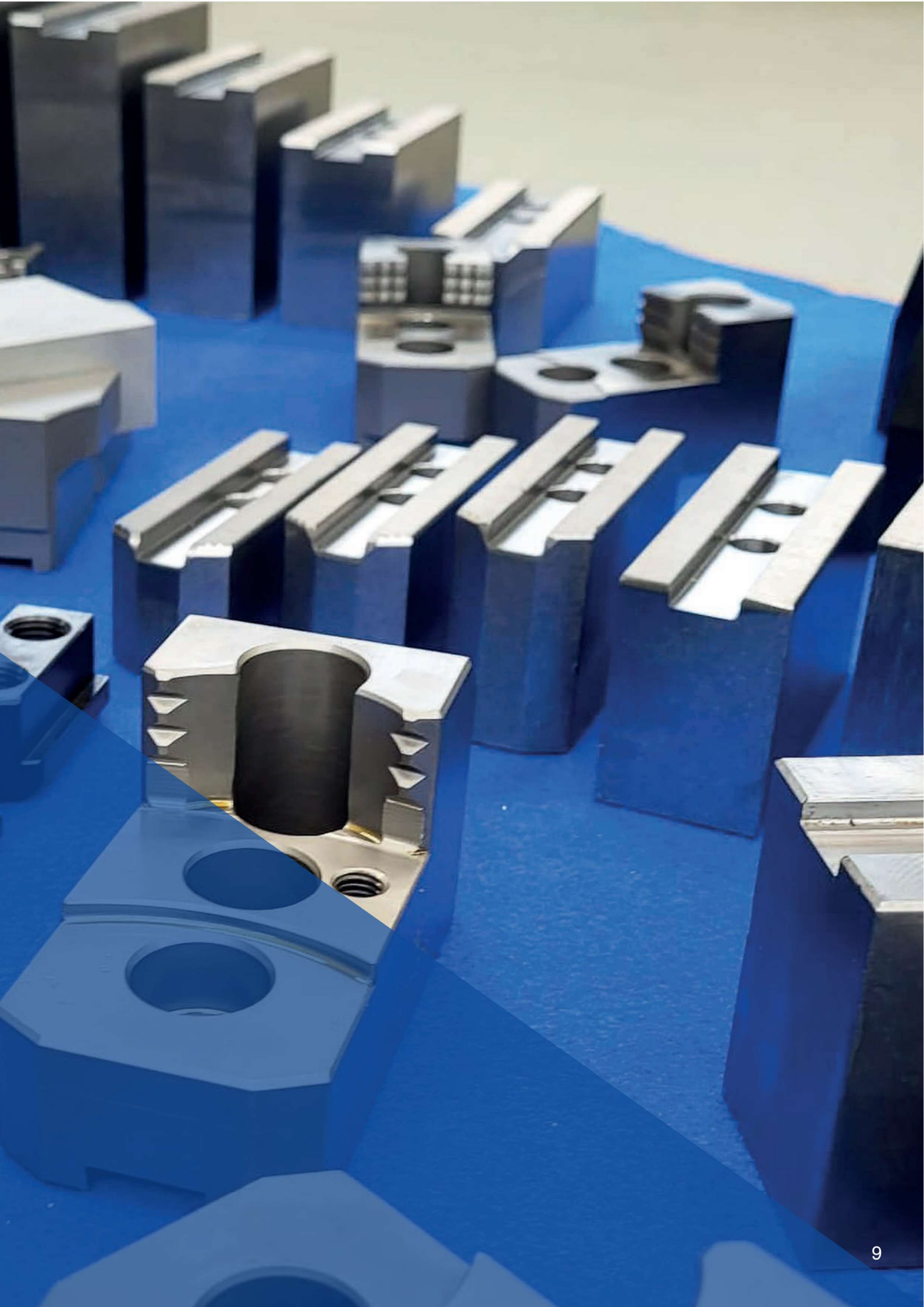
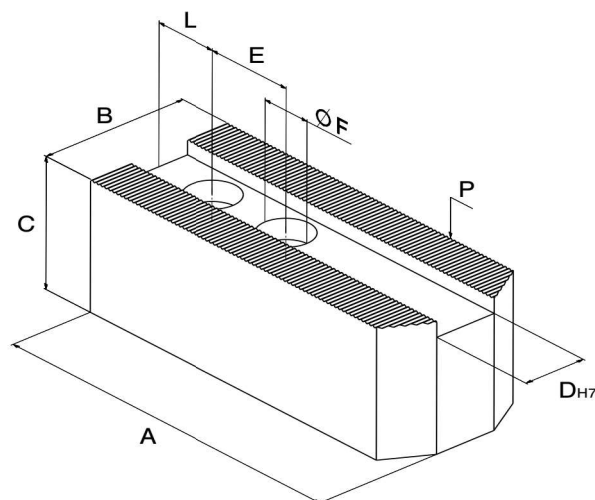


**MORSETTI E GRIFFE
PER AUTOCENTRANTI
HARD TOP CHUCK JAWS**



► MORSETTI STANDARD ► STANDARD JAWS



ART.	Smusso Chamfer	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	L	P	Peso Kg CAD.PZ. Weight Kg per piece
2001	FIG.1	125-130	60	30	30	12	16	9-15	15	1/16"x90°	0,30
2002	FIG.1	165-175	70	35	35	14	16,5	11-18	16		0,51
2003	FIG.1	180	80	35	40	14	20	11-18	20		0,70
2004	FIG.1	200	90	35	40	14	20	11-18	20		0,80
2005	FIG.1	200-210	90	40	40	17	23	13-19	20		0,90
2595	FIG.1	210-225	105	40	40	17	23	13-19	20		1,05
2006	FIG.1	250	110	45	45	21	30	17-25	22		1,30
2617	FIG.1	250	110	50	50	21	30	17-25	22		1,65
2007	FIG.1	315	125	50	50	21	30	17-25	22		1,95
2008	FIG.1	400	140	60	60	21	30	17-25	27	3/32"x90°	3,30
2008-25,5	FIG.1	400	140	60	60	25,5	38	21-31	27		3,20
2009	FIG.2	500-630	170	60	60	28	38	21-31	27		3,90
2009-25,5	FIG.2	500-630	170	60	60	25,5	38	21-31	27		3,80
2010	FIG.2	630-800	180	70	70	28	38	21-31	27		5,90
2010-25,5	FIG.2	630-800	180	70	70	25,5	38	21-31	27		5,85

FIG.1



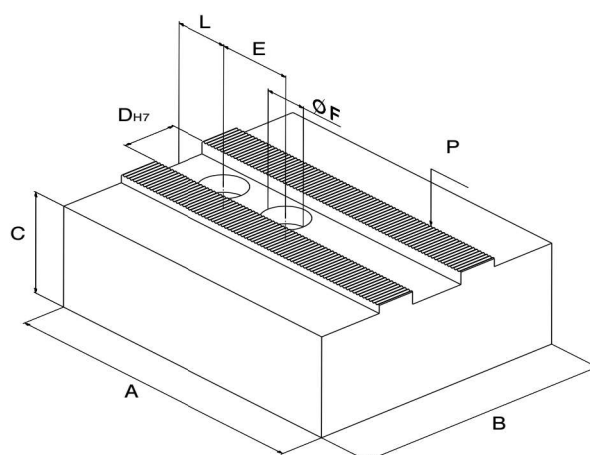
con smusso
with chamfer

FIG.2



senza smusso
without chamfer

► MORSETTI LARGHI ► WIDE JAWS



ART.	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	L	P	Peso Kg CAD.PZ. Weight Kg per piece
2002-B50x35	165-175	70	50	35	14	16,5	11-18	16	1/16"x90°	0,70
2002 50x50	165-175	70	50	50	14	16,5	11-18	16		1,00
2005-50x40	200-210	90	50	40	17	23	13-19	20		1,15
2005-50x50	200-210	90	50	50	17	23		20		1,45
2005-60x60	200-210	90	60	60	17	23		20		2,20
2005-B60x40	200-210	90	60	40	17	23		20		1,45
2617-80x50	250	110	80	50	21	30	17-25	22		2,90
2617-80x80	250	110	80	80	21	30		22		4,75
2617-100x50	250	110	100	50	21	30		22		3,65
2617-100x100	250	110	100	100	21	30		22		8,50
2007-B80x50	250-315	125	80	50	21	30		22		3,35
2007-80x80	250-315	125	80	80	21	30		22		5,50
2007-100x100	250-315	125	100	100	21	30		22		8,80
2007-B100x50	250-315	125	100	50	21	30		22		4,20

SMW – Autoblok

Pneumatico-idraulico
Pneumatic – hydraulic

MORSETTI ALTI HIGH JAWS

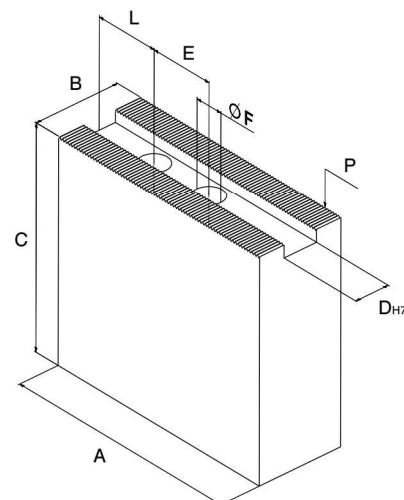


FIG.1



con smusso
with chamfer

FIG.2

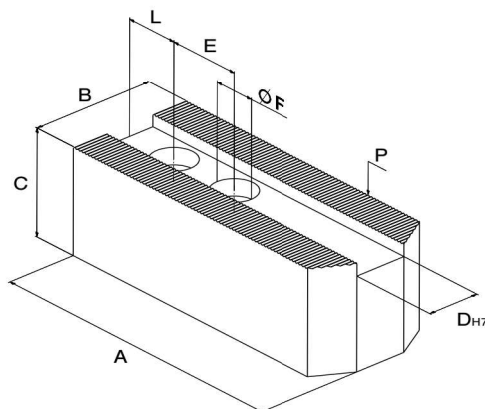


senza smusso
without chamfer

ART.	Smusso Chamfer	Autocentrante Chuck Ø	A	B	C	DH7	E	F	L	P	Peso Kg CAD.PZ. Weight Kg per piece
2001-C50	FIG.1	125-130	60	30	50	12	16	9-15	15	1/16"x90°	0,50
2002-C50	FIG.1	165-175	70	35	50	14	16,5	11-18	16		0,70
2002-C60	FIG.1	165-175	70	35	60	14	16,5	11-18	16		0,85
2002-C80	FIG.2	165-175	70	35	80	14	16,5	11-18	16		1,20
2002-C100	FIG.2	165-175	70	35	100	14	16,5	11-18	16		1,50
2518	FIG.2	200	90	40	60	14	20	11-18	20		1,40
2519	FIG.2	200	90	40	80	14	20	11-18	20		1,90
2520	FIG.2	200	90	40	100	14	20	11-18	20		2,40
2521	FIG.2	200-210	90	40	60	17	23	13-19	20		1,40
2522	FIG.2	200-210	90	40	80	17	23	13-19	20		1,85
2523	FIG.2	200-210	90	40	100	17	23	13-19	20		2,35
2005-C120	FIG.2	200-210	90	40	120	17	23	13-19	20		2,80
2524	FIG.2	250	110	50	80	21	30	17-25	22		2,80
2525	FIG.2	250	110	50	100	21	30	17-25	22		3,50
2526	FIG.2	250	110	50	120	21	30	17-25	22		4,20
2527	FIG.2	250	110	50	140	21	30	17-25	22		4,90
2528	FIG.2	315	125	50	80	21	30	17-25	22		3,20
2529	FIG.2	315	125	50	100	21	30	17-25	22		4,00
2530	FIG.2	315	125	50	120	21	30	17-25	22		4,90
2531	FIG.2	315	125	50	140	21	30	17-25	22		5,70
2532	FIG.2	400	140	60	80	21	30	17-25	27		4,60
2533	FIG.2	400	140	60	100	21	30	17-25	27		5,80
2534	FIG.2	400	140	60	120	21	30	17-25	27		6,95
2535	FIG.2	400	140	60	140	21	30	17-25	27		7,95
2613-25,5	FIG.2	400-500-630	160	60	80	25,5	38	21-31	27	3/32"x90°	4,90
2614-25,5	FIG.2	400-500-630	160	60	100	25,5	38	21-31	27		6,00
2615-25,5	FIG.2	400-500-800	160	60	120	25,5	38	21-31	27		7,10
2616-25,5	FIG.2	400-500-800	160	60	140	25,5	38	21-31	27		8,60
2613	FIG.2	500-630-800	160	60	80	28	38	21-31	27		4,80
2614	FIG.2	500-630-800	160	60	100	28	38	21-31	27		6,00
2615	FIG.2	500-630-800	160	60	120	28	38	21-31	27		7,20
2616	FIG.2	500-630-800	160	60	140	28	38	21-31	27		8,70

MORSETTI CON DENTATURA METRICA P=1,5 x 60°

SERRATED JAWS P=1,5 x 60°



ART.	Smusso Chamfer	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	L	P	Peso Kg CAD.PZ. Weight Kg per piece
3560	FIG.1	125-130-140	60	30	30	12	16	9-15	15	1,5x60°	0,30
3562	FIG.1	165-175	70	35	35	14	16,5	11-18	16		0,51
2583	FIG.1	165-175	72	30	30	12	20	11-18	20		0,38
2583 L	FIG.1	165-175	81	30	30	12	20	11-18	20		0,40
2642	FIG.1	165-175	72	30	50	12	20	11-18	20		0,60
2642-C60	FIG.1	165-175	72	30	60	12	20	11-18	20		0,75
2642-C80	FIG.2	165-175	72	30	80	12	20	11-18	20		1,00
2642-C100	FIG.2	165-175	72	30	100	12	20	11-18	20		1,25
2584	FIG.1	210	95	35	35	14	25	13-19	24		0,70
2584 L	FIG.1	210	102	35	40	14	25	13-19	24		0,85
2584 L-120	FIG.2	210	120	40	40	14	25	13-19	24		1,50
2584 L-140	FIG.2	210	140	40	40	14	25	13-19	24		1,40
2643	FIG.1	210	95	35	50	14	25	13-19	24		1,00
2643-C60	FIG.1	210	95	35	60	14	25	13-19	24		1,20
2644	FIG.2	210	95	35	80	14	25	13-19	24		1,70
3000	FIG.2	210	95	35	100	14	25	13-19	24		2,10
3000-C120	FIG.2	210	95	35	120	14	25	13-19	24		2,50
3564	FIG.1	210	90	40	40	17	23	13-19	20		0,90
3565	FIG.1	250	110	45	45	21	30	17-25	22		1,30
3565/16	FIG.1	250	110	45	45	16	30	13-19	22		1,45
2586-P20	FIG.1	250	110	50	50	16	30	13-19	20		1,10
3566	FIG.1	250	110	50	50	21	30	17-25	22		1,65
3567	FIG.1	305-315	125	50	50	21	30	17-25	22		1,95
3568	FIG.1	400	140	60	60	21	30	17-25	27		3,30
3569	FIG.1	400	140	60	60	22	38	21-31	27		3,30

FIG.1



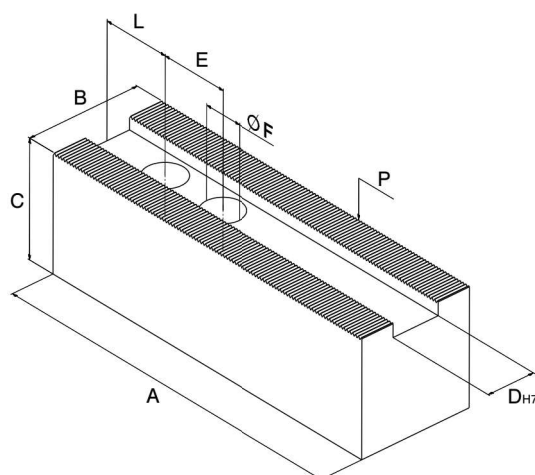
con smusso
with chamfer

FIG.2



senza smusso
without chamfer

MORSETTI LUNGI LONG JAWS



ART.	Smusso Chamfer	Autocentrante Chuck Ø	A	B	C	DH7	E	F	L	P	Peso Kg CAD.PZ. Weight Kg per piece
2001-L	FIG.1	125-130	70	30	30	12	16	9-15	15	1/16"x90°	0,40
2002-L	FIG.1	165-175	80	35	35	14	16,5	11-18	16		0,60
2595	FIG.1	210-225	105	40	40	17	23	13-19	20		1,05
2005-L140	FIG.2	210-225	140	40	50	17	23	13-19	20		1,90
2007-L140	FIG.1	250-315	140	50	50	21	30	17-25	22		2,20
2007-L150	FIG.2	250-315	150	50	50	21	30	17-25	22		2,45
2007-L160	FIG.2	250-315	160	50	50	21	30	17-25	22		2,65
2007-L180	FIG.2	250-315	180	50	50	21	30	17-25	22		3,00
2007-L200	FIG.2	250-315	200	50	50	21	30	17-25	22		3,35
2007-L220	FIG.2	250-315	220	50	50	21	30	17-25	22		3,75
2008-L160	FIG.2	315-400	160	60	60	21	30	17-25	27		3,90
2008-L180	FIG.2	315-400	180	60	60	21	30	17-25	27		4,45
2008-L200	FIG.2	315-400	200	60	60	21	30	17-25	27	3/32"x90°	5,00
2008-L220	FIG.2	315-400	220	60	60	21	30	17-25	27		5,35
2010-L230	FIG.2	500-630-800	230	80	80	28	38	21-31	27		9,50
2010-L230/25,5	FIG.2	500-630-800	230	80	80	25,5	38	21-31	27		9,40

FIG.1



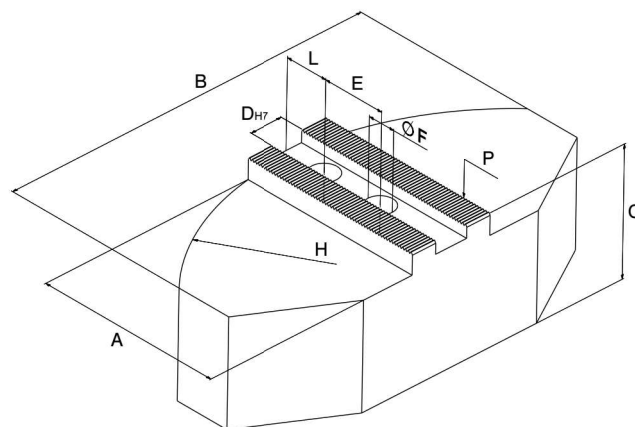
con smusso
with chamfer

FIG.2



senza smusso
without chamfer

MORSETTI AVVOLGENTI IN ACCIAIO E ALLUMINIO STEEL AND ALUMINUM JAWS



ART.	Materiale Material	Autocentrante Chuck Ø	A	B	C	D _{H7}	E	Ø F	Ø H	L	P	Peso Kg per serie 3pz Weight Kg 3-piece set
3550	Acciaio Steel	165-175	60	120	40	14	16,5	11-18	165	15	1/16"x90°	3,70
3550-A	Alluminio Aluminum		60	120	49	14	16,5	11-18	165	15		1,70
3551	Acciaio Steel	200-210	70	140	50	17	23	13-19	210	17		7,55
3551-A	Alluminio Aluminum		75	140	59	17	23	13-19	210	17		3,20
3552	Acciaio Steel	250	80	180	60	21	30	17-25	250	20		12,20
3552-A	Alluminio Aluminum		90	180	78	21	30	17-25	250	20		6,40
3553	Acciaio Steel	315	100	240	60	21	30	17-25	315	20		19,40
3553-A	Alluminio Aluminum		110	240	78	21	30	17-25	315	*20		11,00

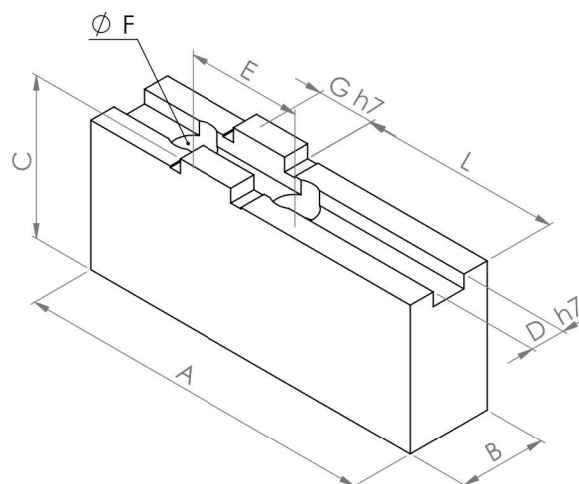
Morsetti incastro a croce

Tongue & groove jaws

Autoblok - Smw - Pinto - Forkardt FNC, F, KTNC
- Duro Hard Rohm - Berg - Shunk - Samchully

MORSETTI STANDARD

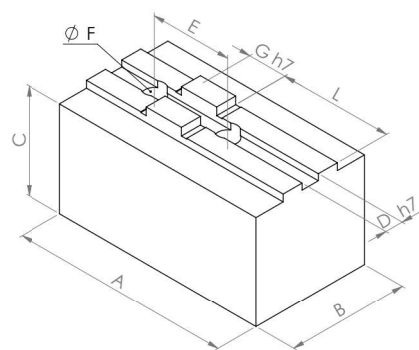
STANDARD JAWS



ART.	Autocentrante Chuck Ø	A	B	C	Dh7	E	Ø F	Gh7	L	Peso Kg CAD.PZ. Weight Kg per piece
3510	140	63	20	40	8	32	9-15	18	25	0,25
3511	160-175	85	20	40	8	32	9-15	18	42	0,40
3512	200-210	105	25	50	10	40	9-15	20	50	0,80
3513	250-260	125	30	55	12	40	13-19	20	70	1,20
3514	315-400	145	40	60	12	54	13-19	26	75	2,20
3515	400-500-630	180	50	80	18	60	17-25	30	100	4,60
3516	500-630	260	60	120	24	82	21-31	40	158	11,00
4000-HC32	800	165	80	80	12,7	76,2	21-31	19,03	95	6,60
4001-HC32	800	165	80	100	12,7	76,2	21-31	19,03	95	8,20
4002-HC32	800	165	80	120	12,7	76,2	21-31	19,03	95	9,70
4003-HC40/50	1000-1250	270	80	100	30	76,2	25-38	19,03	160	12,30
4004-HC40/50	1000-1250	270	80	140	30	76,2	25-38	19,03	160	15,20

MORSETTI LARGHI

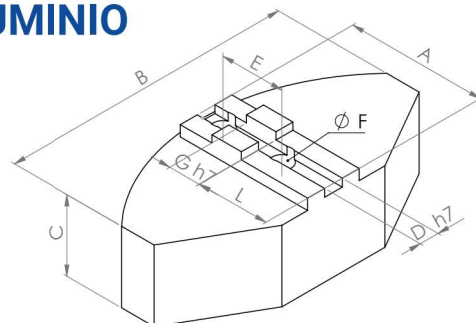
WIDE JAWS



ART.	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	GH7	L	Peso Kg CAD.PZ. Weight Kg per piece
3520	140	63	40	40	8	32	9-15	18	25	0,65
3521	160-175	85	30	55	8	32	9-15	18	42	0,90
3522	200-210	105	30	80	10	40	9-15	20	50	1,65
3523	200-210	105	40	40	10	40	9-15	20	70	1,10
3524	250-260	125	40	60	12	40	13-19	20	70	1,85
3525	250-260	125	40	80	12	40	13-19	20	70	2,55
3526	250-260	125	40	100	12	40	13-19	20	70	3,20
3527	250-260	90	60	60	12	40	13-19	20	43	2,00
3528	250-260	90	80	60	12	40	13-19	20	43	2,70
3529	315-400	145	80	80	12	54	13-19	30	75	6,20
3530	315-400	120	80	80	12	54	13-19	30	50	5,10

MORSETTI AVVOLGENTI IN ACCIAIO E ALLUMINIO

STEEL AND ALUMINUM PIE JAWS



ART.	Materiale Material	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	Gh7	Ø H	L	Peso Kg per serie 3pz Weight Kg 3-piece set
3540	Acciaio Steel	160-175	60	120	50	8	32	9-15	18	165	20,5	1,80
3540-A	Alluminio Aluminum											1,60
3541	Acciaio Steel	200-210	70	140	60	10	40	9-15	20	200	25	8,40
3541-A	Alluminio Aluminum											1,00
3542	Acciaio Steel	250	90	180	60	12	40	13-19	20	250	45	4,50
3542-A	Alluminio Aluminum											4,30
3543	Acciaio Steel	315	110	240	80	12	54	13-19	26	315	32	10,60
3543-A	Alluminio Aluminum											3,70

SMW – Autoblok

Morsetti temprati reversibili Hard reversible top jaws

► MORSETTI TEMPRATI REVERSIBILI ► HARD REVERSIBLE TOP JAWS

FIG.1

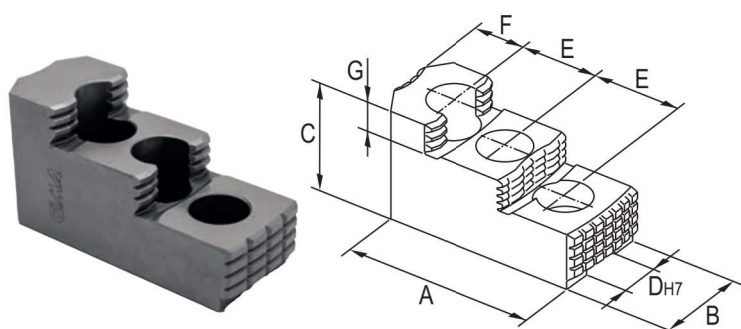
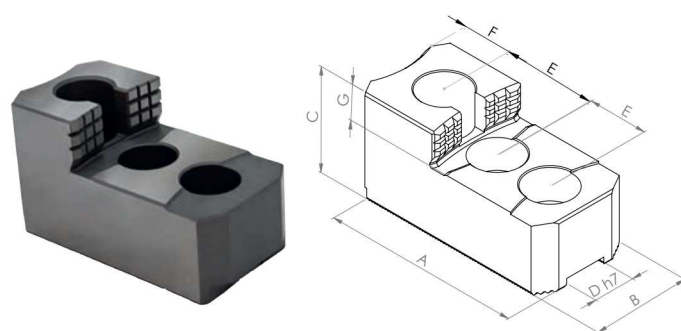


FIG.2



ART.	Gradino Step	Autocentrante Chuck Ø	A	B	C	DH7	E	F	G	P	Peso Kg per serie 3pz Weight Kg 3-piece set
2661	FIG.1	125-130	58	30	38	12	16	13	8,5	1/16"x90°	0,80
2662	FIG.1	165-175	65	34	45	14	16,5	18	10		1,10
2663	FIG.1	180-200	75	34	45	14	20	21	10,5		1,40
2664	FIG.1	210-225	90	40	49	17	23	27	12		2,20
2665	FIG.1	250	110	50	63	21	30	29	17		4,10
2665-L	FIG.1	315-350	125	50	65	21	30	40	17		5,00
2666	FIG.1	400	130	60	73	21	30	42	20	3/32"x90°	6,90
2669	FIG.2	400-500	140	60	73	25,5*	38	38	35		8,00
2670	FIG.2	630-800	145	70	75	25,5*	38	46	35		8,10

* Questi morsetti temprati reversibili possono essere forniti anche con la quota DH7= 28mm

* Also available in DH7= 28mm

► MORSETTI TEMPRATI REVERSIBILI P=1,5x60°

► HARD REVERSIBLE TOP JAWS P=1,5x60°

FIG.1

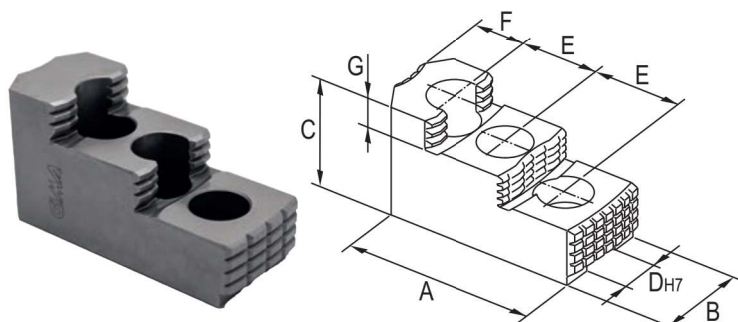
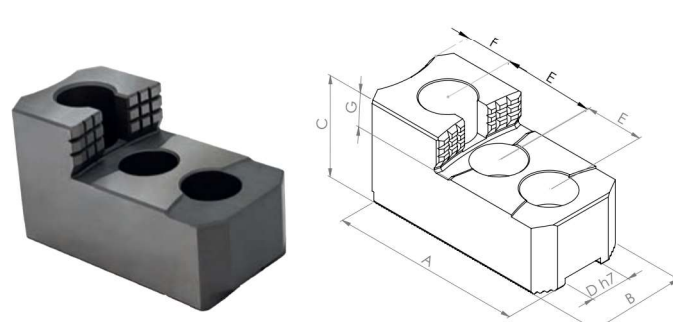


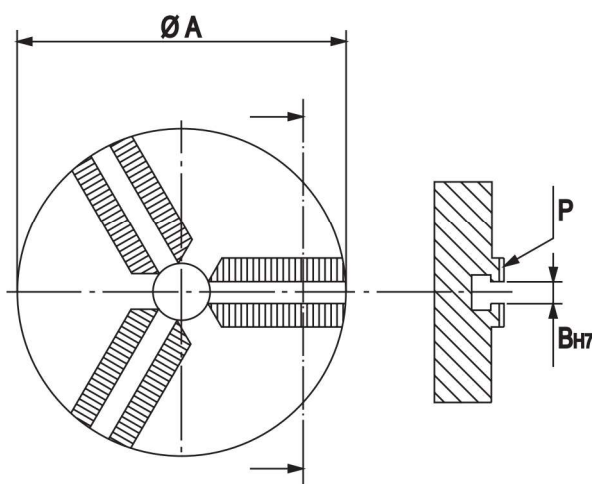
FIG.2



ART.	Gradino Step	Autocentrante Chuck Ø	A	B	C	DH7	E	F	G	P	Peso Kg per serie 3pz Weight Kg 3-piece set
26610-M	FIG.1	125-130	58	30	38	12	16	13	8,5	1,5x60°	0,80
HB06A1G	FIG.2	165-175	66,6	31	36	12	20	15	12		0,90
HB08A1G	FIG.1	210	86	35	51	14	25	15	12		1,90
HB10A1G	FIG.1	250	99,5	40	54	16	30	23	13		2,80
HB12N1G	FIG.2	305-315	103	50	52	21	30	22	17		3,70
HB15A1G	FIG.1	400	149	62	86	25,5	43	27	21		9,60

► FLANGE PER SAGOMATURA DELLE GRIFFE FUORI MACCHINA

► JAW TURNING FIXTURES



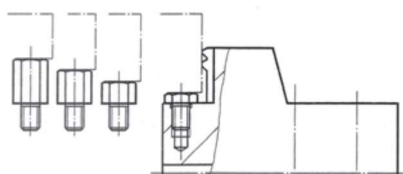
ART.	Ø Flangia Flange	A	BH7	P	Peso Kg CAD.PZ. Weight Kg per piece
2590	125	125	12	1/16"x90°	2,10
2591	200	200	14		6,50
2592	210	210	17		6,80
2593	250	250	21		12,80
2594	315	315	21		19,00

SMW – Autoblok

Griffe temprate per pezzi grezzi Hard top gripper jaws for workpieces

Esempi e caratteristiche di bloccaggio con griffe per pezzi grezzi Technical specifications and clamping with hard top gripper jaws

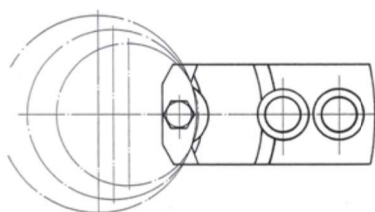
FIG.1



Esempio di bloccaggio con possibilità di regolazione dell'altezza di presa mediante gli appoggi.

Clamping height adjustment by means of insert screws.

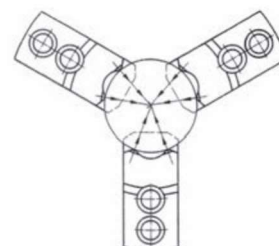
FIG.2



Esempio di bloccaggio di una griffa su vari diametri.

Gripper jaw clamping on various diameters.

FIG.3

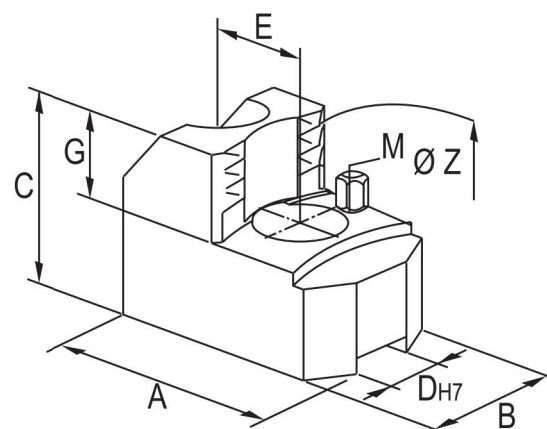


Esempio di assoluta sicurezza di presa grazie al serraggio in sei punti.

The six-point clamping system ensures absolute safe workpiece clamping.

► SMW - AUTOBLOK

APPOGGI PAG. 25 INSERT SCREWS PAGE 25



► AUTOBLOK Ø165 AL-D / IN-D / BH-D

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3001	30-50	65	35	40	14	16,5	11-18	1/16"x90°	25	M 6	1,25
3002	50-70	63	35	40							1,10
3003	70-90	58	35	49							1,20
3004	90-110	58	40	52							1,50
3005	110-130	63	40	52							1,44
3006	130-150	66	40	54							1,90
3007	150-170	78	40	54							2,10

AUTOBLOK Ø200-210 AL-D / IN-D / BH-D

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3010	30-60	85	35	48	17	22	13-19	1/16"x90	25	6 MA	2,10
3011	60-90	80	40	48							2,00
3012	90-120	68	40	50							1,80
3013	120-150	65	40	56							1,80
3014	150-180	70	40	58							2,20
3015	180-230	80	50	58						M8	3,30

AUTOBLOK Ø250 AL-D / IN-D

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3020	40-70	105	45	48	21	30	17-25	1/16"x90°	25	M6	3,10
3021	70-120	90	45	50						M8	2,50
3022	120-170	75	50	58							2,90
3023	170-230	85	60	58							3,30
3024	230-280	108	60	65					30	M10	4,90

AUTOBLOK Ø250 BH-D

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
4020	40-75	107	45	49	21	30	17-25	1/16"x90°	25	M6	3,30
4021	75-110	92	45	49						M8	2,80
4022	110-145	77	50	58							3,00
4023	145-180	82	60	58							4,20
4024	180-215	86	60	65					4,40		
4025	215-250	104	60	65					5,50		
4026	250-285	122	60	65					6,20		

AUTOBLOK Ø250 BB-D

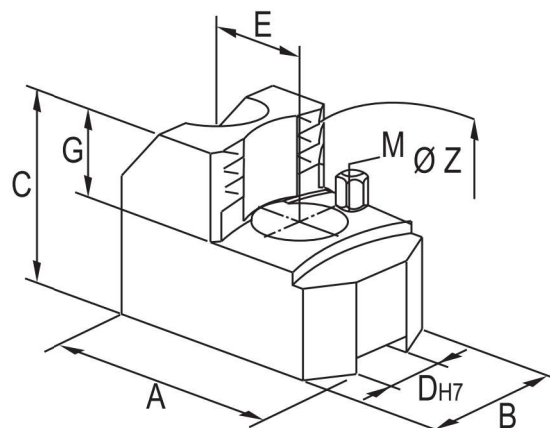
ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
4027	40/70	112	45	48	21	30	17-25	1/16X90	25	M6	3,60
4028	70/100	98	45	48						M8	3,20
4029	100/130	83	45	48							2,60
4030	130/160	75	50	58							3,10
4031	160/190	72	58	58					3,05		
4032	190/220	87	58	65					4,60		
4033	220/250	102	58	65					5,50		

SMW – Autoblok

Griffe temprate per pezzi grezzi
Hard top gripper jaws for workpieces

► SMW - AUTOBLOK

APPOGGI PAG. 25
INSERT SCREWS PAGE 25



► AUTOBLOK Ø315 AL-D / IN-D / BH-D

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3030	50-100	125	50	49	21	30	17-25	1/16"x90°	25	M6	4,80
3031	100-150	105	50	49						M8	3,90
3032	150-200	88	50	65					30	M10	4,20
3033	200-250	85	60	65							4,50
3034	250-330	115	60	68							5,70

► AUTOBLOK Ø315 BB-D

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
4035	50-85	130	50	50	21	30	17-25	1/16x90	25	M6	5,30
4036	85-120	115	50	50							4,60
4037	120-155	98	50	55					30	M8	4,00
4038	155-190	82	50	55							3,20
4039	190-225	80	58	65							4,50
4040	225-260	79	58	65							4,20
4041	260/295	97	58	65							5,20
4042	295/330	115	58	65							6,10

AUTOBLOK Ø400 IN-D / AN-D / BH-D

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3016	100-190	142	50	50	21	30	17-25	1/16"x90°	30	M10	4,90
3017	190-280	100	59	59							4,80
3018	280-370	110	70	65							7,50
3019	370-450	155	80	75							12,00
3016 - 25,5	100-170	163	55	67	*25,5	38	21-31	3-32"x90°	35		8,00
3017 - 25,5	170-240	131	60	67					6,70		
3018 - 25,5	240-310	125	70	85					40		10,20
3019 - 25,5	310-430	165	80	85							12,00

AUTOBLOK Ø500 AL-D / IN-D / BH-D

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3025	100-175	195	60	60	*25,5	38	21-31	3/32"x90°	40	M8	11,00
3026	175-275	163	60	60						M10	8,30
3027	275-375	113	80	78							9,40
3028	375-475	130	80	85					11,00		
3029	475-550	179	90	85					45		13,50

AUTOBLOK Ø630 AL-D / IN-D / BH-D

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3035	210-290	195	68	65	*25,5	38	21-31	3/32"x90°	40	M10	12,60
3036	290-390	163	68	65							10,40
3037	390-490	120	78	80							9,20
3038	490-590	135	78	85					45		11,00
3039	590-660	180	90	90							15,00

*Possono anche essere forniti con quota DH7=28 mm

*Available also in size DH7=28 mm

SMW – Autoblok

Griffe temprate per bloccare pezzi grezzi di piccoli diametri
Hard top gripper jaws for small diameters

► SMW - AUTOBLOK

FIG.1

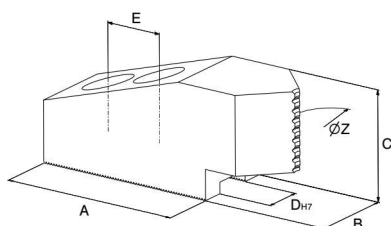
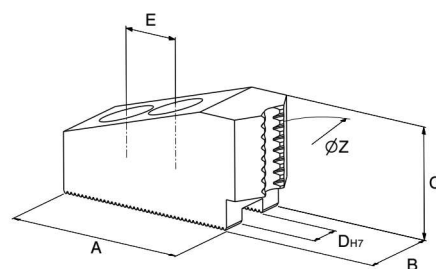


FIG.2



► AUTOBLOK Ø165 BH-D / IL-D / AN-D - AUTOBLOK Ø175 BB-D

ART.	Denti Serration	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	Peso Kg per serie 3pz Weight Kg 3-piece set
3084	FIG.1	4-15	80	30	40	14	16,5	11-18	1/16X90	1,30
4080	FIG.2	15-30	74	30	40	14	16,5	11-18	1/16X90	1,10

► AUTOBLOK Ø210 BB-D / BH-D / IL-D / AN-D

ART.	Denti Serration	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	Peso Kg per serie 3pz Weight Kg 3-piece set
3085	FIG.1	4-15	100	35	46	17	23	13-19	1/16X90	2,50
3081	FIG.2	15-35	92	40	49	17	23	13-19	1/16X90	2,90

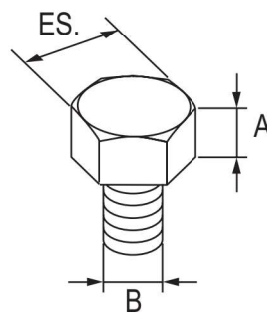
► AUTOBLOK Ø250 BB-D / BH-D / AN-D / IL-D

ART.	Denti Serration	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	Peso Kg per serie 3pz Weight Kg 3-piece set
4086	FIG.1	4-20	119	45	55	21	30	17-25	1/16X90	3,95
4082	FIG.2	20-45	110	50	50	21	30	17-25	1/16X90	3,8

► AUTOBLOK Ø315 BB-D / BH-D / IL-D / AN-D

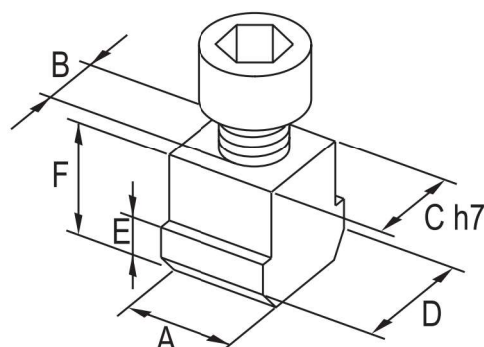
ART.	Denti Serration	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	Peso Kg per serie 3pz Weight Kg 3-piece set
4087	FIG.1	5-30	148	45	57	21	30	17-25	1/16X90	5,5
4083	FIG.2	30-60	133	45	57	21	30	17-25	1/16X90	5,3

► **APPOGGI PER GRIFFE TEMPRATE**
 ► **INSERT SCREWS FOR HARD TOP GRIPPER JAWS**



	ART.	ES.	A	Peso Kg per serie 3pz Weight Kg 3-piece set
M6	2750	10	5	0,025
	2751		10	0,035
	2752		15	0,040
	2753		20	0,055
M8	2760	13	5	0,035
	2761		10	0,055
	2762		15	0,070
	2763		20	0,080
M10	2770	17	5	0,050
	2771		10	0,080
	2772		15	0,110
	2773		20	0,135
	2774		25	0,140
	2775		30	0,145
	2776		35	0,150
	2777		40	0,180

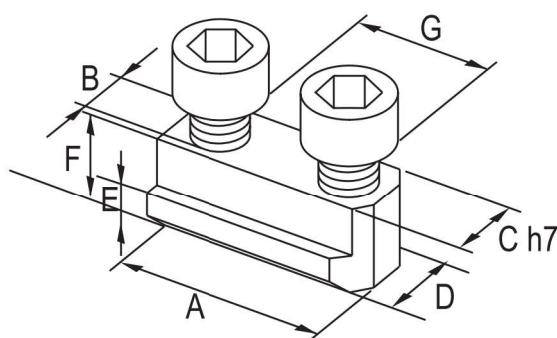
► TASSELLO SINGOLO ► SINGLE T-NUTS



ART.	Autocentrante Chuck Ø	A	B	Ch7	D	E	F	Peso Kg CAD.PZ. Weight Kg per piece
2118	165-170	18	M10	14	20	7,5	20	0,050
2119	200-210-220	18	M12	17	22	8	22	0,045
2120	250-315-400	24	M16	21	29	11	25	0,090
2121	500-630	30	M20	28	35	15	35	0,120
2780	800	32		28	40	15,5	40	0,350
2121-25,5	400-500-630	30		25,5	35	15	35	0,160
2780-25,5	610-630-800	32		25,5	40	15,5	40	0,240

Attenzione! Le viti vengono vendute a parte
Please note: insert screws are sold separately

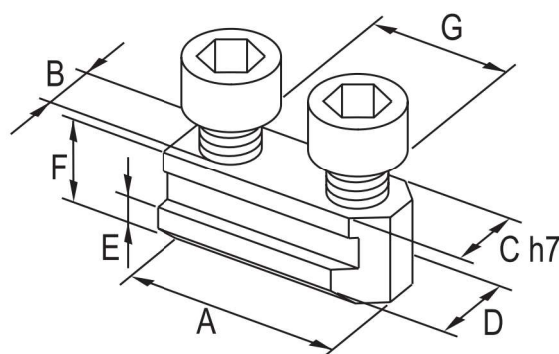
► TASSELLO DOPPIO ► DOUBLE T-NUTS



ART.	Autocentrante Chuck Ø	A	B	Ch7	D	E	F	G	Peso Kg CAD.PZ. Weight Kg per piece
2117	125	30	M 8	12	17	6,5	15	16	0,040
2791	165-170	35	M 10	14	20	7,5	20	16,5	0,065
2792	200-210-220	42	M 12	17	22	8	22	23	0,095
2793	250-315-400	54	M 16	21	29	11	25	30	0,180

Attenzione! Le viti vengono vendute a parte
Please note: insert screws are sold separately

► TASSELLO TIPO BH ► BH T-NUT

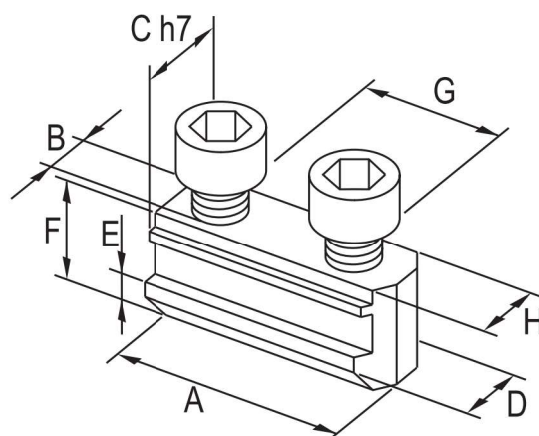


ART.	Autocentrante Chuck Ø	A	B	Ch7	D	E	F	G	Peso Kg CAD. PZ. Weight Kg per piece
2790-BH	125	32	M 10	12	15	6,5	15	16	0,035
2791-BH	165-175	32	M 10	14	17	6	18	16,5	0,045
2792-BH	210	43	M 12	17	19	7	20	23	0,080
2793-BH	250-305-315	56	M 16	21	25	10	26,5	30	0,145
2794-BH	400	60	M 16	21	30	14,5	33	34	0,145
2795-BH	400-500	70	M 20	25,5	30	14,5	33	38	

Attenzione! Le viti vengono vendute a parte
Please note: insert screws are sold separately

► TASSELLO TIPO BH RIBASSATO PER AUTOCENTRANTE PASSO METRICO

► BH LOWERED METRIC SERRATION T-NUT FOR CHUCKS



ART.	Autocentrante Chuck Ø	A	B	Ch7	D	E	F	G	H7	Peso Kg CAD. PZ. Weight Kg per piece
2796	165-175	36	M 10	14	17	6	18	20	12	0,040
2797	210	45	M 12	17	19	7	20	25	14	0,065
2798	250	56	M 12	21	25	10	26,5	30	16	0,130

Attenzione! Le viti vengono vendute a parte
Please note: insert screws are sold separately

MORSETTI STANDARD STANDARD JAWS

FIG.1

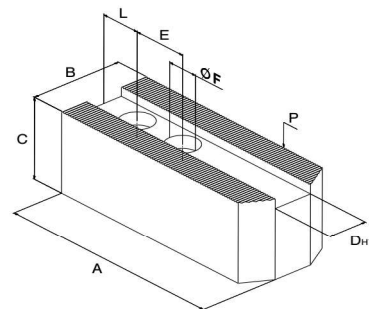


con smusso
with chamfer

FIG.2



senza smusso
without chamfer



ART.	Smusso Chamfer	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	L	P	Peso Kg CAD.PZ. Weight Kg per piece
2636	FIG.1	110	50	20	25	8	15	7-11	8	1,5 x 60°	0,20
2637	FIG.1	110-135	55	25	30	10	14	8,5-14	13		0,20
2638	FIG.1	135	60	25	30	10	18	8,5-14	14		0,20
2583	FIG.1	165	72	30	30	12	20	11-18	20		0,35
2584	FIG.1	210	95	35	35	14	25	13-19	24		0,65
2586	FIG.1	254	110	40	40	16	30	13-19	30		1,10
2586-P20	FIG.1	254	110	40	40	16	30	13-19	20		1,10
2587	FIG.2	304	130	50	50	18	30	15-23	39		2,10
2588	FIG.2	304-315	130	50	50	21	30	17-25	39		2,00
2589	FIG.2	381-454	165	60	70	22	43	21-31	37		4,50
2589-25,5	FIG.2	381-454	165	60	70	25,5	43	21-31	37	3 x 60°	4,50
2599	FIG.2	530-610	180	70	70	25	60	21-31	40		5,80

MORSETTI LARGHI WIDE JAWS

FIG.1

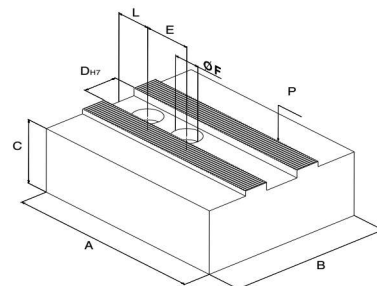


con smusso
with chamfer

FIG.2

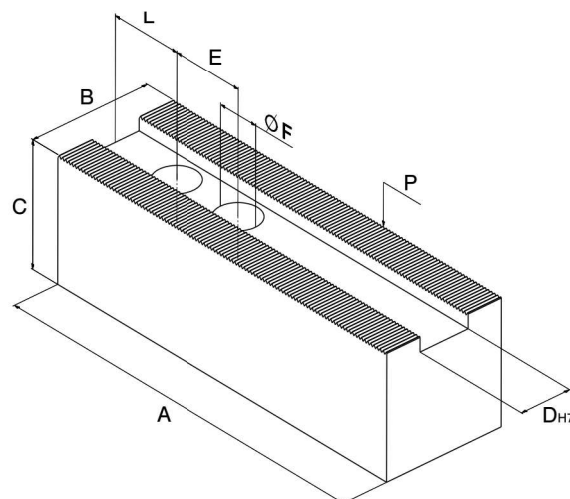


senza smusso
without chamfer



ART.	Smusso Chamfer	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	L	P	Peso Kg CAD.PZ. Weight Kg per piece
2583-35x35	FIG.1	165	72	35	35	12	20	11-18	20	1,5 X 60°	0,50
2583-50x50	FIG.1	165	72	50	50	12	20	11-18	20		1,00
2584-40x40	FIG.1	210	95	40	40	14	25	13-19	24		0,80
2584-50x50	FIG.1	210	95	50	50	14	25	13-19	24		1,40
2584-60x40	FIG.2	210	95	60	40	14	25	13-19	24		1,40
2584-80x40	FIG.2	210	95	80	40	14	25	13-19	24		4,20
2586-45x45	FIG.1	254	110	45	45	16	30	13-19	30		1,40
2586-50x50	FIG.2	254	110	50	50	16	30	13-19	30		1,80
2586-60x60	FIG.2	254	110	60	60	16	30	13-19	30		2,60
2586-60x40	FIG.2	254	110	60	40	16	30	13-19	30		1,70
2586-80x40	FIG.2	254	110	80	40	16	30	13-19	30		2,30
2586-70x70	FIG.2	254	110	70	70	16	30	13-19	30		4,00
2586-80x80	FIG.2	254	110	80	80	16	30	13-19	30		4,80
2587-80x50	FIG.2	304	130	80	50	18	30	15-23	39		3,50
2588-80x50	FIG.2	304-315	130	80	50	21	30	17-25	39		3,50
2588-80x80	FIG.2	304-315	130	80	80	21	30	17-25	39		5,70
2588-100x100	FIG.2	304	130	100	100	21	30	17-25	39		9,00
2589-80x80	FIG.2	381-454	165	80	80	22	43	21-31	37		7,00

MORSETTI LUNGI LONG JAWS



ART.	Smusso Chamfer	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	L	P	Peso Kg CAD.PZ. Weight Kg per piece
2583L	FIG.1	165	81	30	30	12	20	11-18	20	1,5 x 60°	0,40
2584L	FIG.1	210	102	35	40	14	25	13-19	24		0,85
2584L-120	FIG.2	210	120	40	40	14	25	13-19	24		1,50
2584L-140	FIG.2	210	140	40	40	14	25	13-19	24		1,40
2586L	FIG.1	254	125	40	40	16	30	13-19	30		1,20
2586L-150	FIG.2	254	150	50	50	16	30	13-19	30		2,50
2586L-180	FIG.2	254	180	50	50	16	30	13-19	30		3,00
2587L	FIG.1	304	145	50	50	18	30	15-23	39		2,30
2587L-160	FIG.2	304	160	50	50	18	30	15-23	39		2,60
2587L-180	FIG.2	304	180	50	50	18	30	15-23	39		2,90
2587L-200	FIG.2	304	200	50	50	18	30	15-23	39		3,30
2588L	FIG.1	304-315	145	50	50	21	30	17-25	39		2,30
2588L-160	FIG.2	304-315	160	50	50	21	30	17-25	39		2,60
2588L-180	FIG.2	304-315	180	50	50	21	30	17-25	39		2,90
2588L-200	FIG.2	304-315	200	50	50	21	30	17-25	39		3,30
2589L-200	FIG.2	381-454	200	70	70	22	43	21-31	37	3 x 60°	6,50
2589L-230	FIG.2	381-454	230	70	70	22	43	21-31	37		7,60
2673	FIG.2	530-610	230	80	80	25	60	21-31	40	3 x 60°	10,30

FIG.1



con smusso
with chamfer

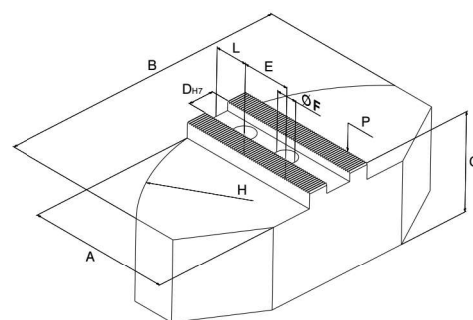
FIG.2



senza smusso
without chamfer

MORSETTI AVVOLGENTI IN ACCIAIO E ALLUMINIO

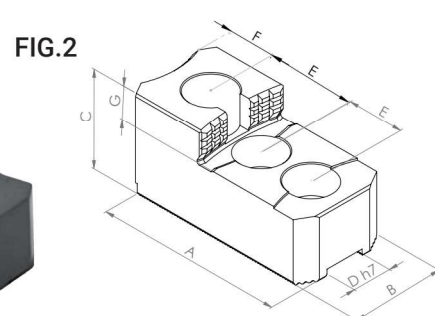
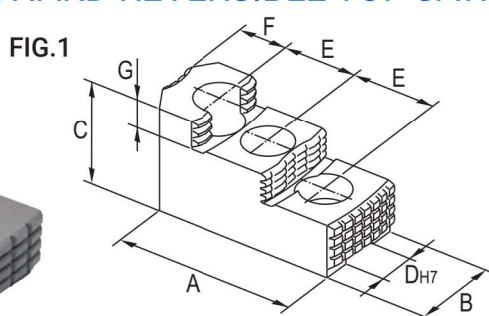
STEEL AND ALUMINUM JAWS



ART.	Materiale Material	Autocentrante Chuck Ø	A	B	C	DH7	E	F	Ø H	L	P	Peso Kg per serie 3pz Weight Kg 3-piece set
3580	Acciaio Steel	165	60	120	40	12	20	11-18	165	15	1,5 x 60°	3,30
3580-A	Alluminio Aluminum				49							1,65
3581	Acciaio Steel	210	75	140	50	14	25	13-19	210	15		7,80
3581-A	Alluminio Aluminum				59							3,30
3582	Acciaio Steel	254	90	180	60	16	30	13-19	250	24		14,70
3582-A	Alluminio Aluminum				78							7,10
3583	Acciaio Steel	304	110	240	60	21	30	17-25	315	25		22,50
3583-A	Alluminio Aluminum				78							10,80
3584	Acciaio Steel	381	120	280	80	22	43	21-31	380	28,5		37,20
3584-A	Alluminio Aluminum				78							13,20

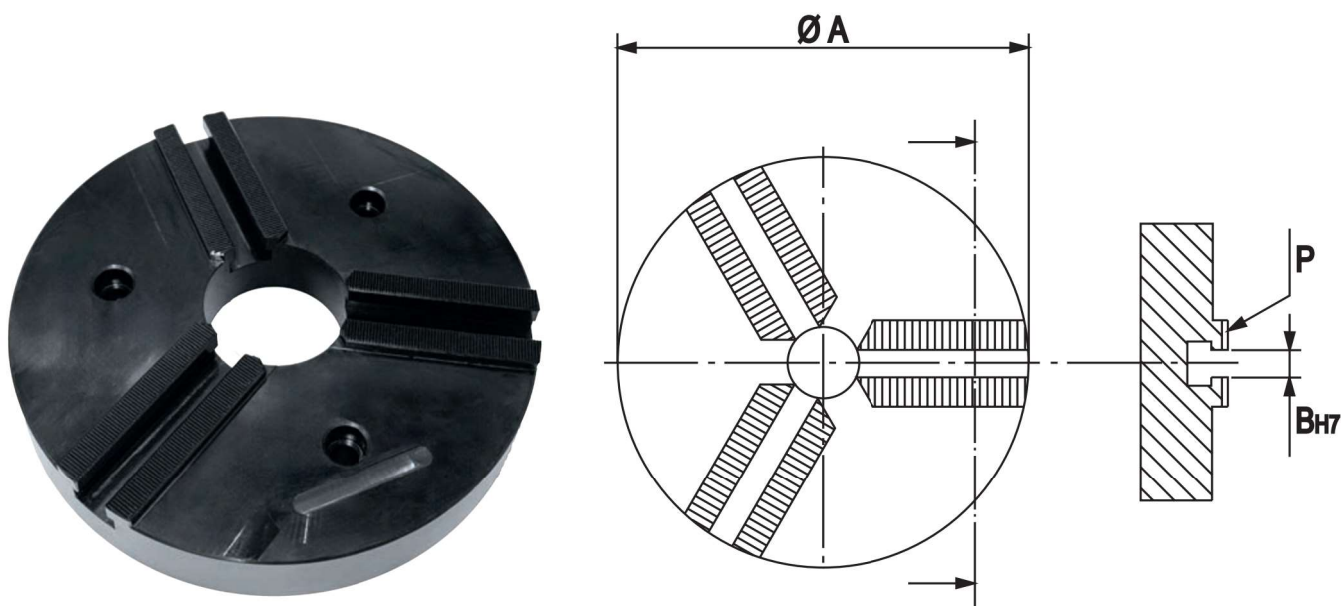
MORSETTI TEMPRATI REVERSIBILI TIPO KITAGAWA

KITAGAWA HARD REVERSIBLE TOP JAWS



ART.	Gradino Step	Autocentrante Chuck Ø	A	B	C	DH7	E	F	P	G	Peso Kg per serie 3pz Weight Kg 3-piece set
HB04N1-G	FIG.2	110-135	53	23	27,5	10	14	16	1,5 x 60°	10	0,40
HB06A1-G	FIG.2	165	66,6	31	36	12	20	15		12	0,90
HB08A1-G	FIG.1	210	86	35	51	14	25	15		12	1,90
HB10A1-G	FIG.1	254	99,5	40	54	16	30	23		13	2,80
HB12B1-G	FIG.2	304	97,5	50	55	18	30	19		17	3,75
HB12N1-G	FIG.2	304	103	50	52	21	30	22		17	3,65
HB15A1-G	FIG.2	381-454	143	62	86	22	43	27		20	9,60
HB15N1-G	FIG.2	381-454	149	62	86	25,5	43	28		20	9,60
HB18B2-G	FIG.2	530-610	159,5	90	90	25	50	30	3 x 60°	40	14,50

▶ FLANGE PER SAGOMATURA DELLE GRIFFE FUORI MACCHINA ▶ JAW TURNING FLANGES



ART.	Flangia Flange Ø	A	BH7	P	Peso Kg CAD. PZ Weight Kg per piece
2740	135	135	10	1,5 x 60°	2,20
2741	165	165	12		6,00
2742	210	210	14		6,80
2743	250	254	16		12,80
2744	300	304	18		19,80
2745	300	304	21		19,65
2746	380	380	22		31,00

► GRIFFE TEMPRATE PER PEZZI GREZZI ► HARD TOP GRIPPER JAWS

Esempi di bloccaggio con griffe per pezzi grezzi Gripper jaw clamping examples

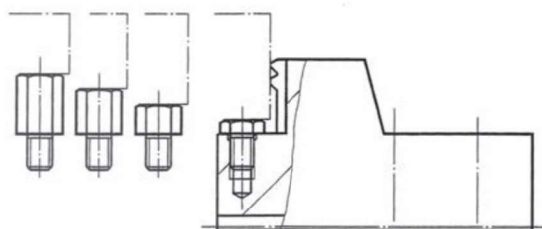


Fig.1

Esempio di bloccaggio con possibilità di regolazione dell'altezza di presa mediante gli appoggi.

Clamping height adjustment by means of insert screws.

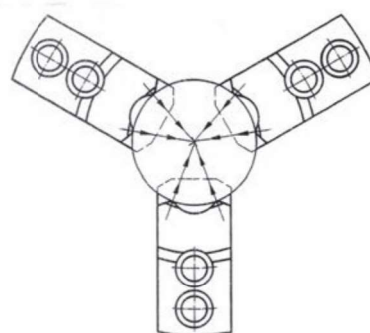


Fig.2

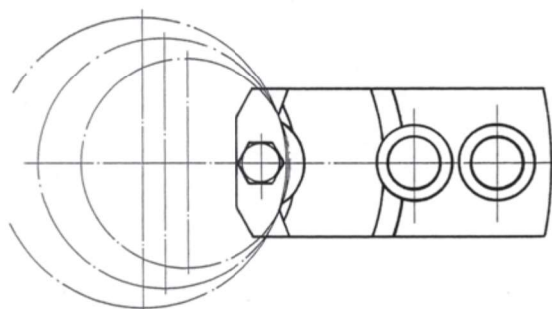
Esempio di assoluta sicurezza di presa grazie al serraggio in sei punti.

The six-point clamping system ensures absolute safe workpiece clamping.

Fig.3

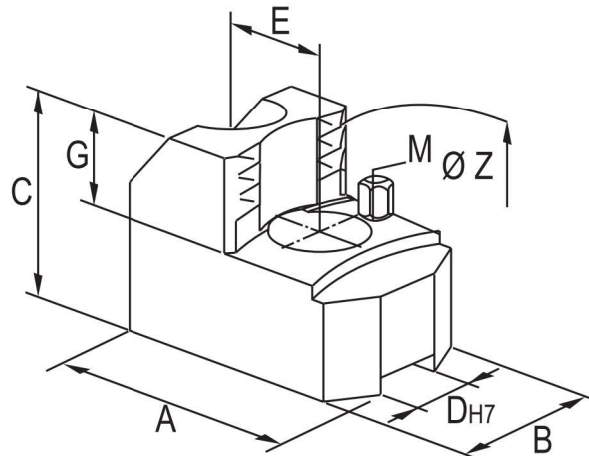
Esempio di bloccaggio di una griffa su vari diametri.

Gripper jaw clamping on various diameters.



GRIFFE TEMPRATE PER PEZZI GREZZI HARD TOP GRIPPER JAWS

APPOGGI PAG. 25
INSERT SCREWS PAGE 25



KITAGAWA Ø165-6" B / BB / BR

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3040	30-50	76	30	40	12	20	11-18	1,5 x 60°	25	M6	1,30
3041	50-70	68	30	40							1,30
3042	70-90	63	35	50							1,40
3043	90-110	58	40	50							1,60
3044	110-130	63	40	50							1,60

KITAGAWA Ø210-8" B / BB / BR

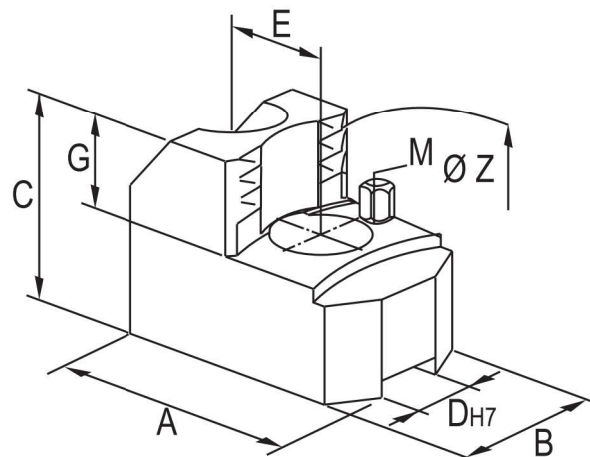
ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3051	30-60	91	35	49	14	25	13-19	1,5 x 60°	25	M6	2,30
3052	60-90	80	35	49							1,90
3053	90-120	68	40	58							2,20
3054	120-150	65	40	58							2,00
3055-1	150-210	72	45	58							2,80
3055-2	180-210	88	45	58							2,80

KITAGAWA Ø254-10" B / BB / BR

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3060	40-80	105	40	49	16	30	13-19	1,5 x 60°	25	M8	3,10
3061	80-120	90	40	49							2,30
3062	120-160	80	45	58							2,65
3063	160-200	80	50	58							3,10
3064	200-280	108	60	65					30	M10	5,40

GRIFFE TEMPRATE PER PEZZI GREZZI HARD TOP GRIPPER JAWS

APPOGGI PAG. 25
INSERT SCREWS PAGE 25



KITAGAWA Ø304-12" B / BB / BR

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3070	50-100	120	50	49	18	30	15-23	1,5 x 60°	25	M8	4,60
3071	100-150	102	50	49							3,60
3072	150-200	90	60	65					30	M10	4,80
3073	200-300	115	60	65							5,40
3074	50-100	117	50	49	21	30	17-25	1,5 x 60°	25	M8	4,60
3075	100-150	102	50	49							3,50
3076	150-200	90	60	65					30	M10	4,70
3077	200-300	115	60	65							5,30

KITAGAWA Ø381-15" B15

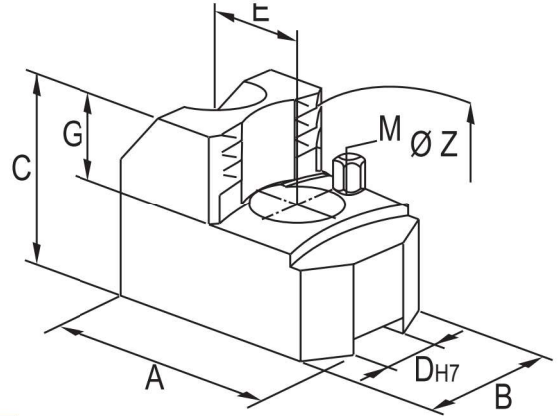
ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3045	100-150	148	60	68	22	43	21-31	1,5 x 60°	45	M8	8,00
3046	150-200	125	60	68							6,50
3047	200-275	108	65	90						M10	8,80
3048	275-350	123	70	90							9,80
3049	350-425	158	80	95							15,20
3050	425-540	240	90	95							27,00

KITAGAWA Ø454-18" B18

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3056	150-250	128	60	68	22	43	21-31	1,5 x 60°	45	M10	6,50
3057	250-350	120	70	90							9,70
3058	350-450	160	80	90							14,20
3059	450-550	210	90	90							21,50
3008	550-650	290	90	95							30,50

GRIFFE TEMPRATE PER PEZZI GREZZI HARD TOP GRIPPER JAWS

APPOGGI PAG. 25
INSERT SCREWS PAGE 25



KITAGAWA Ø454 BB-218 Ø166 open center

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3056 BB218	150-225	150	60	68	25,5	43	21-31	1,5X60	45	M10	8,70
3057 BB218	225-300	120	70	90							10,60
3058 BB218	300-375	118	70	90							10,30
3059 BB218	375-450	160	80	90							15,30
3008 BB218	450-525	205	90	93							21,90

KITAGAWA Ø530-21" B-21

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3065	250-380	130	70	100	25	60	21-31	3 x 60°	50	M10	29,90
3066	380-510	160	80	100					14,60		
3067	510-640	235	90	115					29,50		
3068	640-760	310	100	115					43,00		

KITAGAWA Ø530 BB-221 Ø166 open center

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3065 BB221	230-350	135	70	100	25,5	43	21-31	1,5 x 60°	45	M10	12,30
3066 BB221	350-470	142	80	100							16,00
3067 BB221	470-590	217	90	115							29,20
3068 BB221	590-710	280	90	120							38,60

KITAGAWA Ø610-24" B/BB/BR

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3101	300-460	130	80	95	25	60	21-31	3 x 60°	50	M10	13,90
3102	460-620	200	90	110					24,30		
3103	620-780	290	100	115					39,70		
3104	750-900	365	100	120					52,00		

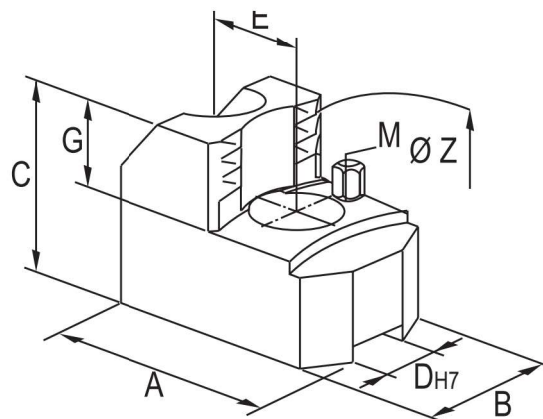
GRIFFE TEMPRATE PER PEZZI GREZZI

Samchully MH con grande passaggio barra

HARD TOP GRIPPER JAWS

Samchully MH with large open center

APPOGGI PAG. 25
INSERT SCREWS PAGE 25



SAMCHULLY Ø450 MH-218

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3056 S218	150-225	15	60	68	22	50	21-31	1,5X60	45	M10	8,70
3057 S218	225-300	120	70	90	22	50	21-31	1,5X60	45	M10	10,90
3058 S218	300-375	113	70	90	22	50	21-31	1,5X60	45	M10	10,40
3059 S218	375-450	158	80	90	22	50	21-31	1,5X60	45	M10	15,40
3008 S218	450-525	203	90	93	22	50	21-31	1,5X60	45	M10	22,00

SAMCHULLY Ø530 MH-221

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3065 S221	250-350	135	70	100	25	60	21-31	3X60°	50	M10	15,50
3066 S221	350-450	140	80	100	25	60	21-31	3X60°	50	M10	15,20
3067 S221	450-550	200	90	115	25	60	21-31	3X60°	60	M10	27,30
3068 S221	550-650	250	90	115	25	60	21-31	3X60°	60	M10	32,50

SAMCHULLY Ø610 MH-224

ART.	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	P	G	M	Peso Kg per serie 3pz Weight Kg 3-piece set
3101 S224	250-390	150	78	95	25	60	21-31	3X60°	50	M10	15,30
3102 S224	390-530	145	90	110	25	60	21-31	3X60°	60	M10	19,10
3103 S224	530-670	220	100	115	25	60	21-31	3X60°	60	M10	31,80
3104 S224	670-810	305	100	115	25	60	21-31	3X60°	60	M10	41,50

► GRIFFE TEMPRATE PER PEZZI GREZZI DI PICCOLI DIAMETRI

► HARD TOP GRIPPER JAWS FOR SMALL DIAMETER WORKPIECES

FIG.1

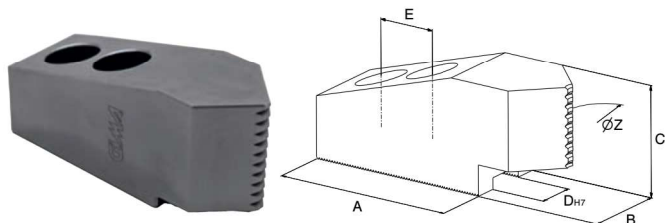
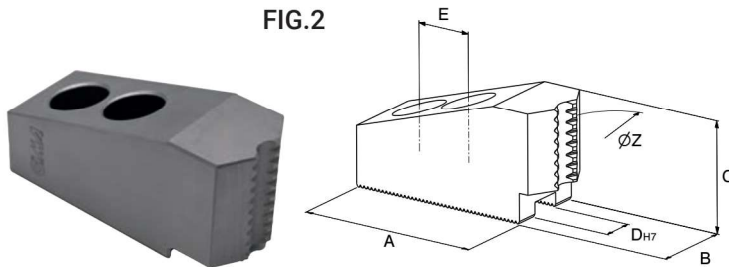


FIG.2



► KITAGAWA Ø165-6" BB-BR

ART.	Denti Serration	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	Peso Kg per serie 3pz Weight Kg 3-piece set
3095	FIG.1	4-15	79	30	40	12	20	11-18	1,50
3090	FIG.2	15-30	75	30	40	12	20		2,40

► KITAGAWA Ø210-8" BB-BR

ART.	Denti Serration	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	Peso Kg per serie 3pz Weight Kg 3-piece set
3096	FIG.1	4-15	94	35	46	14	25	13-19	2,40
3091	FIG.2	15-35	90	35	49	14	25		2,50
4051	FIG.2	35-65	81	35	49	14	25		2,00

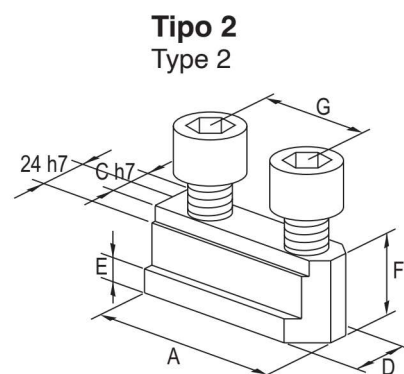
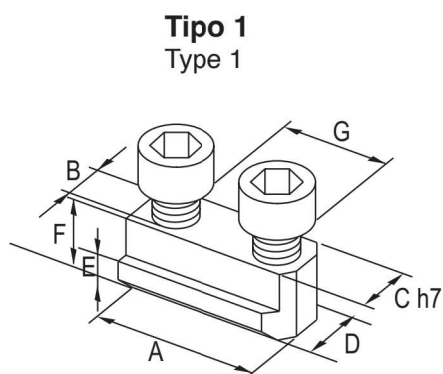
► KITAGAWA Ø254-10" BB-BR

ART.	Denti Serration	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	Peso Kg per serie 3pz Weight Kg 3-piece set
3097	FIG.1	4-20	111	40	50	16	30	13-19	3,90
3092	FIG.2	20-45	105	40	50	16	30		3,50
4060	FIG.2	40-80	94	40	49	16	30		3,00

► KITAGAWA Ø304-12" BB-BR

ART.	Denti Serration	Campo di bloccaggio Ø Z Clamping area Ø Z	A	B	C	DH7	E	Ø F	Peso Kg per serie 3pz Weight Kg 3-piece set
3098	FIG.1	5-30	124	45	59	18	30	15-23	5,20
3093	FIG.2	30-50	112	45	57	18	30		4,70
3099	FIG.1	5-30	128	45	59	21	30	17-25	4,20
3094	FIG.2	30-50	118	45	57	21	30		4,50
4074	FIG.2	50-100	108	50	60	21	30		4,80

TASSELLI DOPPI DOUBLE T-NUTS



ART.	Ø Autocentrante Chuck Ø	Tipo Type	A	B	Ch7	D	E	F	G	Peso Kg CAD. PZ Weight Kg per piece
3100	110-135	1	26	M8	10	15	5,5	15	14	0,030
2122	165		36	M10	12	17,5	7,5	18,5	20	0,050
2122-H	165		36	M10	12	17,5	7,5	22,5	20	0,060
2123	210		46,5	M12	14	20,5	8,5	20,5	25	0,080
2123-H	210		48	M12	14	20,5	9,5	25,5	25	0,010
2124	254		51	M12	16	22,5	8,5	21,5	30	0,120
2124-H	254		55	M12	16	22,5	9,5	25,5	30	0,140
2125	304		55,5	M14	18	26,5	13,5	33,5	30	0,220
2654	304		55,5	M16	21	29,5	11,5	27,75	30	0,200
2654/BB212	304		58	M16	21	29,5	11,5	22,5	30	0,15
2655	381-454	2	80	M20	22	33,5	16,5	45,5	43	0,520
2655-A	530-610	1	90	M20	25	37,5	19	45	50	0,570
2655-B	530-610		100	M20	25	37,5	19	45	60	0,570
2655-C	381-454		80	M20	25,5	35	19	39,25	43	0,560

Attenzione! Le viti vengono vendute a parte
Please note: screws are sold separately

MORSETTI STANDARD STANDARD JAWS

FIG.1

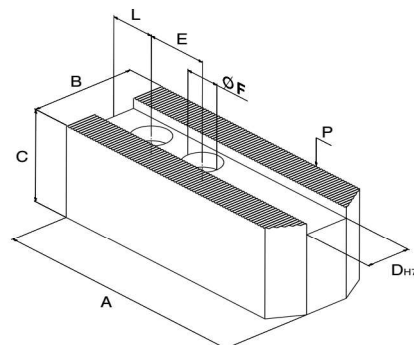


con smusso
with chamfer

FIG.2



senza smusso
without chamfer



ART.	Smusso Chamfer	Autocentrante Chuck Ø	A	B	C	DH7	E	F	L	P	Peso Kg CAD. PZ Weight Kg per piece
2637	FIG.1	110-135	55	25	30	10	14	9-15	10	1,5 x 60°	0,20
2546	FIG.1	110-135	55	25	25	11	16	9-15	10		0,20
2583	FIG.1	165	72	30	30	12	20	11-18	20		0,35
2584	FIG.1	210	95	35	35	14	25	13-19	24		0,65
2549	FIG.1	210	95	40	40	16	25	13-19	24		1,00
2586	FIG.1	254	110	40	40	16	30	13-19	30		1,10
2551	FIG.1	254	110	45	45	18	30	15-23	30		1,40
2587	FIG.2	304	130	50	50	18	30	15-23	39		2,10
2619	FIG.2	304	130	50	50	21	35	17-25	39	3 x 60°	2,10
2544	FIG.2	381	160	70	70	26	50	21-31	37		5,20

MORSETTI ALTI HIGH JAWS

FIG.1

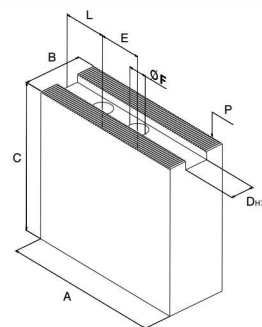


con smusso
with chamfer

FIG.2



senza smusso
without chamfer



ART.	Smusso Chamfer	Autocentrante Chuck Ø	A	B	C	DH7	E	F	L	P	Peso Kg CAD. PZ Weight Kg per piece
2640	FIG.1	110-135	55	25	50	10	14	9-15	10	1,5 x 60°	0,40
2621	FIG.1	110-135	55	25	50	11	16	9-15	10		0,40
2642	FIG.1	165	72	30	50	12	20	11-18	20		0,60
2643-C60	FIG.1	210	95	35	60	14	25	13-19	24		1,00
2644	FIG.2	210	95	35	80	14	25	13-19	24		1,70
2625	FIG.2	210	95	40	60	16	25	13-19	24		1,40
2626	FIG.2	210	95	40	80	16	25	13-19	30		2,00
2645	FIG.2	254	110	40	60	16	30	13-19	30		1,70
2646	FIG.2	254	110	40	80	16	30	13-19	30		2,30
2647	FIG.2	254	110	40	100	16	30	13-19	30		2,80
2630	FIG.2	254	110	40	60	18	30	15-23	30		1,70
2631	FIG.2	254	110	40	80	18	30	15-23	30		2,00
2648	FIG.2	304	130	50	80	18	30	15-23	39		3,30
2649	FIG.2	304	130	50	100	18	30	15-23	39		4,20
2649 - C120	FIG.2	304	130	50	100	18	30	15-23	39		5,10
2649 - C140	FIG.2	304	130	50	100	18	30	15-23	39		6,00
2650	FIG.2	304	130	50	80	21	35	17-25	39		3,30
2651	FIG.2	304	130	50	100	21	35	17-25	39		4,10
2651 - C120	FIG.2	304	130	50	100	21	35	17-25	39		5,00
2651 - C140	FIG.2	304	130	50	100	21	35	17-25	39		5,90

MORSETTI TEMPRATI REVERSIBILI HOWA - KITAGAWA

HOWA - KITAGAWA HARD REVERSIBLE TOP JAWS

FIG.1

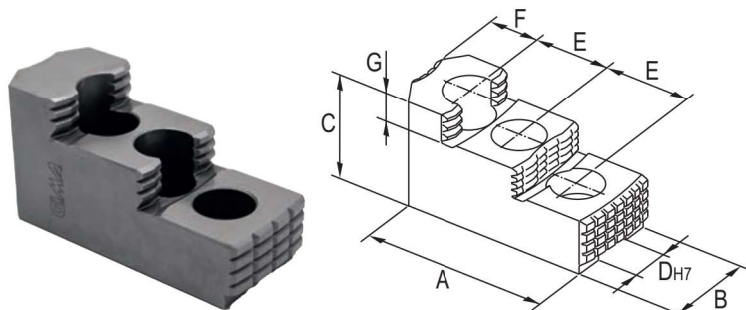
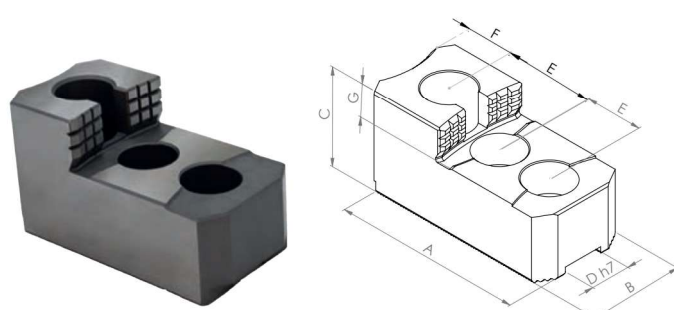


FIG.2



ART.	Gradino Step	Autocentrante Chuck Ø	A	B	C	DH7	E	F	P	G	Peso Kg per serie 3pz Weight Kg 3-piece set
HB04N1-G	FIG.2	110-135	53	23	27,5	10	14	9-15	1,5 x 60°	10	0,40
HB06A1-G	FIG.2	165	66,6	31	36	12	20	11-18		12	0,90
HB08A1-G	FIG.1	210	86	35	51	14	25	13-19		12	1,90
HB10A1-G	FIG.1	254	99,5	40	54	16	30	13-19		13	2,80
HB12B1-G	FIG.2	304	97,5	50	55	18	30	15-23		17	3,75
HB12N1-G	FIG.2	304	103	50	52	21	30	17-25		17	3,65
HB15A1-G	FIG.2	381-454	143	62	86	22	43	21-31		20	9,60
HB15N1-G	FIG.2	381-454	149	62	86	25,5	43	21-31	3 x 60°	20	9,80
HB18B2-G	FIG.2	530-610	159,5	90	90	25	50	21-31		40	14,50

Kitagawa JN..T Leave MCA NBK

Autocentranti manuali Manual chucks

FIG.1

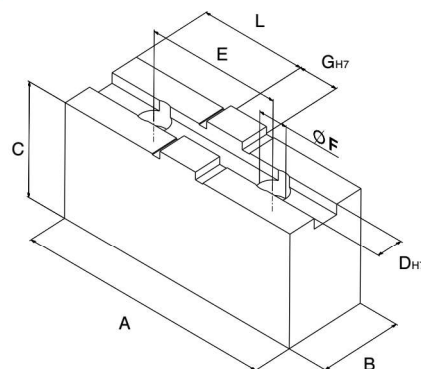


FIG.2



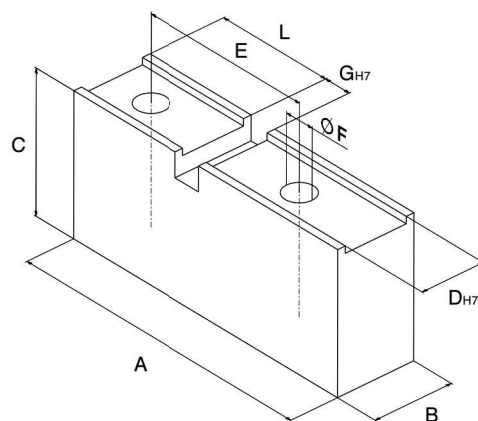
con smusso
with chamfer

senza smusso
without chamfer



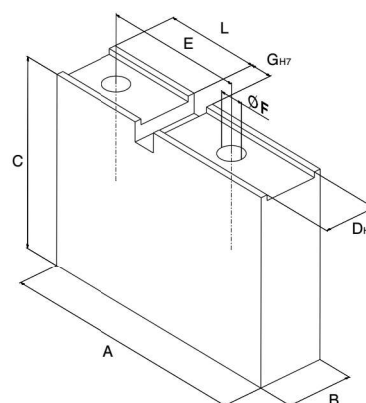
ART.	Smusso Chamfer	Autocentrante Chuck Ø	A	B	C	DH7	Gh7	E	Ø F	L	Peso Kg CAD. PZ Weight Kg per piece
2077	FIG.2	165 - 6"	74	30	45	7,95	12,7	38	9-15	30,5	0,60
2077L	FIG.1		84								0,70
2721	FIG.2	190 - 7"/8"	87	30	45	7,95	12,7	44,5	11-18	37	0,70
2721L	FIG.1		97								0,80
2079	FIG.2	232 - 270 9"-10"	103	35	50	12,7	19,05	54	13-19	42	1,10
2079L	FIG.1		115								1,20
2080	FIG.2	310 - 12"	120	40	60	12,7	19,05	63,5	13-19	59	1,90
2080L	FIG.1		135								2,10

► PINTO MANUALE ► PINTO MANUAL



ART.	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	GH7	L	Peso Kg CAD. PZ Weight Kg per piece
2011	105	50	20	20	14	25	7-11	9	16,5	0,10
2012	130	60	20	25	16	36	7-11	9	21,5	0,30
2013	160	70	25	30	18	40	7-11	9	25,5	0,35
2014	180-200	95	30	40	20	53	9-15	10	34,5	0,70
2015	230-250	110	30	40	22	62	9-15	11	42	0,85
2016	270	120	35	50	25	68	11-18	12	45	1,35
2017	310	135	35	60	28	76	13-19	12	52	1,85
2018	350-380	160	40	60	30	92	13-19	12	58	2,60
2019	430	190	50	70	36	120	13-19	12	79	4,70
2020	510	220	60	90	40	120	13-19	12	83	9,60
2021	600	220	60	90	46	130	13-19	12	94	9,50

MORSETTI ALTI HIGH JAWS



ART.	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	GH7	L	Peso Kg CAD. PZ Weight Kg per piece
2014 C50	180-200	95	30	50	20	53	9-15	10	34,5	0,90
2014 C60	180-200	95	30	60	20	53	9-15	10	34,5	1,10
2014 C80	180-200	95	30	80	20	53	9-15	10	34,5	1,70
2015 C50	230-250	110	30	50	22	62	9-15	11	42	1,00
2015 C60	230-250	110	30	60	22	62	9-15	11	42	1,30
2015 C80	230-250	110	30	80	22	62	9-15	11	42	1,70
2015 C100	230-250	110	30	100	22	62	9-15	11	42	2,20
2017 C80	310	135	35	80	28	76	13-19	12	52	2,50
2017 C100	310	135	35	100	28	76	13-19	12	52	3,50
2017 C120	310	135	35	120	28	76	13-19	12	52	3,80

PINTO IDRAULICO/PNEUMATICO PASSO 1/16"x 90° PINTO HYDRAULIC/PNEUMATIC SERRATION 1/16" x 90°

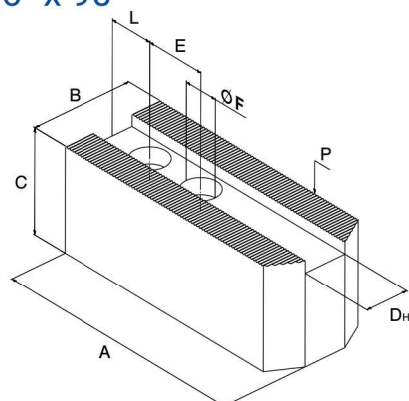


FIG.1

FIG.2

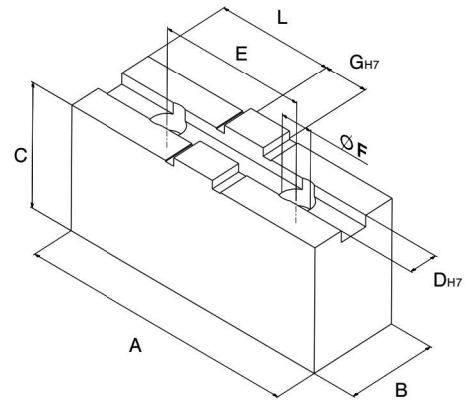


con smusso
with chamfer

senza smusso
without chamfer

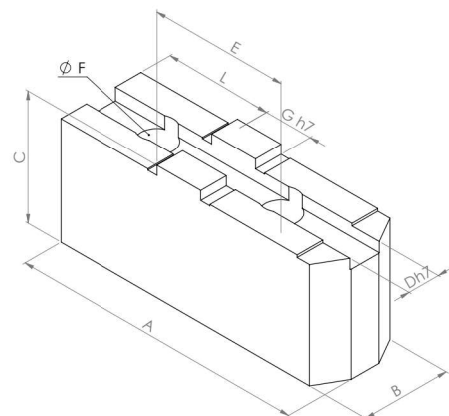
ART.	Smusso Chamfer	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	L	P	Peso Kg CAD. PZ Weight Kg per piece
2575	FIG.2	125	60	30	30	12	13	9-15	15	1/16"x90°	0,25
2002	FIG.1	160	70	35	35	14	16,5	11-18	16		0,50
2577	FIG.1	200-210-220	90	40	50	17	22	13-19	20		1,10
2578	FIG.1	250	110	50	50	21	28	17-25	22		1,60
2579	FIG.2	315	140	50	60	21	30	17-25	22		2,60
2008L-160	FIG.2	400	160	60	60	21	30	17-25	27	3/32"x90°	3,80
2581	FIG.2	500	170	70	70	28	38	21-31	27		5,80
2582	FIG.2	630	250	70	70	28	38	21-31	27		8,40

► FIAL (SOGIMUT) - WESSEL - PINTO DG.SG. - BISON - Manuale Manual Standard



ART.	Autocentrante Chuck Ø	A	B	C	DH7	Gh7	E	Ø F	L	Peso Kg CAD. PZ Weight Kg per piece
2720	160	74	30	45	7,95	12,7	38	11-18	30	0,50
2721	200	87	30	45			44,5	11-18	37	0,65
2722	250	103	35	50	12,7	19,03	54	14-20	42	1,00
2723	315	120	40	60			63,5	14-20	50	1,80
2724	400	137	40	60			76	17-25	59	1,90
2800	500-630	160	50	70			76	21-31	70	4,80

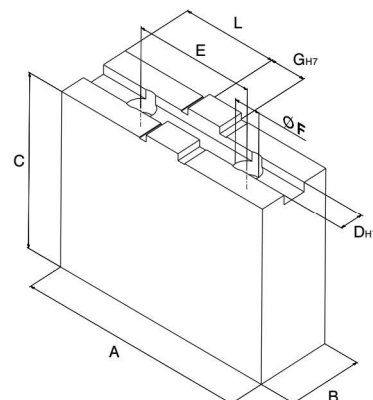
► FIAL (SOGIMUT) - WESSEL - PINTO DG.SG. - BISON - Manuale Manual Lunghi Long



ART.	Autocentrante Chuck Ø	A	B	C	DH7	Gh7	E	Ø F	L	Peso Kg CAD. PZ Weight Kg per piece
2720L	160	87	30	45	7,95	12,7	38	11-18	30	0,70
2721L	200	97	30	45			44,5	11-18	37	0,80
2722L	250	115	35	50	12,7	19,03	54	14-20	42	1,20
2723L	315	135	40	60			63,5	14-20	50	2,00
2724L	400	155	40	60			76	17-25	59	2,20

► FIAL (SOGIMUT) - WESSEL - PINTO DG.SG. - BISON - Manuale Manual

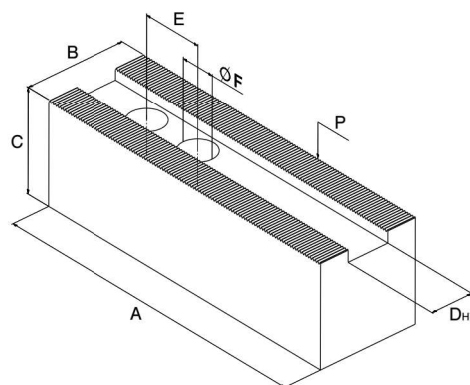
Alti High



ART.	Autocentrante Chuck Ø	A	B	C	DH7	Gh7	E	Ø F	L	Peso Kg CAD. PZ Weight Kg per piece
2720-C60	160	74	30	60	7,95	12,7	38	11-18	30	0,80
2720-C80	160	74	30	80			38	11-18	30	1,00
2720-C100	160	74	30	100			38	11-18	30	1,30
2721-C60	200	87	30	60			44,5	11-18	37	0,95
2721-C80	200	87	30	80			44,5	11-18	37	1,30
2721-C100	200	87	30	100			44,5	11-18	37	1,60
2722-C60	250	103	35	60	12,7	19,03	54	14-20	42	1,30
2722-C80	250	103	35	80			54	14-20	42	1,80
2722-C100	250	103	35	100			54	14-20	42	2,30
2723-C80	315	120	40	80			63,5	14-20	50	2,50
2723-C100	315	120	40	100			63,5	14-20	50	3,20
2724-C80	400	137	40	80			76	17-25	59	2,70
2724-C100	400	137	40	100			76	17-25	59	3,40
2800-C100	500-630	160	50	100			76	17-25	59	5,00
2800-C120	500-630	160	50	120			76	21-31	59	6,00

► FIAL - MANUALE PASSO 1/16" x 90°

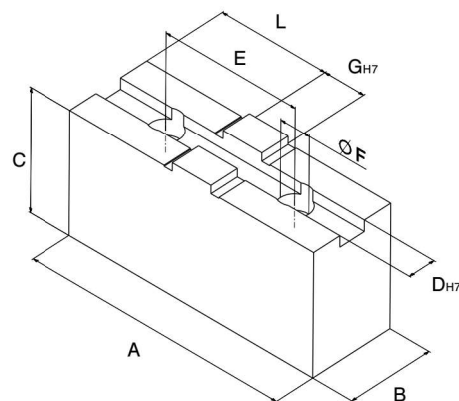
► FIAL - MANUAL SERRATION 1/16" x 90°



ART.	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	P	Peso Kg CAD. PZ Weight Kg per piece
2536	160	73	20	35	8	19,05	7-11	1/16"x90°	0,30
2537	180-200	87,3	25	40	10	23,81	9-15		0,50
2538	230	103,2	25	40	10	28,57	9-15		0,60
2539	250-270	117,5	30	50	12	33,34	11-18		1,10
2540	310-350	136,5	30	60	14	36,5	13-19		1,60

MANUALE - Standard

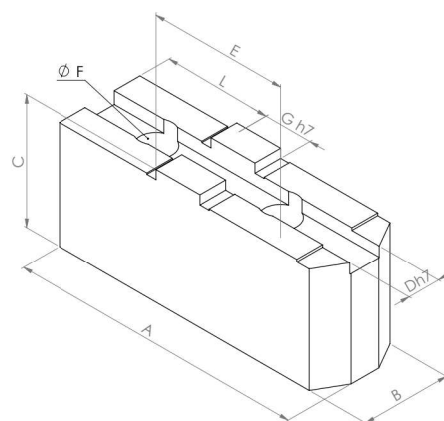
MANUAL - Standard



ART.	Autocentrante Chuck Ø	A	B	C	DH7	Gh7	E	Ø F	L	Peso Kg CAD. PZ Weight Kg per piece
2075	100	53	20	30	7,95	9,5	24	7-11	21	0,20
2076	125	62	25	35	7,95	12,7	32	9-15	25	0,30
2077	160	74	30	45	7,95	12,7	38	9-15	30	0,55
2078	200	87	30	45	7,95	12,7	44,5	9-15	37	0,70
2079	250	103	35	50	12,7	19,05	54	13-19	42	1,10
2080	315	120	40	60	12,7	19,05	63,5	13-19	59	1,90
2081	350-400	137	40	60	12,7	19,05	76	13-19	64	2,10

MANUALE - Lunghi

MANUAL - Long



ART.	Autocentrante Chuck Ø	A	B	C	DH7	Gh7	E	Ø F	L	Peso Kg CAD. PZ Weight Kg per piece
2077-L	160	84	30	45	7,95	12,7	38	9	30	0,60
2078-L	200	97	30	45	7,95	12,7	44,5	9	37	0,80
2079-L	250	115	35	50	12,7	19,05	54	13	42	1,30
2080-L	315	135	40	60	12,7	19,05	63,5	13	59	2,10

PNEUMATICO IDRAULICO PASSO 1/16" x 90°

PNEUMATIC HYDRAULIC SERRATION 1/16" x 90°

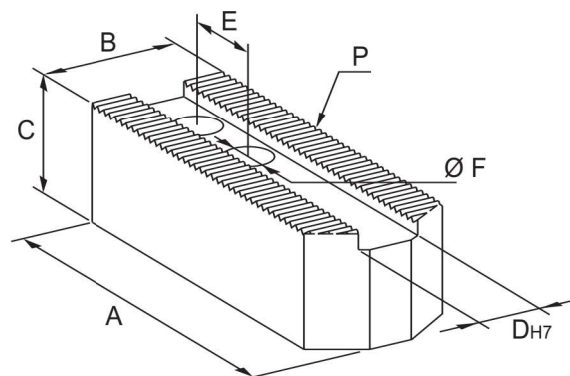


FIG.1

FIG.2



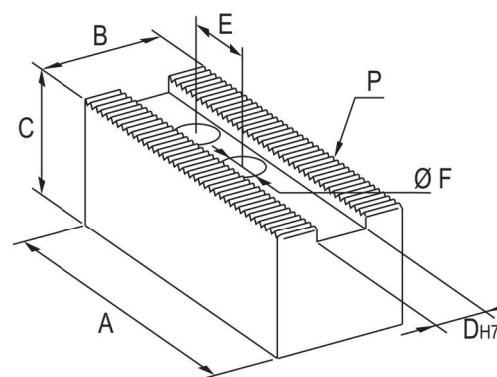
con smusso
with chamfer

senza smusso
without chamfer

ART.	Smusso Chamfer	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	P	Peso Kg CAD. PZ Weight Kg per piece
2601	FIG.2	110	53	25	30	10	13	7	1/16" x 90°	0,60
2001	FIG.1	130-140	60	30	30	12	16	9		0,30
2082	FIG.2	160-170	70	35	40	12	15	8,5		0,65
2083	FIG.2	200	90	40	50	17	19	13		1,10
2578	FIG.1	250	110	50	50	21	28	17		1,60
2007	FIG.1	315	125	50	50	21	30	17		1,90
2074	FIG.2	400-500	155	60	80	25,5	35	21	3/32" x 90°	4,80

PNEUMATICO IDRAULICO PASSO 1,5" x 60°

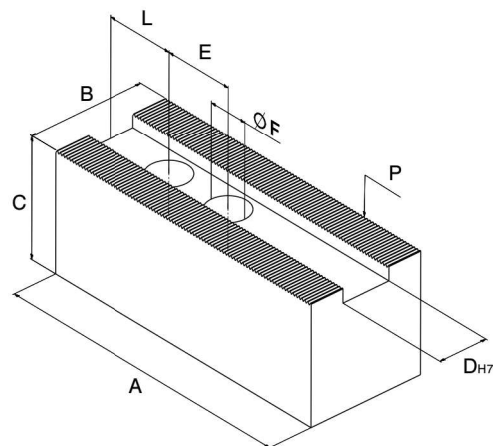
PNEUMATIC HYDRAULIC SERRATION 1/5" x 60°



ART.	Autocentrante Chuck Ø	A	B	C	DH7	E	Ø F	P	Peso Kg CAD. PZ Weight Kg per piece
2604	105	53	20	30	10	15	9	1,5 x 60°	0,20
2605	130	53	25	30	11	15	9		0,25
2606	160	67	30	45	11	20	9		0,50
2607	215	90	40	50	14	26	11		1,20
2608	250	90	50	60	20	26	13		1,80
2609	280	90	50	60	20	26	13		1,80
2610	315	120	50	80	21	28	15		3,00
2611	350	120	50	80	21	28	17		3,00

► FORKARDT

Pneumatico idraulico
Pneumatic hydraulic



► FORKARDT - pneumatico idraulico ► FORKARDT - pneumatic hydraulic

ART.	Ø Aut. Chuck Ø	A	B	C	DH7	E	Ø F	L	P	Peso Kg CAD. PZ Weight Kg per piece
2069	160	70	40	60	17	22	13-19	20	1/16" x 90°	1,00
2070	200	90	40	60	17	22	13-19	20		1,40
2071	250-315	120	50	80	21	30	17-25	30		3,10
2074	400-500	155	60	80	25,5	35	21-31	30	3/32" x 90°	4,80

► GFB - autocentranti manuali ► GFB - manual chuck

ART.	Ø Aut. Chuck Ø	A	B	C	DH7	E	Ø F	L	P	Peso Kg CAD. PZ Weight Kg per piece
2041	105	50	15	25	5,3	12	5-8,5	11	2,5 x 60°	0,10
2042	130	60	20	25	6,2	15	6-10	15		0,20
2043	160	80	20	30	7,5	18	7-11	25		0,30
2044-2045	190-200	95	25	40	10	25	9-15	25		0,60
2046	230-250	110	25	40	10	25	9-15	25		0,70
2047	270	120	30	50	11	30	11-18	25		1,20
2048	310	140	30	50	12	30	11-18	26		1,40

► BERG - pneumatico idraulico ► BERG - pneumatic hydraulic

ART.	Ø Aut. Chuck Ø	A	B	C	DH7	E	Ø F	L	P	Peso Kg CAD. PZ Weight Kg per piece
2086	140-160	70	30	40	10	19	11-18	15	1/16" x 90°	0,45
2087	175-200	85	30	50	12	21	13-19	18		0,60
2088	200	90	30	60	12	21	13-19	15		1,00
2089	250	110	40	60	16	29	17-25	18		1,60
2071	315-360	120	50	80	21	28	17-25	22		3,10
2091	400-500	140	60	90	25,5	36	21-31	26	3/32" x 90°	3,80
2092	630	180	60	60	25,5	36	21-31	30		4,90

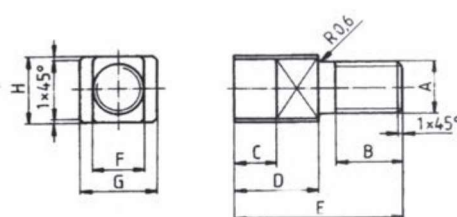
BERG

Tasselli per mandrini tipo "KH"

T-nuts for KH chucks

Tirante TS

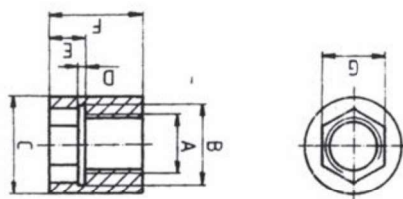
TS stud



ART.	Tipo Type	Ø Mandrino Chuck	A	B	C	D	E	Fg6	G	H	Peso Kg CAD. PZ Weight Kg per piece
2801	TS 10	140-160	M 10	12	10	21,2	36	10	16	13	0,025
2802	TS 12	175-200	M 12	14	9	23,2	40,5	12	18	14	0,045
2803	TS 16	250-315	M 16	18	12	27,2	50	16	24	18	0,100
2804	TS 20	400-500-630	M 20	23	16	33,2	62	20	30	25	0,125

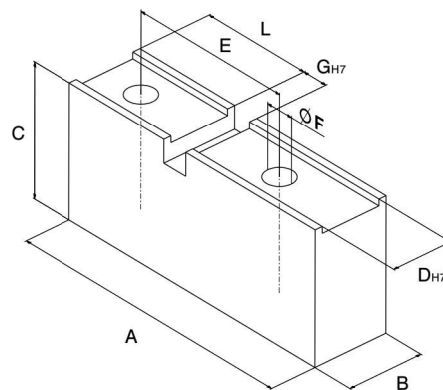
Dado TM

TM screw nut



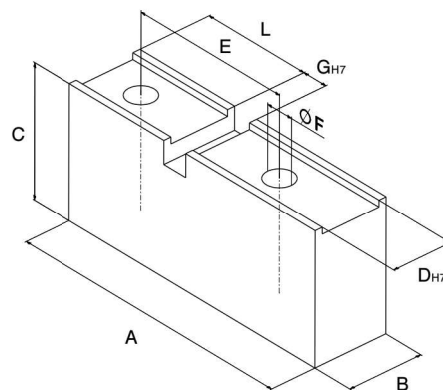
ART.	Tipo Type	Ø Mandrino Chuck	A	B	C	D	E	F	GE	Peso Kg CAD. PZ Weight Kg per piece
2805	TM 10	140-160	M 10	12	16	2	7	16	SW 10	0,010
2806	TM 12	175-200	M 12	14	17,8	2	8	19	SW 12	0,025
2807	TM 16	250-315	M 16	20	24,5	2	10	25	SW 17	0,035
2808	TM 20	400-500-630	M 20	26	32	2,5	12,5	32	SW 22	0,053

► **TRIBLOK MANUALE - Nuovo**
► **TRIBLOK MANUAL - New**



ART.	Autocentrante Chuck Ø	A	B	C	D _{H7}	G _{H7}	E	Ø F	L	Peso Kg CAD. PZ Weight Kg per piece
2552/N	85	50	20	30	12	6	20	7-11	13	0,20
2553/N	100	50	20	30	12	6	20	7-11	13	0,20
2554/N	125	70	25	40	16	6	20	9-15	20	0,35
2555/N	160	70	25	40	16	6	20	9-15	23	0,35
2556	175-200	90	30	40	19	8	26	9-15	28	0,70
2556/N	200-225	90	30	40	20	10	26	9-15	28	0,70
2557	225-250	110	35	50	22	10	32	11-18	33	1,30
2558/N	280	130	40	60	25	12	32	13-19	38	2,10
2558	315	130	40	60	27	12	38	13-19	38	2,10
2559/N	350-400	160	50	70	32	16	48	17-25	45	3,70
2560/N	450	200	50	80	38	19	60	17-25	56	5,40

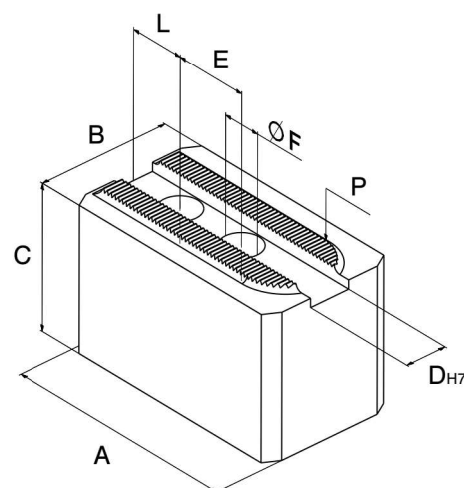
► **TRIBLOK MANUALE**
► **TRIBLOK MANUAL**



ART.	Autocentrante Chuck Ø	A	B	C	D _{H7}	G _{H7}	E	Ø F	L	Peso Kg CAD. PZ Weight Kg per piece
2552	80-85	42	20	25	12	6	20	7-11	13	0,20
2553	100	50	20	30	12	6	20	7-11	13	0,20
2554	125-130	65	25	35	15	6	20	7-11	20	0,35
2555	160	70	25	35	16	6	20	9-15	23	0,35
2556	175-200	90	30	40	19	8	26	9-15	28	0,70
2557	225-250	110	35	50	22	10	32	11-18	33	1,30
2558	315	130	40	60	27	12	38	13-19	38	2,10
2559	400	160	50	70	32	16	48	17-25	45	3,70
2560	450	200	50	80	38	16	60	17-25	56	5,40

Morsetti Hainbuch

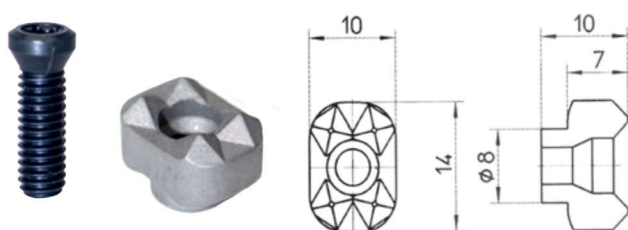
Hainbuch jaws



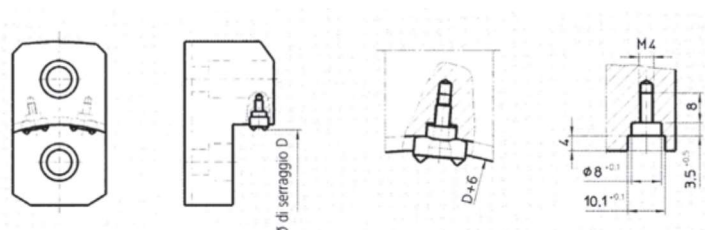
ART.	A	B	C	D	E	Ø F	L	P	Peso Kg CAD. PZ Weight Kg per piece
5001	66	45	40	14	25	13-19	19	1,5x60°	0,7
5002	66	45	50	14	25	13-19	19		0,9
5003	80	45	50	14	25	13-19	19		1,15
5004	95	45	50	14	25	13-19	19		1,4
5005	110	40	40	16	30	13-19	25		1,1

CUSPIDI TEMPRATI PER GRIFFE HARD INSERTS

► UGE 10 - ART. 3585



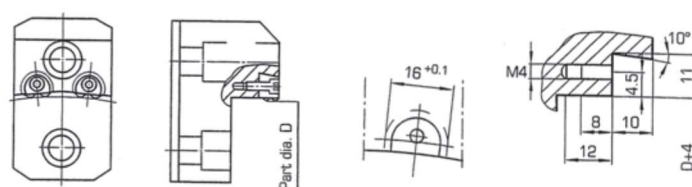
Esempio d'impiego Usage example



► UGE 20 - ART. 3586



Esempio d'impiego Usage example



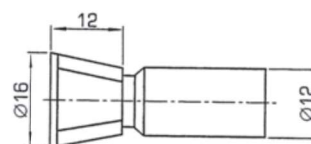
► ART. 3588

Fresa necessaria per creare sede
per inserimento UGE 20

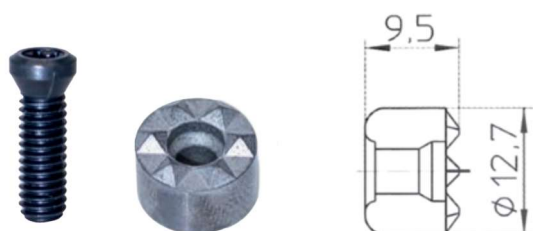
Milling cutter required to create a
suitable recess to install UGE 20



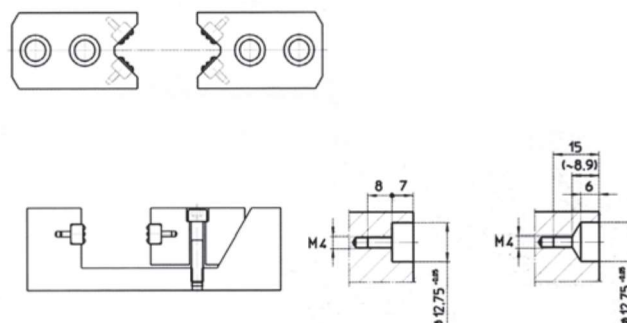
Disegno tecnico Technical drawing



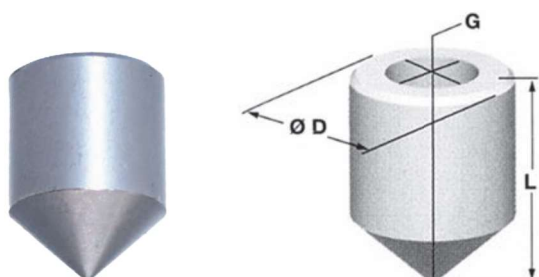
► UGE 30 - ART. 3587



Esempio d'impiego Usage example

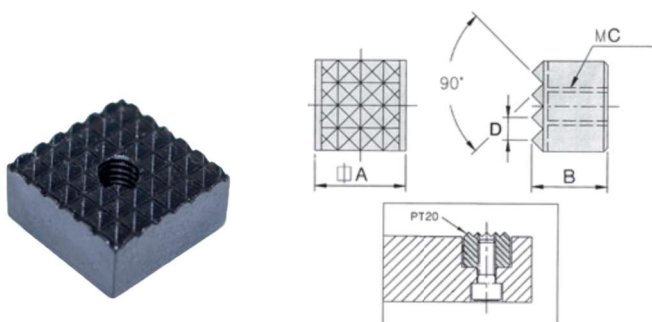


► UGE 40



ART.	Ø D	L	G	Peso Kg CAD. PZ Weight Kg per piece
3531	6	10	M 3	0,016
3532	8	12	M 4	0,038
3533	10	14	M 5	0,036
3534	12	16	M 6	0,036
3535	12,7	16	M 6	0,075

► UGE 50



ART.	Ø A	B	C	D	Peso Kg CAD. PZ Weight Kg per piece
PT20-1010	10	10	M5	2,3	0,008
PT20-1210	12	10	M6	3	0,010
PT20-2010	20	10	M6	3	0,030
PT20-2510	25	10	M6	3	0,043

ANELLI PER LA TORNITURA DELLE GRIFFE JAW BORING RINGS

► **ART. 2000** - Peso Weight 25 Kg



CARATTERISTICHE FEATURES

COMPLETA
COMPLETE

Serie completa di 67 anelli cementati e temperati crescenti di 2mm da Ø14 a Ø146

Complete set of 67 hardened rings with diameters ranging mm from Ø14 to Ø146, with 2 mm increments

PRECISA
PRECISE

Assoluta precisione nella tornitura delle griffe
Absolute boring precision

PRATICA
PRATICAL

Molto pratica per la scelta dell'anello
Very practical for ring selection

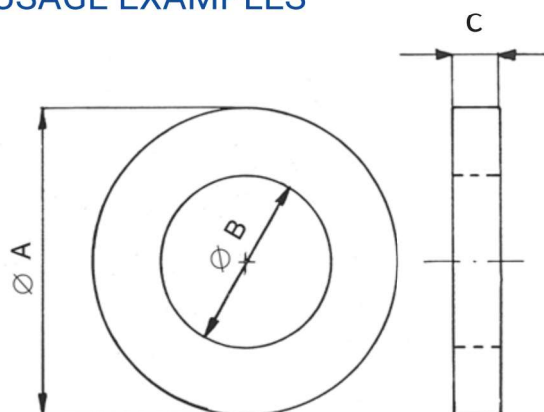
VELOCE
FAST

Riduzione dei tempi di avviamento
Reduced startup time

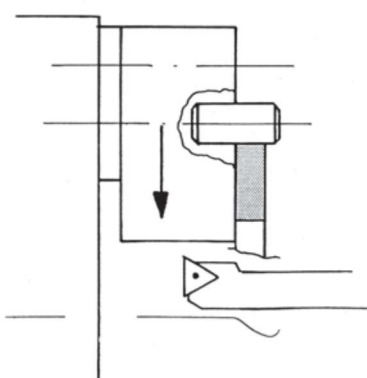
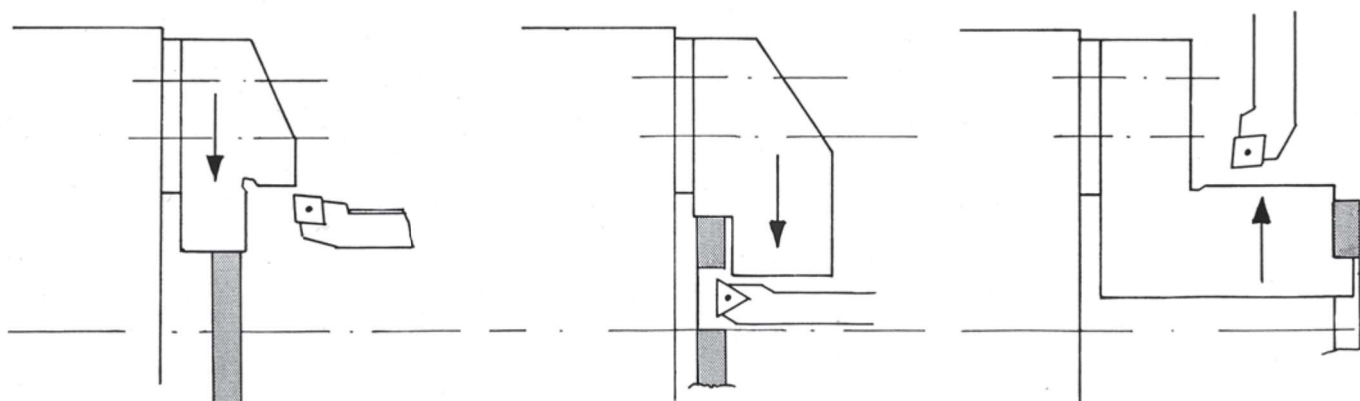
ECONOMICA
LOW-COST

Minimo investimento facilmente ammortizzabile
Minimum and easily depreciable investment

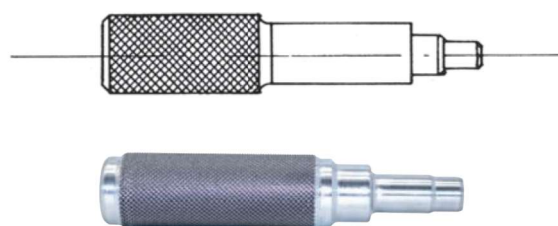
► ESEMPIO D'IMPIEGO ► USAGE EXAMPLES



Ø A	Ø B	C
14-22	7	7
24-40	12	7
42-58	22	9
60-66	30	9
68-86	40	9
88-106	50	9
108-126	60	9
128-146	80	9



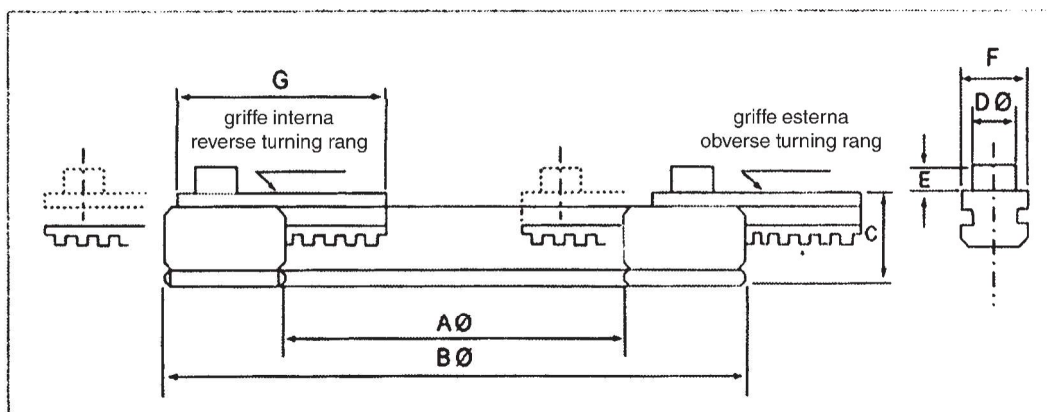
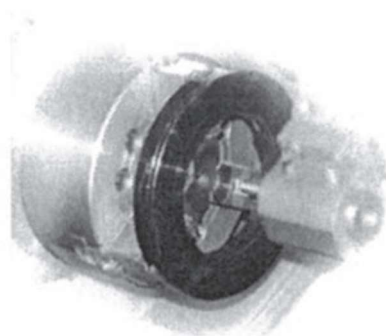
**SPINA ATTA A POSIZIONARE GLI ANELLI
PICCOLI SULL'AUTOCENTRANTE**
PIN TO POSITION SMALL RINGS ON THE CHUCK



è compresa nella serie di anelli
included in the ring set

► ATTREZZO PER TORNITURA DELLE GRIFFE

► JAW BORING RING



Model	A	B	C	D	E	F	G	corsa griffa Jaw stroke	max. forza di chiusura in kgf max. clamping force in kgf	max. velocità rpm max. speed rpm	peso Kg Weight Kg	diametri autocentranti Chuck diameters
TL-100	100	170	26	13	7	19	61	187,96	1500	800	2.7	125-160-200
TL-125	125	200	26	16.3	8	19	61	187,96	1500	700	3.5	160-200-250
TL-160	160	248	31	18.3	8	24	80	215,90	1750	600	5.6	200-250-315

POMPA E CARTUCCIA PER INGRASSARE LE GRIFFE GREASE CARTRIDGE AND GUN FOR JAWS



ART.	DESCRIZIONE DESCRIPTION	Peso Kg CAD. PZ Weight Kg per piece
3502	Grasso ad alto rendimento pasta 35 cartuccia da gr.400, adatte per ingrassatore a siringa PASTA 35 high performance grease, 400 gr cartridge for syringe-type grease gun	0,45

ART.	DESCRIZIONE DESCRIPTION	Peso Kg CAD. PZ Weight Kg per piece
3501	Ingrassatore a siringa con leva a mano per mandrini Kitagawa Pistol grip, syringe-type manual grease gun for Kitagawa chucks	1,20
RICAMBI SPARE PARTS		
3502-T	Tubo termoplastico Thermoplastic tube	0,50
3502-U	Testina excellent per tubo ingrassatore Excellent grease tube head	0,50
3502 - RIC	Ugello per autocentranti Kitagawa Nipple for Kitagawa chucks	0,1



*Indicare all'ordinazione il modello mandrino
*When ordering, please specify chuck type

RACCOMANDAZIONI PER LA MANUTENZIONE TIPS FOR EFFECTIVE MAINTENANCE

Per un perfetto funzionamento di un mandrino autocentrante è essenziale una lubrificazione accurata di tutte le superfici di scorrimento così si evita la riduzione della forza di serraggio e di un'usura precoce, per la lubrificazione dei vostri autocentranti vi raccomandiamo l'utilizzo del nostro grasso ad alto rendimento "PASTA 35".

For a smooth functioning of the chuck, all contact surfaces should be properly lubricated to avoid reduction of the clamping force and premature wear of the chuck. To lubricate the self-centering chucks, we recommend our "PASTA 35" high performance grease.

► STOPBAR



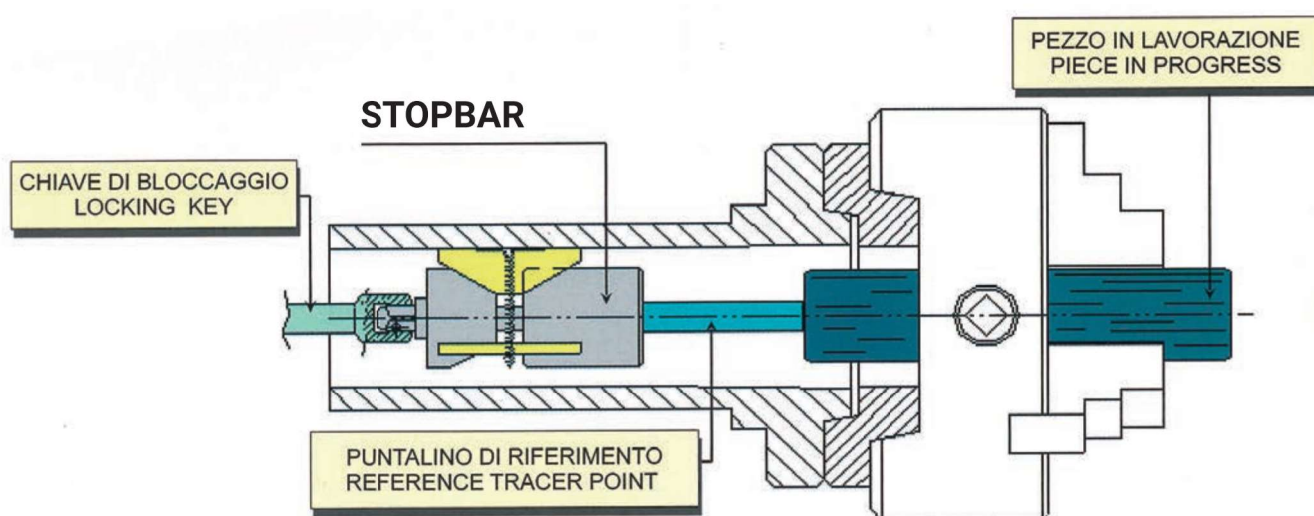
Lo **STOPBAR** è un accessorio indispensabile per mantenere costanti i riferimenti relativi a tutte le operazioni di **tornitura o fresatura** (quando di usa il divisore con autocentrante) nelle lavorazioni di pezzi di piccole e grandi serie, senza ulteriori misurazioni e con notevole risparmio di tempo.

The **STOPBAR** ensures the precise positioning of set points in turning and milling operations of small or large workpieces (when using a divider with a self-centering chuck). It does not require additional measurements and is a time-saving tool.

ART.	(mm)	Campo di regolazione (pollici) Adjustment field (inches)	
3504	24÷33	da 15/16"	a 1 5/16"
3505	32÷41	da 1 1/4"	a 1 5/8"
3506	41÷52	da 1 5/8"	a 2 1/16"
3507	51÷62	da 2"	a 2 7/16"
3508	62÷82	da 2 7/16"	a 3 1/4"
3509	73÷93	da 2 7/8"	a 3 11/16"
4510	93÷120	da 3 11/16"	a 4 23/32"
4511	117÷146	da 4 5/8"	a 5 3/4"

COME FUNZIONA?

INSTRUCTIONS FOR USE



ISTRUZIONI D'USO

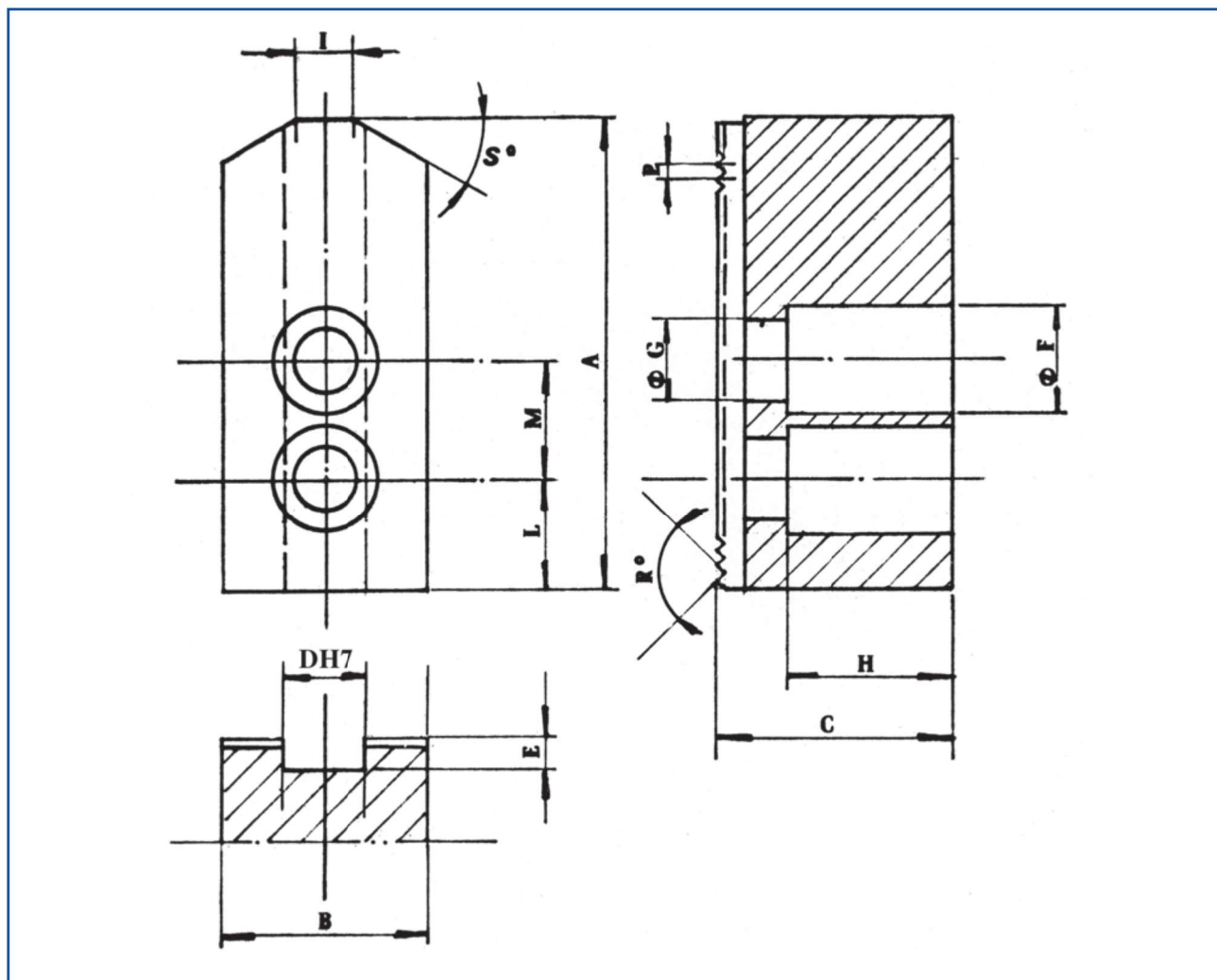
OPERATING INSTRUCTIONS

Per montare l'accessorio STOPBAR è necessario introdurlo nell'albero cavo del mandrino del tornio o del divisore, sistemarlo nella posizione desiderata e ruotare in senso orario con la chiave speciale in dotazione fino a bloccarlo saldamente all'albero stesso.

Introduce the STOPBARR in the spindle shaft hole of the lathe or the divider, lock it into the desired position and turn it clockwise with the special wrench included in the kit, until it is firmly locked to the shaft.

► IN CASO DI ORDINAZIONE DI MORSETTI SPECIALI ABBIAMO REDATTO LA PRESENTE PAGINA CHE ANDRETE A COMPLETARE COMPILANDO LA SOTTOSTANTE TABELLA CON LE MISURE DI VOSTRA NECESSITÀ

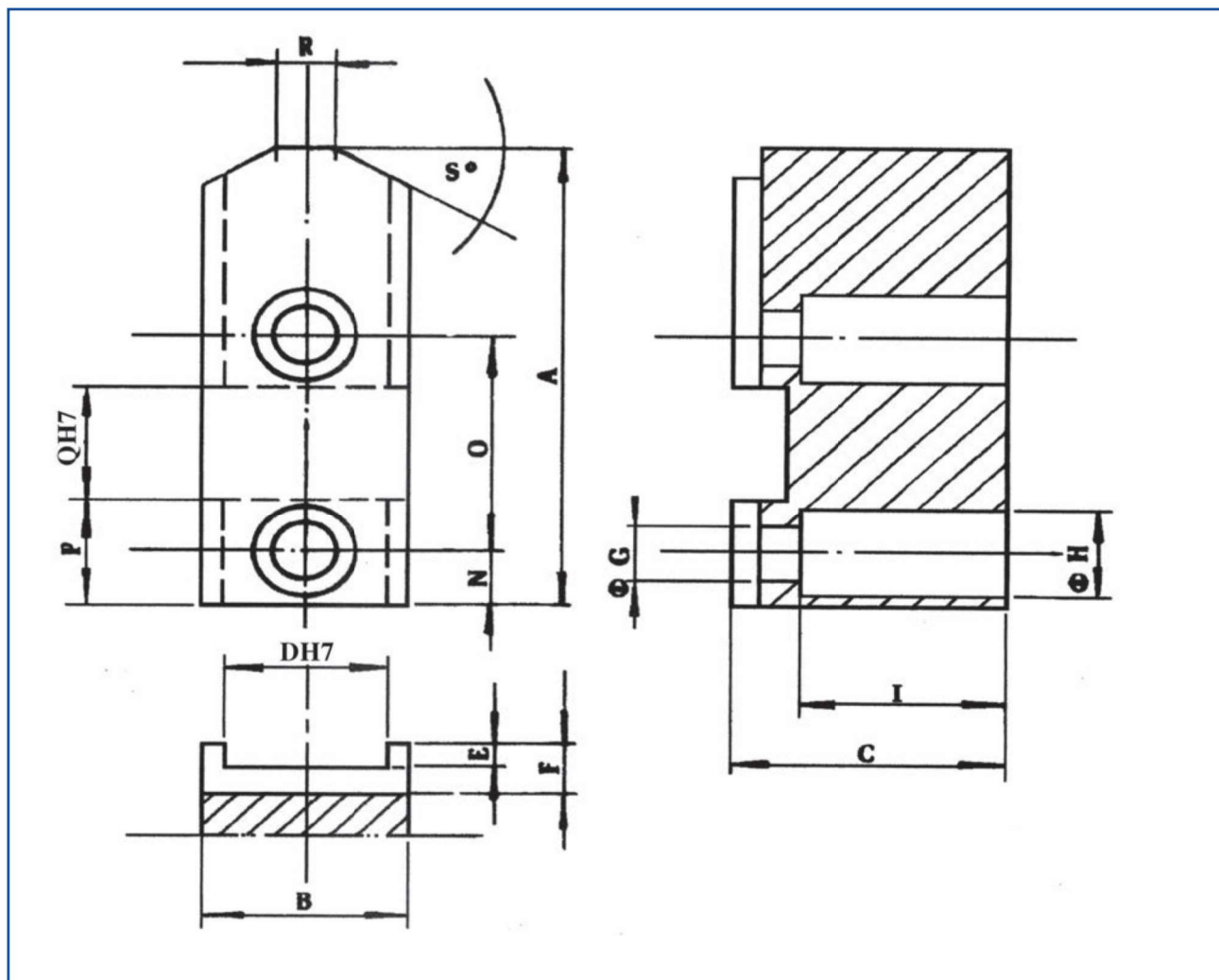
THIS PAGE IS FOR SPECIAL JAW ORDERS – PLEASE FILL IN THE TABLE BELOW WITH THE DIMENSIONS REQUIRED



A	B	C	DH7	E	Ø F	Ø G	H	I	L	M	R°	S°	P
MATERIALE / MATERIAL				CLIENTE / CLIENT				QUANTITÀ / QUANTITY					

► IN CASO DI ORDINAZIONE DI MORSETTI SPECIALI ABBIAMO REDATTO LA PRESENTE PAGINA CHE ANDRETE A COMPLETARE COMPILANDO LA SOTTOSTANTE TABELLA CON LE MISURE DI VOSTRA NECESSITÀ

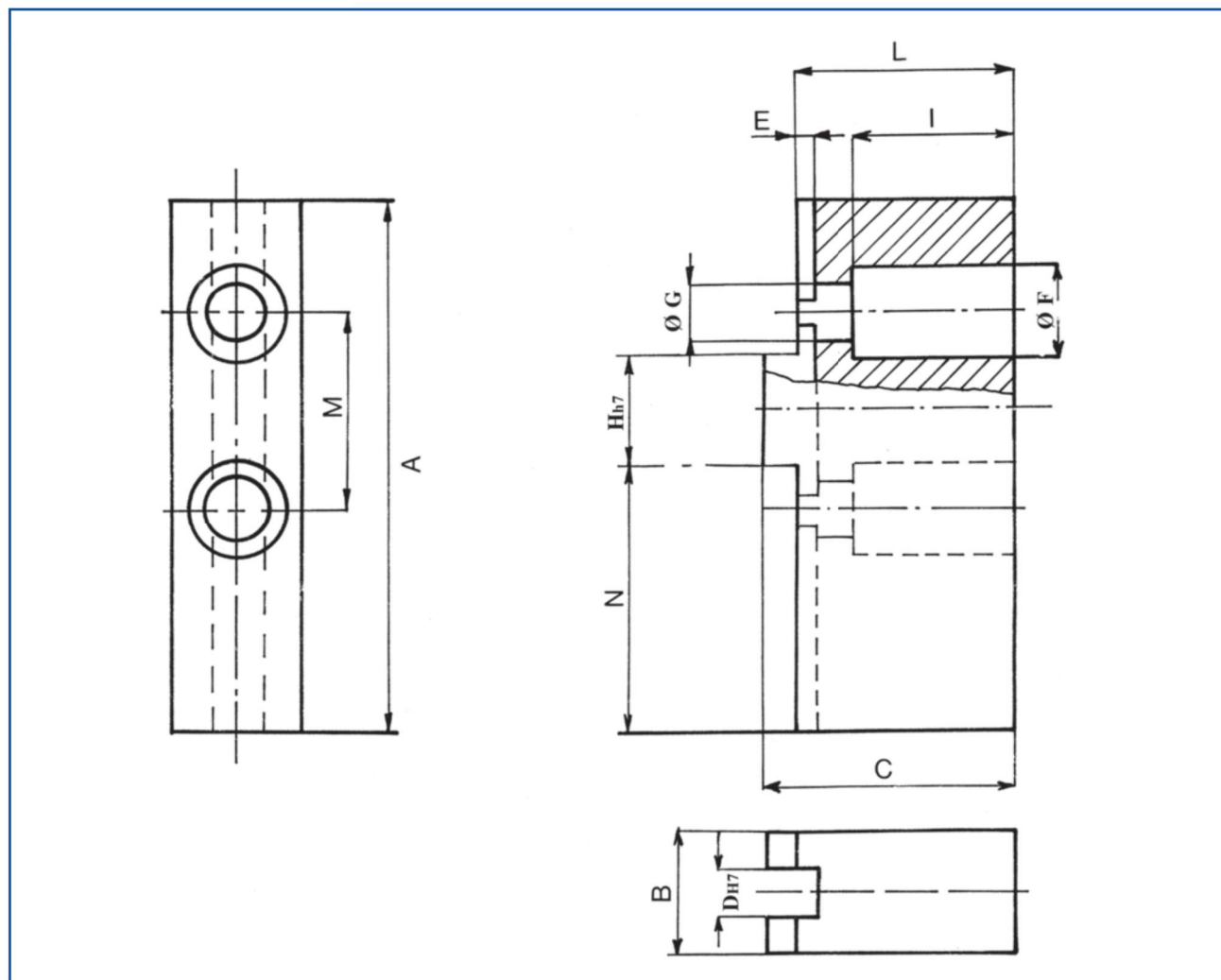
THIS PAGE IS FOR SPECIAL JAW ORDERS – PLEASE FILL IN THE TABLE BELOW WITH THE DIMENSIONS REQUIRED



A	B	C	DH7	E	F	ØG	ØH	I	L	M	N	O	P	QH7	R	S°
MATERIALE / MATERIAL						CLIENTE / CLIENT						QUANTITÀ / QUANTITY				

► IN CASO DI ORDINAZIONE DI MORSETTI SPECIALI ABBIAMO REDATTO LA PRESENTE PAGINA CHE ANDRETE A COMPLETARE COMPILANDO LA SOTTOSTANTE TABELLA CON LE MISURE DI VOSTRA NECESSITÀ

THIS PAGE IS FOR SPECIAL JAW ORDERS – PLEASE FILL IN THE TABLE BELOW WITH THE DIMENSIONS REQUIRED

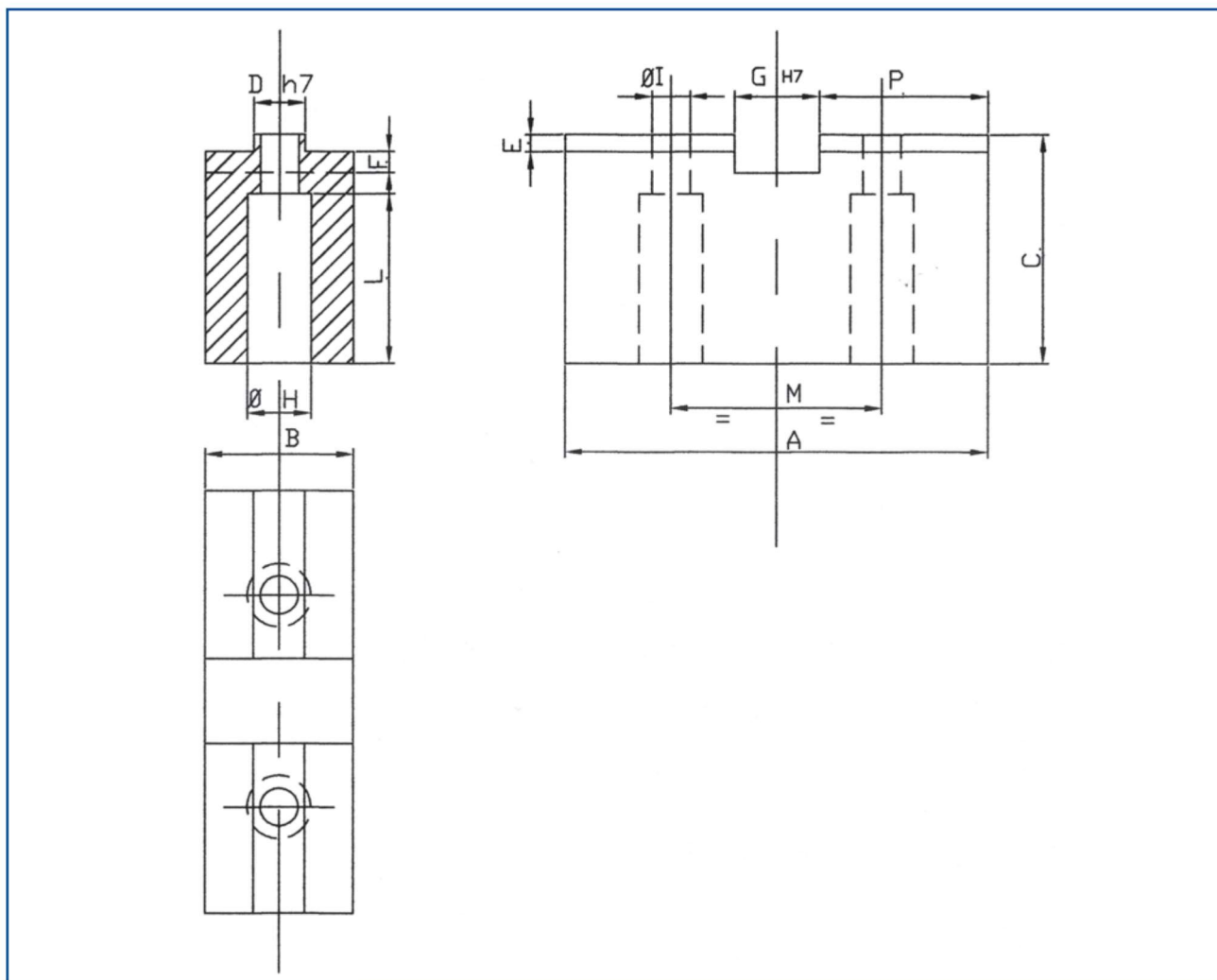


A	B	C	Dh7	E	Ø F	Ø G	Hh7	I	L	M	N				

MATERIALE / MATERIAL	CLIENTE / CLIENT	QUANTITÀ / QUANTITY

► IN CASO DI ORDINAZIONE DI MORSETTI SPECIALI ABBIAMO REDATTO LA PRESENTE PAGINA CHE ANDRETE A COMPLETARE COMPILANDO LA SOTTOSTANTE TABELLA CON LE MISURE DI VOSTRA NECESSITÀ

THIS PAGE IS FOR SPECIAL JAW ORDERS – PLEASE FILL IN THE TABLE BELOW WITH THE DIMENSIONS REQUIRED



A	B	C	DH7	E	F	GH7	$\varnothing H$	$\varnothing I$	L	M						
MATERIALE / MATERIAL							CLIENTE / CLIENT					QUANTITÀ / QUANTITY				

► IN CASO DI ORDINAZIONE DI TASSELLI SPECIALI ABBIAMO REDATTO LA PRESENTE PAGINA CHE ANDRETE A COMPLETARE COMPILANDO LA SOTTOSTANTE TABELLA CON LE MISURE DI VOSTRA NECESSITÀ

THIS PAGE IS FOR SPECIAL T-NUTS – PLEASE FILL IN THE TABLE BELOW WITH THE DIMENSIONS REQUIRED

FIG.1

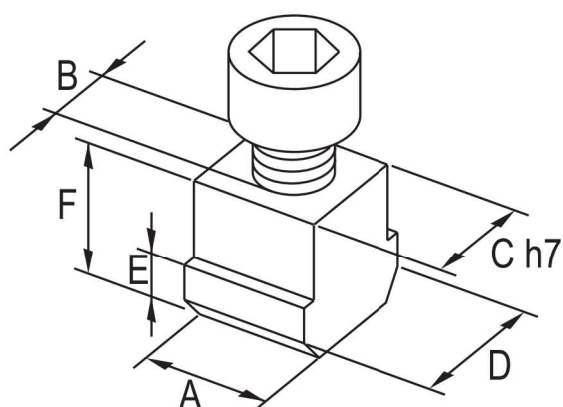
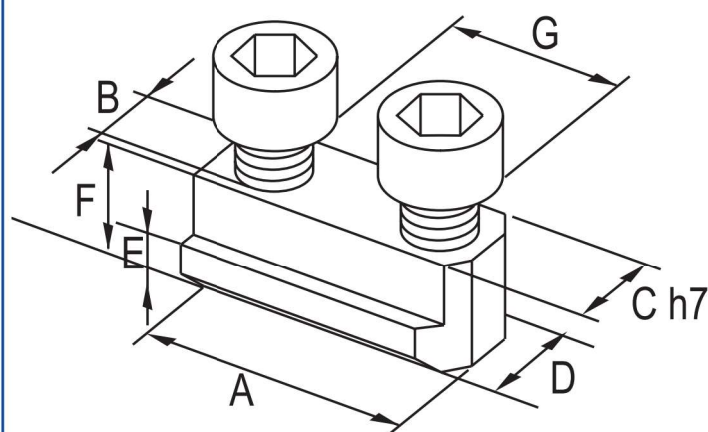


FIG.2



A	B	Ch7	D	E	F	G	Hh7

MATERIALE / MATERIAL	CLIENTE / CLIENT	QUANTITÀ / QUANTITY

► IN CASO DI ORDINAZIONE DI TASSELLI SPECIALI ABBIAMO REDATTO LA PRESENTE PAGINA CHE ANDRETE A COMPLETARE COMPILANDO LA SOTTOSTANTE TABELLA CON LE MISURE DI VOSTRA NECESSITÀ

THIS PAGE IS FOR SPECIAL T-NUTS – PLEASE FILL IN THE TABLE BELOW WITH THE DIMENSIONS REQUIRED

FIG.3

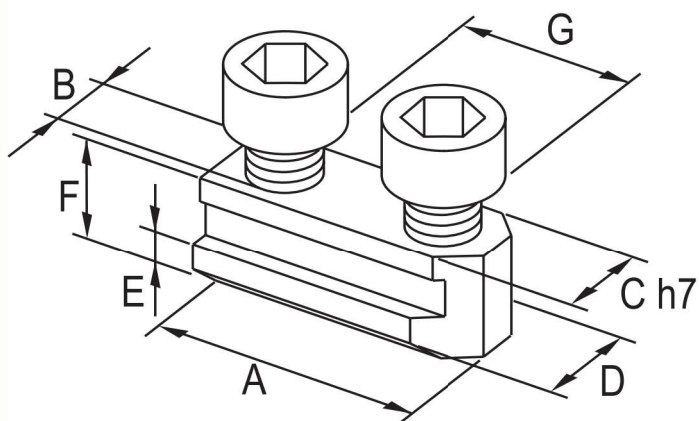
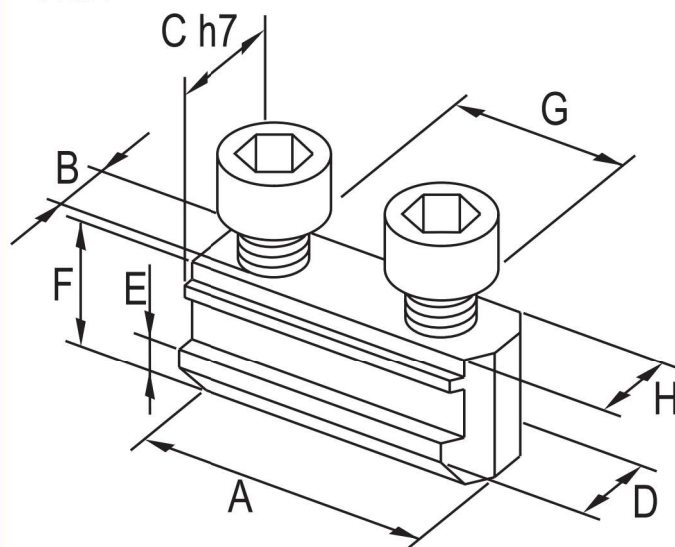


FIG.4



A	B	CH7	D	E	F	G	Hh7

MATERIALE / MATERIAL	CLIENTE / CLIENT	QUANTITÀ / QUANTITY