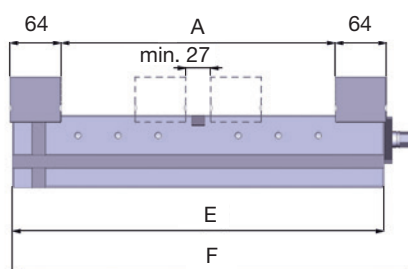
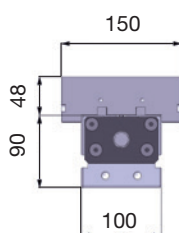
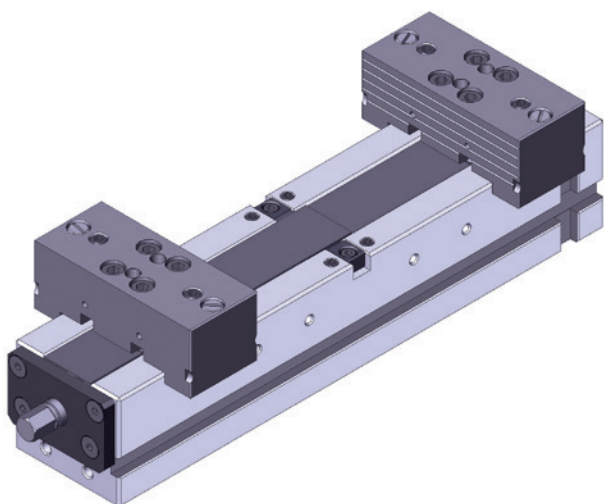
CODE	A	A1	A2	E	F	kg
	mm	mm	mm	mm	mm	
AM100-364	312	232	152	364	407	29,0
AM100-464	412	332	252	464	507	35,0
AM100-564	512	432	352	564	607	41,0

Versione 150 / Version 150

► Code

A150

Tipo Type	A	E	F	kg
	mm	mm	mm	
A100-270	124	250	307	24.5
A100-370	238	364	407	30.0
A100-470	338	464	507	35.5
A100-570	438	564	607	41.0



PARALLELE "IR" AD INNESTO RAPIDO
PATENTED QUICK-POSITIONING "IR" PARALLELS

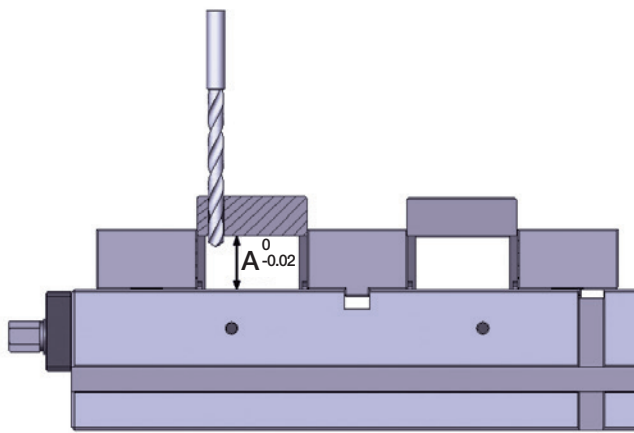
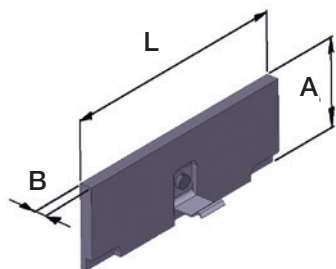
Disponibili anche tenere.
 Soft also available.

Misure parallele standard, a richiesta si esegue qualsiasi tipo di parallele.

Standard parallel size; other sizes are available on request.

MATERIALE UNI X210Cr13KU
 MATERIAL UNI X210Cr13KU

DUREZZA HRC 60-62
 HARDNESS HRC 60-62

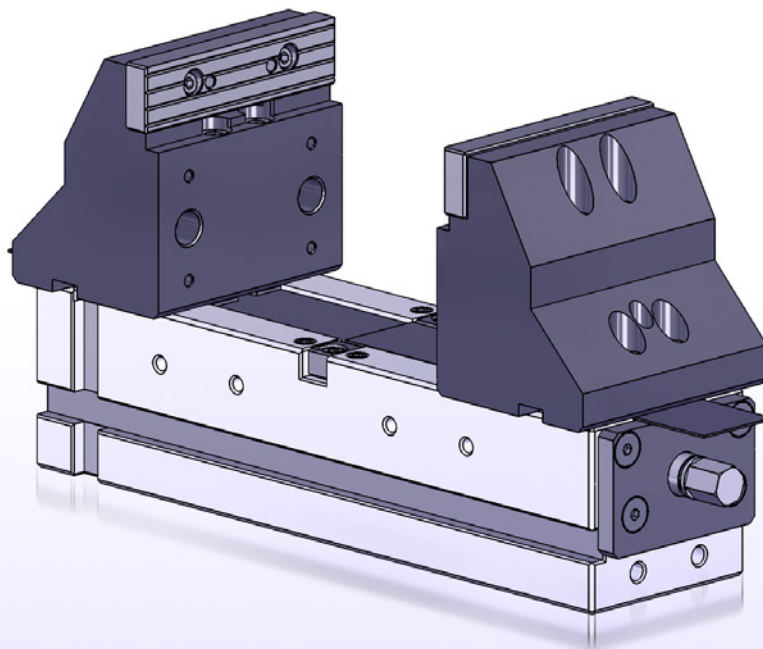


► Code

P-IR

Composizione Content	Code	Tipo / Type		
		A	B	L
3 PZ. / PCS.	P-IR100-345	34	5	98
	P-IR100-295	29	5	98
	P-IR100-245	24	5	98

MORSE AUTOCENTRANTI 5 ASSI 5 AXIS SELF-CENTERING VICES



CARATTERISTICHE:

Ideate per lavorazioni su macchine a 5 assi.

Grazie alle ganasce alte e slanciate, consentono di lavorare agevolmente sulle 5 facce libere.

Morse con appoggio standard altezza chiusura del pezzo 40x6. L'applicazione delle parallele IR rende possibile variare l'altezza di chiusura del pezzo. Le morse autocentranti a 5 assi permettono di montare tutta la serie di ganasce della morsa Modulare DD 125. Nella posizione standard la chiusura parte da un pezzo minimo di 45 mm. Da 15 a 45 mm bisogna spostare in avanti le ganasce di un passo sulla chiocciola.

Vedi ganasce pag.11

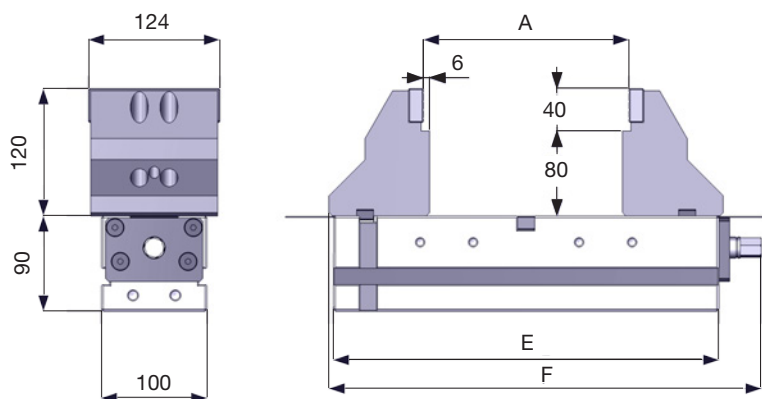
FEATURES:

Designed for use on 5-axis machines.

Thanks to its high and bold jaws, it allows to work easily on the 5 faces.

Vice with standard support height closing of piece 40x6. The application of IR parallels allows to clamp pieces with different heights. The System 5A allows to mount all jaws of the Modular vice DD 125. In the standard position the closing start from a piece of 45 mm minimum. From 15 to 45 mm the jaws must be moved of a step forward on the screw nut.

See jaw type pag.11



► Code

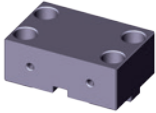
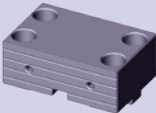
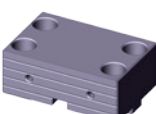
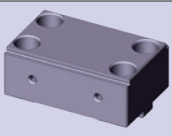
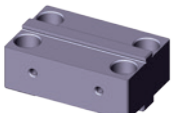
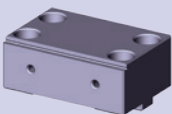
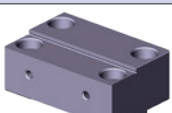
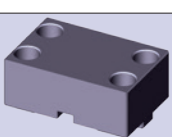
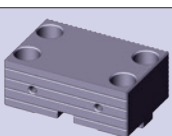
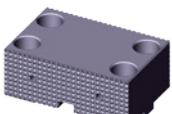
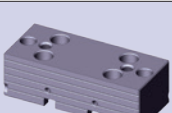
MAC5

CODE	A	E	F	kg
	mm	mm	mm	
MAC5-250	45 / 80	250	296	28,0
MAC5-364	15 / 190	364	410	33,0
MAC5-464	15 / 290	464	510	38,0
MAC5-564	15 / 390	564	610	43,0

GANASCE FISSE / FIXED JAWS

► Model

GAC

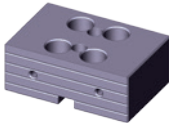
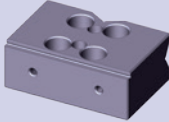
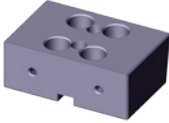
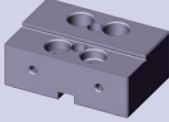
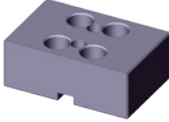
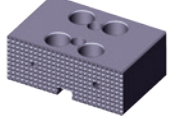
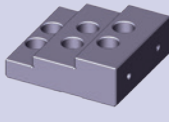
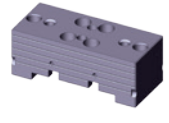
TIPO DI GANASCIA / JAW TYPE	DESCRIZIONE / DESCRIPTION	CODICE / CODE	MISURA / SIZE (mm)
	Liscia / liscia Smooth / smooth	GAC060	100
	Rigata / rigata Grooved / grooved	GAC061	100
	Liscia / rigata Smooth / grooved	GAC064	100
	Con 2 ribassi 4x4 With 2 steps 4x4	GAC062	100
	Con 2 ribassi 27x4 With 2 steps 27x4	GAC063	100
	Con 1 ribasso 4x4 / liscia With 1 steps 4x4 / smooth	GAC065	100
	Con 1 ribasso 27x4 / liscia With 1 step 27x4 / smooth	GAC066	100
	Tenera in acciaio 18NiCrMo5 18NiCrMo5 steel soft	GAC067	100
	Tenera in alluminio Aluminium soft	GAC068	100
	Rigata / dentini Grooved / knurled	GAC069	100
	Dentini / dentini Knurled / knurled	GAC072	100
	Rigata / rigata da 150 Grooved / 150 grooved	GAC151	150

GANASCE MOBILI/ MOVABLE JAWS

► Model

GAC

MORSE DI PRECISIONE

TIPO DI GANASCIA / JAW TYPE	DESCRIZIONE / DESCRIPTION	CODICE / CODE	MISURA / SIZE (mm)
	Liscia / rigata Smooth / grooved	GAC050	100
	Con 1 ribasso / "V" a 120° With 1 step / "V" 120°	GAC051	100
	Liscia / "V" a 10° Smooth / "V" 10°	GAC052	100
	Con 1 ribasso 27x4 / liscia With 1 step 27x4 / smooth	GAC053	100
	Tenera in acciaio 18NiCrMo5 18NiCrMo5 steel soft	GAC057	100
	Tenera in alluminio Aluminium, soft	GAC058	100
	Rigata / dentini Grooved / knurled	GAC059	100
	Autocentrante a gradino Self-centring, stepped	GAC040	100
	Liscia / rigata da 150 Smooth / 150 grooved	GAC151	150

Accessori - Jaw accessories

GANASCIA RIPORTATA PER PEZZI GREZZI
SPECIAL JAW FOR RAW PIECES

Si applicano alle ganasce standard delle morse semplici, doppie, autocentranti.

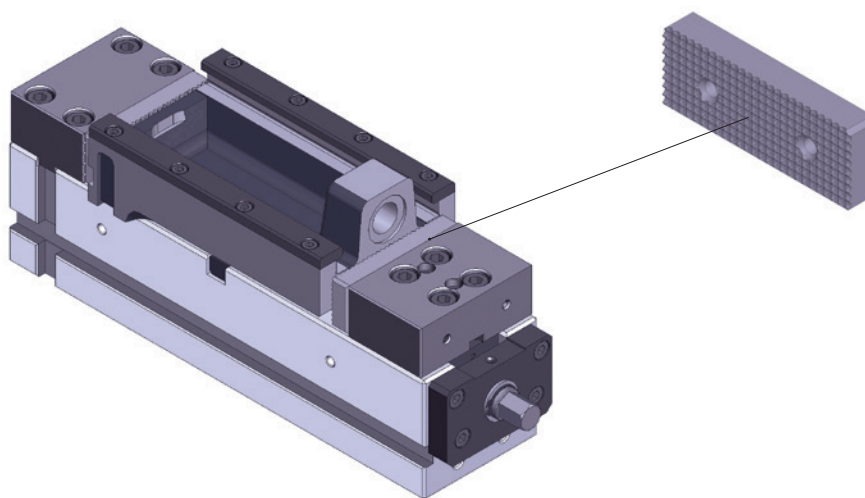
Grazie alla serie di denti, le ganasce sono in grado di bloccare pezzi tagliati al seghetto o fusioni grezze.

They are mounted on single, double, self-centering standard jaws. Thanks to their teeth, the jaws can clamp pieces cut by saws or casting pieces.

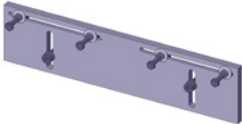
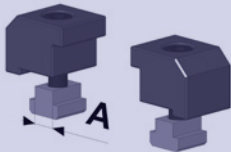
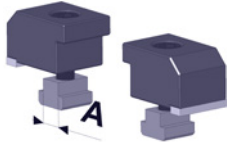
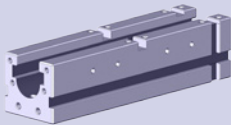
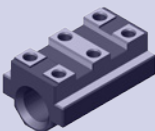
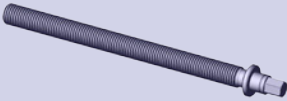
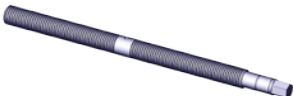
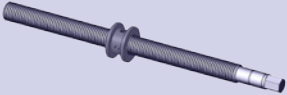
► Code

GAC

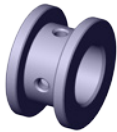
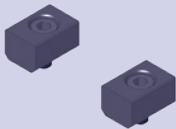
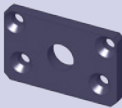
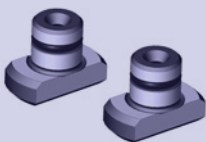
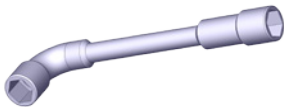
CODE	Misura Type
GAC010	100



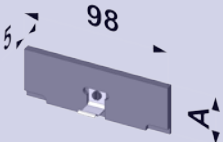
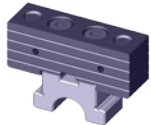
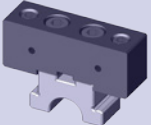
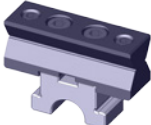
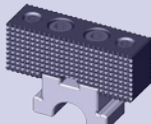
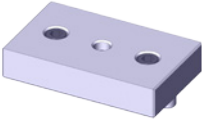
Accessori per morse - Jaw accessories

TYPE	DESCRIPTION	CODE	SIZE (mm)
	Fermo laterale <i>Workpiece side stop</i>	AFER-080	100
	Chiave snodata <i>Universal socket wrench</i>	ACHS-17	100 (17 mm)
	Fermo laterale multiplo <i>Multiple Workpiece side stop</i>	AFER-364 AFER-464	/
	Staffe laterali normali <i>Side clamps</i>	ASTN-012 ASTN-014 ASTN-016 ASTN-018 ASTN-020 ASTN-022	12 14 16 18 20 22
	Staffe laterali per banchine tenere <i>Side clamps for soft pallet</i>	ASTT-112 ASTT-114 ASTT-116 ASTT-118 ASTT-120 ASTT-122	12 14 16 18 20 22
	Slittone di base <i>Body</i>	ASLI-250 ASLI-364 ASLI-464 ASLI-564	100 (L=250) 100 (L=364) 100 (L=464) 100 (L=564)
	Chiocciola per versione doppia e semplice <i>Screw nut for double and simple version</i>	ACCS-05D ACCS-05S	100 dx 100 sx
	Chiocciola per versione autocentrante GR <i>Screw nut for GR self-centering version</i>	ACCA-03D ACCA-03S	100 dx 100 sx
	Contrasto per vite autocentrante <i>Clamping device for self-centering screw</i>	ACON-020	100
	Vite comando Semplice <i>Simple screw</i>	AVCS-250 AVCS-364 AVCS-464 AVCS-564	100 (L=250) 100 (L=364) 100 (L=464) 100 (L=564)
	Vite comando doppia <i>Double screw</i>	AVCD-364 AVCD-464 AVCD-564	100 (L=364) 100 (L=464) 100 (L=564)
	Vite comando autocentrante <i>Self-centering screw</i>	AVCA-250 AVCA-364 AVCA-464 AVCA-564	100 (L=250) 100 (L=364) 100 (L=464) 100 (L=564)

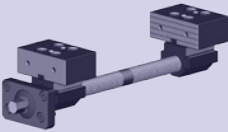
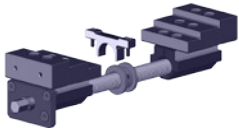
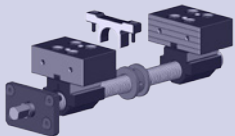
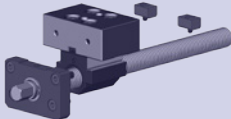
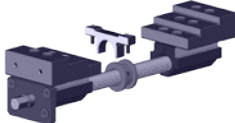
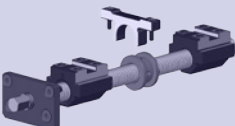
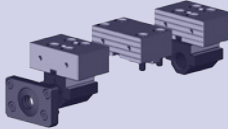
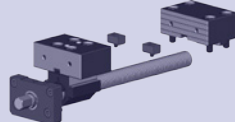
Accessori per morse - Jaw accessories

TYPE	DESCRIPTION	CODE	SIZE (mm)
	Rocchetto per vite Autocentrante <i>Reel for Self-centering screw</i>	AROC-140	100
	Tasselli centrali per versione Semplice <i>Central nuts for Simple version</i>	ATAS-160	100
	Serie molle a tazza per versione Doppia <i>Belleville spring set for Double version</i>	AMOL-154	100
	Supporto per vite semplice <i>Support for Simple screw</i>	ASUS-080-01 ASUS-080-10	100 100
	Supporto per vite Doppia con molle a tazza <i>Support for Double screw with springs</i>	ASUD-150	100
	Sostegno per vite Autocentrante <i>Support for Self-centering screw</i>	ASUA-030	100
	Anello frizione per versione Semplice <i>Thrust washer for Simple version</i>	AFRI-060	100
	Anello seeger per versione Doppia e Autocentrante <i>Seeger ring for Double and Self-centering version</i>	AAND-20C	100
	Anello seeger per versione semplice <i>Seeger ring for simple version</i>	AANS-22C	100
	Tasselli cava <i>Slot nuts</i>	ATAS-012 ATAS-014 ATAS-016 ATAS-018 ATAS-020 ATAS-022	12 14 16 18 20 22
	Chiave a pipa <i>Wrench</i>	ACHP-17	100 (17 mm)
	Riparo fisso per versione semplice <i>Guard for simple version</i>	ARIP-100	100

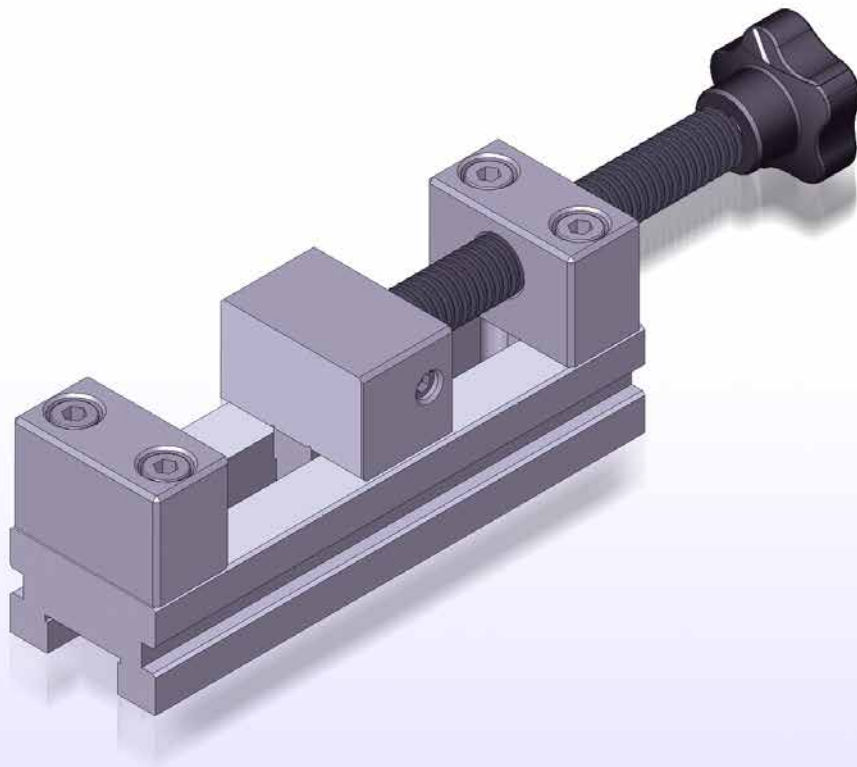
Accessori per morse - Jaw accessories

TYPE	DESCRIPTION	CODE	SIZE (mm)
	Protezione Guard	APRO-051 APRO-081 APRO-101 APRO-131 APRO-151 APRO-246 APRO-346	100 L=50 mm 100 L=80 mm 100 L=100 mm 100 L=130 mm 100 L=150 mm 100 L=245 mm 100 L=345 mm
	Parallele "IR" Parallels "IR"	APAR-245 APAR-295 APAR-345	100 100 100
	Ganascia mobile intermedia rigata Grooved intermediate mobile jaw	AGMR-100 AGMR-150	100 150
	Ganascia mobile intermedia liscia Smooth intermediate mobile jaw	AGML-100 AGML-150	100 150
	Ganascia mobile intermedia a V per tondi da Ø 8 a Ø 40 Intermediate V jaw for round pieces from Ø 8 to Ø 40	AGMV-100 AGMV-150	100 150
	Ganascia mobile intermedia con dentini Intermediate mobile jaw	AGMD-100 AGMD-150	100 150
	Sovraganascia tenera in Alluminio da 150 Aluminum soft top-mounted jaw from 150	ASGT-150	150

Kit di trasformazione - Conversion kit

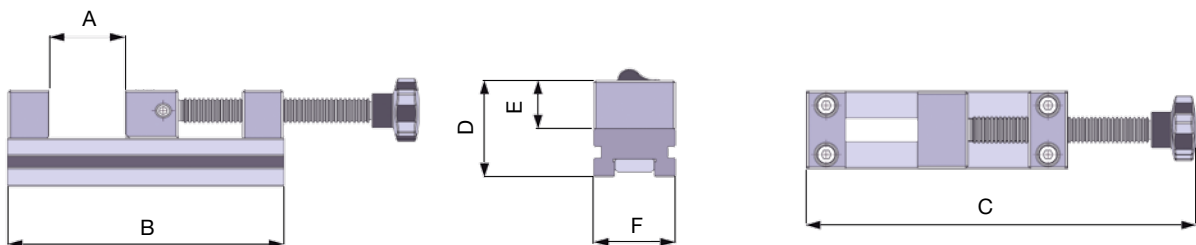
TYPE	DESCRIPTION	CODE	SIZE (mm)
SEMPLICE / SIMPLE			
	Kit da Semplice a Doppia <i>Kit from Simple to Double</i>	AKSD100-364 AKSD100-464 AKSD100-564 AKSD110-250 AKSD110-364 AKSD110-464 AKSD110-564	100 (L=364) 100 (L=464) 100 (L=564) 110 (L=250) 110 (L=364) 110 (L=464) 110 (L=564)
	Kit da Semplice/Doppia ad Autocentrante <i>Kit from Simple/Double to Self-centering</i>	AKSA100-364 AKSA100-464 AKSA100-564	100 (L=364) 100 (L=464) 100 (L=564)
	Kit da Semplice ad Autocentrante con ganasce normali <i>Kit from Simple to Self-centering with standard jaws</i>	AKAN100-365 AKAN100-465 AKAN100-565	100 (L=364) 100 (L=464) 100 (L=564)
DOPPIO / DOUBLE			
	Kit da Doppia a Semplice <i>Kit from Double to Simple</i>	AKDS100-364 AKDS100-464 AKDS100-564	100 (L=364) 100 (L=464) 100 (L=564)
	Kit da Semplice/Doppia ad Autocentrante <i>Kit from Simple/Double to Self-centering</i>	AKDA100-364 AKDA100-464 AKDA100-564	100 (L=364) 100 (L=464) 100 (L=564)
	Kit da Doppia ad Autocentrante con ganasce normali <i>Kit from Double to Self-centering with standard jaws</i>	ADAN100-365 ADAN100-465 ADAN100-565	100 (L=364) 100 (L=464) 100 (L=564)
	Kit da doppia in autocentrante con ganasce normali <i>Kit from double to self-centering with standard jaws</i>	ADAN100-364	100 L=364/464/564
AUTOCENTRANTE / SELF-CENTERING			
	Kit da Autocentrante a Doppia <i>Kit from Self-centering to Double</i>	AKAD100-364	100 L=364/464/564
	Kit da Autocentrante con ganasce normali a Doppia <i>Kit from Self-centering with standard jaws to Double</i>	AKAD100-365	100 L=364/464/564
	Kit da Autocentrante a Semplice <i>Kit from Self-centering to Simple</i>	AKAS100-364 AKAS100-464 AKAS100-564	100 (L=364) 100 (L=464) 100 (L=564)

MORSA ELETTROEROSIONE EDM VICE



Costruita espressamente per macchine ad elettroerosione a filo e a tuffo, questa morsa é realizzata interamente in acciaio inossidabile temprato, con precisioni di costruzione centesimali.

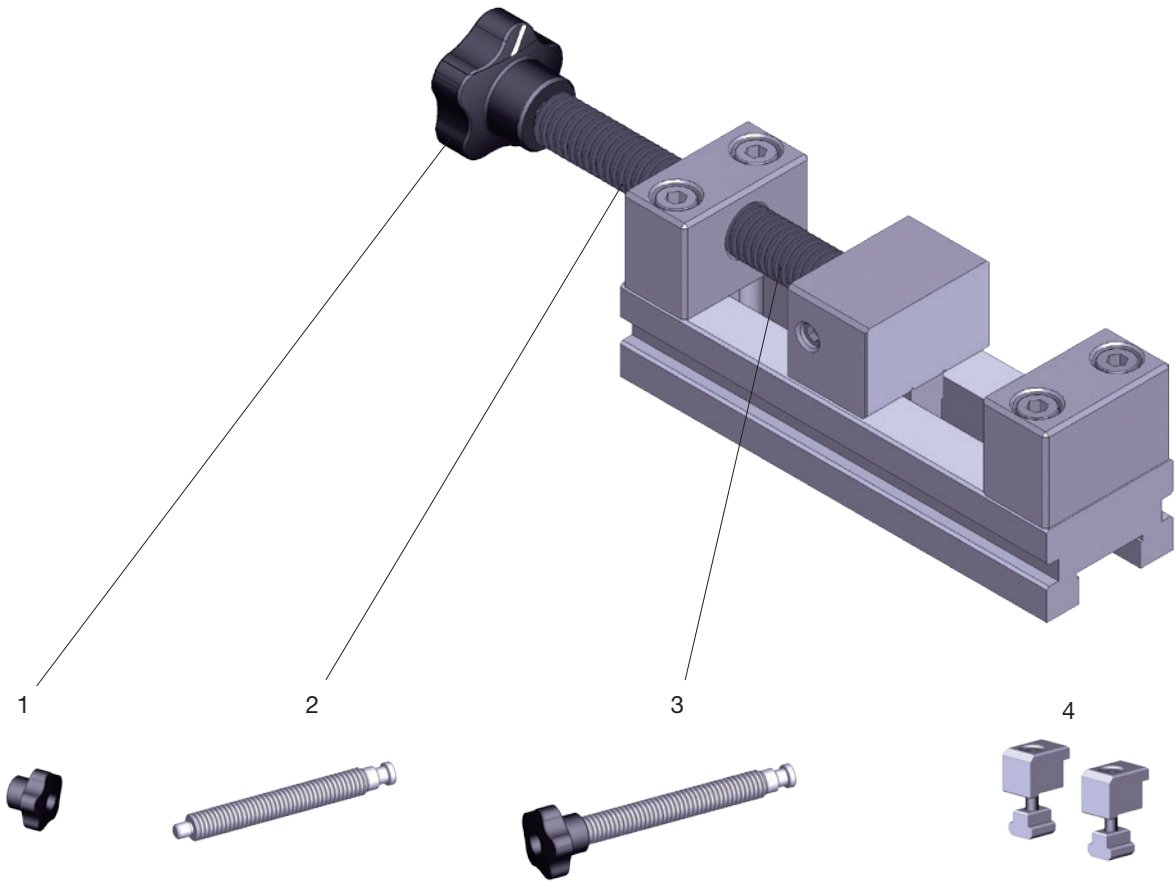
Especially designed for die-sink and wire-cut EDM, this vice is completely made of hardened stainless steel, built with centesimal accuracy.



► Code

ME

CODE	Tipo Type	A	B	C	D	E	F	kg
		mm	mm	mm	mm	mm	mm	
ME055-090	55x90	90	182	313	70	35	54	4,0
ME055-130	55x130	130	222	393	70	35	54	5,0



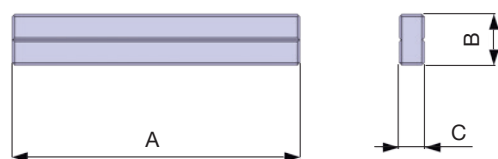
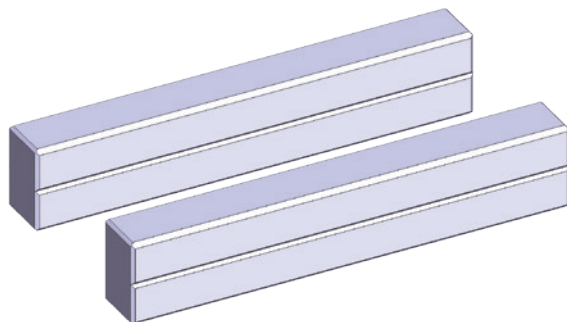
	CODE	DENOMINATION	Misura Size
1	ME055-050	Manopola Hand grip	55
2	ME055-050	Vite comando Screw	55X90
	ME055-052		55X130
3	ME055-060	Vite comando completa Complete screw	55X90
	ME055-062		55X130
4	ME055-050	Staffe laterali Side clamps	55 - 12

PARALLELE PER MORSE PARALLEL BLOCKS FOR VICES

CARATTERISTICHE:

- Per tutti i tipi di morse

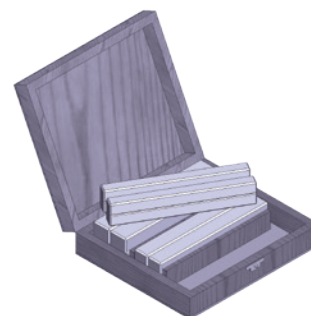
Parallele in acciaio temprato
Hardened steel parallels



FEATURES:

- For every kind of vices

SET di parallele
Set of parallels



► Code

PRL85

Composizione Content	Codice Code	Tipo / Type 85		
		A	B	C
2 PZ. / PCS.	PRL085-200	82	18	10
	PRL085-210	82	22	13

► Code

PRL100

Composizione Content	Codice Code	Tipo / Type 100		
		A	B	C
2 PZ. / PCS.	PRL100-200	95	20	12
	PRL100-210	95	23	16

► Code

PRL

CODE	Misura Type (AxBxC) mm
PRL085-200	85 (82x18x10)
PRL085-210	85 (82x22x13)
PRL100-200	100 (95x20x12)
PRL100-210	100 (95x23x16)
PRL120-200	120 (115x21x10)
PRL120-210	120 (115x22x13)
PRL120-220	120 (115x28x18)
PRL150-200	150 (145x26x13)
PRL150-210	150 (145x28x18)
PRL150-220	150 (145x33x22)
PRL200-200	200 (190x32x15)
PRL200-210	200 (190x35x18)
PRL200-220	200 (190x38x27)
PRL200-230	200 (190x42x23)

► Code

PRL120

Composizione Content	Codice Code	Tipo / Type 120		
		A	B	C
3 PZ. / PCS.	PRL120-200	115	21	10
	PRL120-210	115	22	13
	PRL120-220	115	28	18

► Code

PRL150

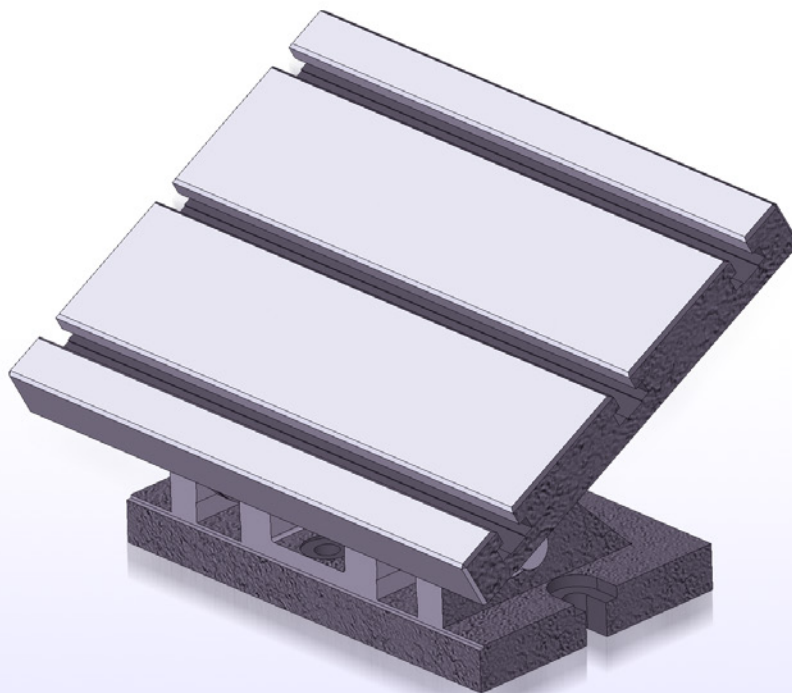
Composizione Content	Codice Code	Tipo / Type 150		
		A	B	C
3 PZ. / PCS.	PRL150-200	145	26	13
	PRL150-210	145	28	18
	PRL150-220	145	33	22

► Code

PRL200

Composizione Content	Codice Code	Tipo / Type 200		
		A	B	C
4 PZ. / PCS.	PRL200-200	190	32	15
	PRL200-210	190	35	18
	PRL200-220	190	38	27
	PRL200-230	190	42	23

SQUADRA ORIENTABILE ADJUSTABLE SQUARE



Squadra orientabile con scanalature a "T" 350x270 mm

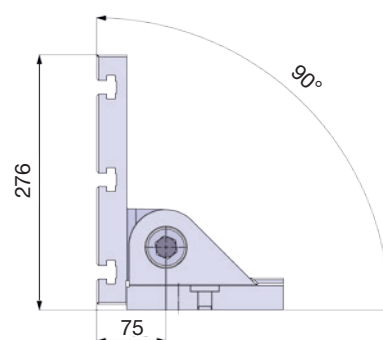
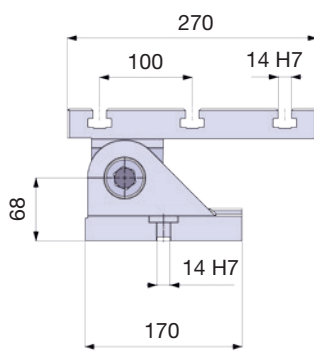
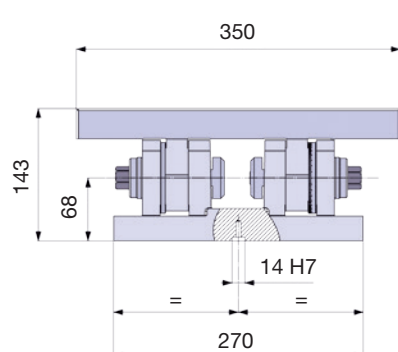
Supplied with nuts and hand crank.

CARATTERISTICHE:

- Costruita in ghisa legata perlitica G.250 stabilizzata di altissima resistenza.
- E' dotata di un doppio bloccaggio che garantisce la completa eliminazione di ogni vibrazione.
- Precisione e costanza di piazzamento, molteplicità di impiego e praticità d'uso.
- La posizione angolare è data da un nonio con lettura in 2 gradi.
- Fornita con tasselli di riferimento e chiave di bloccaggio.

FEATURES:

- Adjustable square 350x270 mm with T-slots
- Made of extremely resistant G.250 pearlitic cast iron alloy.
- The double clamping ensures vibration-free operations. It can be positioned accurately and can easily be used for a great number of applications.
- A vernier scale enables readings of the angle position with 2° accuracy.



► Code **SQD**

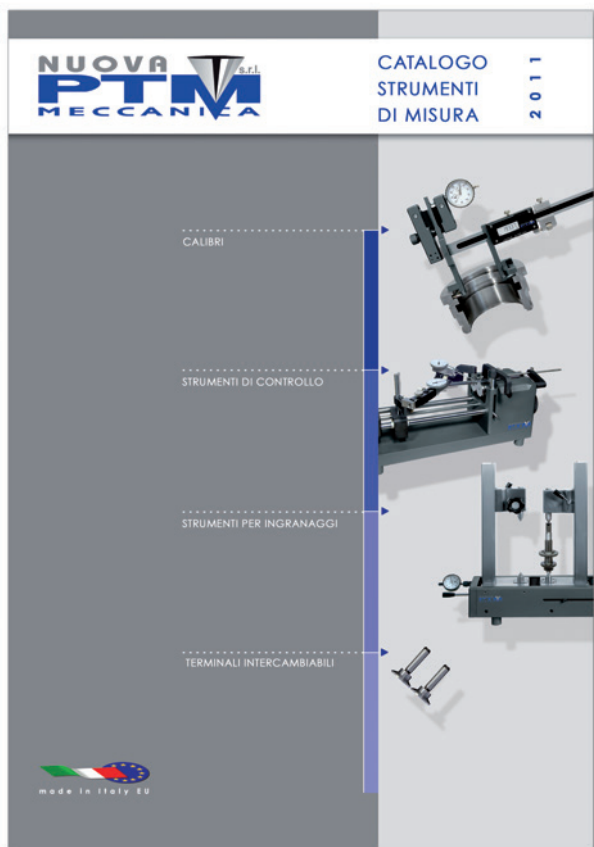
CODE	kg
SQD270-350	38,5

On request also
Live centers, dead centers
and face drivers catalogue



Richiedi anche il catalogo
Strumenti di misura

On request also
Measurement tools catalogue



ambiobli per: Digi Bascom, Apollo, Digi Ulisse

Terminali per filettature interne

Articolo	Passo viti	Code	Kg
F0301	0,4-0,5	03010	0,010
F0302	0,6-0,9	03011	0,010
F0303	1-1,75	03012	0,010
F0304	2-3	03013	0,010
F0305	3,5-5	03014	0,010
F0306	5,5-7	03015	0,010

Terminali per filettature esterne

Articolo	Passo viti	Code	Kg
F0101	0,4-0,5	03050	0,010
F0102	0,6-0,9	03051	0,010
F0103	1-1,75	03052	0,010
F0104	2-3	03053	0,010
F0105	3,5-5	03054	0,010
F0106	5,5-7	03055	0,010

TERMINALI PER VARIE MISURAZIONI

cod. F0504

cod. F0502

cod. F0507

cod. F0501

cod. F0505

cod. F0503

Art. F0501 Code 03020

Art. F0502 Code 03021

Art. F0503 Code 03022

Art. F0504 Code 03023

Art. F0505 Code 03024

Art. F0506 Code 03025

Art. F0507 Code 03026

Art. F0601 Code 03030

Art. F0602 Code 03031

Art. F0603 Code 03032

Art. F0604 Code 03033

Art. F0605 Code 03034

Art. F0606 Code 03035

Art. F0607 Code 03036

04 TERMINALI INTERCAMBIABILI

20 TERMINALI INTERCAMBIABILI

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



CONTACT US

- ▶ Tel. +39 - 051.6722485
- ▶ Fax +39 - 051.961367
- ▶ info@nuovaptm.eu

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CONTACT US

- Tel. +39 - 051.6722485
- Fax +39 - 051.961367
- info@nuovaptm.eu



NUOVA PTM MECCANICA
Via G. di Vagno, 15
40050 Valsamoggia
Loc. Monteveglio - Bologna
Tel. +39 - 051.6722485
Fax +39 - 051.961367
www.nuovaptm.com
info@nuovaptm.com

