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PINZE PER TORNI PLURIMANDRINO

COLLETS FOR MULTISPLINDLE LATHES

2

PINZE PER TORNI PLURIMANDRINO
COLLETS FOR MULTISPLINDLE LATHES

Le pinze per torni plurimandrino vengono impiegate su macchine da produzioni Gildemeister, Schütte, Mori say, Wickman, Tornos, Index, Traub, ecc ... possiamo fornire tutta la serie per la linea mandrino del tornio: pinze per il mandrino principale, pinze per il mandrino di ripresa, pinze di avanzamento barra, pinze di avanzamento barra con inserto a cambio rapido e boccole guida barra. Sono disponibili con alesaggio tondo, esagonale, quadro e possono essere eseguiti profili speciali su richiesta.

Descrizione e specifiche
Le pinze per torni plurimandrino sono costruite con acciaio certificato altamente legato, sono temprate e completamente rettificate. Tutto il ciclo produttivo viene svolto nel nostro stabilimento in Italia con macchine utensili di alta precisione ed è rigorosamente controllato. Grazie all'ampia disponibilità di magazzino possiamo generalmente spedire il materiale il giorno stesso della ricezione dell'ordine.

Maggiori informazioni
Possono essere fornite con superficie liscia, rigata o zigrinata. Per una maggiore forza di serraggio possiamo eseguire sul foro della pinza un rivestimento in metallo duro. Possiamo inoltre eseguire pinze con battuta, pinze fuori centro, pinze con misura decimale e sagome speciali con elettroerosioni.

Prodotti
Pinze stringibarra – Pinze spingibarra – Pinze di serraggio tirate con filetto esterno – Pinze di serraggio tirate con filetto interno – Pinze con aggancio rapido – Pinze di avanzamento barra – boccole guida barra.

Collets for multi-spindle lathes are used on production machines Gildemeister, Schütte, Mori say, Wickman, Tornos, Index, Traub, etc ... we can supply the whole series for the spindle of the lathe: collets for main spindle, collets for pick-up spindle, feed fingers collets, feed fingers collets with quick change insert and guide bushes. They are available with bore round, hexagonal, square and special profiles can be run on demand.

Description and Specifications
Collets for multispindle lathes are produced with certified top quality steel, they are hardened and completely grinded. All production cycle is carried out in our factory in Italy with high precision machines and is carefully controlled. Thanks to the availability of stock, we can usually ship the material the same day as order is received.

Further Information
They can be supplied with bore smooth, grooved or serrated. For greater clamping force we can perform on the hole of the collets a carbide coating. We can also perform collets with stop, out of centre collets, collets with decimal measure and special shapes with EDM.

Products
Clamping collets – Feed finger collets – Draw back collets with external thread – Draw back collets with internal thread – Quick installation collets – Guide bushes.

PINZE PER MANDRINO 1 PRINCIPALE
COLLETS FOR MAIN SPINDLE

Art. / Code	Macchina / Machine	Modello / Type
022.227	GILDEMEISTER	AS12
021.230	GILDEMEISTER	GM16-AC
018.234	GILDEMEISTER	AS16/AS GS GM20-6
022.238	GILDEMEISTER	AS16/20 GS/GM20 V.25
021.241	GILDEMEISTER	GM26 AC
018.245	GILDEMEISTER	GS 25 variante 32
022.245	GILDEMEISTER	AS 25
022.253	GILDEMEISTER	AS GS GM32/GM35-6/8
022.257	GILDEMEISTER	GMC 42
022.264	GILDEMEISTER	AS GS GM42-6
022.270	GILDEMEISTER	AS 48
022.325	SCHÜTTE	SE16
022.328	SCHÜTTE	SF20
018.331	SCHÜTTE	SE16/SE18 (chiav. 5)
018.332	SCHÜTTE	SG18/AG20 (chiav. 6)
018.333	SCHÜTTE	SF20
022.331	SCHÜTTE	SG/AG20 D>18mm
018.346	SCHÜTTE	VD/SD/SE25/AF/SF26
018.353	SCHÜTTE	SD/VD32/AF/SF32
022.356	SCHÜTTE	A36 PC
018.363	SCHÜTTE	AD40/SF42
018.375	SCHÜTTE	AF51/SF51/SD50
022.375	SCHÜTTE	SD/VD50 Fil.Int.
022.529	WICKMAN	5/8"
022.541	WICKMAN	1"-6M
022.555	WICKMAN	1"3/8-6M
022.564	WICKMAN	1"3/4-6M
022.549	WICKMAN	V30 Oversize
022.425	TORNOS	AS14
018.425	TORNOS	SAS16
018.446	TORNOS	MULTI DECO 26/6
018.234	MORI SAY	6/20
022.541	MORI SAY	6/25 6/26
022.253	MORI SAY	6/32 8/32
018.363	MORI SAY	6/42 8/42
018.146	INDEX	KS/MS25
018.727	DAVENPORT	9/16"
022.623	GRIDLEY	7/16"
022.946	UTIMAC	SCN32HT

BOCCOLE GUIDA BARRA
GUIDE BUSHES

Art. / Code	Macchina / Machine	Modello / Type
001.218	GILDEMEISTER	GM16-AC
001.219	GILDEMEISTER	GM16-AC
001.228	GILDEMEISTER	AS16/AS GS GM20-6
001.229	GILDEMEISTER	AS16/AS GS GM20-6 Caricatore
001.232	GILDEMEISTER	AS32
001.233	GILDEMEISTER	AS32
001.236	GILDEMEISTER	–
001.240	GILDEMEISTER	GM32/6
001.242	GILDEMEISTER	GM35/6
001.328	SCHÜTTE	SG18/AG20/SF20
001.352	SCHÜTTE	SF42
001.423	TORNOS	AS14
001.424	TORNOS	SAS16

PINZE DI AVANZAMENTO CON INSERTO CAMBIO RAPIDO
FEED FINGERS COLLETS WITH QUICK CHANGE INSERT

Art. / Code	Macchina / Machine	Modello / Type
013.222-917	GILDEMEISTER	GM16-AC
013.225-920	GILDEMEISTER	AS16/AS GS GM20-6
013.230-924	GILDEMEISTER	AS16/20 GS/GM20 V.25
013.243-935	GILDEMEISTER	GM35-6 GM35-8
013.422-917	TORNOS	SAS16
013.225-920	MORI SAY	6/20

PINZE PER MANDRINO 2 DA RIPRESA
COLLETS FOR PICK-UP SPINDLE

Art. / Code	Macchina / Machine	Modello / Type
021.018	GILDEMEISTER	GM16-AC
021.019	GILDEMEISTER	–
021.223	GILDEMEISTER	–
022.226	GILDEMEISTER	AS16/AS/GS/SM20-6
022.028	GILDEMEISTER	AS16/AS GS GM20-6
021.028	GILDEMEISTER	GM26-AC
022.039	GILDEMEISTER	AS32/GM32-35-6
022.239	GILDEMEISTER	AS32
021.039	GILDEMEISTER	GM32-35-6/8
021.047	GILDEMEISTER	AS GS GM42-6
010.047	GILDEMEISTER	AS16-20-V25-6 Mandrino Frontale
018.220	GILDEMEISTER	–
021.325	SCHÜTTE	SG18/AG20
022.028	SCHÜTTE	SE16/SE25
021.035	SCHÜTTE	SE25 SF26
021.047	SCHÜTTE	AD40/SF42
022.039	SCHÜTTE	SD32 AD40 SF42
010.114	SCHÜTTE	A36 PC
010.123	SCHÜTTE	AD-SF40
010.128	SCHÜTTE	–
021.035	WICKMAN	1"-6M
021.047	WICKMAN	1"3/8 - 1"3/4
010.058	WICKMAN	1"
010.031	TORNOS	AS14/SAS16 (fil. 14x1)
010.064 B	TORNOS	BS20/BS22 (fil. 22x1)
021.035	TORNOS	MULTI DECO 26.6
022.028	MORI SAY	6/20
021.035	MORI SAY	6/25 6/26 6/32 8/32
021.047	MORI SAY	6/42 8/42
010.066	INDEX	KS/MS25

PINZE DI AVANZAMENTO BARRA
FEED FINGERS COLLETS

Art. / Code	Macchina / Machine	Modello / Type
012.220	GILDEMEISTER	AS12
012.222	GILDEMEISTER	GM16-AC
012.225	GILDEMEISTER	AS16/AS GS GM20-6
012.230	GILDEMEISTER	AS16/AS GS GM20d25
012.231	GILDEMEISTER	GM26-AC
012.233	GILDEMEISTER	AS25
012.238	GILDEMEISTER	GS25 variante 32
012.240	GILDEMEISTER	AS32-6 GM32
012.241	GILDEMEISTER	GM32-6
012.242	GILDEMEISTER	GM35-6
012.243	GILDEMEISTER	GM35-6 GM35-8
012.251	GILDEMEISTER	AS GS GM42-6
012.257	GILDEMEISTER	AS48
012.325	SCHÜTTE	SE16 SE18
012.326	SCHÜTTE	SG18-AG20
012.335	SCHÜTTE	SD/SE25 AF/SF26
012.343	SCHÜTTE	SD/VD32/AF/SF32
012.351	SCHÜTTE	AD40/SF42
012.521	WICKMAN	5/8"-6
012.531	WICKMAN	1"-6M
012.538	WICKMAN	V30 Oversize
012.542	WICKMAN	1"3/8-6M 1"3/8 5M
012.552	WICKMAN	1"3/4-6M 1"3/4 5M
012.576	WICKMAN	2"5/8 6M
012.418	TORNOS	AS14
012.422	TORNOS	SAS16
012.225	MORI SAY	6/20
012.531	MORI SAY	6/25 6/26
012.240	MORI SAY	6/32 8/32
012.343	MORI SAY	6/32 8/32
012.351	MORI SAY	6/42 8/42
012.335	INDEX	KS/MS25

2

PINZE DI SERRAGGIO CON FILETTO ESTERNO Tipo 018
COLLETS WITH EXTERNAL THREAD

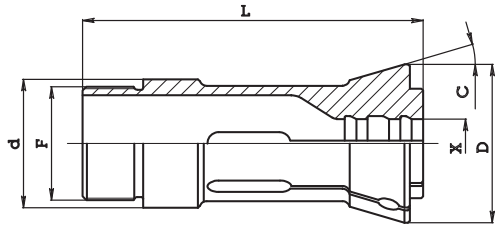


Fig. 1

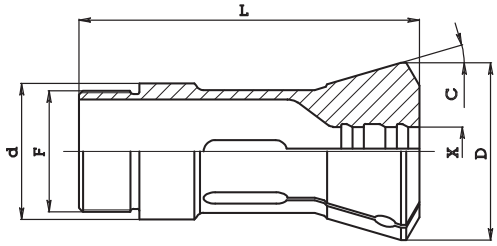


Fig. 2

Art. / Code		d	D	L	C	F	Fig.	Alesaggio max / Max bore ○	⬡	□	Macchina / Machine	Mandrino 1 Main spindle	Mandrino 2 Pick up spindle
018.214		14	17	76	15°	14x1	2	10	8	7	GILDEMEISTER		
018.220		20	22	94	6°	17x0.75 Sin	2	13	11	9	GILDEMEISTER		✓
018.425	9021 E	25	35	94	15°	25x1	2	16	14	11	TORNOS SAS16	✓	
018.727		26.95	30.19	114.3	15°	26.4x16 fil"	2	13	11	9	DAVENPORT 9/16"		
018.331		31.9	42	84	15°	28x1 Sin	2	18	16	13	SCHÜTTE SE16/SE18 (Chiav.5)	✓	
018.332	9007 E	31.9	42	84	15°	28x1 Sin	2	20	17	14	SCHÜTTE SG18/AG20 (Chiav.6)	✓	
018.333	9016 E	32	41.5	84	15°	30x1 Sin	2	20	17	14	SCHÜTTE SF20	✓	
018.234	9012 E	34	42	90	16°	30x1 Sin	1	25	22	18	GILDEMEISTER AS16/AS GS GM20-6 MORI SAY 6/20	✓	
018.245	9046 E	45	60.4	164	15°	42x1 Sin	1	26	22	22	GILDEMEISTER GS25 variante 32	✓	
018.146		46	60.5	120	15°	40x1.5 Sin	2	26	23	18	INDEX KS/MS25	✓	
018.346	9039 E	46	60.3	120	15°	40x1.5 Sin	2	26	23	18	SCHÜTTE VD/SD/SE25/AF/SF26	✓	
018.446		46	60.3	120	15°	40x1.5 Sin	2	26	23	18	TORNOS MULTI DECO 26/6	✓	
018.353	9070 E	53	69.3	136.5	15°	47x1.5 Sin	2	32	28	23	SCHÜTTE SD/VD32/AF/SF32	✓	
018.363	9112 E	62.9	78.3	157	15°	56x1.5 Sin	2	42	36	29	SCHÜTTE AD40/SF42 MORI SAY 4/42 8/42	✓	
018.375	9139 E	75	97.8	187	15°	68x1.5 Sin	2	51	44	36	SCHÜTTE AF51/SF51/SD50	✓	

PINZE DI SERRAGGIO CON FILETTO INTERNO Tipo 022
COLLETS WITH INTERNAL THREAD

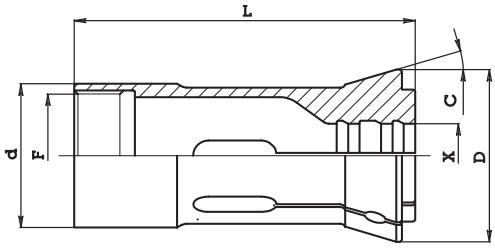


Fig. 1

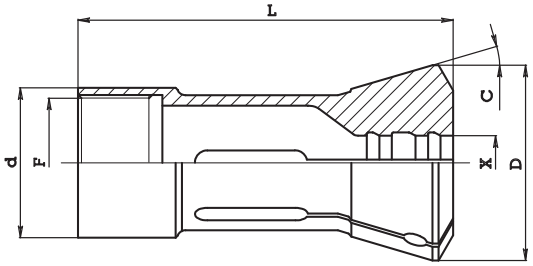


Fig. 2

Art. / Code		d	D	L	C	F	Fig.	Alesaggio max / Max bore			Macchina / Machine	Mandrino 1 Main spindle	Mandrino 2 Pick up spindle
								○	⬡	□			
022.623		23.77	29.3	78.8	15°	20.64x32 fil"	2	11	10	8	GRIDLEY 7/16''	✓	
022.325		25	35	58	15°	18x1.5 Sin	2	18	16	13	SCHÜTTE SE16	✓	
022.425	9001 E	25	35	75	15°	22x1	2	14	12	9	TORNOS AS14	✓	
022.226		26	28.5	80	6°	21.5x0.75	2	20	17	14	GILDEMEISTER AS16/AS/GS/SM20-6		✓
022.227	9013 E	26.8	34	88	15°	24x1 Sin	1	18	15	12	GILDEMEISTER AS12	✓	
022.028		28	32	64	8°	24x1.5 Sin	2	24	21	17	GILDEMEISTER AS16/AS/GS/GM20-6 SCHÜTTE SE16/SE25 MORI SAY 6/20		✓
022.328		28	36	55	15°	24x1.5 Sin	2	20	17	14	SCHÜTTE SF20	✓	
022.529	9014 E	29.4	38.1	92.2	15°	26.2x24 fil" Sin	2	22	19	15	WICKMAN 5/8''	✓	
022.331		32	41.5	84	15°	29x1 Sin Con1:8	2	21	18	14	SCHÜTTE SG/AG20 D >18mm	✓	
022.238	9017 E	38	45.5	90	16°	34.5x0.75 Sin	1	27	22	17	GILDEMEISTER AS16/20 GS/GM20 V25	✓	
022.239		38	44	80	15°	24x1.5	2	32	29	22	GILDEMEISTER AS32		✓
022.039		39	44	90	8°	34x1 Sin	2	32	28	23	GILDEMEISTER AS32/GM32-35-6 SCHÜTTE SD32/AD40/SF42		✓
022.541	9034 E	41.3	54.5	132	15°	37.8x24 fil" Sin	2	25	22	18	WICKMAN 1''-6M MORI SAY 6/25 6/26	✓	
022.245	9045 E	45	60.4	164	15°	40x1 Sin	2	25	22	17	GILDEMEISTER AS25	✓	
022.946		46	60	127.5	15°	42x1.25 Sin	2	36	31	25	UTIMAC SCN32HT	✓	
022.549		49.23	60.72	110	15°	44.2x1 Sin	2	39	34	28	WICKMAN V30 Oversize	✓	
022.253	9069 E	53	69.4	137	15°	48x1.5 Sin	2	38	31	25	GILDEMEISTER AS GS GM32/GM35-6/8 MORI SAY 6/32 8/32	✓	
022.555	9072 E	55.47	67	117	15°	50.927x22 fil"	2	36	31	25	WICKMAN 1''3/8-6M	✓	
022.356		56	72.3	139	15°	52X1.5 Sin	2	46	40	33	SCHÜTTE A36 PC	✓	
022.257		57	70	137	15°	52x1.5 Sin	2	46	38	32	GILDEMEISTER GMC42	✓	
022.264	9115 E	64	80.5	134	15°	59x1.5 Sin	2	50	42	35	GILDEMEISTER AS GS GM42-6	✓	
022.564	9111 E	64.21	78.5	127	15°	60.45x16 fil"	2	44	38	31	WICKMAN 1''3/4-6M	✓	
022.270	9132 E	70	90.4	167.5	15°	65x1.5 Sin	2	53	45	33	GILDEMEISTER AS48	✓	
022.375		75	97.8	175	15°	70x1.5 Sin	2	63	55	45	SCHÜTTE SD/VD50 Fil.Int.	✓	

2

PINZE CON AGGANCIO RAPIDO Tipo 021
QUICK INSTALLATION COLLETS

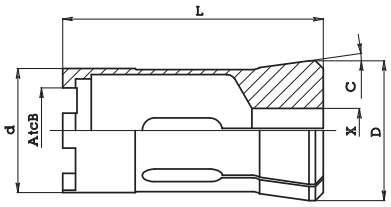


Fig. 1

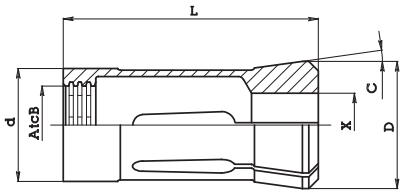


Fig. 2

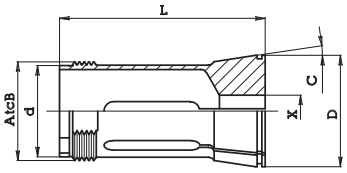


Fig. 3

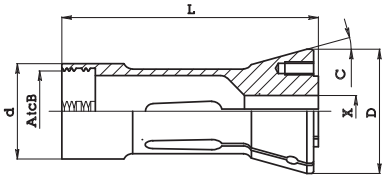


Fig. 4

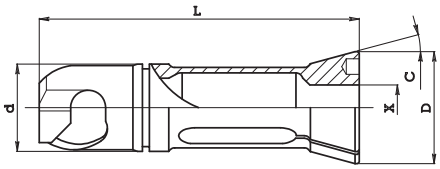
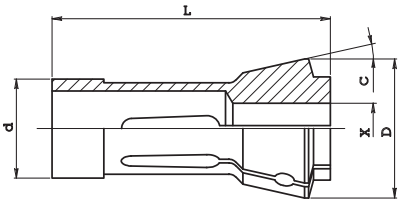


Fig. 5

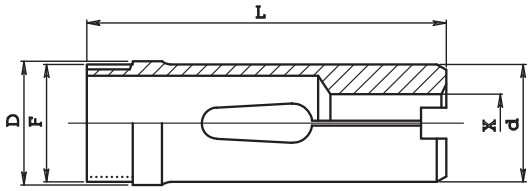
Art. / Code		d	D	L	C	F	Fig.	Alesaggio max / Max bore ○	⬡	□	Macchina / Machine	Mandrino 1 Main spindle	Mandrino 2 Pick up spindle
021.019		18	22	47,5	8°	AtcB 14.4x1.5 30°	4	15	13	13	GILDEMEISTER		✓
021.018		18.7	25	51.5	8°	AtcB 21x1.5 60°	3	16	14	11	GILDEMEISTER GM16-AC		✓
021.223		23	30	60	16°	AtcB 22.5x2.7 30°	3	17	14	12	GILDEMEISTER		✓
021.325		25	32.1	91.5	15°	–	5	19	16	13	SCHÜTTE SG18/AG20		✓
021.026		28	35	88	30°	AtcB 25x2.7 30°	2	24	20	17	GILDEMEISTER		✓
021.027		28	32	73	8°	AtcB 25x2.7 30°	2	24	20	17	GILDEMEISTER		✓
021.029		28.5	32.5	66.8	12°	AtcB D28.1	-	24	20	17	GILDEMEISTER		✓
021.028		28.7	35	64.5	8°	AtcB 31x1.5 60°	3	26	22	18	GILDEMEISTER GM26-AC		✓
021.230	9023 E	30	39	80.5	15°	AtcB 27.12x1.5 60°	4	16	14	11	GILDEMEISTER GM16-AC	✓	
021.035		35.5	40	80	8°	AtcB 27x2.7 30°	2	32	27	22	SCHÜTTE SE25/SF26 MORI SAY 6/25 6/26 6/32 8/32 WICKMAN 1''-6M TORNOS MULTI DECO 26.6		✓
021.039		39	44	82	8°	AtcB 11x4	1	32	28	23	GILDEMEISTER GM32-35-6/8		✓
021.241		41	53	106	15°	AtcB 37x2.7 30°	3	26	22	18	GILDEMEISTER GM26-AC	✓	
021.047		47	52.5	73	8°	AtcB 29x2.7 30°	2	42	35	29	GILDEMEISTER AS/GS/GM42-6 SCHÜTTE AD40-SF42 MORI SAY 6/42 8/42 WICKMAN 1''3/8 - 1''3/4		✓

PINZE SPINTE Tipo 010
PUSH COLLETS



Art. / Code		d	D	L	C	Tipo / Type	Fig.	Alesaggio max / Max bore ○	⬡	□	Macchina / Machine
010.031	1212 E	16	21	66	16°	Mandrino pick-up	–	12	10	8	TORNOS (fil. 14x1)
010.047		20	26	60	15°	Mandrino frontale	–	20	17	14	GILDEMEISTER
010.058		25.4	38	94	15°	Mandrino pick-up	–	20	17	14	WICKMAN
010.064 B		25	35	77	16°	Mandrino pick-up	–	20	17	14	TORNOS (fil. 22x1)
010.066	9339	25	35	65	15°	Mandrino pick-up	–	21	19	15	INDEX
010.114		44	54	76	15°	Mandrino pick-up	–	37	32	26	SCHÜTTE
010.123	9070	52	60.5	60	15°	Mandrino pick-up	–	40	34	28	SCHÜTTE
010.128		59	67	76	15°	Mandrino pick-up	–	52	45	36	SCHÜTTE

PINZE DI AVANZAMENTO BARRA Tipo 012
FEED FINGERS COLLETS



Art. / Code		d	D	L	C	F	Fig.	Alesaggio max / Max bore ○	⬡	□	Macchina / Machine
012.220	9259 E	17.5	19.5	82	-	17x1	-	12	10	8	GILDEMEISTER AS12
012.418	9251 E	18	17.5	70	-	16x0.75	-	14	11	9	TORNOS AS14
012.521	9260 E	21.6	21.6	86	-	19.68x24 fil" Sin	-	16	14	11	WICKMAN 5/8''- 6
012.222	9268 E	22	20	86	-	20x1	-	16	14	11	GILDEMEISTER GM16-AC
012.422	9265 E	22.8	20.5	98	-	20x0.75	-	16	14	11	TORNOS SAS16
012.325	9255 E	25	23	88	-	23x1	-	18	16	13	SCHÜTTE SE16/SE18
012.225	9258 E	25	25	90	-	24x1	-	20	17	14	GILDEMEISTER AS16/AS/GS/GM20-6 MORI SAY 6/20
012.326		26.6	25	88	-	24x1 Conico	-	20	17	14	SCHÜTTE SG18/AG20
012.230	9288 E	30.5	30	90	-	28.5x0.75	-	25	22	17	GILDEMEISTER AS16/AS/GS/GM20d25
012.231		31.4	30.5	108	-	29.5x0.75	-	26	22	18	GILDEMEISTER GM26-AC
012.531	9276 E	31.9	31	133	-	30.07x24 fil" Sin	-	25	22	18	WICKMAN 1''-6M MORI SAY 6/25 6/26
012.233	9287 E	32.5	33	140	-	30x1 Sin	-	25	21	17	GILDEMEISTER AS25
012.335	9282 E	35	33	118	-	33x1.5	-	26	23	18	SCHÜTTE SD/SE25 AF/SF26 INDEX KM/MS25
012.238		37.5	38.5	140	-	36x1	-	32	28	23	GILDEMEISTER GM25 variante 32
012.538		38	37.3	114.5	-	35x1 Sin	-	30	25	20	WICKMAN V30 Oversize
012.240	9336 E	41.2	39.8	136	-	38x1.5 Sin	-	32	28	23	GILDEMEISTER AS32-6 GM32 MORI SAY 6/32 8/32
012.343	9319 E	43	40	130	-	38x1.5	-	32	28	23	SCHÜTTE SD/VD32 AF/SF32 MORI SAY 6/32 8/32
012.241		41.2	41	136	-	38x1.5	-	32	28	23	GILDEMEISTER GM32-6
012.242	9335 E	41.2	41	136	-	39x1 Sin	-	35	31	25	GILDEMEISTER GM35-6
012.243	9335 E	41.2	41	136	-	39x1	-	35	31	25	GILDEMEISTERGM35-6 GM35-8
012.542	9318 E	42.84	41.5	118	-	40.46x22 fil" Sin	-	36	31	25	WICKMAN 1''3/8-6M 1''3/8-5M
012.351	9372 E	51	48	158	-	48x1.5	-	42	36	29	SCHÜTTE AD40/SF42 MORI SAY6/42 8/42
012.251	9374 E	51.5	50.2	136	-	48x1.5	-	42	37	30	GILDEMEISTER AS/GS/GM42-6
012.552	9362 E	52.21	51.5	127	-	49.98x22 fil" Sin	-	44	38	31	WICKMAN 1''3/4-6M 1''3/4-5M
012.257	9368 E	56	57	160	-	54x1.5 Sin	-	53	45	33	GILDEMEISTER AS48
012.576		76	74.5	178	-	73x24 fil'' Sin	-	64	55	45	WICKMAN 2''5/8-6M

2

PINZE DI AVANZAMENTO CON INSERTO CAMBIO RAPIDO Tipo 013
FEED FINGERS COLLETS WITH QUICK CHANGE INSERT

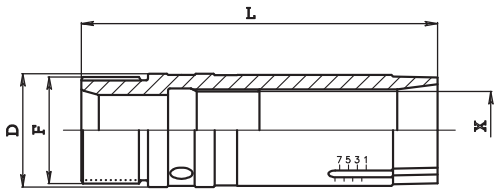


Fig. 1

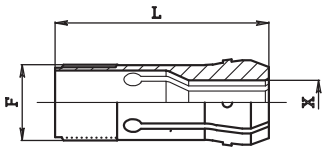


Fig. 2

Art. / Code		D	L	F	Fig.	(X) Art. inserto / Insert code	Alesaggio max / Max bore ○	⬡	□	Macchina / Machine
013.222-917		22	74	20x1	1	013.917	14	12	10	GILDEMEISTER GM16-AC
013.422-917	9265 E	22.8	85	20x0.75	1	013.917	14	12	10	TORNOS SAS16
013.225-920	9258 E	25.5	80	24x1	1	013.920	18	15	12	GILDEMEISTER AS16/AS/GS/GM20-6 MORI SAY 6/20
013.230-924	9288 E	30.5	78	28.5x0.75	1	013.924	21	18	14	GILDEMEISTER AS16/AS/GS/GM20d25
013.240-935	9336 E	41.2	124	38x1.5 Sin	1	013.935	31	27	22	GILDEMEISTER AS32-6/GM32 MORI SAY 6/32 8/32
013.241-935		41.2	124	38x1.5	1	013.935	31	27	22	GILDEMEISTER GM32-6
013.242-935	9335 E	41.2	124	39x1.5 Sin	1	013.935	31	27	22	GILDEMEISTER GM35-6
013.243-935	9335 E	41.2	124	39x1	1	013.935	31	27	22	GILDEMEISTER GM35-6 GM35-8
013.917		–	48	17x1	2	–	14	12	10	–
013.920		–	61	20x1	2	–	19	15	12	–
013.924		–	65	24x1	2	–	21	18	14	–
013.935		–	83	35x1	2	–	31	27	22	–

BOCCOLE GUIDA BARRA Tipo 001
GUIDE BUSHES

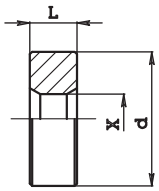


Fig. 1

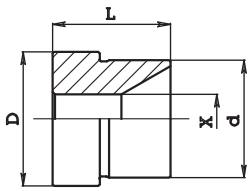


Fig. 2

Art. / Code	d	D	L	Fig.	Alesaggio max / Max bore ○	⬡	□	Macchina / Machine
001.219	16.0	18.5	18	2	13	12	10	GILDEMEISTER GM16-AC
001.218	18.5	-	12	1	12	11	8	GILDEMEISTER GM16-AC
001.423	24.0	-	8	1	14	12	10	TORNOS AS14
001.424	24x1	-	14	1	20	17	14	TORNOS SAS16
001.229	25.0	28.5	25	2	20	17	14	GILDEMEISTER AS16/AS/GS/GM20-6 Caricatore
001.328	28.0	-	22	1	20	17	14	SCHÜTTE SG18/AG20/SF20
001.228	28.5	-	10	1	25	22	18	GILDEMEISTER AS16/AS/GS/GM20-6
001.232	32.7	35.9	9	2	32	27	22	GILDEMEISTER AS32
001.233	33.0	43.8	27	2	32	27	22	GILDEMEISTER AS32
001.236	36.0	42.5	40	2	28	24	20	GILDEMEISTER
001.240	40.0	47.8	43	2	32	27	22	GILDEMEISTER GM32/6
001.242	42.0	47.8	43	2	35	30	24	GILDEMEISTER GM35/6
001.352	52.0	-	36	1	42	36	30	SCHÜTTE SF42