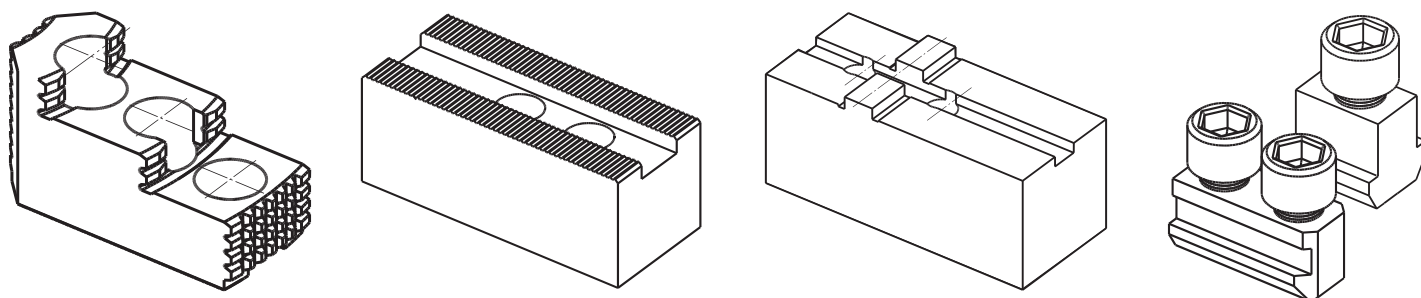


# Morsetti duri reversibili, morsetti teneri, tasselli a T

## Hard top jaws, soft top jaws, T-nuts



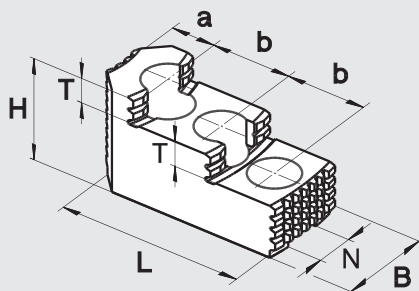
Il modo più semplice di montare i giusti morsetti sul vostro mandrino autocentrante MARIO PINTO

*The easy way to mount the right top jaws on your MARIO PINTO chuck*

		Modelli dei mandrini Chuck series					Morsetti duri Hard top jaws		Morsetti teneri Soft top jaws	Tasselli a T T-nuts	
		AN	BH	BB	PB	HY	Set 3 morsetti duri No. Set 3 hard top jaws No.	Set 4 morsetti duri No. Set 4 hard top jaws No.	Morsetti teneri (Pz) No. Soft top jaws Id. No.	Tipo di tassello T-nut type	Tassello a T (Pz) No. T-nuts Id. No.
Dentatura in pollici "D" Inch serration "D"	Diametro mandrino Chuck diameter										
	125	•					12081306	12081308	12071300	3	12061200
	130		•		•		12081306	12081308	12071300	2	12061300
	140			•							
	165	•	•		•						
	175			•		•	12081636	12081638	12071680	3	73061650
	210	•	•	•	•	•	12082036	12082038	12072130	3	73062150
	250	•	•	•	•	•	12083036	12083038	12072500	3	73063050
305/315	•	•	•	•	•	12083036	12083038	12073000	3	73063050	
400	•	•			•	12084546	12084548	12074040	1	12065020	
Dentatura metrica "M" Metric serration "M"	125	•					12081307	12081309	12071301	3	12061200
	130		•		•		12081307	12081309	12071301	2	12061300
	140			•							
	165	•	•		•						
	175			•		•	12081627	12081629	12071621	4	73061602
	210	•	•	•	•	•	12082127	12082129	12072121	4	73062101
	250	•	•	•	•	•	12082627	12082629	12072621	4	73062501
	305/315	•	•	•	•	•	12083037	12083039	12073001	3	73063050
400	•	•			•	12084527	12084529	12074021	1	12064020	
Incastro a croce "C" Tongue & groove "C"	165	•			•		-	-	12041660	-	-
	210	•			•		-	-	12042060	-	-
	250	•			•		-	-	12042560	-	-
	315	•			•		-	-	12043060	-	-
	400	•					-	-	12044050	-	-

# Morsetti duri reversibili, morsetti teneri, tasselli a T

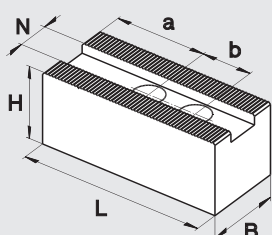
## Hard top jaws, soft top jaws, T-nuts



### Morsetti duri reversibili con dentatura in POLLICI "D" - Inch serrated hard top jaws "D"

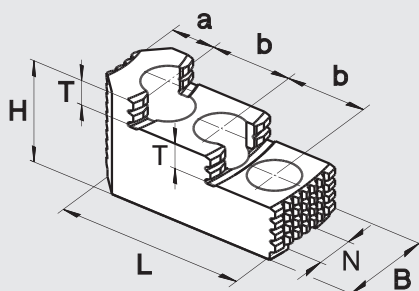
Morsetti di 1ª operazione, se una alta concentricità è richiesta devono essere rettificati sul mandrino  
If high concentricity is required, jaws have to be ground on the chuck at clamping pressure

No.* Id. No.*	Dentatura in pollici Inch serration	B mm	H mm	L mm	N mm	T mm	a mm	b mm	Massa/Mass kg/cad
12081306	1/16" x 90°	30	34	58	12	8.5	13	16	0.20
12081636	1/16" x 90°	34	39	65	14	10	18	16.5	0.30
12082036	1/16" x 90°	40	45	82	17	10.5	19	23	0.57
12082626	1/16" x 90°	45	56	100	17	15.5	23	30	0.85
12083036	1/16" x 90°	45	56	105	21	13.5	26	30	0.95
12084546	3/32" x 90°	60	75	140	25.5	19	38	38	2.50



### Morsetti teneri con dentatura in POLLICI "D" - Inch serrated soft blank top jaws "D"

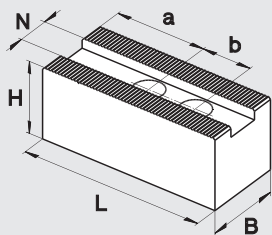
No.* Id. No.*	Dentatura in pollici Inch serration	B mm	H mm	L mm	N mm	a mm	b mm	Massa/Mass kg/cad
12071300	1/16" x 90°	30	30	60	12	29	16	0.30
12071680	1/16" x 90°	30	35	70	14	38	16.5	0.42
12072130	1/16" x 90°	35	40	90	17	47	23	0.85
12072500	1/16" x 90°	45	45	110	21	60	30	1.25
12073000	1/16" x 90°	50	50	125	21	73	30	1.85
12074030	1/16" x 90°	60	60	140	21	81	34	3.20
12074040	3/32" x 90°	60	60	140	25.5	75	38	3.20
12075040	3/32" x 90°	75	75	160	25.5	97	38	5.50



### Morsetti duri reversibili con dentatura METRICA "M" - Metric serrated hard top jaws "M"

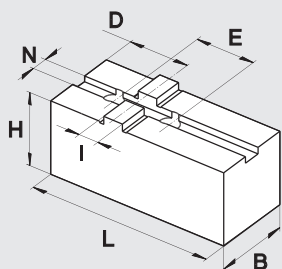
Morsetti di 1ª operazione, se una alta concentricità è richiesta devono essere rettificati sul mandrino  
If high concentricity is required, jaws have to be ground on the chuck at clamping pressure

No.* Id. No.*	Dentatura in pollici Inch serration	B mm	H mm	L mm	N mm	T mm	a mm	b mm	Massa/Mass kg/cad
12081307	1.5 x 60°	30	34	58	12	8.5	13	16	0.20
12081627	1.5 x 60°	34	39	67	12	10	14	20	0.31
12082127	1.5 x 60°	40	45	86	14	10.5	19	25	0.60
12082627	1.5 x 60°	45	56	100	16	15.5	23	30	0.85
12083037	1.5 x 60°	45	56	105	21	13.5	26	30	0.95
12084527	1.5 x 60°	60	75	140	22	19	38	38	2.50



### Morsetti teneri con dentatura METRICA "M" - Metric serrated soft blank top jaws "M"

No.* Id. No.*	Dentatura in pollici Inch serration	B mm	H mm	L mm	N mm	a mm	b mm	Massa/Mass kg
12071301	1.5 x 60°	30	30	60	12	29	16	0.30
12071621	1.5 x 60°	30	35	70	12	34	20	0.42
12072121	1.5 x 60°	35	40	90	14	47	25	0.85
12072621	1.5 x 60°	45	45	110	16	60	30	1.30
12073001	1.5 x 60°	50	50	125	21	73	30	1.85
12074031	1.5 x 60°	60	60	140	21	81	34	3.20
12074021	1.5 x 60°	60	60	140	22	75	38	3.20



### Morsetti teneri con incastro a croce "C" - Tongue & groove soft blank top jaws "C"

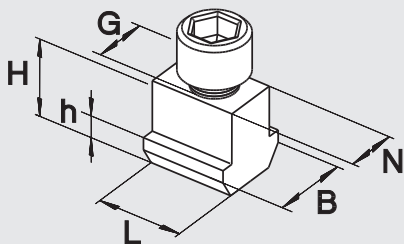
Incastro a croce tipo "American Standard"  
"American Standard" tongue & groove

No.* Id. No.*	B mm	H mm	L mm	N mm	D mm	E mm	I mm	Massa/Mass kg/cad
12041660	30	32	80	7.94	30	38.1	12.68	0.58
12042060	35	37	100	7.94	35	44.4	12.68	0.92
12042560	45	42	120	12.70	42	54	19.03	1.25
12043060	50	47	140	12.70	50	63.5	19.03	2.15
12044050	60	55	165	12.70	60	76.2	19.03	3.60

\* Il codice si riferisce ad un set di 3 morsetti / The Id. No. refers to a set of 3 jaws

# Tasselli a T T-nuts

## NST Tipo 1/Type 1



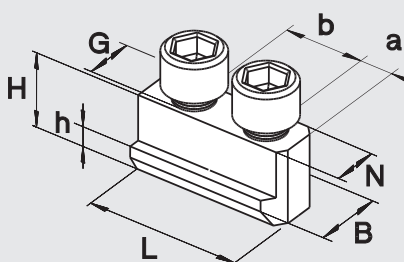
### Tasselli a T semplice tipo NST - Single T-nut NST

Tipo 1 (vedere la tabella a pag. 120)  
Type 1 (see table at page 120)

No. Id. No.	B mm	H mm	L mm	N mm	G mm	h mm
12063000	29	25	24	21	M16	11
12064020	35	34.5	30	22*	M20	15
12065020	35	34	30	25.5	M20	15
12065082	36	34	30	25.5**	M20	15
12065002	40	40	32	25.5**	M20	15.5

\* Guida di 22 mm nei morsetti e 25.5 mm nelle griffe base / 22 mm guide in the top jaw and 25.5 mm guide in the master jaw  
\*\* Guida di 25.5 mm nei morsetti e 28 mm nelle griffe base / 25.5 mm guide in the top jaw and 28 mm guide in the master jaw

## NSTE Tipo 2/Type 2

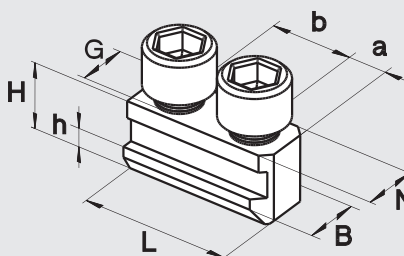


### Tasselli a T doppio tipo NSTE - Double T-nut NSTE

Tipo 2 (vedere la tabella a pag. 120)  
Type 2 (see table at page 120)

No. Id. No.	B mm	H mm	L mm	N mm	G mm	a mm	b mm	h mm
12061300	17	15	30	12	M8	7	16	6.5
73064030	31	33	60	21	M16	13	34	14.5
12064520	31	33	70	22	M20	16	38	14.5

## NSTE Tipo 3/Type 3

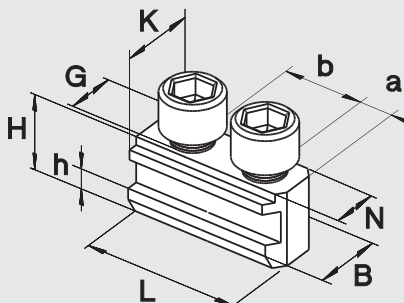


### Tasselli a T doppio tipo NSTE - Double T-nut NSTE

Tipo 3 (vedere la tabella a pag. 120) - per mandrini con dentatura in pollici  
Type 3 (see table at page 120) - for chucks with inch serration

No. Id. No.	B mm	H mm	L mm	N mm	G mm	a mm	b mm	h mm
12061200	15	15	32	12	M8	6.5	16	6.5
73061650	17	18.5	32	14	M10	8	16.5	6.5
73062150	19	20.5	43	17	M12	10	23	7.5
18062632	19	20.5	50	17	M12	10	30	7.5
73063050	25	26.5	56	21	M16	13	30	10
73065030	31	33	70	25.5	M20	16	38	14.5

## NSTE-M Tipo 4/Type 4



### Tasselli a T doppio tipo NSTE-M - Double T-nut NSTE-M

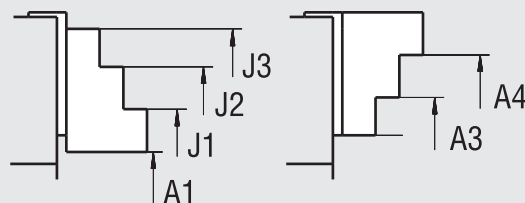
Tipo 4 (vedere la tabella a pag. 120) - per mandrini con dentatura metrica compatibili con i morsetti dei mandrini giapponesi  
Type 4 (see table at page 120) - for metric master jaws to use existing Kitagawa top jaws

No. Id. No.	B mm	H mm	L mm	N mm	K mm	G mm	a mm	b mm	h mm
76061602	17	18.5	36	12	14	M10	8	20	6.5
73062101	19	20.5	45	14	17	M12	10	25	7.5
18062633	19	20.5	50	16	17	M12	10	30	7.5
73062501	25	26.5	56	16	21	M12	13	30	10

# Campi di presa con morsetti duri reversibili standard

## Clamping ranges with standard stepped hard top jaws

Mandrini autocentranti automatici standard Ø 125-800 mm  
Standard power chucks Ø 125-800 mm



Diametro Chuck dia.	Modelli di mandrino Chuck type	Mors. duri/Top jaws Id. No.		A1 mm	A2 mm	A3 mm	A4 mm	J1 mm	J2 mm	J3 mm
		Denti/Serr. "D"	Denti/Serr. "M"							
125	AN-D	12081306	12081307	10-54	-	54-92	90-120	56-100	90-135	125-170
165	AN-D	12081636	12081627	14-80	-	62-125	110-155	65-125	115-175	145-210
210	AN-D	12082036	12082127	20-100	-	72-150	150-200	75-150	145-230	190-265
250	AN-D	12083036	12082627	20-115	-	105-205	190-235	80-165	155-250	230-325
315	AN-D	12083036	12083037	30-170	-	120-265	205-300	95-225	165-310	240-380
400	AN-D	12085046	12084047	40-190	85-235	-	270-380	150-300	-	330-480
130	BH-D	12081306	12081307	10-58	-	55-97	90-120	58-105	90-140	125-175
140	BB-D	12081306	12081307	16-65	-	55-105	90-130	65-110	98-148	132-182
165	BH-D	12081636	12081627	12-80	-	62-125	110-155	62-125	105-170	145-210
175	BB-D	12081636	12081627	25-92	-	74-138	120-165	74-138	118-185	155-220
180	HY	12081636	12081627	27-95	-	77-140	125-170	77-140	120-185	160-225
210	BH-D	12082036	12082127	14-100	-	65-150	140-200	65-150	135-230	180-265
210	BB-D	12082036	12082127	25-100	-	80-150	155-200	80-150	150-230	195-265
226	HY	12082036	12082127	24-110	-	75-160	150-215	75-160	145-240	190-275
250	BH-D	12083036	12083037	20-115	-	105-205	190-235	80-165	155-250	230-325
250	BB-D	12083036	12083037	25-115	-	115-205	200-235	85-165	165-250	240-325
315	BH-D	12083036	12083037	40-170	-	135-265	220-300	100-225	180-310	250-380
315	BB-D	12083036	12083037	75-170	-	165-265	250-300	130-225	210-310	320-415
400	BH-D	12084546	12084527	52-205	-	180-330	280-370	140-285	240-385	330-480
450	BH-D	12084546	12084547	52-265	-	180-390	280 - 430	140 - 345	240 - 445	330 - 540