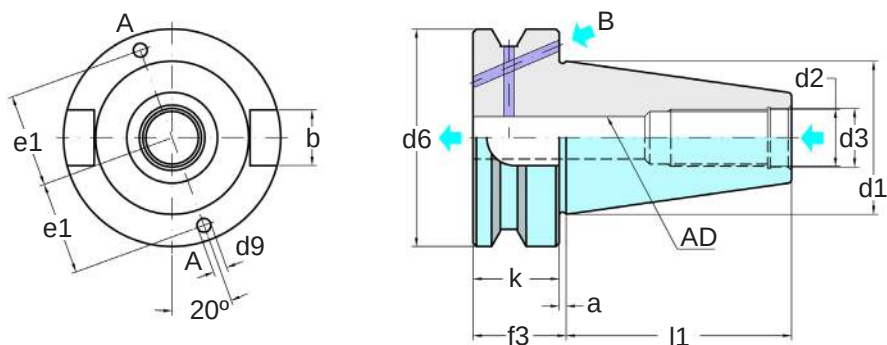




PROGRAMA

						
PAG. 4-5	PAG. 6	PAG. 7	PAG. 8	PAG. 8	PAG. 8	PAG. 9
						
PAG. 10	PAG. 11-13	PAG. 14	PAG. 15-16	PAG. 17	PAG. 18-23	PAG. 23
						
PAG. 24	PAG. 24	PAG. 25-26	PAG. 27-29	PAG. 30-32	PAG. 33	PAG. 34
						
PAG. 35	PAG. 36	PAG. 37	PAG. 37	PAG. 38	PAG. 39-43	PAG. 43
						
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PAG. 52	PAG. 53-54	PAG. 55	PAG. 56	PAG. 57	PAG. 58-60	PAG. 58-60



CONO TAPER	FORMA FORM	d1	d2	d3	d6	l1	a	k	f3	b	d9	e1
BT30	AD	31.75	M12	12.5	46	48.4	2	20	22	16.1	-	-
BT40	AD+B	44.45	M16	17	63	65.4	2	25	27	16.1	4	27
BT50	AD+B	69.85	M24	25	100	101.8	3	35	38	25.7	6	42

Forma
AD+B = BTB



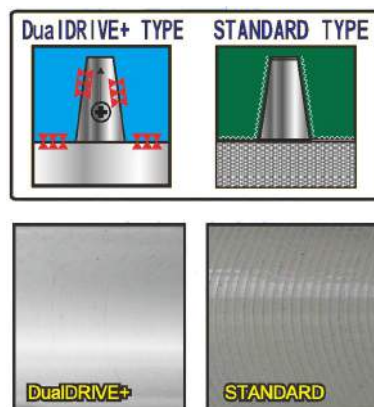
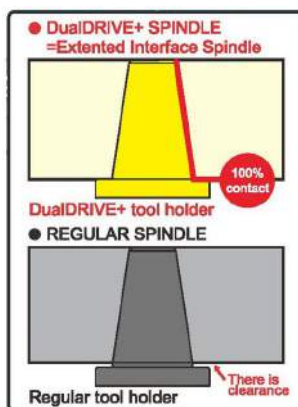
Forma
AD = BT



DOBLE
CONTACTO



CONO TAPER	FORMA FORM
SBT30	AD
SBT40	AD
SBT50	AD



MAS/403BT

Porta pinzas ER tuerca STANDARD
Collet chucks ER STANDARD nut



BT30

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
BT30.H55.ERC16	1	1 ÷ 10	12.000	AD	55	28
BT30.H70.ERC16					70	
BT30.H100.ERC16					100	
BT30.H70.ERC20		1 ÷ 14			70	34
BT30.H60.ERC25		1 ÷ 20			60	42
BT30.H90.ERC25					90	
BT30.H60.ERC32					60	
BT30.H70.ERC32		2 ÷ 22			70	50
BT30.H100.ERC32					100	
BT30.H80.ERC40		3 ÷ 30			80	63

BT40

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
BTB40.H70.ERC16	1	1 ÷ 10	12.000	AD+B	70	28
BTB40.H100.ERC16					100	
BTB40.H120.ERC16					120	
BTB40.H150.ERC16					150	
BTB40.H200.ERC16					200	
BTB40.H70.ERC20	1	1 ÷ 14	12.000	AD+B	70	34
BTB40.H100.ERC20					100	
BTB40.H160.ERC20					160	
BTB40.H70.ERC25	1	1 ÷ 20	12.000	AD+B	70	42
BTB40.H100.ERC25					100	
BTB40.H130.ERC25					130	
BTB40.H160.ERC25					160	
BTB40.H200.ERC25					200	
BTB40.H70.ERC32	1	2 ÷ 22	12.000	AD+B	70	50
BTB40.H100.ERC32					100	
BTB40.H130.ERC32					130	
BTB40.H150.ERC32					150	
BTB40.H200.ERC32					200	
BTB40.H70.ERC40	1	3 ÷ 30	12.000	AD+B	70	63
BTB40.H100.ERC40					100	
BTB40.H130.ERC40					130	
BTB40.H150.ERC40					150	
BTB40.H200.ERC40					200	
BTB40.H85.ERC50	1	6 ÷ 34	12.000	AD+B	85	78



MAS/403BT

Porta pinzas ER tuerca STANDARD
Collet chucks ER STANDARD nut



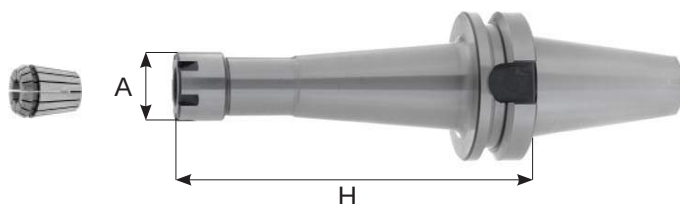
BT50

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
BTB50.H100.ERC16	1	1 ÷ 10	12.000	AD+B	100	28
BTB50.H160.ERC16					160	
BTB50.H200.ERC16					200	
BTB50.H100.ERC20	1	1 ÷ 14	12.000	AD+B	100	34
BTB50.H160.ERC20					160	
BTB50.H200.ERC20					200	
BTB50.H80.ERC25	1	1 ÷ 20	12.000	AD+B	80	42
BTB50.H100.ERC25					100	
BTB50.H130.ERC25					130	
BTB50.H160.ERC25					160	
BTB50.H200.ERC25					200	
BTB50.H80.ERC32	1	2 ÷ 22	12.000	AD+B	80	50
BTB50.H100.ERC32					100	
BTB50.H120.ERC32					120	
BTB50.H160.ERC32					160	
BTB50.H200.ERC32					200	
BTB50.H250.ERC32					250	
BTB50.H80.ERC40	1	3 ÷ 30	12.000	AD+B	80	63
BTB50.H100.ERC40					100	
BTB50.H130.ERC40					130	
BTB50.H160.ERC40					160	
BTB50.H200.ERC40					200	
BTB50.H250.ERC40					250	
BTB50.H300.ERC40					300	
BTB50.H100.ERC50	1	6 ÷ 34	12.000	AD+B	100	78
BTB50.H130.ERC50					130	
BTB50.H160.ERC50					160	



MAS/403BT

Porta pinzas ER tuerca MINI
Collet chucks ER MINI nut



BT30

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
BT30.H80.ERC8M	5	1 ÷ 5	15.000	AD	80	12
BT30.H130.ERC8M		1 ÷ 5			130	
BT30.H160.ERC8M		1 ÷ 5			160	
BT30.H80.ERC11M	1	1 ÷ 7	12.000	AD	80	16
BT30.H130.ERC11M	5	1 ÷ 7	15.000		130	
BT30.H120.ERC16M	1	1 ÷ 10	12.000	AD	120	22

BT40

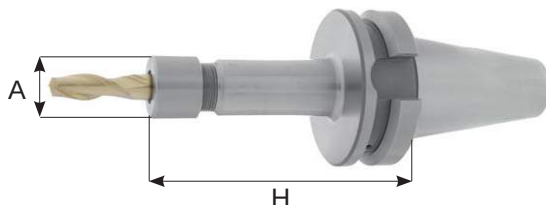
REFERENCIA	FAM	CAP	RPM	FORMA	H	A
BTB40.H100.ERC11M	1	1 ÷ 7	12.000	AD+B	100	16
BTB40.H125.ERC11M					125	
BTB40.H150.ERC11M					150	
BTB40.H100.ERC16M	1	1 ÷ 10	12.000	AD+B	100	22
BTB40.H125.ERC16M					125	
BTB40.H150.ERC16M					150	
BTB40.H100.ERC20M	1	1 ÷ 14	12.000	AD+B	100	28
BTB40.H135.ERC20M					135	
BTB40.H150.ERC20M					150	
BTB40.H100.ERC25M	1	1 ÷ 20	12.000	AD+B	100	35
BTB40.H150.ERC25M					150	
BTB40.H200.ERC25M					200	

BT50

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
BTB50.H135.ERC16M	1	1 ÷ 10	12.000	AD+B	135	22
BTB50.H160.ERC16M					160	
BTB50.H200.ERC16M					200	
BTB50.H135.ERC20M	1	1 ÷ 14	12.000	AD+B	135	28

MAS/403BT

Porta pinzas ER tuerca MINI - ALTA VELOCIDAD
Collet chucks ER MINI nut - HIGH SPEED



BT40

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
BTB40.H100.ERC11MNF	1	1 ÷ 7	25.000	AD+B	100	16
BTB40.H100.ERC16MNF	1	1 ÷ 10	25.000	AD+B	100	24
BTB40.H125.ERC16MNF					125	24
BTB40.H100.ERC20MNF	1	1 ÷ 14	25.000	AD+B	100	30
BTB40.H100.ERC25MNF	1	1 ÷ 20	25.000	AD+B	100	37

MAS/403BT

Porta pinzas ER tuerca STANDARD - ALTA VELOCIDAD
Collet chucks ER STANDARD nut



BT40

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
BTB40.H100.ERC16NF	1	1 ÷ 10	25.000	AD+B	100	32
BTB40.H120.ERC16NF					120	
BTB40.H100.ERC20NF	1	1 ÷ 14	25.000	AD+B	100	35
BTB40.H100.ERC25NF	1	1 ÷ 20	25.000	AD+B	100	42
BTB40.H130.ERC25NF					130	
BTB40.H100.ERC32NF	1	2 ÷ 22	25.000	AD+B	100	50
BTB40.H130.ERC32NF					130	



MAS/403BT

Porta pinzas Extra Corto
Shorty Collet chucks

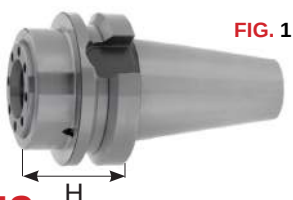


FIG. 1

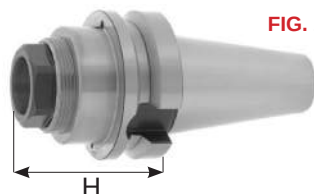


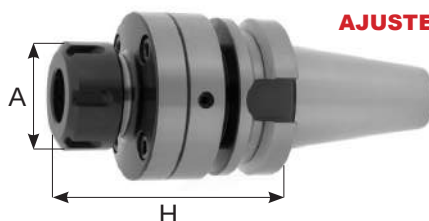
FIG. 2

BT40 / BT50

REFERENCIA	FAM	CAP	RPM	FORMA	H
BT40.H29.ERC32A	1	2 ÷ 22	12.000	AD	29
BTB40.H50.ERC32A					50
BTB40.H55.ERC32AEX					55
BTB50.H40.ERC32A					40

MAS/403BT

Porta pinzas ER Regulación Radial
Radial adjustable collet chucks



AJUSTE 0.01mm

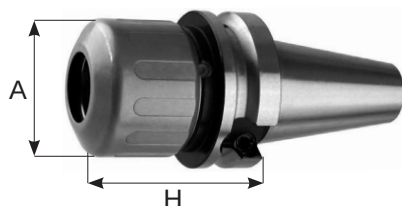


BT40 / BT50

REFERENCIA	FAM	CAP	FORMA	A	H
BTB40.H94.ERC25RG	1	1 ÷ 20	AD	42	94
BTB40.H95.ERC32RG		2 ÷ 22	AD	50	95
BTB40.H131.ERC40RG		3 ÷ 30	AD	63	131
BTB50.H100.ERC32RG		2 ÷ 22	AD	50	100

MAS/403BT

Porta pinzas Gran Apriete Mecánico pinza ER
Mechanical collet chucks ER with high tightening torque

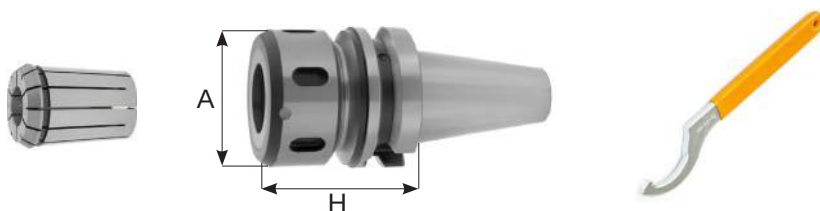


BT40 / BT50

REFERENCIA	FAM	CAP	RPM	FORMA	PINZA	H	A
BT40.H80.MTT54	13	2 ÷ 22	15.000	AD	ER32	80	54
BT50.H110.MTT54	13	2 ÷ 22	15.000	AD	ER32	110	54
BT50.H120.MTT65		3 ÷ 30		AD	ER40	120	65

MAS/403BT

Porta pinzas para pinza EOC DIN/6388 B
Collet chucks EOC DIN/6388 B



BT30

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
BTB30.H65.EOC16	4	2 ÷ 16	12.000	AD+B	65	43
BTB30.H65.EOC25	4	2 ÷ 25			65	60

BT40

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
BTB40.H70.EOC16	1	2 ÷ 16	12.000	AD+B	70	43
BT40.H70.EOC20	5	4 ÷ 20	12.000	AD	70	50
BTB40.H70.EOC25	1	2 ÷ 25	12.000	AD+B	70	60
BTB40.H100.EOC25	1	2 ÷ 25			100	60
BTB40.H120.EOC25	5	2 ÷ 25			120	60
BTB40.H160.EOC25	5	2 ÷ 25			160	60
BTB40.H90.EOC32	1	3 ÷ 32	12.000	AD+B	90	72

BT50

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
BTB50.H70.EOC16	2	2 ÷ 16	12.000	AD+B	70	43
BTB50.H100.EOC16					100	43
BTB50.H70.EOC25	1	2 ÷ 25	12.000	AD+B	70	60
BTB50.H100.EOC25	2	2 ÷ 25			100	60
BTB50.H90.EOC32	2	3 ÷ 32	12.000	AD+B	90	72
BTB50.H130.EOC32	2	3 ÷ 32			160	72
BTB50.H90.EOC40	4	6 ÷ 40	12.000	AD+B	90	82
BTB50.H100.EOC50	4	8 ÷ 50	12.000	AD+B	100	100



MAS/403BT

Porta pinzas Gran Apriete Mecánico pinza cilíndrica
Power milling chucks



BT30 / BT40 / BT50

REFERENCIA	FAM	CAP	FORMA	H	A
BT30.H90.MC20	18	3 ÷ 16	AD	90	56.5
BT40.H100.MC20	18	3 ÷ 16	AD	100	56.5
BT40.H105.MC32		3 ÷ 25		105	71
BT50.H105.MC20	18	3 ÷ 16	AD	105	56.5
BT50.H135.MC32		3 ÷ 25		135	71

Estuche porta pinzas Gran Apriete Mecánico
Straight shank collet chuck kit

REFERENCIA	FAM	Capacidad
BX.BT40.MC20	1	Pinza 3SR20
BX.BT50.MC20		6 . 8 . 10 . 12 . 16
BX.BT40.MC32	1	Pinza 3SR32
BX.BT50.MC32		6 . 8 . 10 . 12 . 16 . 20 . 25



Porta pinzas Gran Apriete Mecánico pinza cilíndrica paso refrigerante
Sealed collets Power milling chuck



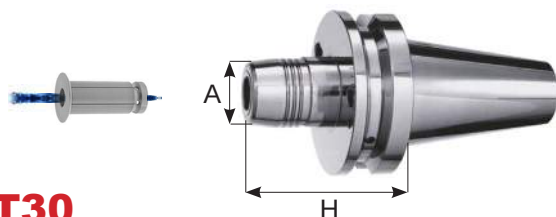
**Refrigeración
Interna
Coolant flow**

BT40 / BT50

REFERENCIA	FAM	CAP	FORMA	H	A
BTB40.H80.MCP20	1	3 ÷ 16	AD+B	80	56
BTB40.H85.MCP32	1	4 ÷ 25	AD+B	85	70
BTB50.H100.MCP20	1	3 ÷ 16	AD+B	100	56
BTB50.H100.MCP32	1	4 ÷ 25	AD+B	100	70

MAS/403BT

Porta pinzas Hidráulico paso refrigerante
Sealed collets Hydraulic Collet chucks



Refrigeración
Interna
Coolant flow

BT30

REFERENCIA	FAM	D	FORMA	H	A
BTB30.H60.HD6	4	6	AD+B	60	26
BTB30.H64.HD8		8	AD+B	64	28
BTB30.H64.HD10		10	AD+B	64	30
BTB30.H72.HD12		12	AD+B	72	32
BTB30.H70.HD14		14	AD+B	70	34
BTB30.H90.HD16		16	AD+B	90	38
BTB30.H90.HD18		18	AD+B	90	40
BTB30.H90.HD20		20	AD+B	90	42
BTB30.H110.HD25		25	AD+B	110	50

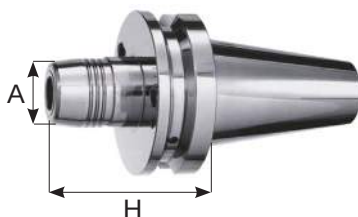
BT40

REFERENCIA	FAM	D	FORMA	H	A
BTB40.H90.HD6	4	6	AD+B	90	26
BTB40.H150.HD6				150	
BTB40.H200.HD6				200	
BTB40.H90.HD8	4	8	AD+B	90	28
BTB40.H150.HD8				150	
BTB40.H200.HD8				200	
BTB40.H90.HD10	4	10	AD+B	90	30
BTB40.H150.HD10				150	
BTB40.H200.HD10				200	
BTB40.H90.HD12	4	12	AD+B	90	32
BTB40.H120.HD12				120	22
BTB40.H150.HD12				150	32
BTB40.H200.HD12				200	32
BTB40.H90.HD14	4	14	AD+B	90	34
BTB40.H150.HD14				150	
BTB40.H200.HD14				200	
BTB40.H90.HD16	4	16	AD+B	90	38
BTB40.H140.HD16				140	
BTB40.H150.HD16				150	
BTB40.H200.HD16				200	
BTB40.H90.HD18	4	18	AD+B	90	40
BTB40.H150.HD18				150	
BTB40.H200.HD18				200	



MAS/403BT

Porta pinzas Hidráulico paso refrigerante
Sealed collets Hydraulic Collet chucks



Refrigeración
Interna
Coolant flow

BT40

REFERENCIA	FAM	D	FORMA	H	A
BTB40.H90.HD20	4	20	AD+B	90	42
BTB40.H150.HD20				150	
BTB40.H200.HD20				200	
BTB40.H90.HD25	4	25	AD+B	90	50
BTB40.H150.HD25				150	
BTB40.H200.HD25				200	
BTB40.H90.HD32	4	32	AD+B	90	60
BTB40.H150.HD32				150	
BTB40.H200.HD32				200	

BT50

REFERENCIA	FAM	D	FORMA	H	A
BTB50.H110.HD6	4	6	AD+B	110	26
BTB50.H160.HD6				160	
BTB50.H110.HD8	4	8	AD+B	110	28
BTB50.H160.HD8				160	
BTB50.H110.HD10	4	10	AD+B	110	30
BTB50.H160.HD10				160	
BTB50.H110.HD12	4	12	AD+B	110	32
BTB50.H160.HD12				160	
BTB50.H110.HD14	4	14	AD+B	110	34
BTB50.H160.HD14				160	
BTB50.H110.HD16	4	16	AD+B	110	38
BTB50.H160.HD16				160	
BTB50.H110.HD18	4	18	AD+B	110	40
BTB50.H160.HD18				160	
BTB50.H90.HD20	4	20	AD+B	90	42
BTB50.H110.HD20				110	
BTB50.H160.HD20				160	
BTB50.H110.HD25	4	25	AD+B	110	50
BTB50.H160.HD25				160	
BTB50.H110.HD32	4	32	AD+B	110	60
BTB50.H160.HD32				160	
BTB50.H130.HD40	4	40	AD+B	130	70

Porta pinzas Hidráulico serie corta reforzado con paso refrigerante
Hydraulic chucks short desing



Refrigeración
Interna
Coolant flow

BT40 / BT50

REFERENCIA	FAM	D	FORMA	H	A
BTB40.H72.5.HD20	4	25	AD+B	72.5	40
BTB50.H90.HD32	4	32	AD+B	90	56

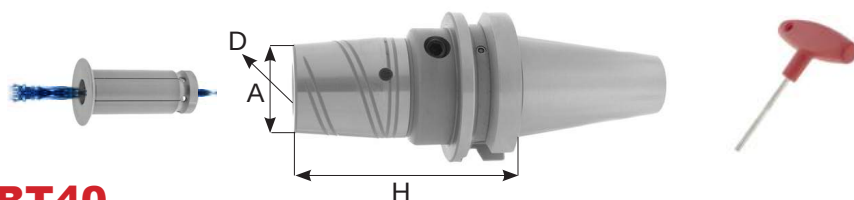
Pinzas Hidráulicas
Collets for hydraulic



PAG. 1 - 46

MAS/403BT

Porta pinzas Hidráulico
Hydraulic expansion chucks



Refrigeración
Interna
Coolant flow

BT40

REFERENCIA	FAM	D	RPM	FORMA	H	A
BTB40.H72.D20HYE	1	20	20.000	AD+B	72	50
BTB40.H90.D20HYE		20		AD+B	90	42
BTB40.H90.D32HYE		32		AD+B	90	56

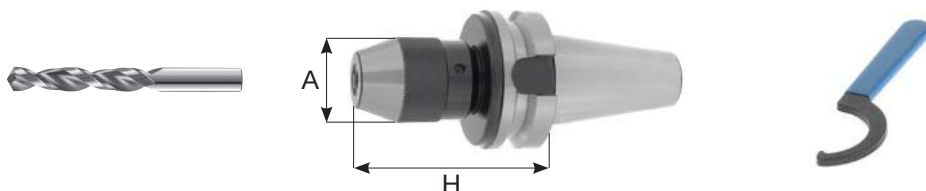
Pinzas Hidráulicas
Collets for hydraulic



PAG. 1 - 46

MAS/403BT

Mandrino Porta brocas con llave de gancho
Drill chuck with hook wrench



BT30

REFERENCIA	FAM	CAP	H	A
BT30.H80.DCK8	1	1 ÷ 8	80	36
BT30.H110.DCK13	1	1 ÷ 13	110	50

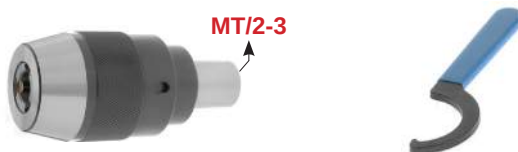
BT40

REFERENCIA	FAM	CAP	H	A
BT40.H85.DCK8	1	1 ÷ 8	85	36
BT40.H98.DCK13	1	1 ÷ 13	98	50
BT40.H105.DCK16	1	1 ÷ 16	105	58

BT50

REFERENCIA	FAM	CAP	H	A
BT50.H105.DCK13	1	1 ÷ 13	105	50
BT50.H110.DCK16	1	1 ÷ 16	110	58

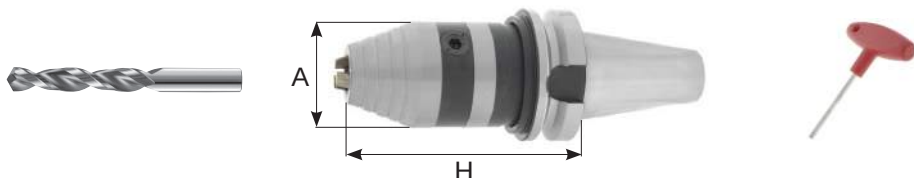
Recambio Porta brocas con llave de gancho
Replacement drill chuck with hook wrench heads



REFERENCIA	FAM	CAP
DCK8.MT2S	1	1 ÷ 8
DCK13.MT3S	1	1 ÷ 13
DCK16.MT3S	1	1 ÷ 16

MAS/403BT

Porta brocas Gran apriete con llave hexagonal
Exagonal key look drill chucks titanium jaws



BT30

REFERENCIA	FAM	CAP	FORMA	H	A
BT30.H93.CP13	2	1 ÷ 13	AD	93	50

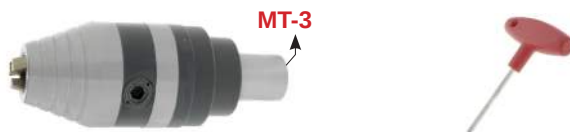
BT40

REFERENCIA	FAM	CAP	FORMA	H	A
BT40.H115.CP13	1	1 ÷ 13	AD	115	50
BT40.H120.CP16	1	1 ÷ 16	AD	120	50

BT50

REFERENCIA	FAM	CAP	FORMA	H	A
BT50.H120.CP13	1	1 ÷ 13	AD	120	50
BT50.H125.CP16	1	1 ÷ 16	AD	125	50

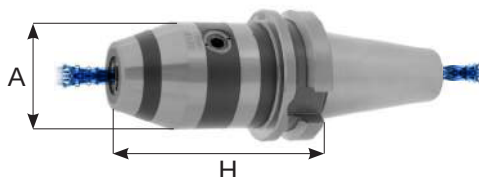
Recambio Porta brocas Gran apriete
Replacement drill chuck heads



REFERENCIA	FAM	CAP
CP13.MT3	1	1 ÷ 13
CP16.MT3	1	1 ÷ 16

MAS/403BT

Porta brocas Gran apriete llave hexagonal paso refrigerante
Exagonal key lock drill chucks with coolant through



Refrigeración
Interna
Coolant flow

BT40 / BT50

REFERENCIA	FAM	CAP	FORMA	H	A
BT40.H98.HD13	1	1 ÷ 13	AD	98	50
BT40.H103.HD16	1	1 ÷ 16	AD	103	50
BT50.H109.HD13	1	1 ÷ 13	AD	109	50
BT50.H114.HD16	1	1 ÷ 16	AD	114	50

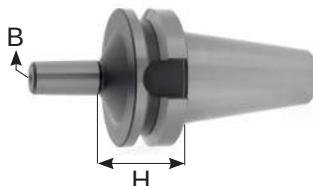
Recambio Porta brocas Gran apriete paso refrigerante
Replacement drill chuck heads



REFERENCIA	FAM	CAP
HD13	1	1 ÷ 13
HD16	1	1 ÷ 16

MAS/403BT

Mandrino Porta brocas
Drill chuck Arbors



BT30 / BT40 / BT50

REFERENCIA	FAM	DIN	B	H
BT30.H30.B12	1	DIN/238	B12	30
BT30.H30.B16			B16	30
BT40.H40.B12	1	DIN/238	B12	40
BT40.H42.B16			B16	42
BT40.H42.B18			B18	42
BT50.H45.B16	1	DIN/238	B16	45
BT50.H45.B18			B18	45

MAS/403BT

Porta Escariador flotante con paso refrigerante
Floating reamer holder with coolant flow



Refrigeración
Interna
Coolant flow

BT30 / BT40 / BT50

REFERENCIA	FAM	CAP	PINZA	FORMA	FLOT	H	A
BT30.16.RM16	6	1 ÷ 10	ER16	AD	± 1 mm	64	32
BT30.16.RM20		1 ÷ 16	ER20			70	35
BT30.20.RM16		1 ÷ 10	ER16			64	32
BT30.20.RM20		1 ÷ 16	ER20			70	35
BT40.16.RM16	6	1 ÷ 14	ER16	AD	± 1 mm	69	32
BT40.16.RM25		1 ÷ 20	ER25			78	42
BT40.20.RM16		1 ÷ 14	ER16			69	32
BT40.20.RM25		1 ÷ 20	ER25			78	42
BT40.25.RM20		1 ÷ 16	ER20			75	35
BT40.25.RM32		2 ÷ 22	ER32			83	50
BT40.25.RM40		3 ÷ 30	ER40			89	63
BT40.32.RM32		2 ÷ 22	ER32			83	50
BT40.32.RM40		3 ÷ 30	ER40			89	63
BT50.16.RM16	6	1 ÷ 14	ER16	AD	± 1 mm	79	32
BT50.16.RM25		1 ÷ 20	ER25			88	42
BT50.20.RM16		1 ÷ 14	ER16			79	32
BT50.20.RM25		1 ÷ 20	ER25			88	42
BT50.25.RM16		1 ÷ 14	ER16			79	32
BT50.25.RM32		2 ÷ 22	ER32			93	50
BT50.25.RM40		3 ÷ 30	ER40			99	63
BT50.32.RM32		2 ÷ 22	ER32			93	50
BT50.32.RM40		3 ÷ 30	ER40			99	63

El escariador oscila radialmente con un sistema flotante y autocentrante regulable.

Se garantiza un perfecto alineamiento entre la herramienta y la pieza a mecanizar.

Esta taladrado para permitir el paso de la refrigeración a través de la pinza o escariador.

The holder is designed with full floating and selfcenteringmovement.

The alignment of the reaner with a previously drilled hole is granted also to the high speeds.

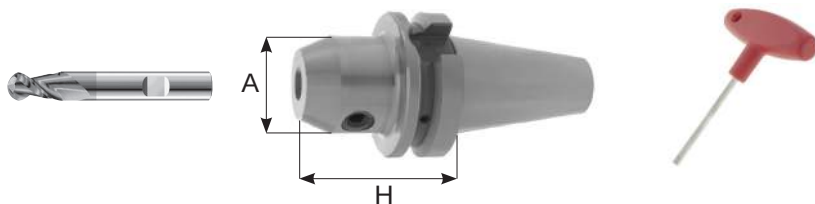
The floating of the reamer is easy adjustable.

The holder is full drilled for coolant or air supply y through the collet slots or the reamer holes.



MAS/403BT

Porta fresas weldon DIN 1835-B
End mill holders for DIN 1835-B



BT30

REFERENCIA	FAM	D	FORMA	H	A
BT30.H50.WE6 BT30.H100.WE6	1	6	AD	50 100	25
BT30.H50.WE8 BT30.H100.WE8	1	8	AD	50 100	28
BT30.H50.WE10 BT30.H100.WE10	1	10	AD	50 100	35
BT30.H50.WE12 BT30.H100.WE12	1	12	AD	50 100	42
BT30.H50.WE14 BT30.H100.WE14	1	14	AD	50 100	44
BT30.H63.WE16 BT30.H100.WE16	1	16	AD	63 100	48
BT30.H63.WE18 BT30.H100.WE18	1	18	AD	63 100	50
BT30.H63.WE20 BT30.H100.WE20	1	20	AD	63 100	52
BTB30.H90.WE25	4	25	AD+B	90	65

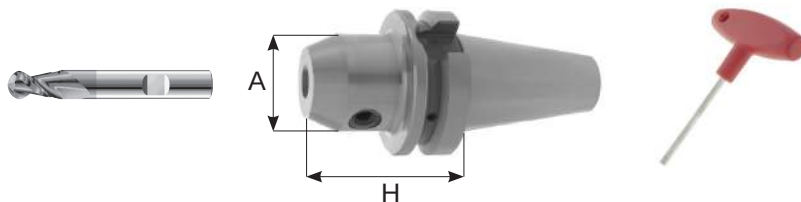
BT40

REFERENCIA	FAM	D	FORMA	H	A
BTB40.H50.WE6 BTB40.H100.WE6 BTB40.H130.WE6 BTB40.H160.WE6	1	6	AD+B	50 100 130 160	25
BTB40.H50.WE8 BTB40.H100.WE8 BTB40.H130.WE8 BTB40.H160.WE8	1	8	AD+B	50 100 130 160	28
BTB40.H63.WE10 BTB40.H100.WE10 BTB40.H130.WE10 BTB40.H160.WE10	1	10	AD+B	63 100 130 160	35



MAS/403BT

Porta fresas weldon DIN 1835-B
End mill holders for DIN 1835-B



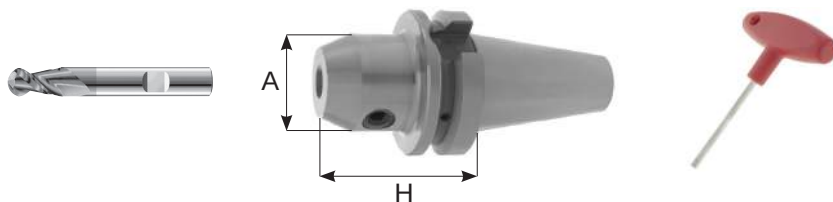
BT40

REFERENCIA	FAM	D	FORMA	H	A
BTB40.H63.WE12	1	12	AD+B	63	42
BTB40.H100.WE12				100	
BTB40.H130.WE12				130	
BTB40.H160.WE12				160	
BTB40.H63.WE14	1	14	AD+B	63	44
BTB40.H100.WE14				100	
BTB40.H130.WE14				130	
BTB40.H160.WE14				160	
BTB40.H63.WE16	1	16	AD+B	63	48
BTB40.H100.WE16				100	
BTB40.H130.WE16				130	
BTB40.H160.WE16				160	
BTB40.H200.WE16	2			200	
BTB40.H63.WE18	1	18	AD+B	63	50
BTB40.H100.WE18				100	
BTB40.H130.WE18				130	
BTB40.H160.WE18				160	
BTB40.H200.WE18	2			200	
BTB40.H63.WE20	1	20	AD+B	63	52
BTB40.H100.WE20				100	
BTB40.H130.WE20				130	
BTB40.H160.WE20				160	
BTB40.H200.WE20	2			200	
BTB40.H90.WE25	1	25	AD+B	90	65
BTB40.H130.WE25				130	
BTB40.H160.WE25				160	
BTB40.H200.WE25				200	
BTB40.H100.WE32	1	32	AD+B	100	72
BTB40.H130.WE32				130	
BTB40.H160.WE32				160	
BTB40.H200.WE32				200	
BTB40.H120.WE40	1	40	AD+B	120	80



MAS/403BT

Porta fresas weldon DIN 1835-B
End mill holders for DIN 1835-B



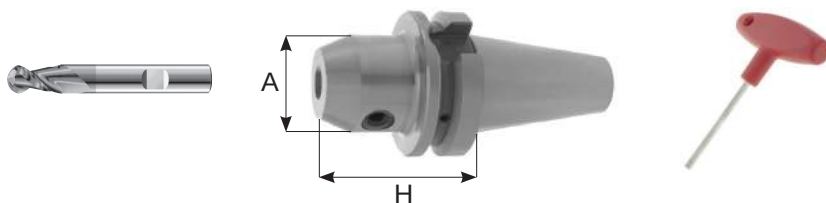
BT50

REFERENCIA	FAM	D	FORMA	H	A
BTB50.H63.WE6	1	6	AD+B	63	25
BTB50.H100.WE6				100	
BTB50.H130.WE6				130	
BTB50.H160.WE6				160	
BTB50.H200.WE6				200	
BTB50.H63.WE8	1	8	AD+B	63	28
BTB50.H100.WE8				100	
BTB50.H130.WE8				130	
BTB50.H160.WE8				160	
BTB50.H200.WE8				200	
BTB50.H63.WE10	1	10	AD+B	63	35
BTB50.H100.WE10				100	
BTB50.H130.WE10				130	
BTB50.H160.WE10				160	
BTB50.H200.WE10				200	
BTB50.H80.WE12	1	12	AD+B	80	42
BTB50.H100.WE12				100	
BTB50.H130.WE12				130	
BTB50.H160.WE12				160	
BTB50.H200.WE12				200	
BTB50.H80.WE14	1	14	AD+B	80	44
BTB50.H100.WE14				100	
BTB50.H130.WE14				130	
BTB50.H160.WE14				160	
BTB50.H200.WE14				200	
BTB50.H80.WE16	1	16	AD+B	80	48
BTB50.H100.WE16				100	
BTB50.H130.WE16				130	
BTB50.H160.WE16				160	
BTB50.H200.WE16				200	



MAS/403BT

Porta fresas weldon DIN 1835-B
End mill holders for DIN 1835-B



BT50

REFERENCIA	FAM	D	FORMA	H	A
BTB50.H80.WE18	1	18	AD+B	80	50
BTB50.H100.WE18				100	
BTB50.H130.WE18				130	
BTB50.H160.WE18				160	
BTB50.H200.WE18				200	
BTB50.H80.WE20	1	20	AD+B	80	52
BTB50.H100.WE20				100	
BTB50.H130.WE20				130	
BTB50.H160.WE20				160	
BTB50.H200.WE20				200	
BTB50.H100.WE25	1	25	AD+B	100	65
BTB50.H130.WE25				130	
BTB50.H160.WE25				160	
BTB50.H200.WE25				200	
BT50.H250.WE25			AD	250	
BTB50.H105.WE32	1	32	AD+B	105	72
BTB50.H130.WE32				130	
BTB50.H160.WE32				160	
BTB50.H200.WE32				200	
BT50.H250.WE32			AD	250	
BTB50.H105.WE40	1	40	AD+B	105	80
BTB50.H160.WE40				160	
BTB50.H200.WE40				200	
BTB50.H125.WE50	1	50	AD+B	125	100

Forma
AD+B = BTB

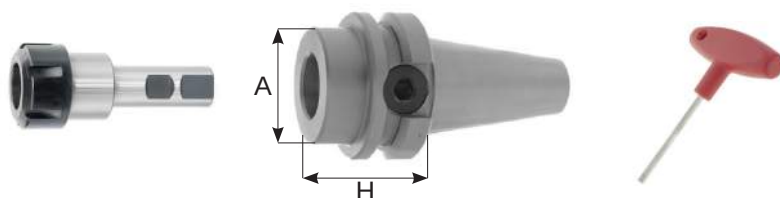


Forma
AD = BT



MAS/403BT

Porta fresas weldon extra corto DIN 1835-B
Short type end mill holders for DIN 1835-B shanks



BT30

REFERENCIA	FAM	D	FORMA	H	A
BT30.H32.WE6	1	6	AD	32	25
BT30.H32.WE8		8		32	28
BT30.H32.WE10		10		32	35
BT30.H32.WE12		12		32	42
BT30.H35.WE16		16		35	48
BT30.H35.WE20		20		35	52

BT40

REFERENCIA	FAM	D	FORMA	H	A
BTB40.H35.WE12	2	12	AD+B	35	44
BTB40.H35.WE14	2	14		35	44
BTB40.H35.WE16	1	16		35	44
BTB40.H35.WE18	2	18		35	44
BTB40.H35.WE20	1	20		35	44
BTB40.H35.WE25		25		35	44
BTB40.H60.WE25		25		60	49
BTB40.H40.WE32		32		40	44
BTB40.H70.WE32		32		70	72

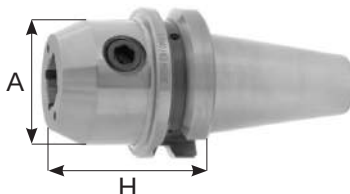
BT50

REFERENCIA	FAM	D	FORMA	H	A
BTB50.H44.WE16	1	16	AD+B	44	70
BTB50.H44.WE18	2	18		44	70
BTB50.H44.WE20	1	20		44	70
BTB50.H44.WE25		25		44	70
BTB50.H44.WE32		32		44	70
BTB50.H44.WE40		40		44	70



MAS/403BT

Porta fresas weldon con Canal de Refrigeración
End mill holders with coolant channels

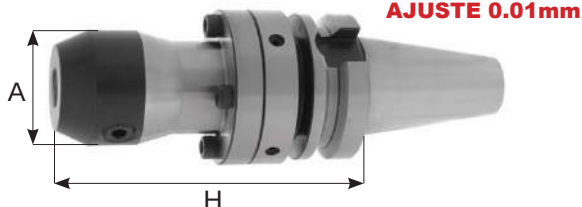


BT40

REFERENCIA	FAM	D	FORMA	H	
BTB40.H50.WE6C	1	6	AD+B	50	25
BTB40.H50.WE8C		8		50	28
BTB40.H63.WE10C		10		63	35
BTB40.H63.WE12C		12		63	42
BTB40.H63.WE14C		14		63	44
BTB40.H63.WE16C		16		63	48
BTB40.H63.WE18C		18		63	50
BTB40.H63.WE20C		20		63	52
BTB40.H90.WE25C		25		90	65
BTB40.H100.WE32C		32		100	72
BTB40.H120.WE40C		40		120	80

MAS/403BT

Porta fresas weldon Regulación Radial
Radial adjustable en mill holders

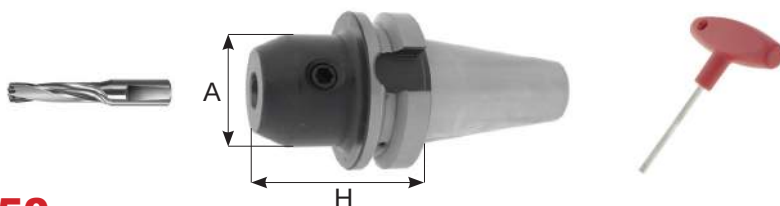


BT40 / BT50

REFERENCIA	FAM	D	FORMA	H	A
BTB40.H97.WE6RG	1	6	AD+B	97	25
BTB40.H97.WE8RG		8		97	28
BTB40.H97.WE10RG		10		97	35
BTB40.H107.WE12RG		12		107	40
BTB40.H107.WE14RG		14		107	40
BTB40.H128.WE16RG		16		128	48
BTB40.H128.WE18RG		18		128	48
BTB40.H133.WE20RG		20		133	52
BTB50.H112.WE12RG	1	12	AD+B	112	40
BTB50.H112.WE14RG		14		112	40
BTB50.H133.WE16RG		16		133	48
BTB50.H133.WE18RG		18		133	48
BTB50.H138.WE20RG		20		138	52

MAS/403BT

Porta fresas weldon Whistle-Notch
Whistle-Notch end mill holders

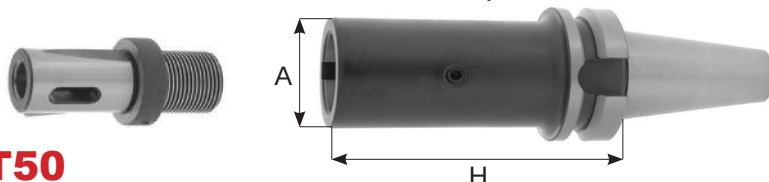


BT40 / BT50

REFERENCIA	FAM	D	FORMA	H	A
BTB40.H50.WHN6	1	6	AD+B	50	25
BTB40.H50.WHN8		8		50	28
BTB40.H63.WHN10		10		63	35
BTB40.H63.WHN12		12		63	42
BTB40.H63.WHN14		14		63	44
BTB40.H63.WHN16		16		63	48
BTB40.H63.WHN18		18		63	50
BTB40.H63.WHN20		20		63	52
BTB40.H90.WHN25		25		90	65
BTB40.H100.WHN32		32		100	72
BT50.H63.WHN6	1	6	AD	63	25
BT50.H63.WHN8		8		63	28
BT50.H63.WHN10		10		63	35
BT50.H80.WHN12		12		80	42
BT50.H80.WHN14		14		80	44
BT50.H80.WHN16		16		80	48
BT50.H80.WHN18		18		80	50
BT50.H80.WHN20		20		80	52
BT50.H100.WHN25		25		100	65
BT50.H105.WHN32		32		105	72
BT50.H105.WHN40		40		105	80

MAS/403BT

Porta herramientas para mango Roscado DIN/6327
Automotive shank adapters DIN/6327

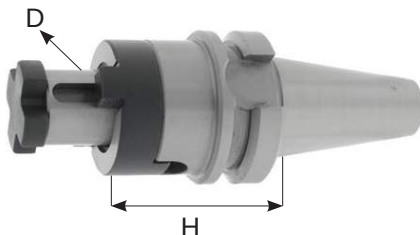


BT40 / BT50

REFERENCIA	FAM	TR	H	A
BT40.H70.TR28	2	28	70	40
BT40.H120.TR36		36	120	50
BT50.H100.TR28	1	28	100	40
BT50.H100.TR36		36	100	50
BT50.H105.TR48		48	105	67

MAS/403BT

Porta Fresas Combinado
Combi shell end mill holders



BT30

REFERENCIA	FAM	D	FORMA	H
BT30.H50.D13C	1	13	AD	50
BT30.H43.D16C		16		43
BT30.H50.D22C		22		50
BT30.H50.D27C		27		50
BT30.H57.D32C		32		57

BT40

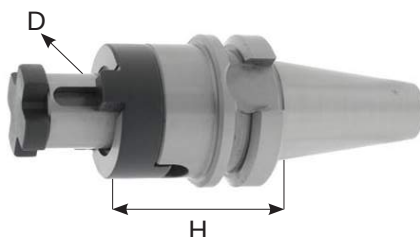
REFERENCIA	FAM	D	FORMA	H
BT40.H100.D13C	1	13	AD	100
BT40.H55.D16C	1	16	AD	55
BT40.H100.D16C				100
BT40.H130.D16C				130
BT40.H160.D16C				160
BT40.H55.D22C	1	22	AD	55
BT40.H100.D22C				100
BT40.H130.D22C				130
BT40.H160.D22C				160
BT40.H55.D27C	1	27	AD	55
BT40.H100.D27C				100
BT40.H130.D27C				130
BT40.H160.D27C				160
BT40.H60.D32C	1	32	AD	60
BT40.H100.D32C				100
BT40.H130.D32C				130
BT40.H160.D32C				160
BT40.H60.D40C	1	40	AD	60
BT40.H100.D40C				100
BT40.H130.D40C				130
BT40.H160.D40C				160



MAS/403BT



Porta Fresas Combinado
Combi shell end mill holders



BT50

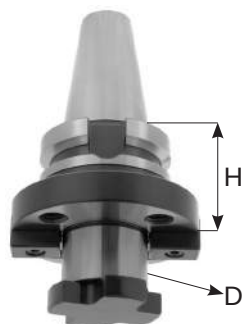
REFERENCIA	FAM	D	FORMA	H
BT50.H70.D16C	1	16	AD	70
BT50.H100.D16C				100
BT50.H130.D16C				130
BT50.H70.D22C	1	22	AD	70
BT50.H100.D22C				100
BT50.H130.D22C				130
BT50.H160.D22C				160
BT50.H70.D27C	1	27	AD	70
BT50.H100.D27C				100
BT50.H130.D27C				130
BT50.H160.D27C				160
BT50.H70.D32C	1	32	AD	70
BT50.H100.D32C				100
BT50.H130.D32C				130
BT50.H160.D32C				160
BT50.H70.D40C	1	40	AD	70
BT50.H100.D40C				100
BT50.H130.D40C				130
BT50.H160.D40C				160

MAS/403BT

Porta Fresas Fijo Gran diámetro
Face mill holders

BT40 / BT50

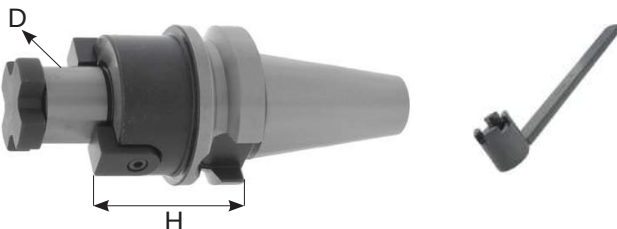
REFERENCIA	FAM	D	FORMA	H
BT40.H50.D40FM	1	40	AD	50
BT50.H70.D40FM	1	40	AD	70
BT50.H80.D60FM	1	60	AD	80
BTB40.H50.D40FM	1	40	AD+B	50
BTB50.H55.D40FM	1	40	AD+B	55
BTB50.H80.D60FM	1	60	AD+B	80



MAS/403BT



Porta Fresas Fijo con canal de lubricación
Shell end mill holders with coolant channels



BT40

REFERENCIA	FAM	D	FORMA	H
BTB40.H35.D16SP	1	16	AD+B	35
BTB40.H45.D16S				45
BTB40.H100.D16S				100
BTB40.H130.D16S				130
BTB40.H160.D16S				160
BTB40.H200.D16S				200
BTB40.H35.D22SP	1	22	AD+B	35
BTB40.H45.D22S				45
BTB40.H100.D22S				100
BTB40.H130.D22S				130
BTB40.H160.D22S				160
BTB40.H200.D22S				200
BTB40.H35.D27SP	1	27	AD+B	35
BTB40.H45.D27S				45
BTB40.H100.D27S				100
BTB40.H130.D27S				130
BTB40.H160.D27S				160
BTB40.H200.D27S				200
BTB40.H50.D32SP	1	32	AD+B	50
BTB40.H56.D32S				56
BTB40.H100.D32S				100
BTB40.H130.D32S				130
BTB40.H160.D32S				160
BTB40.H200.D32S				200
BTB40.H50.D40SPFM *	1	40	AD+B	50
BTB40.H60.D40S				60
BTB40.H100.D40S				100
BTB40.H130.D40S				130
BTB40.H160.D40S				160
BTB40.H200.D40S				200

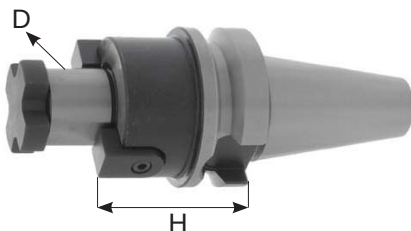
* Con cuatro taladros adicionales según norma DIN/2079



MAS/403BT



Porta Fresas Fijo con canal de lubricación
Shell end mill holders with coolant channels



BT50

REFERENCIA	FAM	D	FORMA	H
BTB50.H50.D16SP	1	16	AD+B	50
BTB50.H75.D16S				75
BTB50.H100.D16S				100
BTB50.H130.D16S				130
BTB50.H160.D16S				160
BTB50.H200.D16S				200
BTB50.H250.D16S				250
BTB50.H300.D16S				300
BTB50.H350.D16S				350
BTB50.H55.D22SP	1	22	AD+B	55
BTB50.H75.D22S				75
BTB50.H100.D22S				100
BTB50.H130.D22S				130
BTB50.H160.D22S				160
BTB50.H200.D22S				200
BTB50.H250.D22S				250
BTB50.H300.D22S				300
BTB50.H350.D22S				350
BTB50.H55.D27SP	1	27	AD+B	55
BTB50.H75.D27S				75
BTB50.H100.D27S				100
BTB50.H130.D27S				130
BTB50.H160.D27S				160
BTB50.H200.D27S				200
BTB50.H250.D27S				250
BTB50.H300.D27S				300
BTB50.H350.D27S				350
BTB50.H55.D32SP	1	32	AD+B	55
BTB50.H75.D32S				75
BTB50.H100.D32S				100
BTB50.H130.D32S				130
BTB50.H160.D32S				160
BTB50.H200.D32S				200
BTB50.H250.D32S				250
BTB50.H300.D32S				300
BTB50.H350.D32S				350



MAS/403BT



Porta Fresas Fijo con canal de lubricación
Shell end mill holders with coolant channels



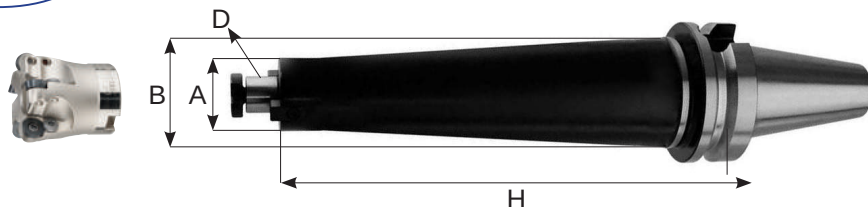
BT50

REFERENCIA	FAM	D	FORMA	H
BTB50.H55.D40SP	1	40	AD+B	55
BTB50.H75.D40S				75
BTB50.H100.D40S				100
BTB50.H130.D40S				130
BTB50.H160.D40S				160
BTB50.H200.D40S				200



MAS/403BT

Porta fresas Fijo Antivibratorio conicidad DIN/138
Antivibratory shell mill adaptors DIN/138



BT40

ANTIVIBRATORIO

REFERENCIA	FAM	D	FORMA	H	A	B
BT40.H150.D16AV	13	16	AD	150	38	50
BT40.H200.D16AV				200		
BT40.H250.D16AV				250		
BT40.H300.D16AV				300		
BT40.H150.D22AV	13	22	AD	150	44	50
BT40.H200.D22AV				200		
BT40.H250.D22AV				250		
BT40.H300.D22AV				300		

BT50

REFERENCIA		D	FORMA	H	A	B
BT50.H150.D16AV	13	16	AD	150	38	80
BT50.H200.D16AV				200		
BT50.H250.D16AV				250		
BT50.H300.D16AV				300		
BT50.H400.D16AV				400		
BT50.H200.D22AV	13	22	AD	200	48	80
BT50.H250.D22AV				250		
BT50.H300.D22AV				300		
BT50.H400.D22AV				400		
BT50.H500.D22AV				500		
BT50.H200.D27AV	13	27	AD	200	60	80
BT50.H250.D27AV				250		
BT50.H300.D27AV				300		
BT50.H400.D27AV				400		
BT50.H500.D27AV				500		

Especial para moldistas y troquelistas, reduce las vibraciones en un 60% comparandolo con un porta standard.

Special for mould and die makers, vibration reduced up to 60% compared to any other conventional shell mill adaptor.

MAS/403BT

Porta fresas Fijo Antivibratorio DIN/138
Antivibratory shell mill adaptors DIN/138



BT40

ANTIVIBRATORIO

REFERENCIA	FAM	D	H	A
BT40.H150.D16AV-38	13	16	150	38
BT40.H200.D16AV-38			200	
BT40.H250.D16AV-38			250	
BT40.H300.D16AV-38			300	
BT40.H150.D22AV-48	13	22	150	48
BT40.H200.D22AV-48			200	
BT40.H250.D22AV-48			250	
BT40.H300.D22AV-48			300	
BT40.H150.D27AV-54	13	27	150	54
BT40.H200.D27AV-54			200	
BT40.H250.D27AV-54			250	
BT40.H300.D27AV-54			300	

BT50

REFERENCIA	FAM	D	H	A
BT50.H150.D16AV-38	13	16	150	38
BT50.H200.D16AV-38			200	
BT50.H250.D16AV-38			250	
BT50.H300.D16AV-38			300	
BT50.H400.D16AV-38			400	
BT50.H200.D22AV-48	13	22	200	48
BT50.H250.D22AV-48			250	
BT50.H300.D22AV-48			300	
BT50.H400.D22AV-48			400	
BT50.H500.D22AV-48			500	
BT50.H200.D22AV-60	13	22	200	60
BT50.H250.D22AV-60			250	
BT50.H300.D22AV-60			300	
BT50.H400.D22AV-60			400	
BT50.H500.D22AV-60			500	

Especial para moldistas y troquelistas, reduce las vibraciones en un 60% comparandolo con un porta standard.

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MAS/403BT

Porta fresas Fijo Antivibratorio DIN/138
Antivibratory shell mill adaptors DIN/138



BT50

ANTIVIBRATORIO

REFERENCIA	FAM	D	H	A
BT50.H200.D27AV-60	13	27	200	60
BT50.H250.D27AV-60			250	
BT50.H300.D27AV-60			300	
BT50.H400.D27AV-60			400	
BT50.H500.D27AV-60			500	
BT50.H200.D32AV-76	13	32	200	76
BT50.H250.D32AV-76			250	
BT50.H300.D32AV-76			300	
BT50.H400.D32AV-76			400	
BT50.H500.D32AV-76			500	

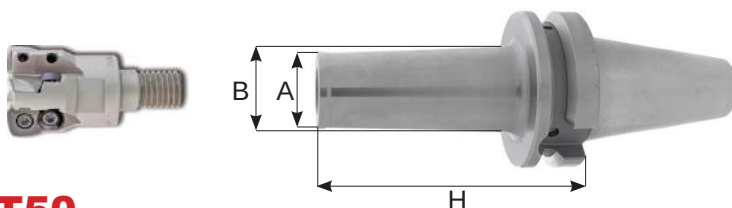
Especial para moldistas y troquelistas, reduce las vibraciones en un 60% comparandolo con un porta standard.

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MAS/403BT

Porta herramientas para fresa roscada
Tool holder for screwed milling cutters



BT40 / BT50

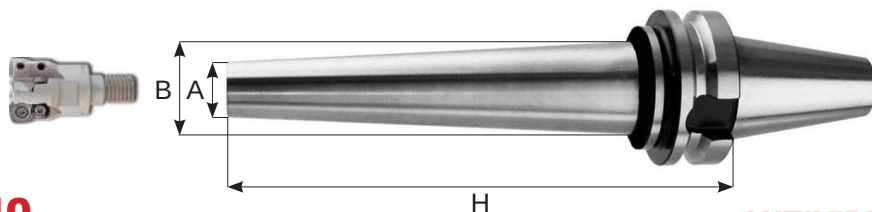
REFERENCIA	FAM	M	FORMA	H	A	B	* Nm
BTB40.H63.M8CPY	1	M8	AD+B	63	13	15	25
BTB40.H83.M8CPY				83		23	
BTB40.H103.M8CPY				103		23	
BTB40.H123.M8CPY				123		25	
BTB40.H63.M10CPY	1	M10	AD+B	63	18	20	40
BTB40.H83.M10CPY				83		23	
BTB40.H103.M10CPY				103		28	
BTB40.H123.M10CPY				123		32	
BTB40.H63.M12CPY	1	M12	AD+B	63	21	24	60
BTB40.H83.M12CPY				83		24	
BTB40.H103.M12CPY				103		31	
BTB40.H123.M12CPY				123		33	
BTB40.H63.M16CPY	1	M16	AD+B	63	29	32	80
BTB40.H83.M16CPY				83		34	
BTB40.H103.M16CPY				103		34	
BTB40.H123.M16CPY				123		36	
BTB40.H153.M16CPY				153		40	
BTB50.H88.M12CPY	2	M12	AD+B	88	21	24	60
BTB50.H138.M12CPY				138		33	
BTB50.H188.M12CPY				188		40	
BTB50.H88.M16CPY	2	M16	AD+B	88	29	34	80
BTB50.H138.M16CPY				138		36	
BTB50.H188.M16CPY				188		42.5	

* Nm = Fuerza de Apriete Aconsejada / Recommended Tightening Torque



MAS/403BT

Porta herramientas para fresa roscada Antivibratorio
Antivibratory for frontal end mills support screwed shanks



BT40

ANTIVIBRATORIO

REFERENCIA	FAM	M	FORMA	H	A	B
BT40.H200.M10AV	13	M10	AD	200	18	35
BT40.H250.M10AV				250		40
BT40.H300.M10AV				300		45
BT40.H200.M12AV	13	M12	AD	200	21	38
BT40.H250.M12AV				250		43
BT40.H300.M12AV				300		44
BT40.H200.M16AV	13	M16	AD	200	29	43
BT40.H250.M16AV				250		44
BT40.H300.M16AV				300		47

BT50

REFERENCIA	FAM	M	FORMA	H	A	B
BT50.H250.M12AV	13	M12	AD	250	21	42
BT50.H300.M12AV				300		47
BT50.H400.M12AV				400		57
BT50.H250.M16AV	13	M16	AD	250	29	50
BT50.H300.M16AV				300		55
BT50.H400.M16AV				400		65
BT50.H500.M16AV				500		76

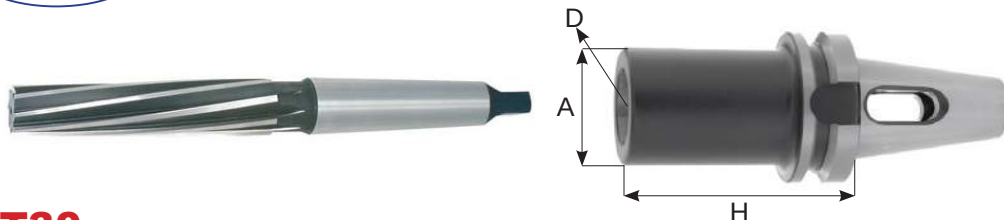
Especial para moldistas y troquelistas, reduce las vibraciones en un 60% comparandolo con un porta standard.

Special for mould and die makers, vibration reduced up to 60% compared to any other conventional shell mill adaptor.



MAS/403BT

Reductor Cono morse DIN/228-B
Morse taper adapters DIN/228-B



BT30

REFERENCIA	FAM	D	FORMA	H	A
BT30.H50.CM1P	1	CM1	AD	50	25
BT30.H60.CM2P		CM2		60	32
BT30.H79.CM3P		CM3		79	40

BT40

REFERENCIA	FAM	D	FORMA	H	A
BT40.H50.CM1P	1	CM1	AD	50	25
BT40.H50.CM2P		CM2		50	32
BT40.H70.CM3P		CM3		70	40
BT40.H95.CM4P		CM4		95	48

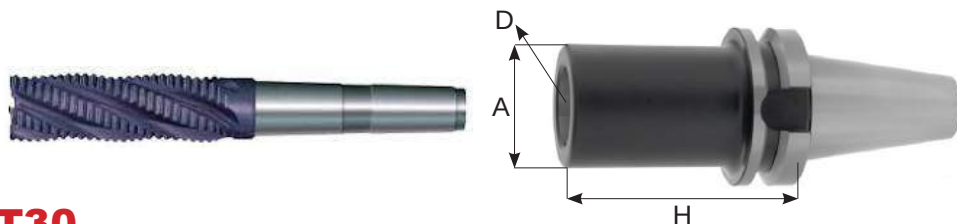
BT50

REFERENCIA	FAM	D	FORMA	H	A
BT50.H45.CM1P	1	CM1	AD	45	25
BT50.H120.CM1P		CM1		120	25
BT50.H60.CM2P		CM2		60	32
BT50.H135.CM2P		CM2		135	32
BT50.H65.CM3P		CM3		65	40
BT50.H155.CM3P		CM3		155	40
BT50.H95.CM4P		CM4		95	48
BT50.H180.CM4P		CM4		180	48
BT50.H105.CM5P		CM5		105	63
BT50.H215.CM5P		CM5		215	63

BT40 / BT50

REFERENCIA	FAM	D	FORMA	H	A
BTB40.H50.CM2P	1	CM2	AD+B	50	32
BTB40.H70.CM3P		CM3		70	40
BTB40.H95.CM4P		CM4		95	48
BTB50.H60.CM2P	1	CM2	AD+B	60	32
BTB50.H65.CM3P		CM3		65	40
BTB50.H95.CM4P		CM4		95	48
BTB50.H105.CM5P		CM5		105	63

Reductor Cono morse DIN/228-A con tornillo tirante
Reducing adaptors morse taper shank and drawbar thread DIN/228-A



BT30

REFERENCIA	FAM	D	FORMA	H	A
BT30.H50.CM1FV	2	CM1	AD	50	25
BT30.H60.CM2FV		CM2		60	32
BT30.H80.CM3FV		CM3		80	40

BT40

REFERENCIA	FAM	D	FORMA	H	A
BT40.H50.CM1F	1	CM1	AD	50	25
BT40.H50.CM2F		CM2		50	32
BT40.H70.CM3F		CM3		70	40
BT40.H95.CM4F		CM4		95	48

BT50

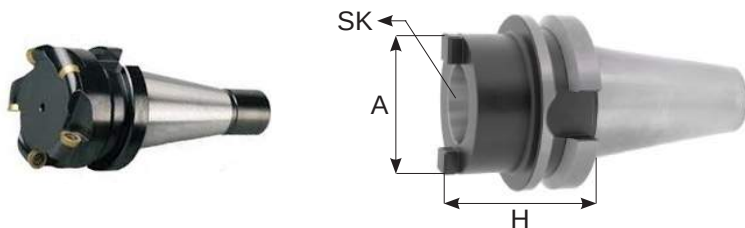
REFERENCIA	FAM	D	FORMA	H	A
BT50.H45.CM1FV	1	CM1	AD	45	25
BT50.H60.CM2FV		CM2		60	32
BT50.H65.CM3FV		CM3		65	40
BT50.H90.CM4FV		CM4		95	48
BT50.H120.CM5FV	2	CM5		120	63

BT40 / BT50

REFERENCIA	FAM	D	FORMA	H	A
BTB40.H50.CM2FV	1	CM2	AD+B	50	32
BTB40.H70.CM3FV		CM3		70	40
BTB40.H95.CM4FV		CM4		95	48
BTB50.H60.CM2FV	1	CM2	AD+B	60	32
BTB50.H65.CM3FV		CM3		65	40
BTB50.H95.CM4FV		CM4		95	48
BTB50.H100.CM5FV		CM5		100	63

MAS/403BT

Reductor BT a ISO DIN/2080 - DIN/69871- BT
Reducing adaptors BT a ISO DIN/2080 - DIN/698871 - BT



BT40

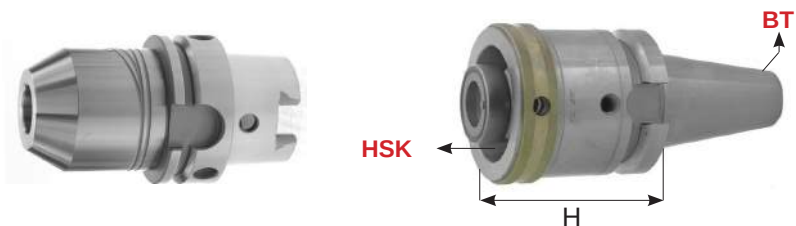
REFERENCIA	FAM	ISO	FORMA	H	A
BT40.H60.SK30	1	SK30	AD	60	50
BT40.H100.SK40		SK40		100	68

BT50

REFERENCIA	FAM	ISO	FORMA	H	A
BT50.H70.SK40	1	SK40	AD	70	68
BT50.H120.SK50		SK50		120	100

MAS/403BT

Cono reductor de BT a HSK - A/C
Adapters from BT shank to HSK - A/C

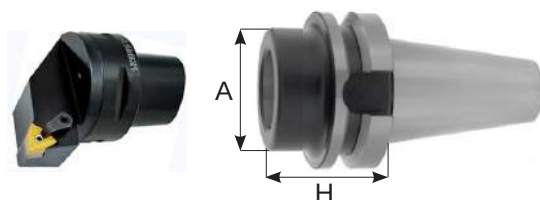


BT30 / BT40 / BT50

REFERENCIA	FAM	CONO	FORMA	REDUCTOR	H
BTB30.H50.HSK32AC	4	BT30	AD+B	HSK32A/C	50
BTB30.H90.HSK40AC				HSK40A/C	90
BTB40.H70.HSK32AC	4	BT40	AD+B	HSK32A/C	70
BTB40.H80.HSK40AC				HSK40A/C	80
BTB40.H80.HSK50AC				HSK50A/C	80
BTB40.H90.HSK63AC				HSK63A/C	90
BTB40.H100.HSK80AC				HSK80A/C	100
BTB50.H70.HSK32AC	4	BT50	AD+B	HSK32A/C	70
BTB50.H70.HSK40AC				HSK40A/C	70
BTB50.H80.HSK50AC				HSK50A/C	80
BTB50.H100.HSK63AC				HSK63A/C	100
BTB50.H110.HSK80AC				HSK80A/C	110
BTB50.H120.HSK100AC				HSK100A/C	120
BTB50.H140.HSK125AC				HSK125A/C	140

MAS/403BT

Cono Reductor de BT a PSC - ECA ISO 26623-1
Adapters from BT shank to PSC - ECA ISO 26623-1



PSC-ECA ISO 26623-1

BT-C3

REFERENCIA	FAM	CONO	REDUCTOR	FORMA	H	A
BTB30.H30.C3	13	BT30	PSC-C3	AD+B	30	32
BTB30.H60.C3		BT30	PSC-C3		60	32
BTB40.H30.C3		BT40	PSC-C3		30	32
BTB40.H60.C3		BT40	PSC-C3		60	32
BTB50.H40.C3		BT50	PSC-C3		40	32
BTB50.H70.C3		BT50	PSC-C3		70	32

BT-C4

REFERENCIA	FAM	CONO	REDUCTOR	FORMA	H	A
BTB40.H30.C4	13	BT40	PSC-C4	AD+B	30	40
BTB40.H60.C4		BT40	PSC-C4		60	40
BTB50.H40.C4		BT50	PSC-C4		40	40
BTB50.H70.C4		BT50	PSC-C4		70	40

BT-C5

REFERENCIA	FAM	CONO	REDUCTOR	FORMA	H	A
BTB40.H30.C5	13	BT40	PSC-C5	AD+B	30	50
BTB40.H70.C5		BT40	PSC-C5		70	50
BTB50.H40.C5		BT50	PSC-C5		40	50
BTB50.H80.C5		BT50	PSC-C5		80	50

BT-C6

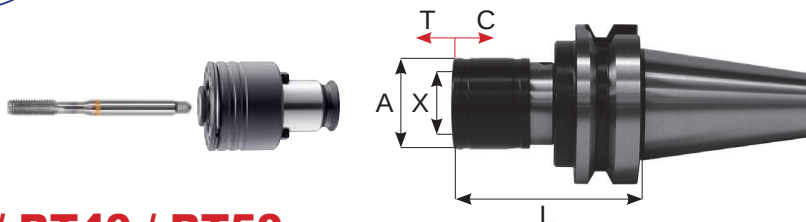
REFERENCIA	FAM	CONO	REDUCTOR	FORMA	H	A
BTB40.H75.C6	13	BT40	PSC-C6	AD+B	75	63
BTB50.H40.C6		BT50	PSC-C6		40	63
BTB50.H90.C6		BT50	PSC-C6		90	63

BT-C8

REFERENCIA	FAM	CONO	REDUCTOR	FORMA	H	A
BTB50.H70.C8	13	BT50	PSC-C8	AD+B	70	80
BTB50.H120.C8		BT50	PSC-C8		120	80

MAS/403BT

Roscador con compresión y tracción
Tension and compression tap holders



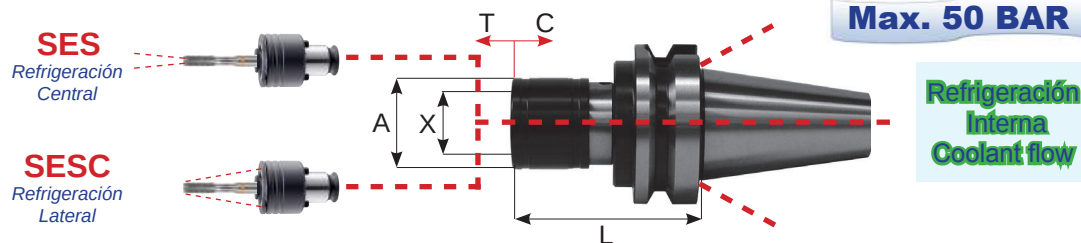
BT30 / BT40 / BT50

REFERENCIA	CAP	X	A	L	C	T
BT30-THTC0-L104	M 1 ÷ M10	13	26	104	6.5	6.5
BT40-THTC0-L94				94		
BT50-THTC0-L104				104		
BT30-THTC1-L106	M 3 ÷ M12	19	36	106	7.5	7.5
BT40-THTC1-L67				67		
BT50-THTC1-L83				83		
BT40-THTC2-L94	M 8 ÷ M20	31	53	94	12.5	12.5
BT50-THTC2-L107				107		
BT40-THTC3-L189	M14 ÷ M33	48	78	189	20	20
BT50-THTC3-L168				168		
BT40-THTC4-L205	M22 ÷ M48	60	96	205	22.5	22.5
BT50-THTC4-L184				184		

BT45 (Sobre Pedido)

MAS/403BT

Roscador con compresión y tracción con paso refrigerante
Tension and compression tap holders with coolant thru

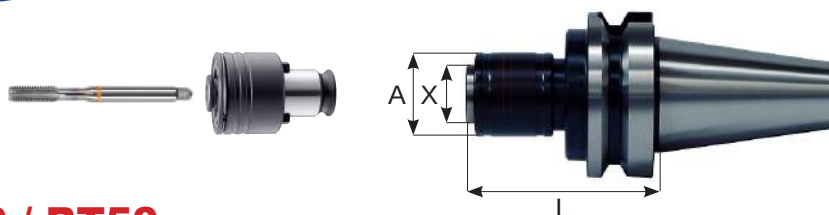


BT40 / BT50

REFERENCIA	CAP	X	A	L	C	T
BT40-THTC1-L101C	M 3 ÷ M12	19	40	94	3	7
BT50-THTC1-L110C				104		
BT40-THTC2-L137C	M 8 ÷ M20	31	53	94	5	10
BT50-THTC2-L146C				107		
BT40-THTC3-L232C	M14 ÷ M33	48	78	189	13	18
BT50-THTC3-L211C				168		

MAS/403BT

Roscador Fijo
Rigid tap holders



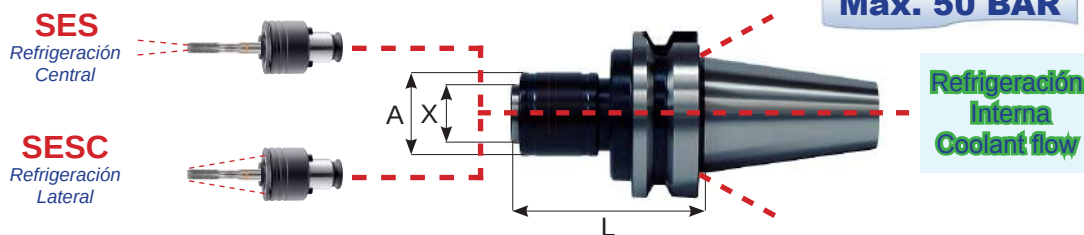
BT40 / BT50

REFERENCIA	CAP	X	A	L
BT40-TLR1-L72	M 3 ÷ M12	19	32	72
BT50-TLR1-L81				81
BT40-TLR2-L91	M 8 ÷ M20	31	50	91
BT50-TLR2-L100				100
BT40-TLR3-L118	M14 ÷ M33	48	72	118
BT50-TLR3-L127				127
BT50-TLR4-L150	M22 ÷ M48	60	95	150

MAS/403BT

Roscador Fijo con paso refrigerante
Rigid tap holders with through coolant

Max. 50 BAR



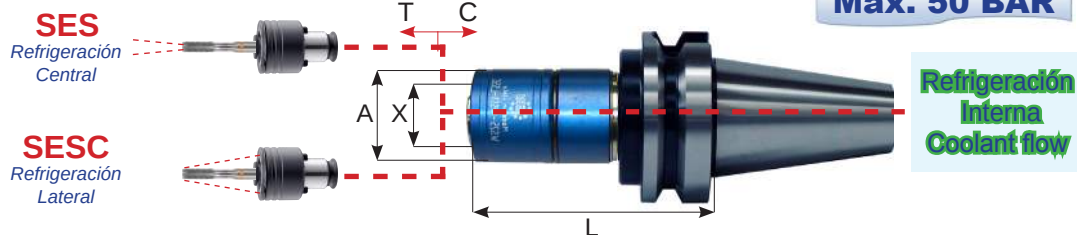
BT40 / BT50

REFERENCIA	CAP	X	A	L
BT40-TLR1-L73C	M 3 ÷ M12	19	32	73
BT50-TLR1-L82C				82
BT40-TLR2-L89C	M 8 ÷ M20	31	50	89
BT50-TLR2-L98C				98
BT40-TLR3-L148C	M14 ÷ M33	48	72	148
BT50-TLR3-L127C				127

MAS/403BT

Roscador Synchro / compresión y tracción paso refrigerante
Synchro - Tension / Compression Tap Holders coolant thru

Max. 50 BAR

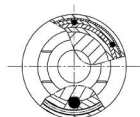


BT40

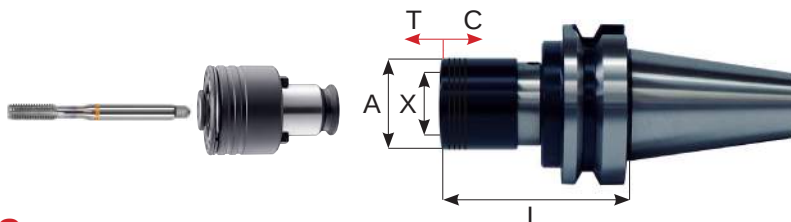
REFERENCIA	CAP	X	A	L	C	T
BT40-THSS1-L90C	M3 ÷ M12	19	36	90	0.5	0.5

MAS/403BT

Roscador con compresión y tracción MAS/403BT - 360°
Tension and compression tap holders MAS/403BT - 360°



New Tapping System
360°



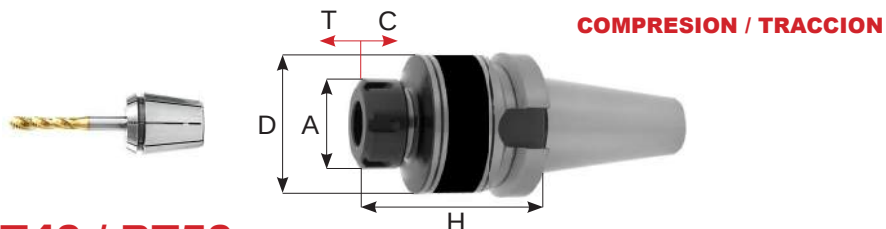
BT40 / BT50

REFERENCIA	CAP	X	A	L	C	T
BT40-GCTC1-L80	M 3 ÷ M12	19	39	80	7.5	7.5
BT50-GCTC1-L89				89		
BT40-GCT1-L72.5	M 3 ÷ M12	19	39	72.5	0	12.5
BT50-GCT1-L81.5				81.5		
BT40-GCTC2-L103	M 8 ÷ M20	31	60	103	10	10
BT50-GCTC2-L112				112		
BT40-GCT2-L93	M 8 ÷ M20	31	60	93	0	16.5
BT50-GCT2-L102				102		
BT50-GCTC3-L143	M14 ÷ M33	48	86	143	17.5	17.5
BT50-GCT3-L125.5	M14 ÷ M33	48	86	125.5	0	35

BT45 (Sobre Pedido)

MAS/403BT

Roscador con compresión y tracción pinza ER
Tension and compression tap holders collet ER

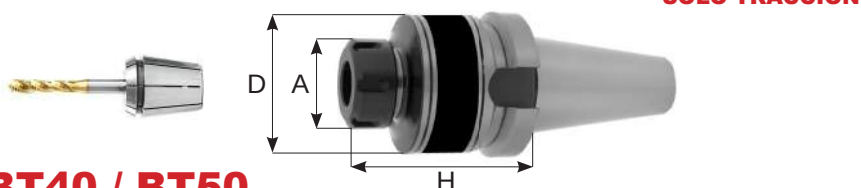


BT30 / BT40 / BT50

REFERENCIA	PINZA	H	A	D	C	T
BT30.H68.ER16CT	ER16	68	32	29	2.5	5.5
BT30.H79.ER20CT	ER20	79	35	44	3	9
BT30.H93.ER25CT	ER25	93	42	44	3	9
BT40.H73.ER16CT	ER16	73	32	29	2.5	5.5
BT40.H84.ER20CT	ER20	84	35	44	3	9
BT40.H93.ER25CT	ER25	93	42	58	3	9
BT40.H95.ER32CT	ER32	95	50	58	4	12
BT50.H83.ER16CT	ER16	83	32	29	2.5	5.5
BT50.H94.ER20CT	ER20	94	35	44	3	9
BT50.H103.ER25CT	ER25	103	42	44	3	9
BT50.H105.ER32CT	ER32	105	50	48	4	12

MAS/403BT

Roscador solo tracción pinza ER
Tension and compression tap holders collet ER



BT30 / BT40 / BT50

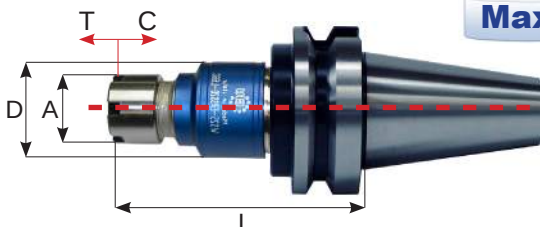
REFERENCIA	PINZA	H	A	D	T
BT30.H68.ER16T	ER16	68	32	29	8
BT30.H76.ER20T	ER20	76	35	44	12
BT30.H90.ER25T	ER25	90	42	44	12
BT40.H73.ER16T	ER16	73	32	29	8
BT40.H81.ER20T	ER20	81	35	44	12
BT40.H89.ER25T	ER25	89	42	58	16
BT40.H91.ER32T	ER32	91	50	58	16
BT50.H83.ER16T	ER16	83	32	29	8
BT50.H91.ER20T	ER20	91	35	44	12
BT50.H99.ER25T	ER25	99	42	58	16
BT50.H101.ER32T	ER32	101	50	48	16

MAS/403BT

Roscador Synchro con compresión y tracción pinza ER
Synchro - Tension / Compression Tap Holders collet ER

Max. 50 BAR

ERXGM
Refrigeración
Central



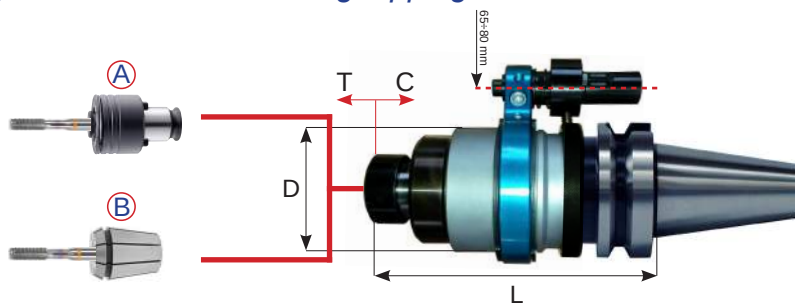
Refrigeración
Interna
Coolant flow

BT40

REFERENCIA	CAP	PINZA	A	D	L	C	T
BT40-ERSS20-L101C	1 ÷ 14	ER20	34	38	101	0.5	0.5

MAS/403BT

Roscador Reversible CNC
Reversing tapping attachment CNC



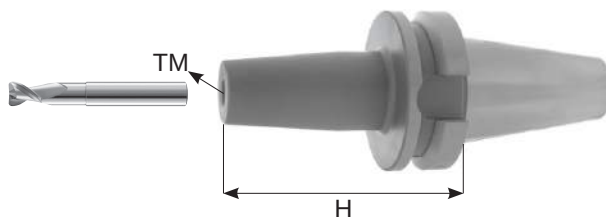
- Roscador autoreversible con mecanismo de engranajes para ciclos rápidos de roscado.
- Bajo desgaste de motor y ahorro de energía gracias al consumo uniforme.
- Compensación longitudinal a la compresión y a la tracción para evitar posibles diferencias de paso.
- Profundidades de rosca controladas.
- Pinza tipo ERXM de alta concentricidad o pinza tipo SES
- Para utilización de máquinas CNC utilizando el ciclo de mandrinado G85 (sin tiempo de reposo)
- Bloqueador de giro ajustable (65mm - 80mm)
- Protegido herméticamente a las impurezas.

BT40 / BT50

REFERENCIA		FAM	CONO	TIPO	CAP	D	L	C	T	Kg	RPM
BT40-NC1-L120	A	22	BT40	SES-1	M 3 ÷ M12	67	155	3.5	4	2.87	2500
BT40-NC2-L125	A			SES-2	M 8 ÷ M20	75	160			3.87	2000
BT50-NC1-L120	A	22	BT50	SES-1	M 3 ÷ M12	67	155	3.5	4	2.87	2500
BT50-NC2-L125	A			SES-2	M 8 ÷ M20	75	160			3.87	2000
BT40-ER20-L120	B	22	BT40	ER20	1 ÷ 14	67	155	3.5	4	2.87	2500
BT40-ER25-L125	B			ER25	1 ÷ 20	75	160			3.87	2000
BT40-ER32-L153	B			ER32	2 ÷ 22	90	218			6.08	1000
BT50-ER20-L120	B	22	BT50	ER20	1 ÷ 14	67	155	3.5	4	2.87	2500
BT50-ER25-L125	B			ER25	1 ÷ 20	75	160			3.87	2000
BT50-ER32-L153	B			ER32	2 ÷ 22	90	218			6.08	1000

MAS/403BT

Porta herramientas Inducción Térmica
Shrink Fit holders



BT30

REFERENCIA	FAM	TM	FORMA	H
BT30.H80.TM3	3	TM3	AD	80
BT30.H80.TM4		TM4	AD	80
BT30.H80.TM5		TM5	AD	80
BT30.H80.TM6		TM6	AD	80
BT30.H80.TM8		TM8	AD	80
BT30.H80.TM10		TM10	AD	80
BT30.H80.TM12		TM12	AD	80
BT30.H80.TM16		TM16	AD	80
BT30.H80.TM20		TM18	AD	80

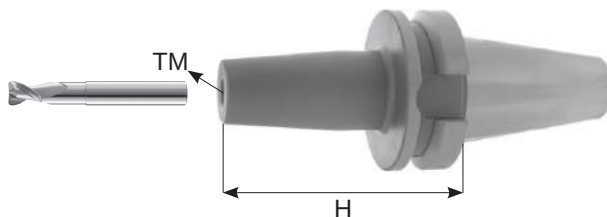
BT40

REFERENCIA	FAM	TM	FORMA	H
BTB40.H90.TM3	1	TM3	AD+B	90
BTB40.H90.TM4		TM4	AD+B	90
BTB40.H90.TM5		TM5	AD+B	90
BTB40.H90.TM6		TM6	AD+B	90
BTB40.H120.TM6		TM6	AD+B	120
BTB40.H160.TM6		TM6	AD+B	160
BTB40.H90.TM8		TM8	AD+B	90
BTB40.H120.TM8		TM8	AD+B	120
BTB40.H160.TM8		TM8	AD+B	160
BTB40.H90.TM10		TM10	AD+B	90
BTB40.H120.TM10		TM10	AD+B	120
BTB40.H160.TM10		TM10	AD+B	160
BTB40.H90.TM12		TM12	AD+B	90
BTB40.H120.TM12		TM12	AD+B	120
BTB40.H160.TM12		TM12	AD+B	160
BTB40.H90.TM14		TM14	AD+B	90
BTB40.H90.TM16		TM16	AD+B	90
BTB40.H120.TM16		TM16	AD+B	120
BTB40.H160.TM16		TM16	AD+B	160
BTB40.H90.TM18		TM18	AD+B	90
BTB40.H90.TM20		TM20	AD+B	90
BTB40.H120.TM20		TM20	AD+B	120
BTB40.H160.TM20		TM20	AD+B	160
BTB40.H100.TM25		TM25	AD+B	100



MAS/403BT

Porta herramientas Inducción Térmica
Shrink Fit holders



BT50

REFERENCIA	FAM	TM	FORMA	H
BT50.H100.TM6	3	TM6	AD	100
BT50.H100.TM8		TM8	AD	100
BT50.H100.TM10		TM10	AD	100
BT50.H100.TM12		TM12	AD	100
BT50.H100.TM14		TM14	AD	100
BT50.H100.TM16		TM16	AD	100
BT50.H100.TM18		TM18	AD	100
BT50.H100.TM20		TM20	AD	100
BT50.H100.TM25		TM25	AD	100
BT50.H100.TM32		TM32	AD	100

MAS/403BT

Barra de Desbaste MAS/403BT
Machinable blank Arbors MAS/BT

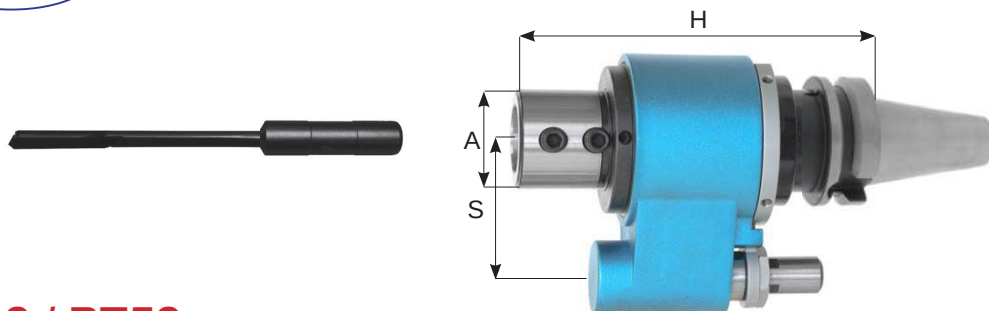


BT30 / BT40 / BT50

REFERENCIA	FAM	D	FORMA	H
BT30.H160.D40BL	4	40	AD	160
BT40.H250.D40BL	1	40	AD	250
BT40.H250.D63BL	1	63	AD	250
BT50.H315.D97BL	1	97	AD	315

MAS/403BT

Distribuidor rotante de refrigeración
Rotary coolant feeder



BT40 / BT50

REFERENCIA	FAM	S	FORMA	H	A
BT40-DR32	1	65	AD	165	49.5
BT50-DR40	1	80	AD	170	56

CARACTERISTICAS

S

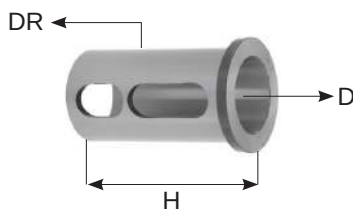
Giro Máximo / Max rpm

3.500

Presión del refrigerante
Coolant Pressure

Max 20 bar
Min 2 bar

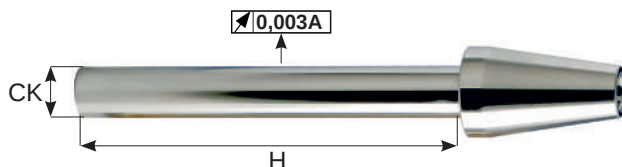
Pinza para Distribuidor rotante de refrigeración
Collet for Rotary coolant feeder



REFERENCIA	FAM	D	DR	H
E2-1.32-16	1	16	32	70
E2-1.32-20		20	32	70
E2-1.32-25		25	32	70
E2-1.40-16	1	16	40	80
E2-1.40-20		20	40	80
E2-1.40-25		25	40	80
E2-1.40.32		32	40	80

MAS/403BT

Barra de control con certificado MAS/403BT
Test arbor with accuracy certificate MAS/403BT

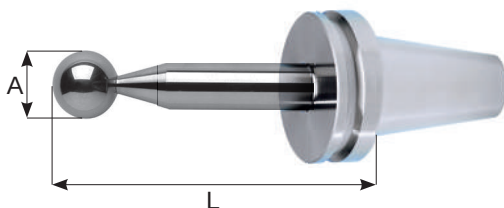


BT30 / BT40 / BT50

REFERENCIA	FAM	CK	FORMA	H
BT30.H200.CK32	1	32	AD	200
BT40.H300.CK40	1	40	AD	300
BT50.H320.CK40	3	40	AD	320
BT50.H300.CK50	1	50	AD	300

MAS/403BT

Mandrino de control para cono ISO 7/24 (5 Ejes)
Runout test arbors for 7/24 taper spindles (5 Axis)



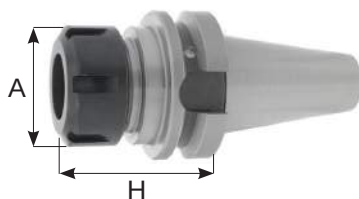
BT40 / BT50

REFERENCIA	FAM	MODELO	NORMA	A	L
BT40.H150.B30	3	BT40	JIS B6339	30	150
BT50.H150.B30		BT50	JIS B6339	30	150



MAS/403BT

Porta pinzas ER tuerca STANDARD Doble Contacto
Collet chucks ER STANDARD nut Dual Drive



**DOBLE
CONTACTO**

SBT30

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
SBT30.H70.ERC16 SBT30.H100.ERC16	18	1 ÷ 10	12.000	AD	70 100	28
SBT30.H70.ERC20 SBT30.H135.ERC20	18	1 ÷ 14	12.000	AD	70 135	34
SBT30.H70.ERC25 SBT30.H135.ERC25	18	1 ÷ 20	12.000	AD	70 135	42
SBT30.H70.ERC32 SBT30.H100.ERC32	18	2 ÷ 22	12.000	AD	70 100	50
SBT30.H80.ERC40	18	3 ÷ 30	12.000	AD	80	63

SBT40

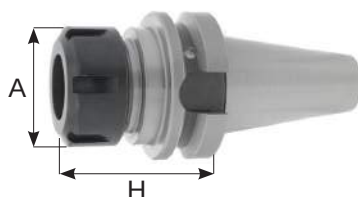
REFERENCIA	FAM	CAP	RPM	FORMA	H	A
SBT40.H70.ERC16 SBT40.H100.ERC16 SBT40.H150.ERC16	18	1 ÷ 10	12.000	AD	70 100 150	28
SBT40.H70.ERC20 SBT40.H100.ERC20 SBT40.H150.ERC20	18	1 ÷ 14	12.000	AD	70 100 150	34
SBT40.H70.ERC25 SBT40.H100.ERC25 SBT40.H150.ERC25	18	1 ÷ 20	12.000	AD	70 100 150	42
SBT40.H70.ERC32 SBT40.H100.ERC32 SBT40.H150.ERC32	18	2 ÷ 22	12.000	AD	70 100 150	50
SBT40.H80.ERC40 SBT40.H100.ERC40 SBT40.H150.ERC40	18	3 ÷ 30	12.000	AD	80 100 150	63
SBT40.H85.ERC50 SBT40.H100.ERC50	18	6 ÷ 34	12.000	AD	85 100	78

Programa: (Sobre pedido)



MAS/403BT

Porta pinzas ER tuerca STANDARD Doble Contacto
Collet chucks ER STANDARD nut Dual Drive



**DOBLE
CONTACTO**

SBT50

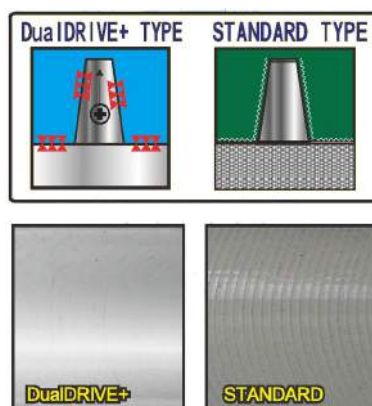
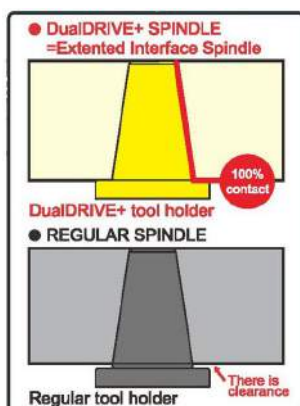
REFERENCIA	FAM	CAP	RPM	FORMA	H	A
SBT50.H70.ERC16	18	1 ÷ 10	12.000	AD	70	28
SBT50.H105.ERC16					105	
SBT50.H150.ERC16					150	
SBT50.H70.ERC20	18	1 ÷ 14	12.000	AD	70	34
SBT50.H100.ERC20					100	
SBT50.H150.ERC20					150	
SBT50.H200.ERC20					200	
SBT50.H70.ERC25	18	1 ÷ 20	12.000	AD	70	42
SBT50.H105.ERC25					105	
SBT50.H165.ERC25					165	
SBT50.H80.ERC32	18	2 ÷ 22	12.000	AD	80	50
SBT50.H100.ERC32					100	
SBT50.H150.ERC32					150	
SBT50.H200.ERC32					200	
SBT50.H80.ERC40	18	3 ÷ 30	12.000	AD	80	63
SBT50.H100.ERC40					100	
SBT50.H135.ERC40					135	
SBT50.H90.ERC50	18	6 ÷ 34	12.000	AD	90	78
SBT50.H120.ERC50					120	
SBT50.H165.ERC50					165	

Programa: (Sobre pedido)

**DOBLE
CONTACTO**

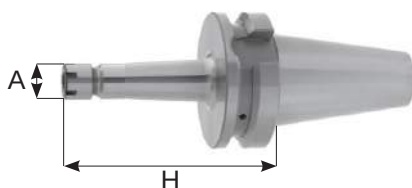


CONO TAPER	FORMA FORM
SBT30	AD
SBT40	AD
SBT50	AD



MAS/403BT

Porta pinzas ER tuerca MINI Doble Contacto
Collet chucks ER MINI nut Dual Drive



**DOBLE
CONTACTO**

SBT30

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
SBT30.H70.ERC11M SBT30.H100.ERC11M	18	1 ÷ 7	12.000	AD	70 100	16
SBT30.H70.ERC16M SBT30.H100.ERC16M	18	1 ÷ 10	12.000	AD	70 100	22
SBT30.H70.ERC20M SBT30.H100.ERC20M SBT30.H150.ERC20M	18	1 ÷ 14	12.000	AD	70 100 150	28

SBT40

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
SBT40.H70.ERC11M SBT40.H100.ERC11M SBT40.H150.ERC11M	18	1 ÷ 7	12.000	AD	70 100 150	16
SBT40.H70.ERC16M SBT40.H100.ERC16M SBT40.H150.ERC16M	18	1 ÷ 10	12.000	AD	70 100 150	22
SBT40.H70.ERC20M SBT40.H100.ERC20M SBT40.H150.ERC20M	18	1 ÷ 14	12.000	AD	70 100 150	28

SBT50

REFERENCIA	FAM	CAP	RPM	FORMA	H	A
SBT50.H70.ERC11M SBT50.H105.ERC11M SBT50.H165.ERC11M	18	1 ÷ 7	12.000	AD	70 105 165	16
SBT50.H70.ERC16M SBT50.H105.ERC16M SBT50.H165.ERC16M	18	1 ÷ 10	12.000	AD	70 105 165	22
SBT50.H90.ERC20M SBT50.H135.ERC20M SBT50.H165.ERC20M	18	1 ÷ 14	12.000	AD	90 135 165	28

Programa: (Sobre pedido)

MAS/403BT

Porta pinzas Gran Apriete Mecánico Doble Contacto
Power milling chucks Dual Drive



**DOBLE
CONTACTO**

SBT30

REFERENCIA	FAM	D	FORMA	H	A
SBT30.H75.MLD20	18	20	AD	75	56.5
SBT30.H90.MLD20				90	

SBT40

REFERENCIA	FAM	D	FORMA	H	A
SBT40.H80.MLD20	18	20	AD	80	56.5
SBT40.H100.MLD20				100	
SBT40.H135.MLD20				135	
SBT40.H95.MLD32	18	32	AD	95	71
SBT40.H105.MLD32				105	
SBT40.H135.MLD32				135	

SBT50

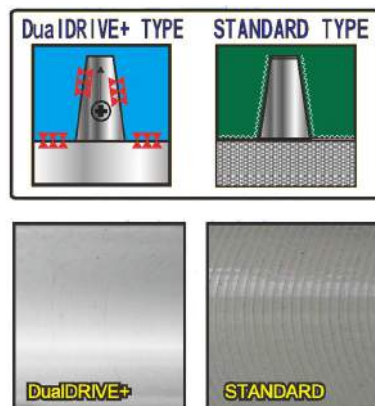
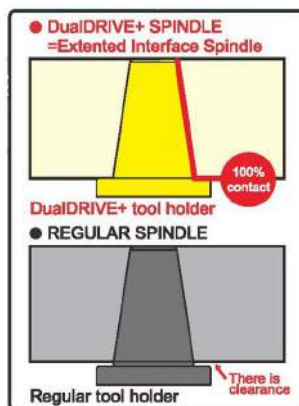
REFERENCIA	FAM	D	FORMA	H	A
SBT50.H105.MLD20	18	20	AD	105	56.5
SBT50.H150.MLD20				150	
SBT50.H135.MLD32	18	32	AD	135	71
SBT50.H165.MLD32				165	

Programa: (Sobre pedido)

**DOBLE
CONTACTO**

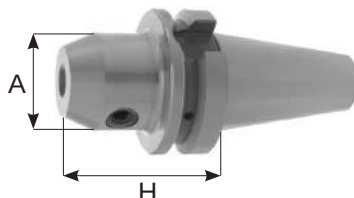


CONO TAPER	FORMA FORM
SBT30	AD
SBT40	AD
SBT50	AD



MAS/403BT

Porta fresas weldon DIN 1835-B Doble Contacto
End mill holders for DIN 1835-B shanks Dual Drive



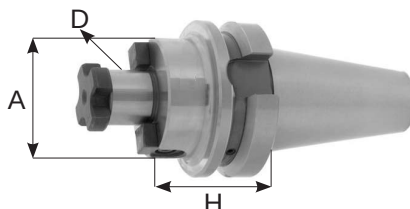
**DOBLE
CONTACTO**

SBT30 / SBT40 / SBT50

REFERENCIA	FAM	D	FORMA	H	A
SBT30.H60.WE6	18	6	AD	60	25
SBT30.H60.WE8		8	AD	60	28
SBT30.H60.WE10		10	AD	60	35
SBT30.H60.WE12		12	AD	60	42
SBT30.H75.WE16		16	AD	75	48
SBT30.H75.WE20		20	AD	75	52
SBT30.H90.WE25		25	AD	90	65
SBT40.H50.WE6	18	6	AD	50	25
SBT40.H150.WE6			AD	150	
SBT40.H50.WE8		8	AD	50	28
SBT40.H150.WE8			AD	150	
SBT40.H63.WE10		10	AD	63	35
SBT40.H150.WE10			AD	150	
SBT40.H63.WE12		12	AD	63	42
SBT40.H150.WE12			AD	150	
SBT40.H63.WE16		16	AD	63	48
SBT40.H150.WE16			AD	150	
SBT40.H63.WE18		18	AD	63	50
SBT40.H63.WE20		20	AD	63	52
SBT40.H100.WE25		25	AD	100	65
SBT40.H100.WE32		32	AD	100	72
SBT50.H63.WE6	18	6	AD	63	25
SBT50.H63.WE8		8	AD	63	28
SBT50.H63.WE10		10	AD	63	35
SBT50.H80.WE12		12	AD	80	42
SBT50.H80.WE16		16	AD	80	48
SBT50.H80.WE20		20	AD	80	52
SBT50.H100.WE25		25	AD	100	65
SBT50.H105.WE32		32	AD	105	72
SBT50.H115.WE40		40	AD	115	90
SBT50.H120.WE40		40	AD	120	90
SBT50.H120.WE42		42	AD	120	90
SBT50.H120.WE50		50	AD	120	100



Porta Fresas Fijo Doble Contacto
Shell end mill holders Dual Drive



**DOBLE
CONTACTO**

SBT30

REFERENCIA	FAM	D	FORMA	H	A
SBT30.H45.D22S	18	22	AD	45	48
SBT30.H60.D22S				60	
SBT30.H45.D27S		27		45	60
SBT30.H60.D27S				60	
SBT30.H45.D32S		32		45	78

SBT40

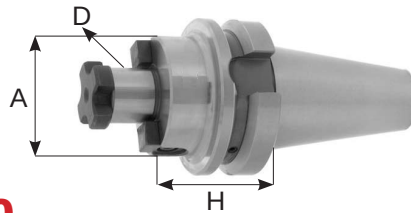
REFERENCIA	FAM	D	FORMA	H	A
SBT40.H45.D22S	18	22	AD	45	48
SBT40.H60.D22S				60	
SBT40.H100.D22S				100	
SBT40.H45.D27S	18	27	AD	45	60
SBT40.H60.D27S				60	
SBT40.H90.D27S				90	
SBT40.H105.D27S				105	
SBT40.H45.D32S	18	32	AD	45	78
SBT40.H60.D32S				60	
SBT40.H60.D40S	18	40	AD	60	80

SBT50

REFERENCIA	FAM	D	FORMA	H	A
SBT50.H45.D22S	18	22	AD	45	48
SBT50.H90.D22S				90	
SBT50.H150.D22S				150	
SBT50.H50.D27S	18	27	AD	50	60
SBT50.H90.D27S				90	
SBT50.H150.D27S				150	
SBT50.H200.D27S				200	
SBT50.H50.D32S	18	32	AD	50	78
SBT50.H90.D32S				90	
SBT50.H50.D40S	18	40	AD	50	89
SBT50.H90.D40S				90	
SBT50.H105.D40S				105	

MAS/403BT

Porta Fresas Fijo Doble Contacto
Shell end mill holders Dual Drive



**DOBLE
CONTACTO**

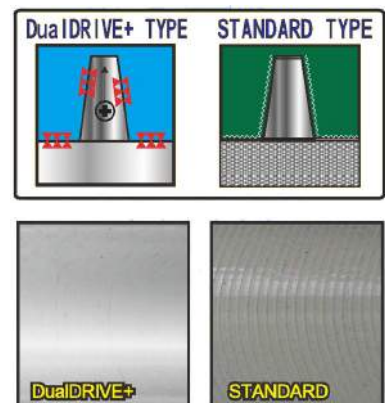
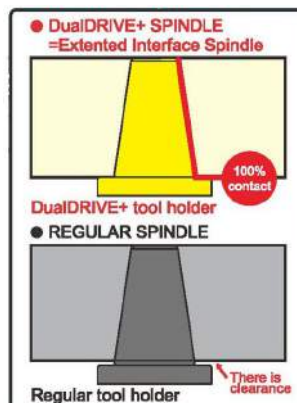
SBT40 / SBT50

REFERENCIA	FAM	D	FORMA	H	A
SBT40.H150.D22S	18	22	AD	150	48
SBT40.H200.D22S				200	
SBT40.H250.D22S				250	
SBT50.H150.D22S	18	22	AD	150	58
SBT50.H200.D22S				200	
SBT50.H250.D22S				250	
SBT50.H300.D22S				300	
SBT50.H350.D22S				350	
SBT50.H400.D22S				400	
SBT50.H450.D22S				450	
SBT50.H500.D22S				500	

**DOBLE
CONTACTO**



CONO TAPER	FORMA FORM
SBT30	AD
SBT40	AD
SBT50	AD



MAS/403BT

Reductor cono morse DIN/228-B Doble Contacto
Morse taper adapters DIN/228-B Dual Drive



**DOBLE
CONTACTO**

SBT30

REFERENCIA	FAM	D	FORMA	H	A
SBT30.H45.CM1B	18	CM1	AD	45	25
SBT30.H105.CM1B				105	
SBT30.H60.CM2B		CM2		60	32
SBT30.H120.CM2B				120	
SBT30.H80.CM3B		CM3		80	40

SBT40

REFERENCIA	FAM	D	FORMA	H	A
SBT40.H45.CM1B	18	CM1	AD	45	25
SBT40.H120.CM1B				120	
SBT40.H50.CM2B		CM2		50	32
SBT40.H120.CM2B				120	
SBT40.H70.CM3B		CM3		70	40
SBT40.H135.CM3B				135	
SBT40.H95.CM4B		CM4		95	48
SBT40.H165.CM4B				165	

SBT50

REFERENCIA	FAM	D	FORMA	H	A
SBT50.H45.CM1B	18	CM1	AD	45	25
SBT50.H120.CM1B				120	
SBT50.H180.CM1B				180	
SBT50.H60.CM2B		CM2		60	32
SBT50.H135.CM2B				135	
SBT50.H180.CM2B				180	
SBT50.H65.CM3B		CM3		65	40
SBT50.H150.CM3B				150	
SBT50.H180.CM3B				180	
SBT50.H95.CM4B		CM4		95	48
SBT50.H180.CM4B				180	
SBT50.H105.CM5B		CM5		105	63

MAS/403BT

Reductor Cono morse con tornillo tirante Doble Contacto
Reducing adaptors morse taper and drawbar thread Dual Drive



**DOBLE
CONTACTO**

SBT30

REFERENCIA	FAM	D	FORMA	H	A
SBT30.H45.CM1FV	18	CM1	AD	45	25
SBT30.H60.CM2FV		CM2		60	

SBT40

REFERENCIA	FAM	D	FORMA	H	A
SBT40.H45.CM1FV	18	CM1	AD	45	25
SBT40.H45.CM2FV		CM2		45	32
SBT40.H185.CM2FV				185	
SBT40.H75.CM3FV		CM3		75	40
SBT40.H90.CM3FV				90	
SBT40.H120.CM3FV				120	
SBT40.H180.CM3FV				180	
SBT40.H100.CM4FV		CM4		100	48
SBT40.H120.CM4FV				120	
SBT40.H180.CM4FV				180	

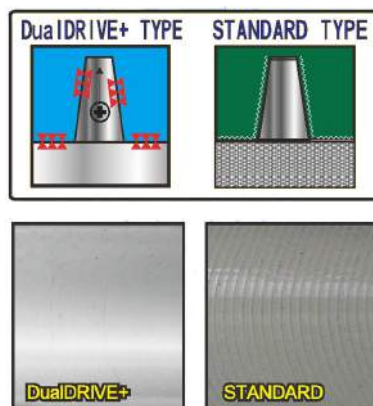
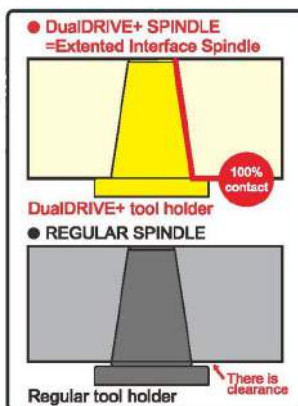
SBT50

REFERENCIA	FAM	D	FORMA	H	A
SBT50.H45.CM1FV	18	CM1	AD	45	25
SBT50.H45.CM2FV		CM2		45	32
SBT50.H60.CM3FV		CM3		60	40
SBT50.H75.CM4FV		CM4		75	48
SBT50.H120.CM5FV		CM5		120	63

**DOBLE
CONTACTO**

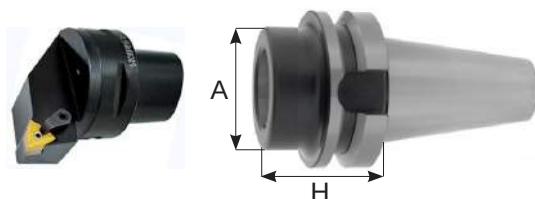


CONO TAPER	FORMA FORM
SBT30	AD
SBT40	AD
SBT50	AD



MAS/403BT

Cono Reductor de BT a PSC - ECA ISO 26623-1
Adapters from BT shank to PSC - ECA ISO 26623-1



**DOBLE
CONTACTO**

SBT-40

REFERENCIA	FAM	CONO	REDUCTOR	FORMA	H	A
SBT40.H30.PSC32DR	18	BT40	PSC-C32	AD	30	32
SBT40.H30.PSC40DR	18	BT40	PSC-C40	AD	30	40
SBT40.H30.PSC50DR	18	BT40	PSC-C50	AD	30	50
SBT40.H75.PSC63DR	18	BT40	PSC-C63	AD	75	63

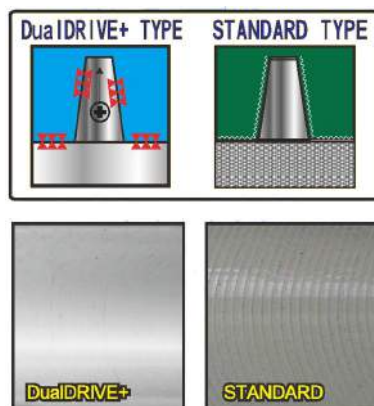
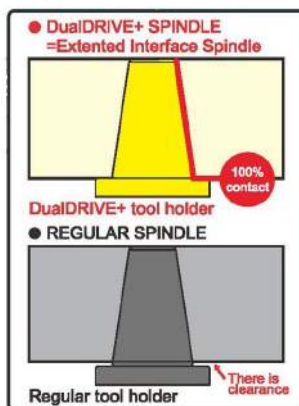
SBT-50

REFERENCIA	FAM	CONO	REDUCTOR	FORMA	H	A
SBT50.H40.PSC32DR	18	BT50	PSC-C32	AD	40	32
SBT50.H40.PSC40DR	18	BT50	PSC-C40	AD	40	40
SBT50.H40.PSC50DR	18	BT50	PSC-C50	AD	40	50
SBT50.H100.PSC63DR	18	BT50	PSC-C63	AD	100	63
SBT50.H150.PSC63DR	18	BT50	PSC-C63	AD	150	63
SBT50.H200.PSC63DR	18	BT50	PSC-C63	AD	200	63
SBT50.H250.PSC63DR	18	BT50	PSC-C63	AD	250	63
SBT50.H300.PSC63DR	18	BT50	PSC-C63	AD	300	63

**DOBLE
CONTACTO**

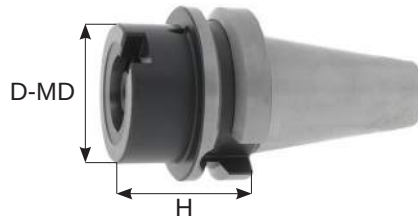


CONO TAPER	FORMA FORM
SBT30	AD
SBT40	AD
SBT50	AD



MAS/403BT

Porta herramientas Modular sistema Varilock
Modular toll holders varilock system

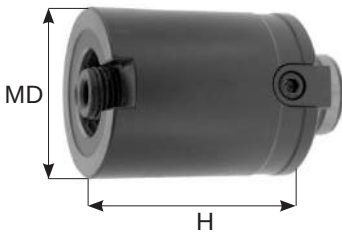


BT40 / BT50

REFERENCIA	FAM	D	FORMA	H
BTB40.H27.D50MD	1	50	AD+B	27
BTB40.H50.D50MD		50		50
BTB40.H27.D63MD		63		27
BTB40.H50.D63MD		63		50
BTB50.H50.D50MD	1	50	AD+B	50
BTB50.H50.D63MD		63		50
BTB50.H50.D80MD		80		50

Adaptador Modular de extensión sistema Varilock
Modular extension adapters

MD50 / MD63 / MD80



REFERENCIA	FAM	MD	H
MD50.H60.MD50	1	50	60
MD50.H80.MD50	20	50	80
MD50.H100.MD50	1	50	100
MD50.H150.MD50	11	50	150
MD63.H40.MD63	11	63	40
MD63.H80.MD63	1	63	80
MD63.H120.MD63	1	63	120
MD63.H160.MD63	11	63	160
MD80.H80.MD80	11	80	80
MD80.H100.MD80	20	80	100
MD80.H120.MD80	11	80	120
MD80.H140.MD80	20	80	140
MD80.H160.MD80	11	80	160

Porta pinzas Modular sistema Varilock

Modular collet chuck adapters

MD50 / MD63 / MD80



REFERENCIA	FAM	CAP	MD	H
MD50.H63.ERC20	20	1 ÷ 14	50	63
MD50.H63.ERC25	20	1 ÷ 20	50	63
MD50.H65.ERC32	1	2 ÷ 22	50	65
MD50.H80.ERC40	11	3 ÷ 30	50	80
MD63.H77.ERC32	1	2 ÷ 22	63	77
MD63.H80.ERC40	1	3 ÷ 30	63	80
MD80.H90.ERC40	20	3 ÷ 30	80	90

Porta fresas weldon Modular sistema Varilock

Modular end mill adapters

MD50 / MD63 / MD80

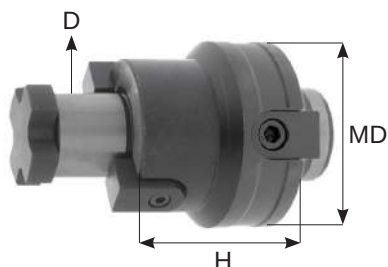


REFERENCIA	FAM	MD	H	WE
MD50.H50.WE6	1	50	50	6
MD50.H50.WE8			50	8
MD50.H50.WE10			50	10
MD50.H60.WE12			60	12
MD50.H60.WE14			60	14
MD50.H60.WE16			60	16
MD50.H60.WE18			60	18
MD50.H60.WE20			60	20
MD50.H80.WE25	20		80	25
MD63.H70.WE6	1	63	70	6
MD63.H70.WE8			70	8
MD63.H70.WE10			70	10
MD63.H70.WE12			70	12
MD63.H70.WE14			70	14
MD63.H70.WE16			70	16
MD63.H70.WE18			70	18
MD63.H70.WE20			70	20
MD63.H80.WE25			80	25
MD63.H80.WE32			80	32
MD63.H90.WE40	20		90	40
MD80.H70.WE16	20	80	70	16
MD80.H70.WE20			70	20
MD80.H80.WE25			80	25
MD80.H80.WE32			80	32
MD80.H90.WE40			90	40

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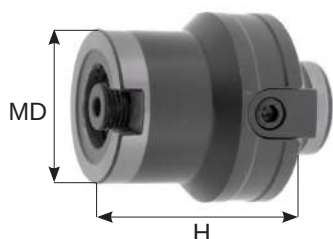
Porta Fresas Modular sistema Varilock
Shell end mill holders Modular Adapters

MD50 / MD63 / MD80



REFERENCIA	FAM	MD	H	D
MD50.H30.D16S	20	50	30	16
MD50.H20.D22S			20	22
MD50.H20.D27S			20	27
MD50.H25.D32S			25	32
MD63.H30.D22S	20	63	30	22
MD63.H30.D27S			30	27
MD63.H30.D32S			30	32
MD63.H30.D40S			30	40
MD80.H30.D27S	20	80	30	27
MD80.H30.D32S			30	32
MD80.H30.D40S			30	40

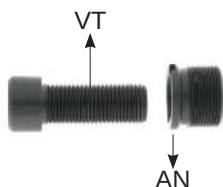
Reductor Modular sistema Varilock
Modular Adapters



MD63 / MD80

REFERENCIA	FAM	MD	H
MD63.H60.MD50	11	50	60
MD80.H80.MD63	11	63	80

Recambios
Spare part



REFERENCIA	FAM
AN-MD 50	1
AN-MD 63-80	
VT-MD 50	1
VT-MD 63-80	



REFERENCIA	FAM	MD
DK-MD50	1	12x10x18.2
DK-MD63-80	1	16x13x24

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