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INDICE

PROGRAMA

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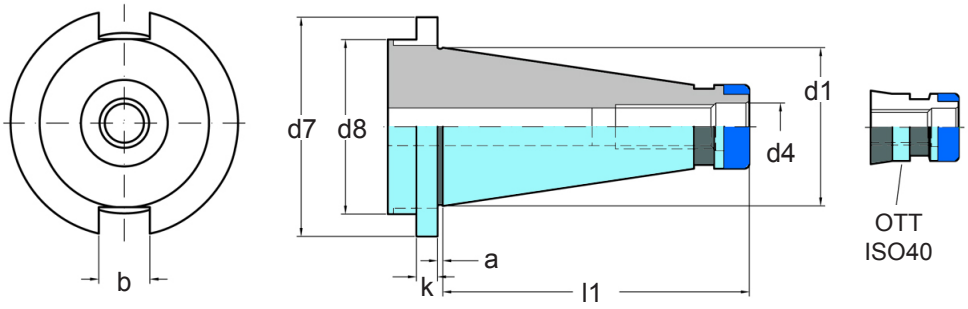
8



CONO TAPER	FORMA FORM	d1	d4	a	b	l1	d7	k	d8
ISO30	AD	31.75	M12	1.6	16.1	68.4	50	8	36
ISO40 ✶	AD	44.45	M16	1.6	16.1	93.4	63	10	50
ISO50	AD	69.85	M24	3.2	25.7	126.8	97.5	12	78

✶ ISO 40 con regata MAHO-OTT
ISO 40 with MAHO-OTT groove

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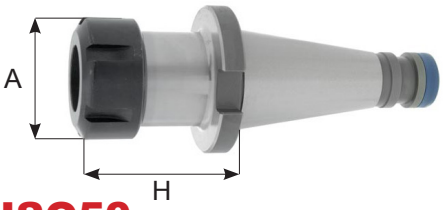
Porta pinzas ER tuerca STANDARD

Collet chucks ER STANDARD nut



ISO30 / ISO40 / ISO50

REFERENCIA	FAM	CAP	FORMA	H	A
ISO30.H50.ERC25	1	1 ÷ 20	AD	50	42
ISO30.H75.ERC25		1 ÷ 20		75	42
ISO30.H50.ERC32		2 ÷ 22		50	50
ISO30.H70.ERC32		2 ÷ 22		70	50
ISO30.H80.ERC32		2 ÷ 22		80	50
ISO30.H100.ERC32		2 ÷ 22		100	50
ISO30.H110.ERC32		2 ÷ 22		110	50
ISO30.H70.ERC40		3 ÷ 30		70	63
ISO30.H84.ERC40		3 ÷ 30		84	63
ISO30.H100.ERC40		3 ÷ 30		100	63
ISO40.H47.ERC16	1	1 ÷ 10	AD	47	28
ISO40.H63.ERC16		1 ÷ 10		63	28
ISO40.H90.ERC20		1 ÷ 14		90	34
ISO40.H47.ERC25		1 ÷ 20		47	42
ISO40.H70.ERC25		1 ÷ 20		70	42
ISO40.H100.ERC25		1 ÷ 20		100	42
ISO40.H130.ERC25		1 ÷ 20		130	42
ISO40.H49.ERC32		2 ÷ 22		49	50
ISO40.H70.ERC32		2 ÷ 22		70	50
ISO40.H90.ERC32		2 ÷ 22		90	50
ISO40.H100.ERC32		2 ÷ 22		100	50
ISO40.H130.ERC32		2 ÷ 22		130	50
ISO40.H56.ERC40		3 ÷ 30		56	63
ISO40.H70.ERC40		3 ÷ 30		70	63
ISO40.H100.ERC40		3 ÷ 30		100	63
ISO40.H130.ERC40		3 ÷ 30		130	63
ISO40.H160.ERC40		3 ÷ 30		160	63
ISO40.H200.ERC40		3 ÷ 30		200	63
ISO40.H103.ERC50		6 ÷ 34		103	78
ISO50.H80.ERC25	1	1 ÷ 20	AD	80	42
ISO50.H69.ERC32		2 ÷ 22		69	50
ISO50.H100.ERC32		2 ÷ 22		100	50
ISO50.H130.ERC32		2 ÷ 22		130	50
ISO50.H160.ERC32		2 ÷ 22		160	50
ISO50.H63.ERC40		3 ÷ 30		63	63
ISO50.H100.ERC40		3 ÷ 30		100	63
ISO50.H130.ERC40		3 ÷ 30		130	63
ISO50.H160.ERC40		3 ÷ 30		160	63
ISO50.H67.ERC50		6 ÷ 34		67	78

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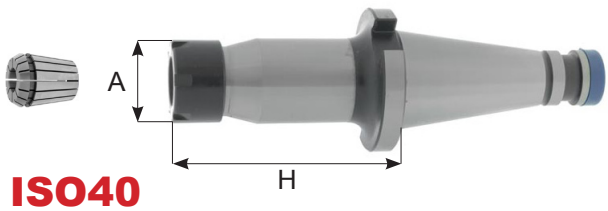
Porta pinzas ER tuerca MINI
Collet chucks ER MINI nut



ISO30 / ISO40

REFERENCIA	FAM	CAP	FORMA	H	A
ISO30.H70.ERC16M	2	1 ÷ 10	AD	70	22
ISO40.H80.ERC16M	2	1 ÷ 10	AD	80	22
ISO40.H90.ERC20M		1 ÷ 14		90	28
ISO40.H100.ERC25M		1 ÷ 20		100	35

8

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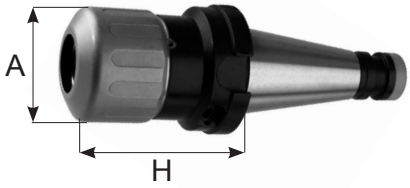
Porta pinzas Gran Apriete Mecánico pinza ER
Mechanical collet chucks ER with high tightening torque



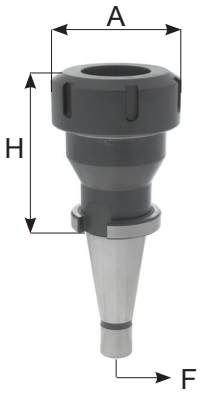
ISO40 / ISO50

REFERENCIA	FAM	CAP	FORMA	PINZA	H	A
ISO40.H80.MTT54	13	2 ÷ 22	AD	ER32	80	54
ISO50.H85.MTT54	13	2 ÷ 22	AD	ER32	85	54
ISO50.H97.MTT65		3 ÷ 30	AD	ER40	97	65

MMTB ANSI B5.18 - USA

Porta pinzas ANSI B5.18 USA
Collet chucks with ANSI B5.18 shank-USA

REFERENCIA	FAM	CAP	FORMA	H	A	F
NMTB30.H2.75.ERC16	1	1 ÷ 10	AD	2.75	1.10	1/2-13
NMTB30.H2.75.ERC20		1 ÷ 14		2.75	1.33	
NMTB30.H2.16.ERC32		2 ÷ 22	AD	2.16	1.95	
NMTB30.H3.30.ERC40		3 ÷ 30		3.30	2.48	
NMTB40.H3.00.ERC16		1 ÷ 10		3.00	1.10	5/8-11
NMTB40.H2.00.ERC20		1 ÷ 14		2.00	1.33	
NMTB40.H4.00.ERC20		1 ÷ 14	AD	4.00	1.33	
NMTB40.H2.00.ERC32		2 ÷ 22		2.00	1.96	
NMTB40.H2.20.ERC40		3 ÷ 30		2.20	2.48	



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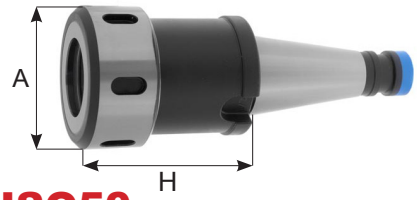
Porta pinzas para pinza EOC DIN/6388 B
Collet chucks EOC DIN/6388 B

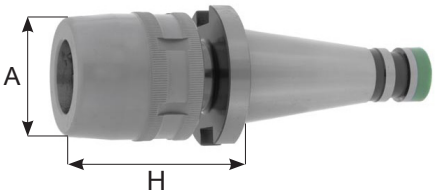


ISO30 / ISO40 / ISO50

REFERENCIA	FAM	CAP	FORMA	H	A
ISO30.H68.EOC25	1	2 ÷ 25	AD	68	60
ISO40.H55.EOC16	1	2 ÷ 16	AD	55	43
ISO40.H66.EOC25		2 ÷ 25		66	60
ISO40.H95.EOC32		3 ÷ 32		95	72
ISO50.H57.EOC25	1	2 ÷ 25	AD	57	60
ISO50.H71.EOC25		2 ÷ 25		71	60
ISO50.H73.EOC32		3 ÷ 32		73	72

DIN/2080

Porta pinzas Gran Apriete Mecánico pinza cilindrica
Power milling chucks



ISO30 / ISO40 / ISO50

REFERENCIA	FAM	CAP	FORMA	H	A
ISO30.H67.MC20	2	3 ÷ 20	AD	67	54
ISO40.H78.MC32	2	3 ÷ 32	AD	78	74
ISO50.H85.MC32	2	3 ÷ 32	AD	85	74

Estuche porta pinzas Gran Apriete Mecánico
Straight shank collet chuck kit

REFERENCIA	FAM	Capacidad
BX.ISO30.MC20	2	Pinza 3SR20 6 . 8 . 10 . 12 . 16
BX.ISO40.MC32 BX.ISO50.MC32	2	Pinza 3SR32 6 . 8 . 10 . 12 . 16 . 20 . 25

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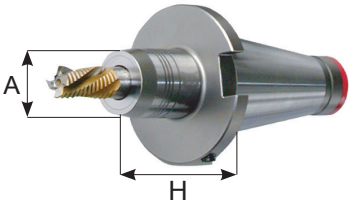
Porta pinzas Hidráulico
Hydraulic Collet chucks



ISO40

REFERENCIA	FAM	D	FORMA	H	A
ISO40.H49.HD6	4	6	AD	49	26
ISO40.H49.HD8	4	8	AD	49	28
ISO40.H53.HD10	4	10	AD	53	30
ISO40.H58.HD12	4	12	AD	58	32
ISO40.H58.HD14	4	14	AD	58	34
ISO40.H61.HD16	4	16	AD	61	38
ISO40.H61.HD18	4	18	AD	61	40
ISO40.H63.HD20	4	20	AD	63	42
ISO40.H70.HD25	4	25	AD	70	50
ISO40.H75.HD32	4	32	AD	75	60

ISO50

REFERENCIA	FAM	D	FORMA	H	A
ISO50.H53.HD6	4	6	AD	53	26
ISO50.H53.HD8	4	8	AD	53	28
ISO50.H57.HD10	4	10	AD	57	30
ISO50.H62.HD12	4	12	AD	62	32
ISO50.H62.HD14	4	14	AD	62	34
ISO50.H65.HD16	4	16	AD	65	38
ISO50.H65.HD18	4	18	AD	65	40
ISO50.H67.HD20	4	20	AD	67	42
ISO50.H72.HD25	4	25	AD	72	50
ISO50.H76.HD32	4	32	AD	76	60
ISO50.H90.HD40	4	40	AD	90	70
ISO50.H115.HD50	4	50	AD	115	78
ISO50.H130.HD60	4	60	AD	130	97.5

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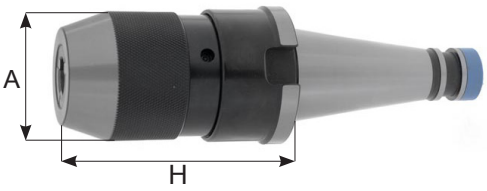
Porta brocas con llave de Gancho
Drill chucks with hook wrench



ISO40 / ISO50

REFERENCIA	FAM	CAP	FORMA	H	A
ISO40.H88.DCK13	1	1 ÷ 13	AD	88	50
ISO40.H100.DCK16		3 ÷ 16	AD	100	58
ISO50.H80.DCK13	1	1 ÷ 13	AD	80	50
ISO50.H90.DCK16		3 ÷ 16	AD	90	58

Recambio Porta brocas con llave de Gancho
Replacement drill chuck heads

REFERENCIA	FAM	CAP
DCK13.MT3S	1	1 ÷ 13
DCK16-MT3S		3 ÷ 16

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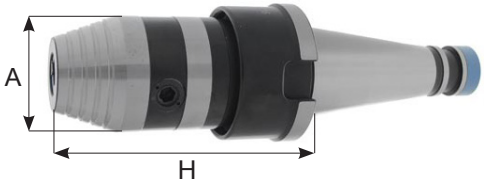
Porta brocas Gran apriete con llave Hexagonal
Exagonal key lokc drill chucks



ISO40 / ISO50

REFERENCIA	FAM	CAP	FORMA	H	A
ISO40.H105.CP13	1	1 ÷ 13	AD	105	50
ISO40.H110.CP16		3 ÷ 16	AD	110	58
ISO50.H98.CP13	1	1 ÷ 13	AD	98	50
ISO50.H103.CP16		3 ÷ 16	AD	103	58

Recambio Porta brocas Gran apriete llave Hexagonal
Replacement drill chuck heads

REFERENCIA	FAM	CAP
CP13.MT3	1	1 ÷ 13
CP16.MT3		3 ÷ 16

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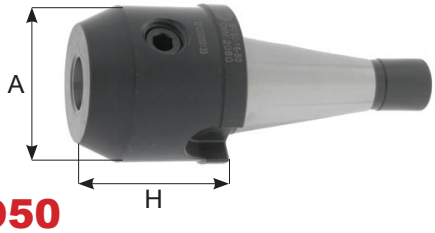
Porta fresas weldon DIN 1835-B

End mill holders for DIN 1835-B

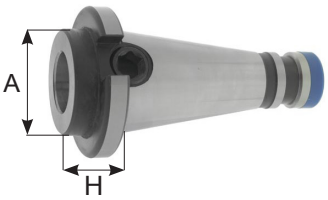


ISO30 / ISO40 / ISO50

REFERENCIA	FAM	D	FORMA	H	A
ISO30.H40.WE6	1	6	AD	40	25
ISO30.H40.WE8		8		40	28
ISO30.H40.WE10		10		40	35
ISO30.H40.WE12		12		40	42
ISO30.H40.WE14		14		40	44
ISO30.H50.WE16		16		50	48
ISO30.H50.WE18		18		50	50
ISO30.H63.WE20		20		63	52
ISO30.H85.WE25		25		85	65
ISO40.H50.WE6	1	6	AD	50	25
ISO40.H100.WE6				100	
ISO40.H50.WE8		8		50	28
ISO40.H100.WE8				100	
ISO40.H50.WE10		10		50	35
ISO40.H100.WE10				100	
ISO40.H50.WE12		12		50	42
ISO40.H100.WE12				100	
ISO40.H100.WE14		14		100	44
ISO40.H60.WE16		16		60	48
ISO40.H100.WE16				100	
ISO40.H100.WE18		18		100	50
ISO40.H65.WE20		20		65	52
ISO40.H100.WE20				100	
ISO40.H100.WE25		25		100	65
ISO40.H100.WE32		32		100	72
ISO40.H90.WE40		40		90	90
ISO50.H63.WE6	1	6	AD	63	25
ISO50.H63.WE8		8		63	28
ISO50.H63.WE10		10		63	35
ISO50.H63.WE12		12		63	42
ISO50.H63.WE14		14		63	44
ISO50.H63.WE16		16		63	48
ISO50.H63.WE18		18		63	50
ISO50.H63.WE20		20		63	52
ISO50.H80.WE25		25		80	65
ISO50.H80.WE32		32		80	72
ISO50.H90.WE40		40		90	90
ISO50.H110.WE50		50		110	100

DIN/2080

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

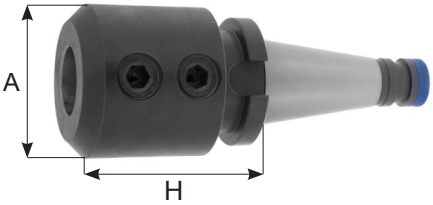


ISO40 / ISO50

REFERENCIA	FAM	D	FORMA	H	A
ISO40.H22.WE16	2	16	AD	22	44
ISO40.H22.WE20		20		22	
ISO40.H22.WE25		25		22	
ISO40.H40.WE32		32		40	
ISO50.H20.WE16	2	16	AD	20	66
ISO50.H20.WE20		20		20	
ISO50.H20.WE25		25		20	
ISO50.H20.WE32		32		20	

DIN/2080

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



ISO40 / ISO50

REFERENCIA	FAM	D	FORMA	H	A
ISO40.H50.WHN6	2	6	AD	50	25
ISO40.H50.WHN8		8		50	28
ISO40.H50.WHN10		10		50	35
ISO40.H50.WHN12		12		50	42
ISO40.H63.WHN16		16		63	48
ISO40.H63.WHN20		20		63	52
ISO40.H90.WHN25		25		90	65
ISO40.H90.WHN32		32		90	72
ISO50.H50.WHN6	2	6	AD	50	25
ISO50.H50.WHN8		8		50	28
ISO50.H63.WHN10		10		63	35
ISO50.H63.WHN12		12		63	42
ISO50.H63.WHN16		16		63	48
ISO50.H63.WHN20		20		63	52
ISO50.H80.WHN25		25		80	65
ISO50.H85.WHN32		32		85	72
ISO50.H95.WHN40		40		95	78

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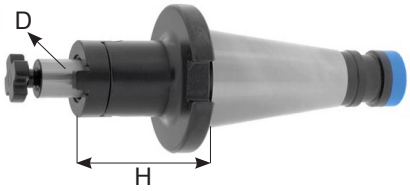
Porta Fresas Combinado

Combi shell end mill holders



ISO30 / ISO40 / ISO50

REFERENCIA	FAM	D	FORMA	H
ISO30.H50.D16C	1	16	AD	50
ISO30.H50.D22C		22		
ISO30.H50.D27C		27		
ISO30.H50.D32C		32		
ISO40.H52.D13C	1	13	AD	52
ISO40.H52.D16C	1	16	AD	52
ISO40.H52.D22C	1	22	AD	52
ISO40.H90.D22C				90
ISO40.H52.D27C	1	27	AD	52
ISO40.H90.D27C				90
ISO40.H52.D32C	1	32	AD	52
ISO40.H100.D32C				100
ISO40.H52.D40C	1	40	AD	52
ISO50.H55.D16C	1	16	AD	55
ISO50.H100.D16C				100
ISO50.H125.D16C				125
ISO50.H55.D22C	1	22	AD	55
ISO50.H100.D22C				100
ISO50.H125.D22C				125
ISO50.H55.D27C	1	27	AD	55
ISO50.H100.D27C				100
ISO50.H125.D27C				125
ISO50.H55.D32C	1	32	AD	55
ISO50.H100.D32C				100
ISO50.H125.D32C				125
ISO50.H55.D40C	1	40	AD	55
ISO50.H100.D40C				100
ISO50.H125.D40C				125
ISO50.H55.D50C	1	50	AD	55

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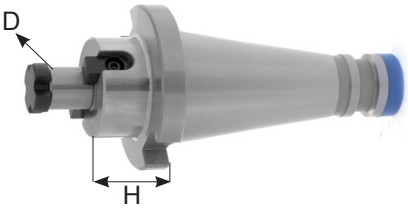
Porta Fresas Fijo

Shell end mill holders



ISO30 / ISO40 / ISO50

REFERENCIA	FAM	D	FORMA	H
ISO30.H35.D16S	1	16	AD	35
ISO30.H35.D22S		22		
ISO30.H35.D27S		27		
ISO30.H35.D32S		32		
ISO40.H30.D13S	1	13	AD	30
ISO40.H30.D16S	1	16	AD	30
ISO40.H90.D16S				90
ISO40.H35.D22S	1	22	AD	35
ISO40.H52.D22S				52
ISO40.H90.D22S				90
ISO40.H35.D27S	1	27	AD	35
ISO40.H90.D27S				90
ISO40.H35.D32S	1	32	AD	35
ISO40.H35.D40S	1	40	AD	35
ISO40.H90.D40S				90
ISO50.H45.D16S	1	16	AD	45
ISO50.H100.D16S				100
ISO50.H125.D16S				125
ISO50.H45.D22S	1	22	AD	45
ISO50.H100.D22S				100
ISO50.H125.D22S				125
ISO50.H45.D27S	1	27	AD	45
ISO50.H100.D27S				100
ISO50.H125.D27S				125
ISO50.H45.D32S	1	32	AD	45
ISO50.H100.D32S				100
ISO50.H125.D32S				125
ISO50.H45.D40S	1	40	AD	45
ISO50.H100.D40S				100
ISO50.H125.D40S				125

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Porta Fresas Fijo Gran diámetro
Face mill holders

ISO40 / ISO50

REFERENCIA	FAM	D	FORMA	H
ISO40.H20.D40FM	2	40	AD	20
ISO40.H30.D50FM		50	AD	30
ISO40.H30.D60FM		60	AD	30
ISO50.H30.D40FM	2	40	AD	30
ISO50.H30.D50FM		50	AD	30
ISO50.H30.D60FM		60	AD	30

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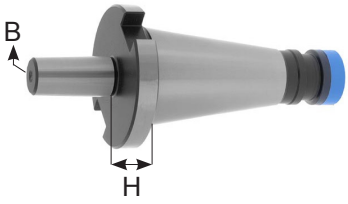
Mandrino Porta brocas
Drill chuck Arbors

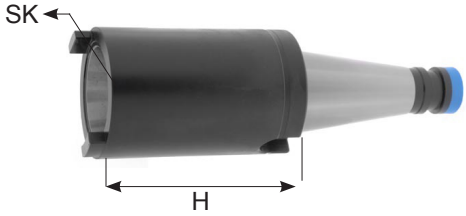


ISO30 / ISO40 / ISO50

REFERENCIA	FAM	DIN	B	H
ISO30.H15.B12	2	DIN/238	B12	15
ISO30.H15.B16		DIN/238	B16	15
ISO40.H17.B12		DIN/238	B12	17
ISO40.H17.B16		DIN/238	B16	17
ISO40.H17.B18		DIN/238	B18	17
ISO50.H20.B16		DIN/238	B16	20
ISO50.H20.B18		DIN/238	B18	20

DIN/2080

Reductor ISO a ISO DIN/2080
Reducing adaptors ISO a ISO DIN/2080



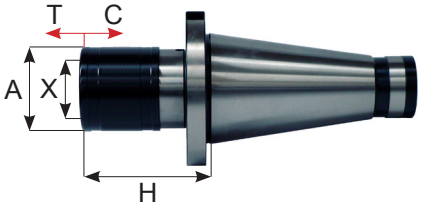
ISO40 / ISO50

REFERENCIA	FAM	ISO	FORMA	H	M
ISO40.H50.SK30	1	SK30	AD	50	M12
ISO40.H100.SK40		SK40		100	M16
ISO50.H16.SK30	1	SK30	AD	16	M12
ISO50.H16.SK40		SK40		16	M16
ISO50.H63.SK40		SK40		63	M16
ISO50.H125.SK50		SK50		125	M24

DIN/2080

Roscador con compresión y tracción DIN/2080

Tension and compression tap holders DIN/2080



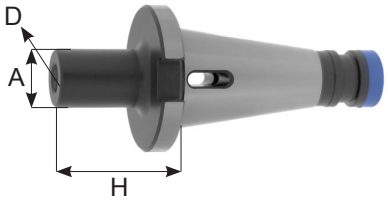
ISO30 / ISO40 / ISO50

REFERENCIA	CAP	X	A	H	C	T
SK30-THTC1-L58	M 3 ÷ M12	19	36	58	7.5	7.5
SK40-THTC1-L71				71		
SK50-THTC1-L59				59		
SK40-THTC2-L95	M 8 ÷ M20	31	53	85	12.5	12.5
SK50-THTC2-L79				79		
SK40-THTC3-L142	M14 ÷ M33	48	78	142	20	20
SK50-THTC3-L129				129		
SK40-THTC4-L157	M22 ÷ M48	60	96	157	22.5	22.5
SK50-THTC4-L143				143		

DIN/2080

Reductor Cono morse DIN/228-B

Morse taper adapters DIN/228-B

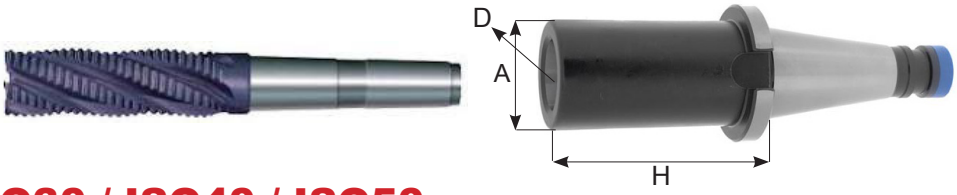


ISO30 / ISO40 / ISO50

REFERENCIA	FAM	D	FORMA	H	A
ISO30.H50.CM1P	1	CM1	AD	50	25
ISO30.H50.CM2P		CM2		50	32
ISO30.H72.CM3P		CM3		72	40
ISO40.H50.CM1P	1	CM1	AD	50	25
ISO40.H50.CM2P		CM2		50	32
ISO40.H65.CM3P		CM3		65	40
ISO40.H95.CM4P		CM4		95	48
ISO50.H60.CM2P	1	CM2	AD	60	32
ISO50.H65.CM3P		CM3		65	40
ISO50.H133.CM3P		CM3		133	40
ISO50.H70.CM4P		CM4		70	48
ISO50.H163.CM4P		CM4		163	48
ISO50.H105.CM5P		CM5		105	63
ISO50.H193.CM5P		CM5		193	63

DIN/2080

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

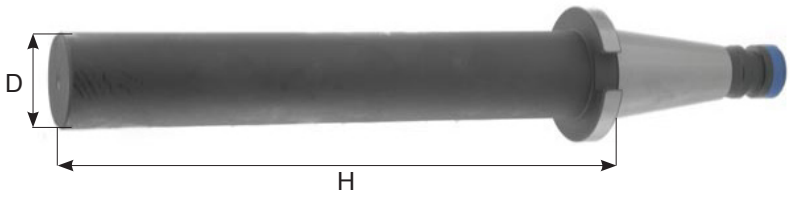


ISO30 / ISO40 / ISO50

REFERENCIA	FAM	D	FORMA	H	A
ISO30.H50.CM1FV	1	CM1	AD	50	25
ISO30.H50.CM2FV		CM2		50	32
ISO30.H78.CM3FV		CM3		78	40
ISO40.H50.CM1FV	1	CM1	AD	50	25
ISO40.H50.CM2FV		CM2		50	32
ISO40.H65.CM3FV		CM3		65	40
ISO40.H95.CM4FV		CM4		95	48
ISO50.H60.CM1FV	1	CM1	AD	60	25
ISO50.H60.CM2FV	1	CM2	AD	60	32
ISO50.H115.CM2FV				115	25
ISO50.H165.CM2FV				165	25
ISO50.H65.CM3FV	1	CM3	AD	65	40
ISO50.H115.CM3FV				115	32
ISO50.H165.CM3FV				165	32
ISO50.H65.CM4FV	1	CM4	AD	65	48
ISO50.H165.CM4FV				165	40
ISO50.H120.CM5FV	1	CM5	AD	120	63

DIN/2080

Barra de Desbaste DIN/2080
Machinable blank Arbors DIN/2080



ISO40 / ISO50

REFERENCIA	FAM	D	FORMA	H
ISO40.H250.D40BL	1	40	AD	250
ISO50.H315.D97BL	1	97	AD	315

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