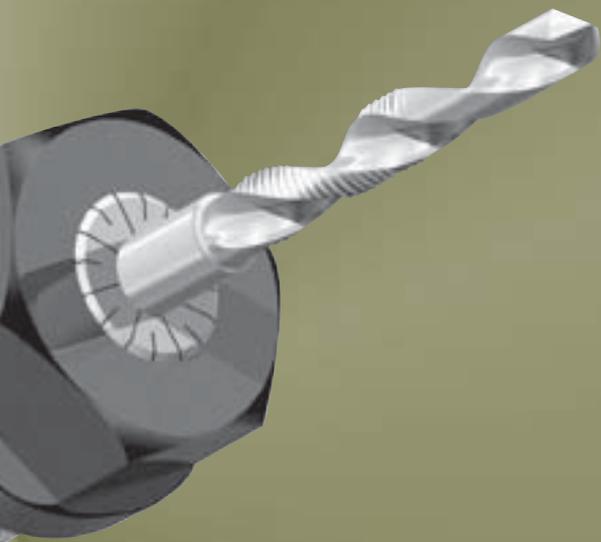


EUROMA[®]

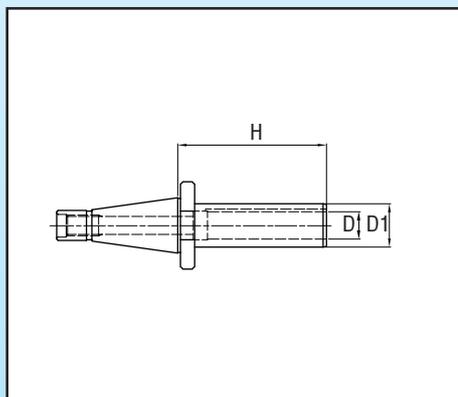
TOOL HOLDERS



FROM:
ISO 30 DIN 2080
TO TR 16 DIN 55058

FROM
ISO 40 DIN 2080
TO TR 36 DIN 55058

FROM
ISO 50 DIN 2080
TR 48 DIN 55058



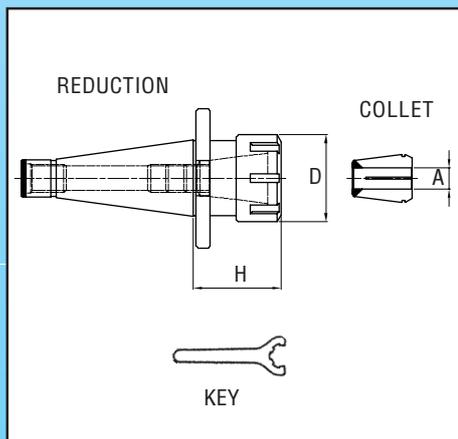
	FROM ISO 30 DIN 2080 TO TR 16 DIN 55058	FROM ISO 40 DIN 2080 TO TR 36 DIN 55058	FROM ISO 50 DIN 2080 TO TR 48 DIN 55058
FOR UNIT	F.24 - F.25 - F.32	F.42 - F.40	F.50
H (mm)	84	110	115
D1 (mm)	25	55	70
D (mm)	16	36	48
CHUCK	DIN 6327	DIN 6327	DIN 6327
CODE	10961002	10961004	10961006

COLLECT CHUCK

FROM
ISO 30 DIN 2080
TO ER 32

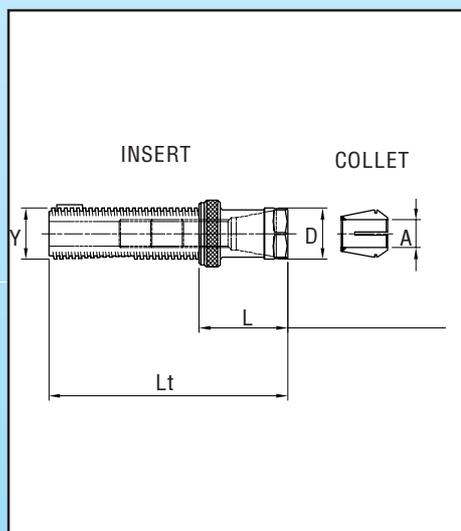
FROM
ISO 40 DIN 2080
TO ER 32

FROM
ISO 50 DIN 2080
TO ER 32

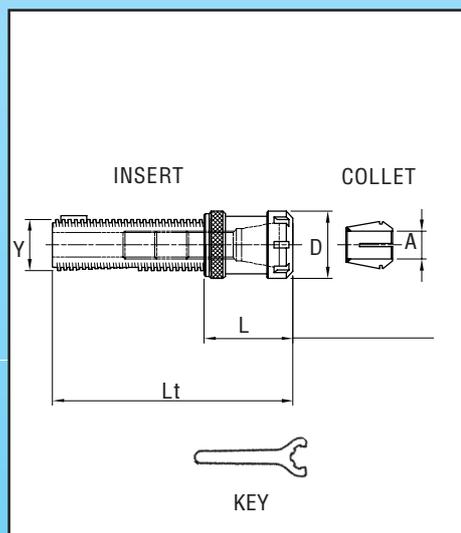


	FROM ISO 30 DIN 2080 TO ER32	FROM ISO 40 DIN 2080 TO ER32	FROM ISO 50 DIN 2080 TO ER32
FOR UNIT	F.24 - F.25 - F.32	F.42 - F.40	F.50
H (mm)	40	50	70
D (mm)	50	50	50
A (mm)	1.0÷20	1.0÷20	1.0÷20
COLLET	ER.32 (vedi pag.131)	ER.32 (vedi pag.131)	ER.32 (vedi pag.131)
SEY	44550116	44550116	44550116
CODE	10961003	10961005	10961007

The collet chuck inserts for DIN 6327 can be used for units that have the acceptable tool holder. The inserts are supplied with threaded regulating length ring and threaded collet locking ring. For collets see page131.

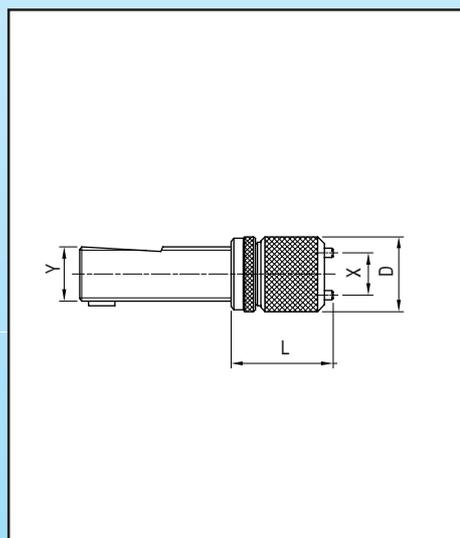


	COLLET CHUCK			
CHUCK TYPE	TR.16 - ER.11	TR.16 - ER.16	TR.28 - ER.16	TR.28 - ER.20
FOR UNIT	F.10	F.10	F.14 - F.20	F.14 - F.20
Y	TR.16x1.5	TR.16x1.5	TR.28x2	TR.28x2
Lt (mm)	100	122	140	140
L (mm)	37	46	55	61
D (mm)	19	28	28	34
A (mm)	0.5÷7	0.5÷10	0.5÷10	0.5÷13
COLLET	ER.11 (pag.131)	ER.16 (pag.131)	ER.11 (pag.131)	ER.20 (pag.131)
KEY	ch. 17	ch. 25	ch. 25	ch. 30
CODE	44530180	44530181	44530182	44530183

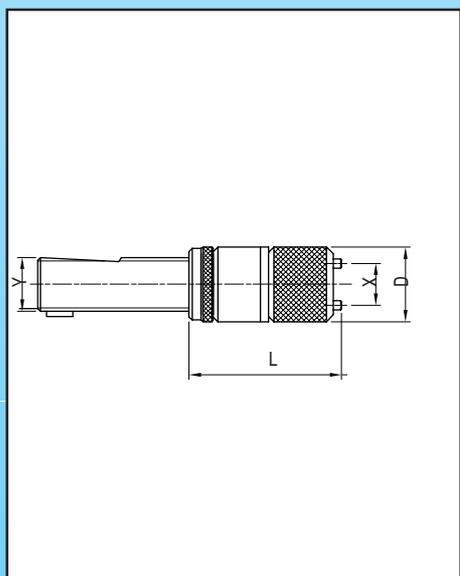


	COLLET CHUCK	
CHUCK TIPE	TR.28 - ER.25	TR.28 - ER.32
FOR UNIT	F.24	F.24
Y	TR.28x2	TR.28x2
Lt (mm)	140	147
L (mm)	61	68
D (mm)	42	50
A (mm)	0.5÷16	1.0÷20
COLLET	ER.25 (see page131)	ER.32 (see page131)
KEY	44550144	44550116
CODE	44530200	44530201

The quick change tap holder M.GS and GSP are used with the Straight Shank holders of our tapping units. For Tap Holders see page 130.

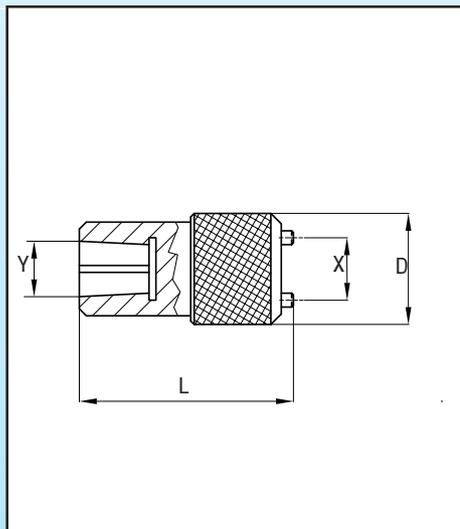


QUICK CHANGE TAP HOLDER DIN 6327					
SPINDLE	M.GS.1	M.GS.2	M.GS.3		M.GS.4
FOR UNIT	M.12	M.16 - M.20	M.28	M.38	M.38 - M.42
HOLDER	AT 4	AT 25	Ø 28	Ø 36	Ø 36
THREAD	M3 - M12	M8 - M20	M14 - M33	M14 - M33	M22 - M48
Y	Tr16x1,5	Tr28x2	Tr28x2	Tr36x2	Tr36x2
D (mm)	32	50	72		95
L (mm)	49	66	95	97	120
X (mm)	19	31	48		60
TAP HOLDER	1	2	3		4
CODE	44510210	44510211	44510212	44510213	44510214



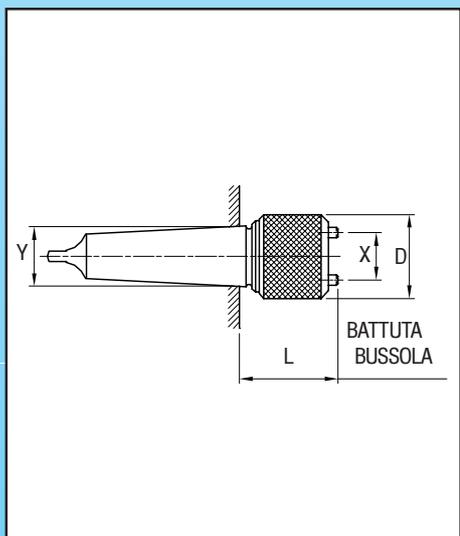
QUICK CHANGE TAP HOLDER WITH FLOATED COMPENSATION DIN 6327					
SPINDLE	M.GSP.1	M.GSP.2	M.GSP.3		M.GSP.4
FOR UNIT	M.12	M.16 - M.20	M.28	M.38	M.38 - M.42
HOLDER	AT 4	AT 25	Ø 28	Ø 36	Ø 36
THREAD	M3 - M12	M8 - M20	M14 - M33	M14 - M33	M22 - M48
Y	Tr16x1,5	Tr28x2	Tr28x2	Tr36x2	Tr36x2
D (mm)	32	50	72		95
L (mm)	70	96	136	138	167
X (mm)	19	31	48		60
RADIAL GAUGE (mm)	0,5	1	1,5		2
TAP HOLDER	Gr.1	Gr.2	Gr.3		Gr.4
CODE	44510220	44510221	44510222	44510223	44510224

The quick change tap holder M.GSB is used with the cone type holders of our tapping units. For Tap Holders see page 130.



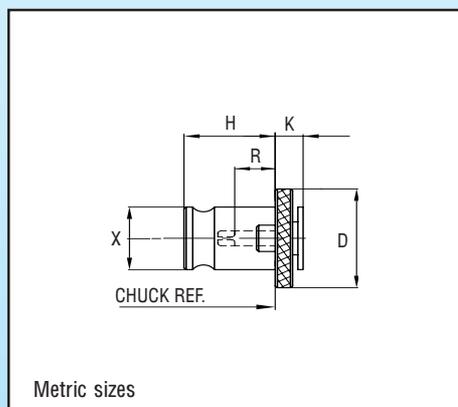
QUICK CHANGE TAP HOLDER DIN 238			
TYPE	M.GSB/1		M.GSB/2
FOR UNIT	M.12	M.16 - M.20	M.16 - M.20
TOOL HOLDER	AT1 - AT15	AT6	AT6
THREAD	M3 - M12	M3 - M12	M8 - M20
Y (mm)	B12	B18	B18
D (mm)	32		50
L (mm)	59	73	92
X (mm)	19		31
COLLET	1		2
CODE	44510014	44510016	44510018

The quick change tap holder M.GSC is used with the Morse Cone type holders of our tapping units. For Tap Holders see pag 130.



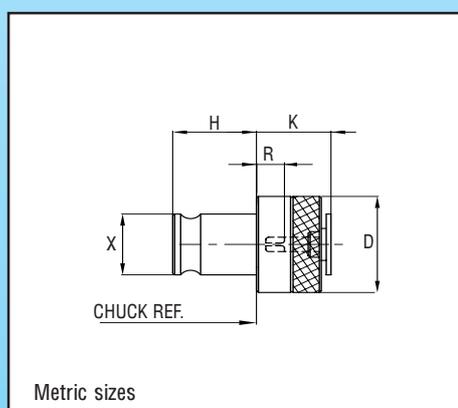
QUICK CHANGE TAP HOLDER DIN 228 B		
TYPE	M.GSC.1	M.GSC.2
FOR UNIT	M.12	M.16 - M.20
TOOL HOLDER	AT 5	AT 9
THREAD	M.3 - M.12	M.8 - M.20
Y (mm)	1	2
D (mm)	32	50
L (mm)	43	61
X (mm)	19	31
COLLET	1	2
CODE	44510100	44510101

The M.SE and M.SES tap holders are used with the Quick Change Tap Holders seen on pages 128-129.



	D (mm)	X (mm)	H (mm)	K (mm)	R (mm)
M.SE1	30	19	21.5	7	10
M.SE2	48	31	35	11	19
M.SE3	70	48	55.5	14	30

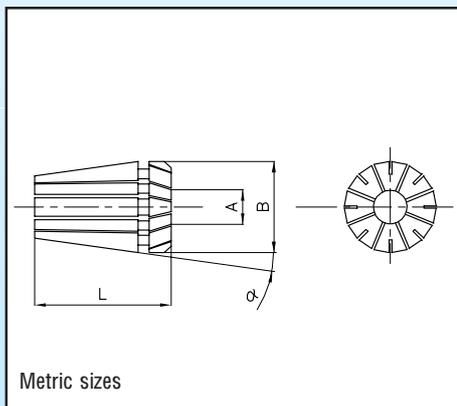
TAP HOLDERS (THROUGH HOLES)								
M.SE1			M.SE2			M.SE3		
TOOL		CODE	TOOL		CODE	TOOL		CODE
Ø	∅		Ø	∅		Ø	∅	
2.5	2.1	44520034	6	4.9	44520066	11	9	44520102
2.8	2.1	44520036	6.3	5	44520068	11.2	9	44520104
3.15	2.5	44520038	7	5.5	44520070	12	9	44520106
3.5	2.7	44520040	8	6.2	44520072	12.5	10	44520108
3.55	2.8	44520042	9	7	44520074	14	11	44520110
4	3	44520044	10	8	44520076	14	11.2	44520112
4	3.15	44520046	11	9	44520078	16	12	44520114
4.5	3.4	44520048	11.2	9	44520080	16	12.5	44520116
5	4	44520050	12	9	44520082	18	14	44520118
6	4.9	44520052	12.5	10	44520084	18	14.5	44520120
6.3	5	44520054	14	11	44520086	20	16	44520122
7	5.5	44520056	14	11.2	44520088	22	18	44520124
8	6.2	44520058	16	12	44520092	22.4	18	44520126
9	7	44520060	16	12.5	44520094	25	20	44520128
10	8	44520062	18	14.5	44520096	28	22	44520130
11	9	44520064						



	D (mm)	X (mm)	H (mm)	K (mm)	R (mm)
M.SES1	32	19	21.5	25	8
M.SES2	50.5	31	35	34	4
M.SES3	72	48	55.5	45	1

CLUTCH TAP HOLDERS (BLIND HOLES)								
M.SES1			M.SES2			M.SES3		
TOOL		CODE	TOOL		CODE	TOOL		CODE
Ø	∅		Ø	∅		Ø	∅	
2.5	2.1	44520038	6	4.9	44520080	11	9	44520112
2.8	2.1	44520040	6.3	5	44520082	11.2	9	44520114
3.15	2.5	44520042	7	5.5	44520084	12	9	44520116
3.5	2.7	44520044	8	6.2	44520086	12.5	10	44520118
3.55	2.8	44520046	9	7	44520088	14	11	44520120
4	3	44520048	10	8	44520090	14	11.2	44520122
4	3.15	44520050	11	9	44520092	16	12	44520124
4.5	3.4	44520052	11.2	9	44520094	16	12.5	44520126
5	4	44520054	12	9	44520096	18	14	44520128
6	4.9	44520056	12.5	10	44520098	18	14.5	44520130
6.3	5	44520058	14	11	44520100	20	16	44520132
7	5.5	44520060	14	11.2	44520102	22	18	44520134
8	6.2	44520062	16	12	44520104	22.4	18	44520136
9	7	44520064	16	12.5	44520106	25	20	44520138
10	8	44520066	18	14.5	44520108	28	22	44520140
11	9	44520068						

The spring collets ER DIN 6499 are used with the ER collet holders of our units.



	A (mm)	α	B (mm)	L (mm)
E.ZER 8	0.5 - 5	8°	8.5	13.5
E.ZER11	0.5 - 7	8°	11.5	18
E.ZER16	0.5 - 10	8°	17	27
E.ZER20	0.5 - 13	8°	21	31
E.ZER25	0.5 - 16	8°	26	35
E.ZER32	2 - 20	8°	33	40

Ø mm	COLLETS CAPACITY					
	E.ZER8	E.ZER11	E.ZER16	E.ZER20	E.ZER25	E.ZER32
1	1-0.5	1-0.5	1-0.5	1-0.5	1-0.5	
1.5	1.5-1	1.5-1				
2	2-1.5	2-1.5	2-1	2-1	2-1	2-1
2.5	2.5-2	2.5-2				
3	3-2.5	3-2.5	3-2	3-2	3-2	3-2
3.5	3.5-3	3.5-3				
4	4-3.5	4-3.5	4-3	4-3	4-3	4-3
4.5	4.5-4	4.5-4				
5	5-4.5	5-4.5	5-4	5-4	5-4	5-4
5.5		5.5-5				
6		6-5.5	6-5	6-5	6-5	6-5
6.5		6.5-6				
7		7-6.5	7-6	7-6	7-6	7-6
8			8-7	8-7	8-7	8-7
9			9-8	9-8	9-8	9-8
10			10-9	10-9	10-9	10-9
11				11-10	11-10	11-10
12				12-11	12-11	12-11
13				13-12	13-12	13-12
14					14-13	14-13
15					15-14	15-14
16					16-15	16-15
17						17-16
18						18-17
19						19-18
20						20-19

Ø mm	CODE					
	E.ZER8	E.ZER11	E.ZER16	E.ZER20	E.ZER25	E.ZER32
1	44530010	44530030	44530056	44530076	44530102	
1.5	44530012	44530032				
2	44530014	44530034	44530058	44530078	44530104	44530134
2.5	44530016	44530036				
3	44530018	44530038	44530060	44530080	44530106	44530136
3.5	44530020	44530040				
4	44530024	44530042	44530062	44530082	44530108	44530138
4.5	44530026	44530044				
5	44530028	44530046	44530064	44530084	44530110	44530140
5.5		44530048				
6		44530050	44530066	44530086	44530112	44530142
6.5		44530052				
7		44530054	44530068	44530088	44530114	44530144
8			44530070	44530090	44530116	44530146
9			44530072	44530092	44530118	44530148
10			44530074	44530094	44530120	44530150
11				44530096	44530122	44530152
12				44530098	44530124	44530154
13				44530100	44530126	44530156
14					44530128	44530158
15					44530130	44530160
16					44530132	44530162
17						44530164
18						44560166
19						44530168
20						44530170