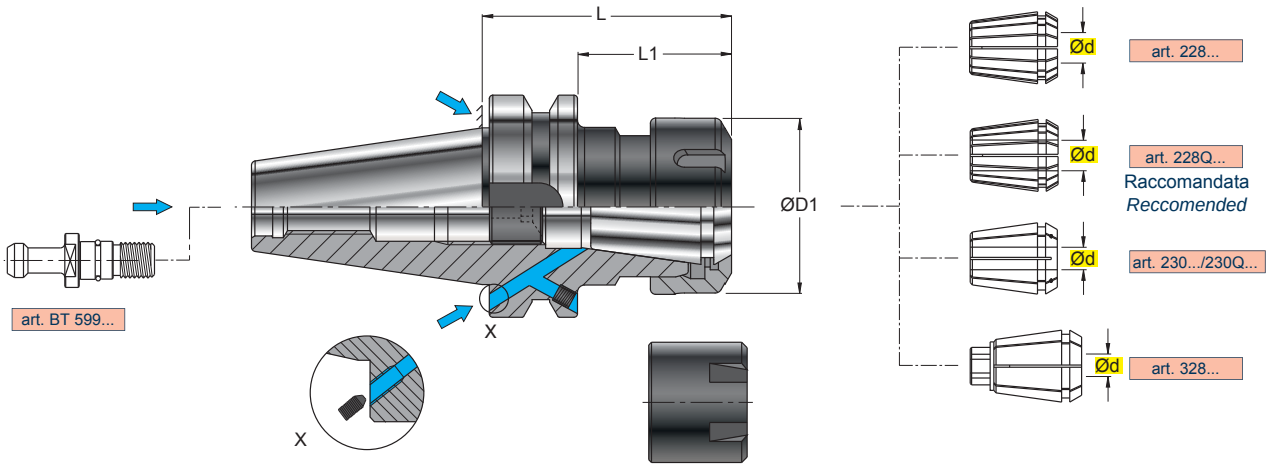
ART. MAS.B.. ER..
MAS 403 BT/AD-B

DIN 6499



RGM
Ghiera ad ingombro ridotto (SLIM)
Smaller ring nut (SLIM)

PORTAPINZA STANDARD
COLLET HOLDER STANDARD
SPANNFUTTER STANDARD
MANDRIN PORTE-PINCE STANDARD

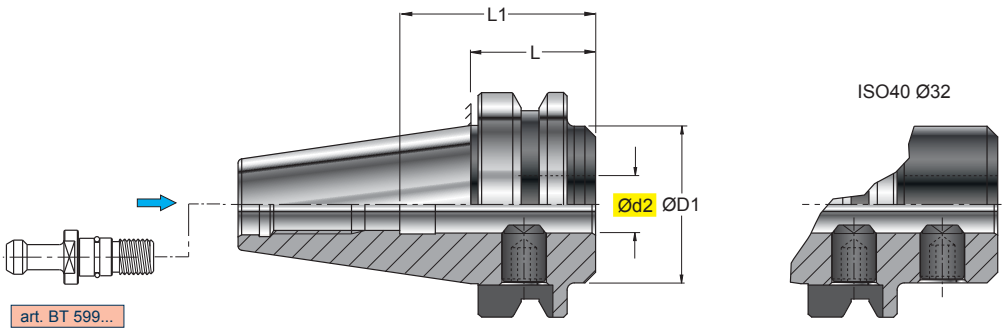
PRE-EQUILIBRATO
PRE-BALANCED
G 6,3 8000 min^{-1}

ART.	(mm) Ød	ØD1	L	L1						
MAS.B40.**ER011**.100M	ISO40	0,5-7	16	100	73	--.011.--.--	RGM ER11	938.011	_	_
MAS.B40.**ER011**.150M	ISO40	0,5-7	16	150	123	--.011.--.--				
MAS.B40.**ER016**.100M	ISO40	0,5-10	22	100	73	--.016.--.--	RGM ER16	938.016	_	_
MAS.B40.**ER016**.150M	ISO40	0,5-10	22	150	123	--.016.--.--				
MAS.B40.**ER016**.150	ISO40	0,5-10	28	150	123	--.016.--.--	RGS ER16	925.022	RGK ER16	926.030
MAS.B40.**ER016**.200	ISO40	0,5-10	28	200	173	--.016.--.--				
MAS.B40.**ER025**.070	ISO40	1-16	42	70	33	--.025.--.--	RGS ER25	925.040	RGK ER25	926.040
MAS.B40.**ER025**.100M	ISO40	1-16	35	100	73	--.025.--.--	RGM ER25	938.025	_	_
MAS.B40.**ER025**.120	ISO40	1-16	42	120	93	--.025.--.--	RGS ER25	925.040	RGK ER25	926.040
MAS.B40.**ER025**.150M	ISO40	1-16	35	150	123	--.025.--.--	RGM ER25	938.025	_	_
MAS.B40.**ER025**.150	ISO40	1-16	42	150	123	--.025.--.--	RGS ER25	925.040	RGK ER25	926.040
MAS.B40.**ER025**.200	ISO40	1-16	42	200	173	--.025.--.--				
MAS.B40.**ER032**.070	ISO40	1-20	50	70	43	--.032.--.--	RGS ER32	925.052	RGK ER32	926.052
MAS.B40.**ER032**.120	ISO40	1-20	50	120	93	--.032.--.--				
MAS.B40.**ER032**.150	ISO40	1-20	50	150	123	--.032.--.--				
MAS.B40.**ER032**.200	ISO40	1-20	50	200	173	--.032.--.--				
MAS.B40.**ER040**.070	ISO40	2-30	63	70	43	--.040.--.--	RGS ER40	925.068	RGK ER40	926.068
MAS.B40.**ER040**.120	ISO40	2-30	63	120	93	--.040.--.--				
MAS.B50.**ER016**.150M	ISO50	0,5-10	22	150	112	--.016.--.--	RGM ER16	938.016	_	_
MAS.B50.**ER025**.090	ISO50	1-16	42	90	52	--.025.--.--	RGS ER25	925.040	RGK ER25	926.040
MAS.B50.**ER025**.120	ISO50	1-16	42	120	82	--.025.--.--				
MAS.B50.**ER025**.150M	ISO50	1-16	35	150	112	--.025.--.--	RGM ER25	938.025	_	_
MAS.B50.**ER032**.090	ISO50	1-20	50	90	52	--.032.--.--	RGS ER32	925.052	RGK ER32	926.052
MAS.B50.**ER032**.120	ISO50	1-20	50	120	82	--.032.--.--				
MAS.B50.**ER032**.150	ISO50	1-20	50	150	112	--.032.--.--				
MAS.B50.**ER040**.090	ISO50	2-30	63	90	52	--.040.--.--	RGS ER40	925.068	RGK ER40	926.068
MAS.B50.**ER040**.120	ISO50	2-30	63	120	82	--.040.--.--				

RGM... , GHIERE CON DIAMETRO ØD1 MINORATO, PAG F 130
RGM... , RING NUTS WITH REDUCED DIAMETER ØD1, SEE PAGE F 130
RGM... , GEWINDERINGE MIT BESCHRÄNKTEM DURCHMESSER Ø D1, SEITE F 130
RGM... , FRETTES AVEC DIAMÈTRE ØD1 AMOINDRI, PAGE F 130

PAG. H 54

ART. MAS.A..WEC..
MAS 403 BT/AD



MANDRINO CORTO PER ATTACCHI TIPO WELDON
END-MILL HOLDER FOR WELDON CONNECTION-SHORT TYPE
AUFNAHME FÜR WELDON-TYPE, KURZE AUSFÜHRUNG
MANDRIN POUR ATTACHEMENT WELDON, SERIE COURTE

Ød2 H5 | 0,005 | PRE-EQUILIBRATO / PRE-BALANCED: G 6,3 8000 min^{-1}

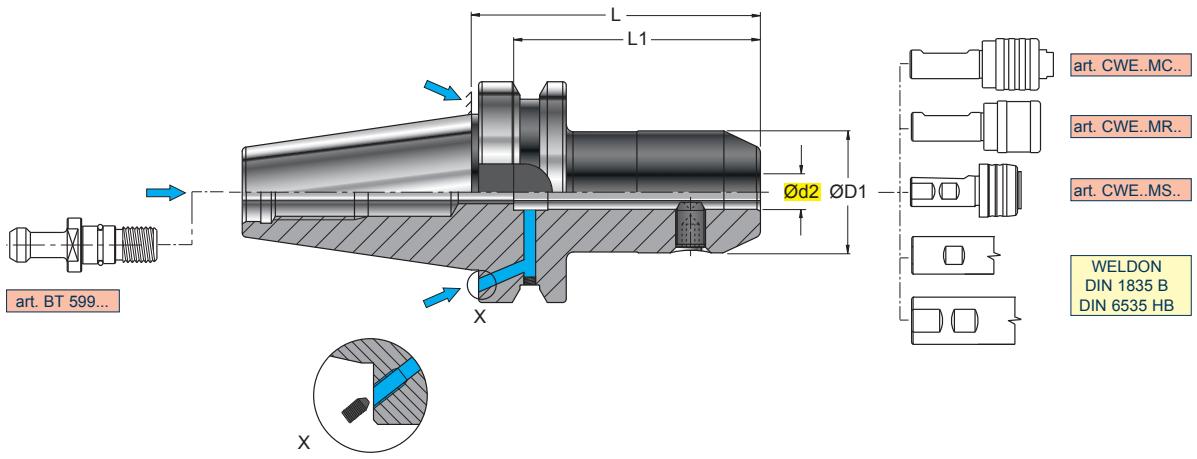
ART.		(mm) Ød2	ØD1	L	L1						
MAS.A40.WEC016.035	ISO40	16	44	35	45	GR1415	–	5006	–		
MAS.A40.WEC020.035	ISO40	20	44	35	45						
MAS.A40.WEC025.035	ISO40	25	44	35	55						
MAS.A40.WEC032.070	ISO40	32	72	70	60	GR1610	GR2015	5008	5010		
MAS.A50.WEC016.045	ISO50	16	70	45	45	GR1415	–	5006	–		
MAS.A50.WEC020.045	ISO50	20	70	45	45	GR1615	–	5008	–		
MAS.A50.WEC025.045	ISO50	25	70	45	55	GR1815	–	5008	–		
MAS.A50.WEC032.045	ISO50	32	70	45	60	GR2015	–	5010	–		

PAG. H 54

SAU QUALITY TOOLS ENGINEERING

ART. MAS.B40.WE..
MAS 403 BT/AD-B

DIN 6359 B



MANDRINO PER ATTACCHI TIPO WELDON
END MILL HOLDER FOR WELDON CONNECTION
WERKZEUGAUFNAHME FÜR WELDON-TYPE
MANDRIN POUR ATTACHEMENT WELDON

Ød2 H5 | 0,005 | PRE-EQUILIBRATO / PRE-BALANCED: G 6,3 8000 min-1

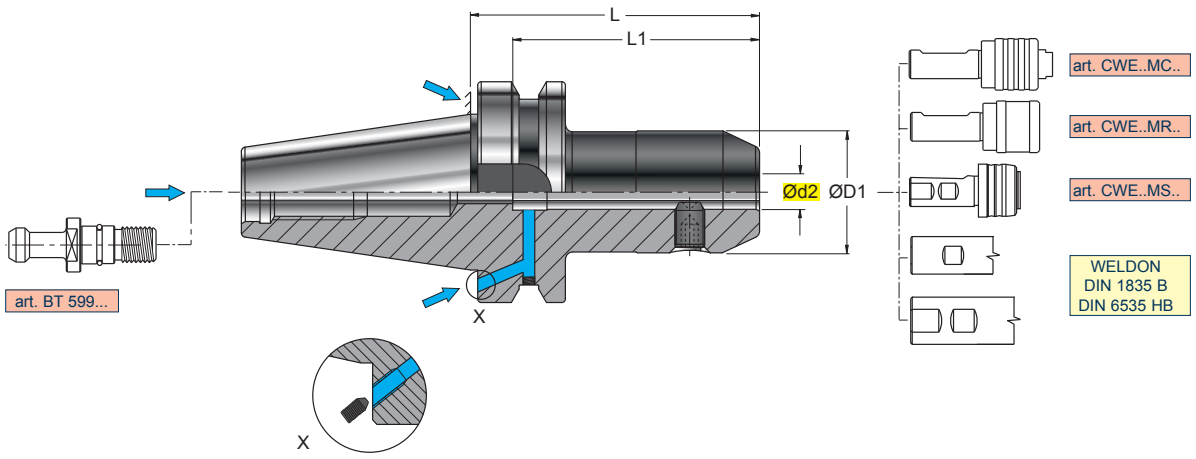
ART.	(mm)	Ød2	ØD1	L	L1						
MAS.B40.WE006.065	ISO40	6	25	65	35	GR06			5003		
MAS.B40.WE006.100	ISO40	6	25	100	35						
MAS.B40.WE006.150	ISO40	6	25	150	35						
MAS.B40.WE008.065	ISO40	8	28	65	35	GR08			5004		
MAS.B40.WE008.100	ISO40	8	28	100	35						
MAS.B40.WE008.150	ISO40	8	28	150	35						
MAS.B40.WE010.065	ISO40	10	35	65	39	GR10			5005		
MAS.B40.WE010.100	ISO40	10	35	100	39						
MAS.B40.WE010.150	ISO40	10	35	150	39						
MAS.B40.WE012.065	ISO40	12	42	65	44	GR1215			5006		
MAS.B40.WE012.100	ISO40	12	42	100	44						
MAS.B40.WE012.150	ISO40	12	42	150	44						
MAS.B40.WE014.065	ISO40	14	44	65	44	GR1215			5006		
MAS.B40.WE014.100	ISO40	14	44	100	44						
MAS.B40.WE014.150	ISO40	14	44	150	44						
MAS.B40.WE016.065	ISO40	16	48	65	47	GR1415			5006		
MAS.B40.WE016.100	ISO40	16	48	100	47						
MAS.B40.WE016.150	ISO40	16	48	150	47						
MAS.B40.WE018.065	ISO40	18	50	65	47						
MAS.B40.WE018.100	ISO40	18	50	100	47						
MAS.B40.WE018.150	ISO40	18	50	150	47						
MAS.B40.WE020.065	ISO40	20	52	65	49	GR1615			5008		
MAS.B40.WE020.100	ISO40	20	52	100	49						
MAS.B40.WE020.150	ISO40	20	52	150	49						
MAS.B40.WE025.090	ISO40	25	65	90	54	GR1815			5008		
MAS.B40.WE025.150	ISO40	25	65	150	54						
MAS.B40.WE032.090	ISO40	32	72	90	58	GR2015			5010		
MAS.B40.WE032.150	ISO40	32	72	150	58						
MAS.B40.WE040.105	ISO40	40	80	105	68						

PAG. H 54

SAU QUALITY TOOLS ENGINEERING

ART. MAS.B.50.WE..
MAS 403 BT/AD-B

DIN 6359 B



MANDRINO PER ATTACCHI TIPO WELDON
END MILL HOLDER FOR WELDON CONNECTION
WERKZEUGAUFNAHME FÜR WELDON-TYPE
MANDRIN POUR ATTACHEMENT WELDON

Ød2 H5

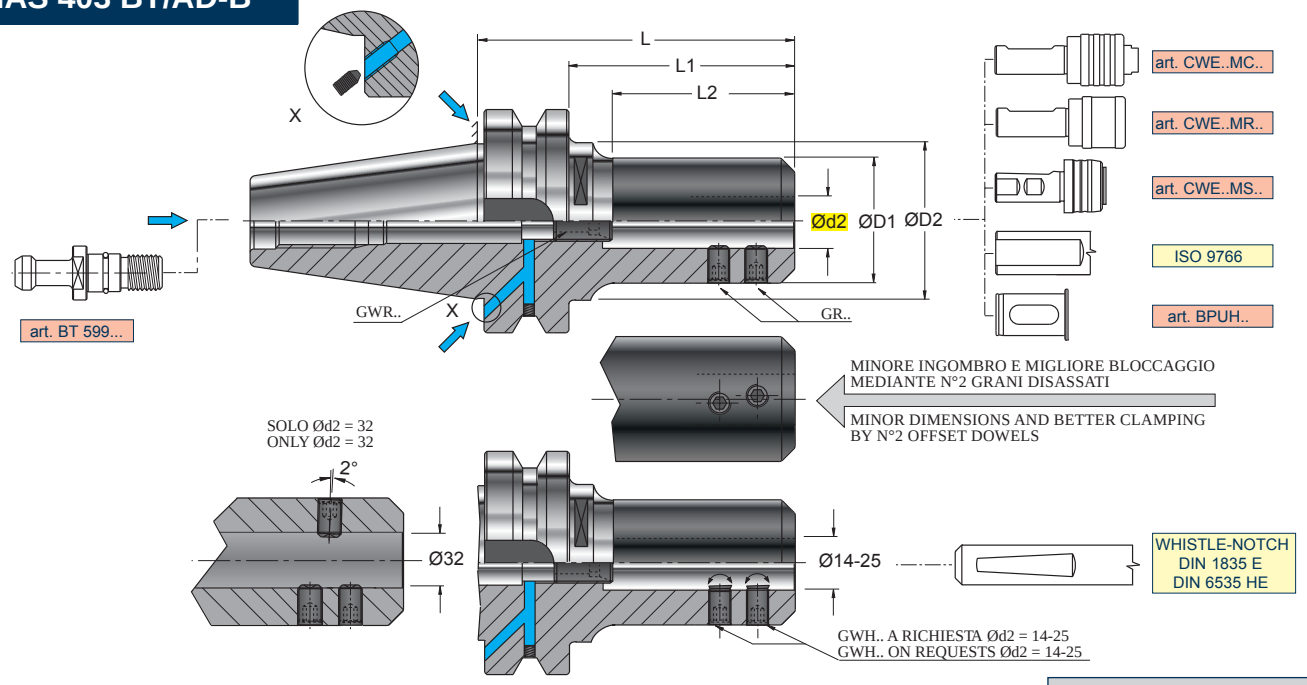
0,005

PRE-EQUILIBRATO
PRE-BALANCED
G 6,3 8000 min^{-1}

ART.		(mm) Ød2	ØD1	L	L1		
MAS.B50.WE006.080	ISO50	6	25	80	35	GR06	5003
MAS.B50.WE006.100	ISO50	6	25	100	35		
MAS.B50.WE006.150	ISO50	6	25	150	35		
MAS.B50.WE008.080	ISO50	8	28	80	35	GR08	5004
MAS.B50.WE008.100	ISO50	8	28	100	35		
MAS.B50.WE008.150	ISO50	8	28	150	35		
MAS.B50.WE010.080	ISO50	10	35	80	39	GR10	5005
MAS.B50.WE010.100	ISO50	10	35	100	39		
MAS.B50.WE010.150	ISO50	10	35	150	39		
MAS.B50.WE012.080	ISO50	12	42	80	44	GR1215	5006
MAS.B50.WE012.100	ISO50	12	42	100	44		
MAS.B50.WE012.150	ISO50	12	42	150	44		
MAS.B50.WE014.080	ISO50	14	44	80	44	GR1215	5006
MAS.B50.WE014.100	ISO50	14	44	100	44		
MAS.B50.WE014.150	ISO50	14	44	150	44		
MAS.B50.WE016.080	ISO50	16	48	80	47	GR1415	5006
MAS.B50.WE016.100	ISO50	16	48	100	47		
MAS.B50.WE016.150	ISO50	16	48	150	47		
MAS.B50.WE018.080	ISO50	18	50	80	47		
MAS.B50.WE018.100	ISO50	18	50	100	47		
MAS.B50.WE018.150	ISO50	18	50	150	47		
MAS.B50.WE020.080	ISO50	20	52	80	49	GR1615	5008
MAS.B50.WE020.100	ISO50	20	52	100	49		
MAS.B50.WE020.150	ISO50	20	52	150	49		
MAS.B50.WE025.100	ISO50	25	65	100	54	GR1815	5008
MAS.B50.WE025.150	ISO50	25	65	150	54		
MAS.B50.WE032.100	ISO50	32	72	100	58	GR2015	5010
MAS.B50.WE032.150	ISO50	32	72	150	58		
MAS.B50.WE040.115	ISO50	40	80	115	68		
MAS.B50.WE040.150	ISO50	40	80	150	68		
MAS.B50.WE050.115	ISO50	50	90	115	78	GR2420	5017

PAG. H 54

ART. MAS.B..PUH..
MAS 403 BT/AD-B



PORTAPUNTA UNIVERSALE
UNIVERSAL ADAPTER FOR DRILLING TOOLS
WELDON-AUFNAHME FÜR VOLLBOHRER
PORTE-FORET UNIVERSEL

Ød2 H5

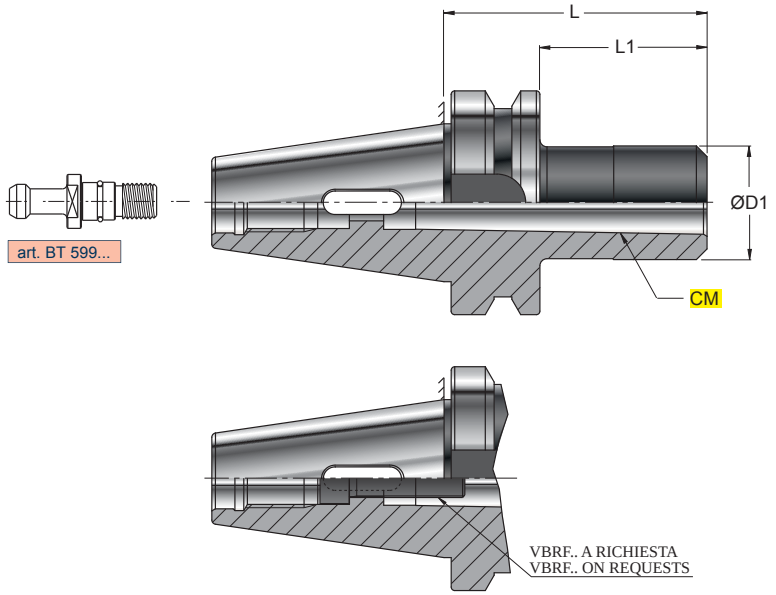
0,003

PRE-EQUILIBRATO PRE-BALANCED
BT40 = G6,3 8000 min^{-1}
BT50 = G6,3 6000 min^{-1}

ART.		(mm) Ød2	ØD1	ØD2	L	L1	L2						
MAS.B40.PUH014.100	ISO40	14	36	44,7	100	73	45	n°2 GR10	GWR12	5005	5006	GWH10	5005
MAS.B40.PUH016.100	ISO40	16	38	44,7	100	73	45						
MAS.B40.PUH018.100	ISO40	18	40	44,7	100	73	48						
MAS.B40.PUH020.100	ISO40	20	42	50	100	73	48	n°2 GR10	GWR16	5005	5008	GWH10	5005
MAS.B40.PUH025.100	ISO40	25	48	55	100	73	48	n°2 GR10	GWR20	5005	5010	GWH10	5005
MAS.B40.PUH032.080	ISO40	32	58	–	80	53	–	n°2 GR10	–	5005	–	GWH10	5005
MAS.B40.PUH040.080	ISO40	40	68	–	80	53	–	n°3 GR14	–	5006	–	–	–

PAG. H 54

ART. MAS.A.. RP..
MAS 403 BT/AD



ADATTATORE PER CONO MORSE CON TENONE
ADAPTER FOR MORSE TAPER WITH TENON
ADAPTER FÜR MORSE-KEGEL MIT LAPPEN
ADAPTATEUR POUR CONE MORSE AVEC TENON

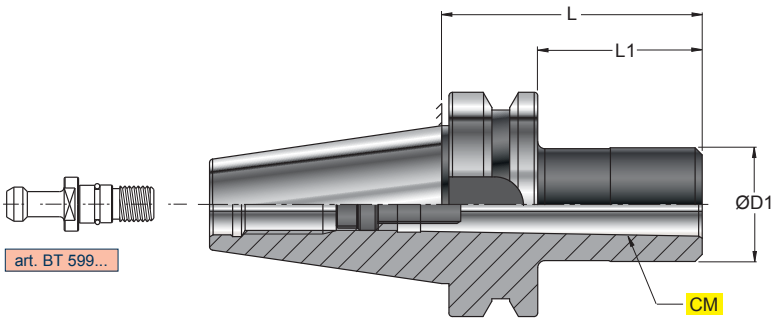
PRE-EQUILIBRATO PRE-BALANCED	
	BT40 = G6,3 8000 min^{-1}
	BT50 = G6,3 6000 min^{-1}

ART.			(mm) ØD1	L	L1			
MAS.A40.RP001.045	ISO40	C.M.1	25	45	18		VBRF060	CTE05
MAS.A40.RP001.120	ISO40	C.M.1	25	120	93			
MAS.A40.RP002.050	ISO40	C.M.2	32	50	23		VBRF100	CTE08
MAS.A40.RP002.135	ISO40	C.M.2	32	135	108			
MAS.A40.RP003.070	ISO40	C.M.3	40	70	43		VBRF120	CTE10
MAS.A40.RP003.150	ISO40	C.M.3	40	150	123			
MAS.A40.RP004.090	ISO40	C.M.4	50	90	63		VBRF160	CTE14
MAS.A40.RP004.165	ISO40	C.M.4	50	165	138			
MAS.A50.RP001.045	ISO50	C.M.1	25	45	7		VBRF060	CTE05
MAS.A50.RP001.120	ISO50	C.M.1	25	120	82			
MAS.A50.RP002.050	ISO50	C.M.2	32	50	12		VBRF100	CTE08
MAS.A50.RP002.135	ISO50	C.M.2	32	135	97			
MAS.A50.RP003.063	ISO50	C.M.3	40	63	25		VBRF120	CTE10
MAS.A50.RP003.150	ISO50	C.M.3	40	150	112			
MAS.A50.RP003.180	ISO50	C.M.3	40	180	142			
MAS.A50.RP004.075	ISO50	C.M.4	50	75	37		VBRF160	CTE14
MAS.A50.RP004.180	ISO50	C.M.4	50	180	142			
MAS.A50.RP005.105	ISO50	C.M.5	70	105	67			

È POSSIBILE INSERIRE FRESE CON FILETTO TRAMITE L'AUSILIO DEL RICAMBIO OPZIONALE **VBRF...**
POSSIBLE FITTING OF CUTTERS WITH THREAD BY MEANS OF THE OPTIONAL SPARE PART **VBRF...**
MÖGLICHER EINSATZ VON FRÄSERN MIT GEWINDE MIT HILFE DES OPTIONELLEN ERSATZTEILS **VBRF...**
IL EST POSSIBLE D'INSERER DES FRAISES AVEC FILET AU MOYEN DE LA PIECE DE RECHANGE EN OPTION **VBRF...**

ART. MAS.A.. RF..
MAS 403 BT/AD

DIN 6364 B



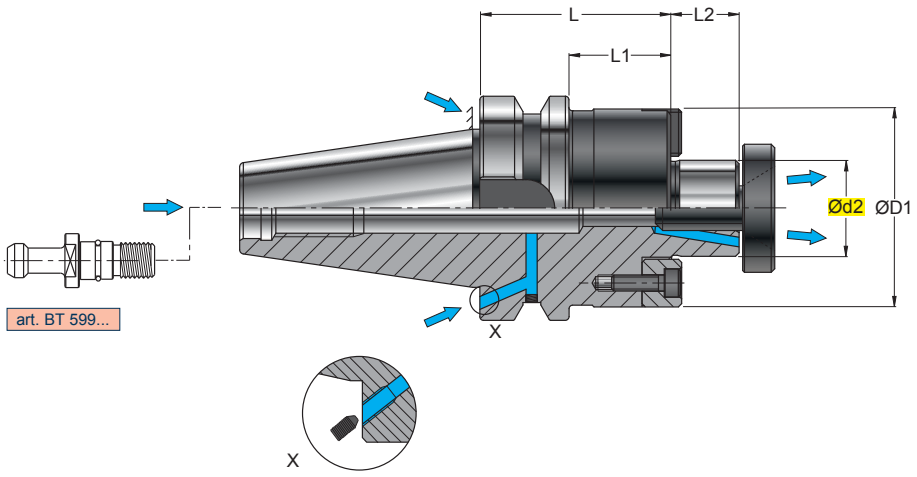
ADATTATORE PER CONO MORSE CON TIRANTE PER FRESE
HOLDERS FOR MORSE TAPER WITH THREAD FOR MILLING CUTTERS
MORSEKEGELADAPTER MIT ANZUGGEWINDE FÜR FRÄSER
DOUILLES POUR CONE MORSE AVEC TARAUDAGE POUR FRAISES

PRE-EQUILIBRATO PRE-BALANCED	
	BT40 = G6,3 8000 min^{-1}
	BT50 = G6,3 6000 min^{-1}

ART.			(mm) ØD1	L	L1					
MAS.A40.RF001.040	ISO40	C.M.1	25	40	13	VBRF0625	BCM1100	CTE05	CHRF01	
MAS.A40.RF002.050	ISO40	C.M.2	32	50	23	VBRF1030B	BCM1200	CTE06	CHRF02	
MAS.A40.RF003.070	ISO40	C.M.3	40	70	43	VBRF1240	BCM1220	CTE08	CHRF03	
MAS.A40.RF004.095	ISO40	C.M.4	50	95	68	VBRF1850	BCM1626	CTE10	CHRF04	
MAS.A50.RF001.050	ISO50	C.M.1	25	50	12	VBRF0645	BCM3100	CTE05	CHRF01	
MAS.A50.RF002.050	ISO50	C.M.2	32	50	12	VBRF1040	BCM3200	CTE06	CHRF02	
MAS.A50.RF003.060	ISO50	C.M.3	40	60	22	VBRF1240	BCM3300	CTE08	CHRF03	
MAS.A50.RF004.080	ISO50	C.M.4	50	80	42	VBRF1640B	BCM3400	CTE10	CHRF04	
MAS.A50.RF005.100	ISO50	C.M.5	65	100	62	VBRF2050E	BCM2033	CTE12	CHRF05	

PAG. H 54

ART. MAS.B.. FSW..
MAS 403 BT/AD-B



PORTAFRESA A TRASCINAMENTO FRONTALE CON TENONE
SHELL END-MILL HOLDERS WITH TENON
FRÄSERAUFNAHME MIT QUERNUT UND LAPPEN
ADAPTATEUR POUR CONE MORSE AVEC TENON

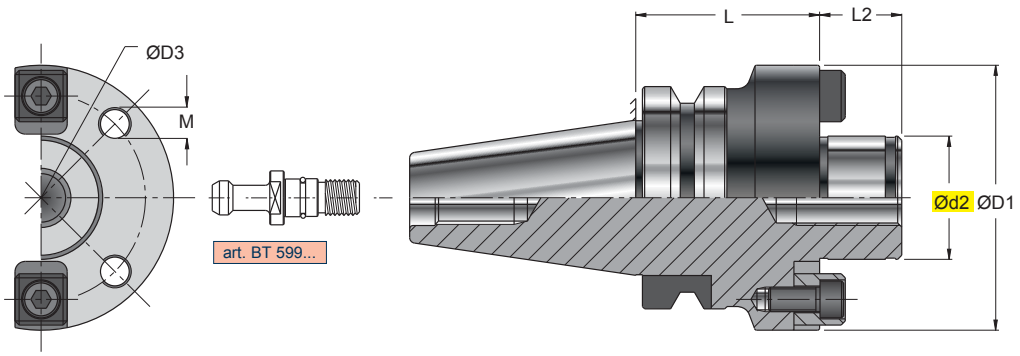
PRE-EQUILIBRATO PRE-BALANCED	
	SK40 = G6,3 8000 min^{-1}
	SK50 = G6,3 6000 min^{-1}

ART.		(mm) Ød2	ØD1	L	L1	L2						
MAS.B40.FSW016.060	ISO40	16	40	60	33	17	RS 16	VBS08	TSFS16	VB02	CTE05	5025
MAS.B40.FSW016.100	ISO40	16	40	100	73	17						
MAS.B40.FSW022.060	ISO40	22	50	60	33	19	RS 22	VBS10	TSFS22	VB04	CTE06	5003
MAS.B40.FSW022.100	ISO40	22	50	100	73	19						
MAS.B40.FSW027.045	ISO40	27	60	45	18	21	RS 27	VBS12	TSFS27	VB05	CTE08	5004
MAS.B40.FSW027.100	ISO40	27	60	100	73	21						
MAS.B40.FSW032.060	ISO40	32	65	60	33	24	RS 32	VBS16	TSFS32	VB05	CTE10	5004
MAS.B40.FSW040.100	ISO40	40	75	100	33	27	RS 40	VBS20	TSFS40	VB06	CTE12	5005
MAS.B50.FSW016.075	ISO50	16	40	75	37	17	RS 16	VBS08	TSFS16	VB02	CTE05	5025
MAS.B50.FSW022.075	ISO50	22	50	75	37	19	RS 22	VBS10	TSFS22	VB04	CTE06	5003
MAS.B50.FSW022.100	ISO50	22	50	100	62	19						
MAS.B50.FSW027.060	ISO50	27	60	60	22	21	RS 27	VBS12	TSFS27	VB05	CTE08	5004
MAS.B50.FSW027.100	ISO50	27	60	100	62	21						
MAS.B50.FSW032.075	ISO50	32	75	75	37	24	RS 32	VBS16	TSFS32	VB05	CTE10	5004
MAS.B50.FSW032.100	ISO50	32	75	100	62	24						
MAS.B50.FSW040.060 New	ISO50	40	85	60	22	27	RS 40	VBS20	TSFS40	VB06	CTE12	5005

PAG. H 54

ART. MAS.A.. FF..
MAS 403 BT/A

DIN 6357 B



PORTAFRESA A TRASCINAMENTO FRONTALE CON TENONE
SHELL END-MILL HOLDERS WITH TENON
FRÄSERAUFNAHME MIT QUERNUT UND LAPPEN
ADAPTATEUR POUR CONE MORSE AVEC TENON

0,003

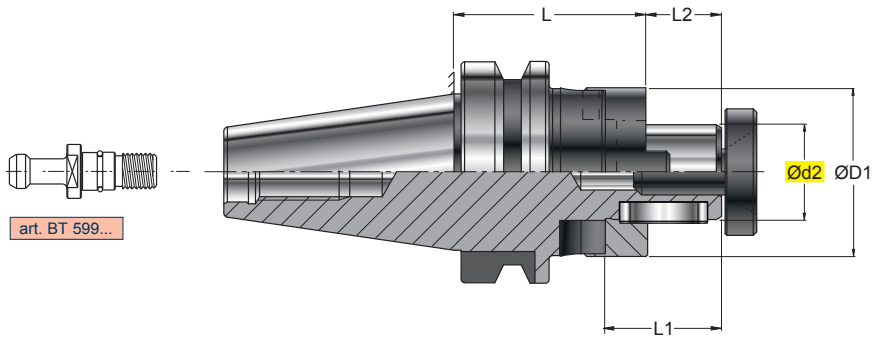
ART.		(mm) Ød2	ØD1	ØD3	L	L2							
MAS.A40.FF040.060	ISO40	40	89	66,7	60	25	TSFF40	VB06			5005	RS 40	VBS20	CTE12
MAS.A40.FF060.060	ISO40	60	129	101,6	60	35	TSFF60	VB12C			5010	RS 60	VBS24	CTE14
MAS.A50.FF040.070	ISO50	40	89	66,7	70	25	TSFF40	VB06			5005	RS 40	VBS20	CTE12
MAS.A50.FF060.088 New	ISO50	60	129	101,6	88	35	TSFF60	VB12C			5010	RS 60	VBS24	CTE14

PAG. H 54

SAU QUALITY TOOLS ENGINEERING

ART. MAS.A.. FC..
MAS 403 BT/A

DIN 6358 B



PORTAFRESA A TRASCINAMENTO COMBINATO PER FRESE A MANICOTTO E A DISCO
COMBI FACE MILL HOLDERS FOR SHELL-END AND DISC MILLING CUTTERS
FRÄSERAUFNAHME KOMBINIERT FÜR AUFSTECK-UND SCHEIBENFRÄSER
MANDRIN PORTE-FRAISE À ENTRAÏNEMENT COMBINÉ POUR FRAISES À MANCHON ET DE DISQUE

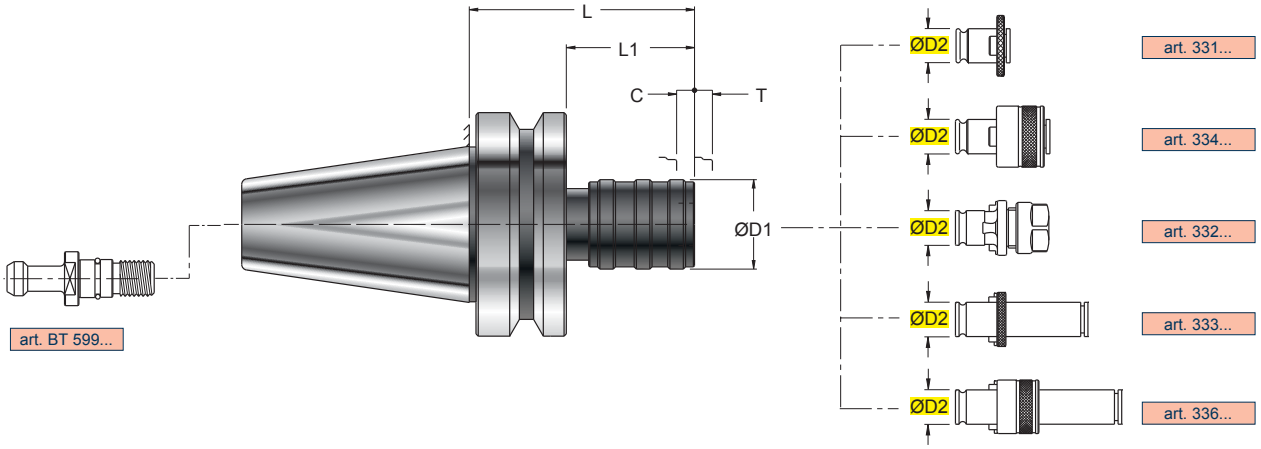
0,01

PRE-EQUILIBRATO
PRE-BALANCED
G 6,3 8000 min^{-1}

ART.		(mm) Ød2	ØD1	L	L1	L2					
MAS.A40.FC016.050	ISO40	16	32	50	27	17	RS 16	VBS08	CT0420	08.3501.016.AT	CTE05
MAS.A40.FC016.090	ISO40	16	32	90	27	17					
MAS.A40.FC022.055	ISO40	22	40	55	31	19	RS 22	VBS10	CT0625	08.3502.022.AT	CTE06
MAS.A40.FC022.090	ISO40	22	40	90	31	19					
MAS.A40.FC027.055	ISO40	27	48	55	33	21	RS 27	VBS12	CT0725	08.3503.027.AT	CTE08
MAS.A40.FC027.090	ISO40	27	48	90	33	21					
MAS.A40.FC032.060	ISO40	32	58	60	38	24	RS 32	VBS16	CT0828	08.3504.032.AT	CTE10
MAS.A40.FC032.090	ISO40	32	58	90	38	24					
MAS.A40.FC040.060	ISO40	40	70	60	41	27	RS 40	VBS20	CT1032	08.3505.040.AT	CTE12
MAS.A40.FC040.090	ISO40	40	70	90	41	27					
MAS.A50.FC016.065	ISO50	16	32	65	27	17	RS 16	VBS08	CT0420	08.3501.016.AT	CTE05
MAS.A50.FC016.120	ISO50	16	32	120	27	17					
MAS.A50.FC022.065	ISO50	22	40	65	31	19	RS 22	VBS10	CT0625	08.3502.022.AT	CTE06
MAS.A50.FC027.070	ISO50	27	48	70	33	21	RS 27	VBS12	CT0725	08.3503.027.AT	CTE08
MAS.A50.FC027.120	ISO50	27	48	120	33	21					
MAS.A50.FC032.070	ISO50	32	58	70	38	24	RS 32	VBS16	CT0828	08.3504.032.AT	CTE10
MAS.A50.FC032.120	ISO50	32	58	120	38	24					
MAS.A50.FC040.075	ISO50	40	70	75	41	27	RS 40	VBS20	CT1032	08.3505.040.AT	CTE12
MAS.A50.FC040.120	ISO50	40	70	120	41	27					
MAS.A50.FC050.075	ISO50	50	90	75	46	30	RS 50	VBS24	CT1236	08.3506.050.AT	CTE14

PAG. H 54

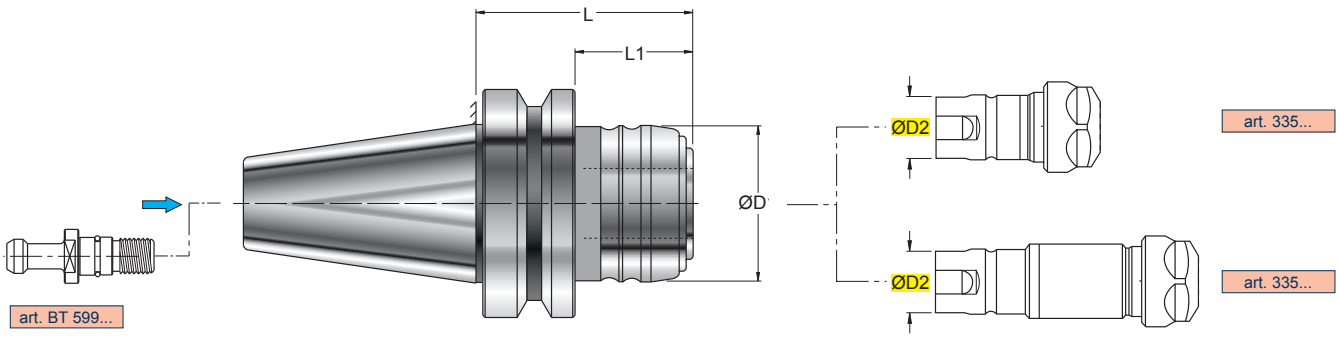
ART. MAS.A.. MC..
MAS 403 BT/A



PORTA MASCHIO A CAMBIO RAPIDO CON DOPPIA COMPENSAZIONE
QUICK-CHANGE TAP HOLDER WITH DOUBLE COMPENSATION
GEWINDESCHNEID-SCHNELLWECHSELFUTTER MIT DOPPELAUSGLEICH
MANDRINS DE TARAUDAGE À CHANGEMENT RAPIDE À DOUBLE COMPENSATION

ART.		(mm) ØD1	ØD2	L	L1	C	T	Campo di maschiatura Tap range
MAS.A40.MC019.068	ISO40	38	19	68	41	9	9	M3-M12
MAS.A40.MC031.093	ISO40	55	31	93	66	15	15	M8-M24
MAS.A50.MC019.080	ISO50	38	19	80	42	9	9	M3-M12
MAS.A50.MC031.102	ISO50	55	31	102	64	15	15	M8-M24
MAS.A50.MC048.135	ISO50	79	48	135	97	24	24	M16-M36

ART. MAS.A.. MS..
MAS 403 BT/AD

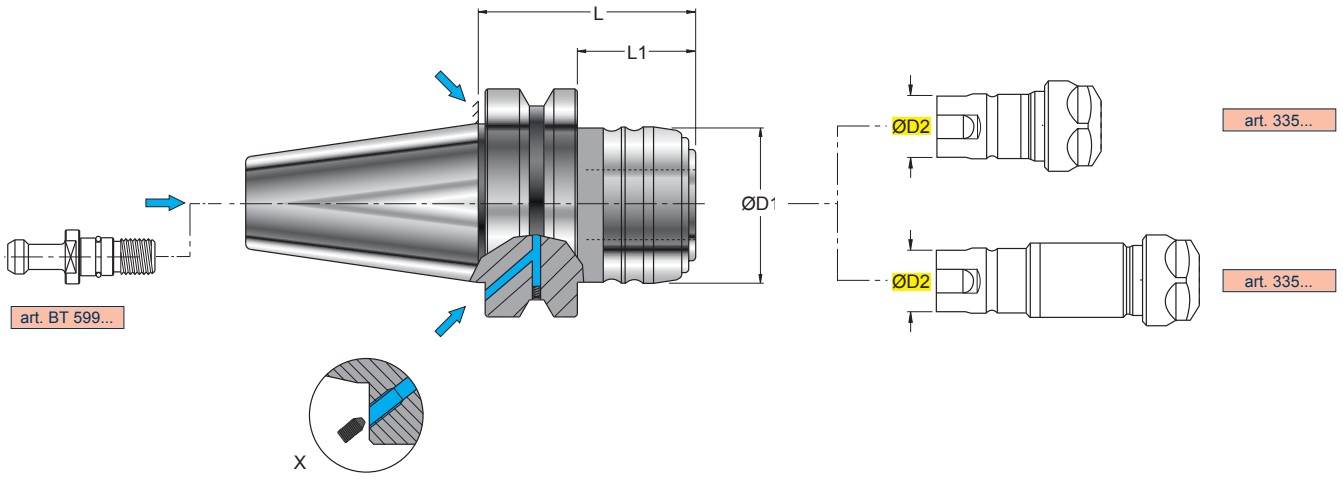


PORTA MASCHIO A CAMBIO RAPIDO PER MASCHIATURA SINCRONIZZATA
QUICK CHANGE TAP HOLDER FOR SYNCHRONIZED TAPPING
GEWINDESCHNEID-SCHNELLWECHSELFUTTER ZUM STARREN GEWINDESCHNEIDEN
APPAREIL PORTE-TARAUDS À CHANGEMENT RAPIDE POUR TARAUDAGE SYNCHRONISÉ

ART.		(mm) ØD1	ØD2	L	L1	Campo di maschiatura Tap range
MAS.A40.MS020.061	ISO40	43	20	61	34	M3-M12
MAS.A40.MS032.082	ISO40	60	32	82	55	M6-M20
MAS.A50.MS020.072	ISO50	43	20	72	34	M3-M12
MAS.A50.MS032.093	ISO50	60	32	93	55	M6-M20

PAG. H 54

ART. MAS.B.. MS..
MAS 403 BT/AD-B

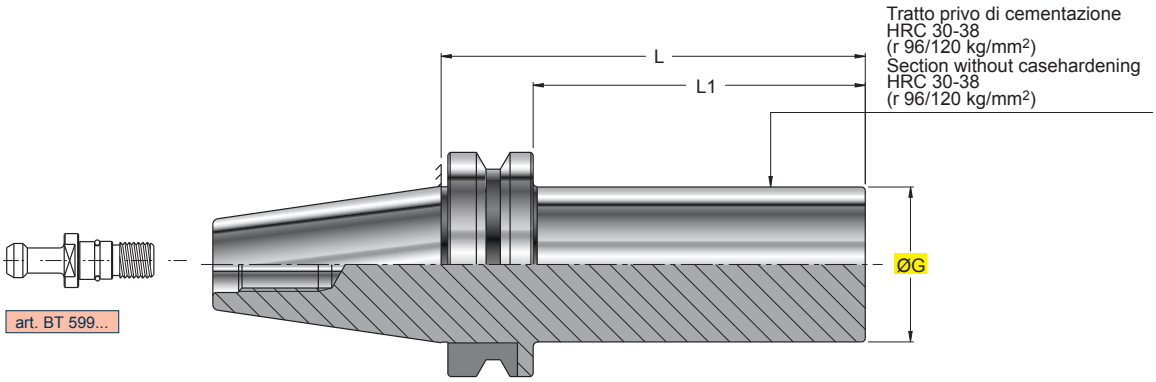


PORTA MASCHIO A CAMBIO RAPIDO PER MASCHIATURA SINCRONIZZATA
QUICK CHANGE TAP HOLDER FOR SYNCHRONIZED TAPPING
GEWINDESCHNEID-SCHNELLWECHSELFUTTER ZUM STARREN GEWINDESCHNEIDEN
APPAREIL PORTE-TARAUDS À CHANGEMENT RAPIDE POUR TARAUDAGE SYNCHRONISÉ

ART.		(mm) ØD1	ØD2	L	L1	Campo di maschiatura Tap range
MAS.B40.MS020.061	ISO40	43	20	61	34	M3-M12
MAS.B40.MS032.082	ISO40	60	32	82	55	M6-M20
MAS.B50.MS020.072	ISO50	43	20	72	34	M3-M12
MAS.B50.MS032.093	ISO50	60	32	93	55	M6-M20
MAS.B50.MS050.124	ISO50	87	50	124	86	M14-M33

PAG. H 54

ART. MAS.A.. SF..
MAS 403 BT/A



BARRA CON CONO FINITO E STELO TENERO
BORING BARS WITH FINISHED TAPER AND BLANK SCHAFT
ROHLINGE
BARRE AVEC CONE FINI ET BOUT DOUX

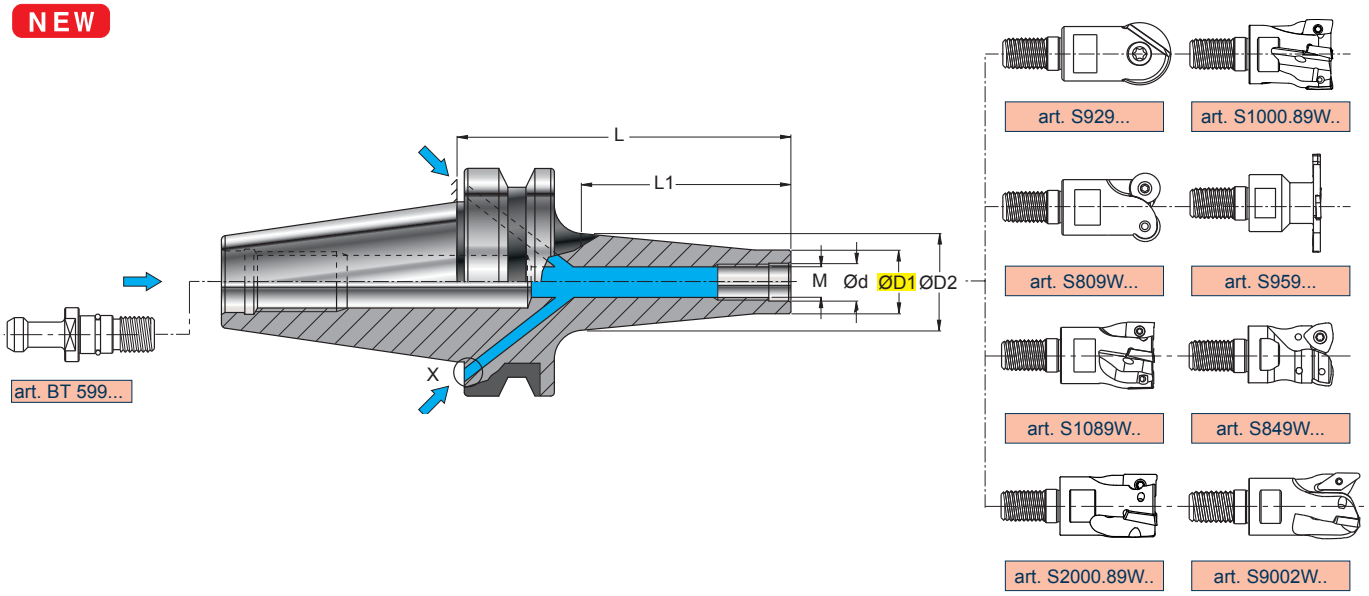
ART.		(mm) ØG	L	L1
MAS.A40.SF040.277	ISO40	40	277	250
MAS.A40.SF063.177	ISO40	63	177	150
MAS.A40.SF063.277	ISO40	63	277	250
MAS.A50.SF063.188	ISO50	63	188	150
MAS.A50.SF100.288	ISO50	100	288	250
MAS.A50.SF100.438	ISO50	100	438	400

PAG. H 54

SAU QUALITY TOOLS ENGINEERING

ART. MAS.B.. MD..
MAS 403 BT/AD-B

NEW



PORTAFRESA CON ATTACCO MODULARE- FILETTATO
CUTTER-HOLDER WITH MODULAR THREADED CONNECTION
FRÄSERAUFNAHME MIT MODULAR-GEWINDEAUFNAHME
MANDRIN PORTE-FRAISE AVEC ATTACHEMENT MODULAIRE FILETÉ

0,005

EQUILIBRATO BALANCED
G6,3 15000 min^{-1}

ART.		(mm) M	Ød	ØD1	ØD2	L	L1
MAS.B40.MD008.086	ISO40	8	8,5	12,7	23	86	51
MAS.B40.MD008.106	ISO40	8	8,5	12,7	23	106	71
MAS.B40.MD010.066	ISO40	10	10,5	17,7	20	66	31
MAS.B40.MD010.086	ISO40	10	10,5	17,7	25	86	51
MAS.B40.MD010.106	ISO40	10	10,5	17,7	28	106	71
MAS.B40.MD010.126	ISO40	10	10,5	17,7	28	126	91
MAS.B40.MD012.066	ISO40	12	12,5	20,7	24	66	31
MAS.B40.MD012.086	ISO40	12	12,5	20,7	24	86	51
MAS.B40.MD012.106	ISO40	12	12,5	20,7	31	106	71
MAS.B40.MD012.126	ISO40	12	12,5	20,7	31	126	91
MAS.B40.MD016.066	ISO40	16	17	28,7	34	66	31
MAS.B40.MD016.086	ISO40	16	17	28,7	34	86	51
MAS.B40.MD016.106	ISO40	16	17	28,7	34	106	71
MAS.B40.MD016.126	ISO40	16	17	28,7	34	126	91
MAS.B40.MD016.185	ISO40	16	17	28,7	34	185	150
MAS.B40.MD016.235	ISO40	16	17	28,7	34	235	200
MAS.B50.MD010.077	ISO50	10	10,5	17,7	20	77	31
MAS.B50.MD010.097	ISO50	10	10,5	17,7	25	97	51
MAS.B50.MD010.117	ISO50	10	10,5	17,7	28	117	71
MAS.B50.MD010.146	ISO50	10	10,5	17,7	31	146	100
MAS.B50.MD012.077	ISO50	12	12,5	20,7	24	77	31
MAS.B50.MD012.097	ISO50	12	12,5	20,7	24	97	51
MAS.B50.MD012.117	ISO50	12	12,5	20,7	31	117	71
MAS.B50.MD012.147	ISO50	12	12,5	20,7	31	147	101
MAS.B50.MD016.077	ISO50	16	17	28,7	29	77	31
MAS.B50.MD016.097	ISO50	16	17	28,7	34	97	51
MAS.B50.MD016.117	ISO50	16	17	28,7	34	117	71
MAS.B50.MD016.146	ISO50	16	17	28,7	41	146	100

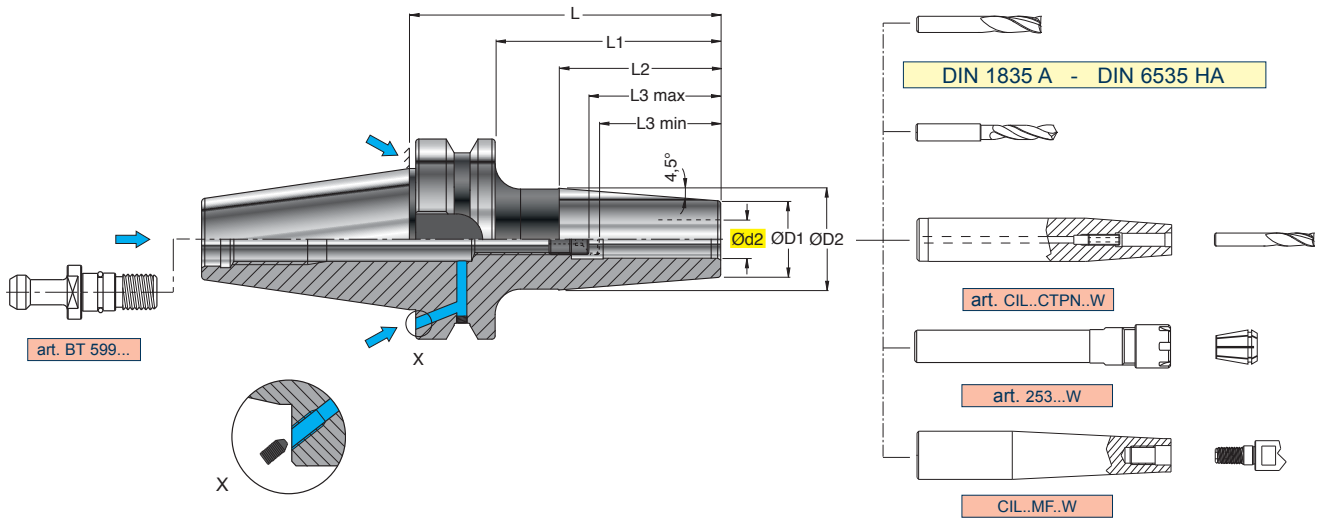
PAG. H 54

SAU QUALITY TOOLS ENGINEERING

ART. MAS.B.. CTN..
MAS 403 BT/AD-B

DIN 69882-8

NEW



MANDRINO A CALETTAMENTO TERMICO
SHRINKING-ON TAPER SHANKS
WERKZEUGAUFNAHMEN MIT SCHRUMPFVERBINDUNG
MANDRIN À EMBOÎTEMENT TERMIQUE

0,003

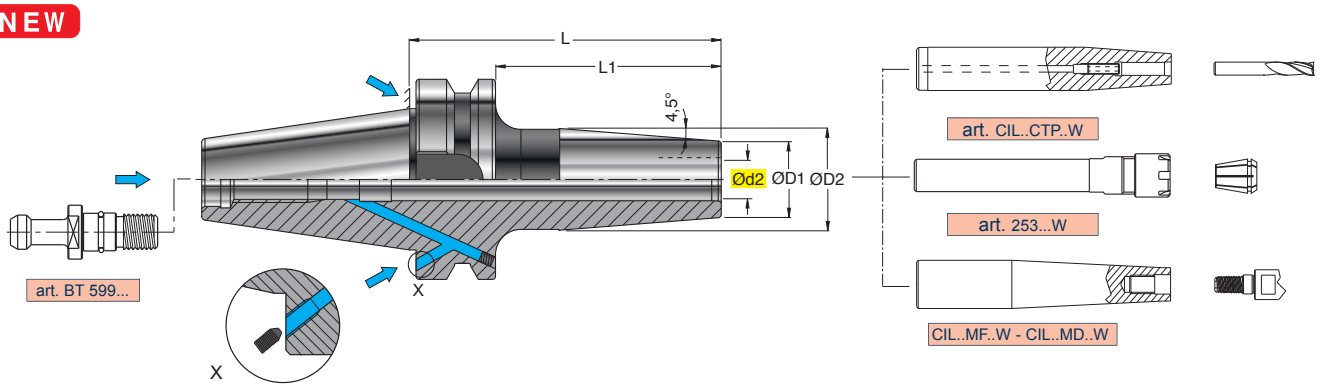
EQUILIBRATO
BALANCED
G 6,3 25000 min-1

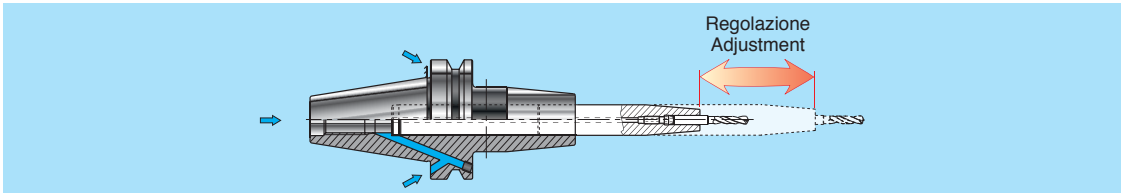
ART.		(mm) Ød2	ØD1	ØD2	L	L1	L2	L3 min	L3 max		
MAS.B40.CTN006.090	ISO40	6	21	27	90	63	–	26	36	GWR 05L	5025
MAS.B40.CTN006.120	ISO40	6	21	27	120	93	–	26	36		
MAS.B40.CTN006.160	ISO40	6	21	27	160	133	100	26	36		
MAS.B40.CTN008.090	ISO40	8	21	27	90	63	–	26	36	GWR 06L	5003
MAS.B40.CTN008.120	ISO40	8	21	27	120	93	–	26	36		
MAS.B40.CTN008.160	ISO40	8	21	27	160	133	100	26	36		
MAS.B40.CTN010.090	ISO40	10	24	32	90	63	–	31	41	GWR 08CTD	5004
MAS.B40.CTN010.120	ISO40	10	24	32	120	93	–	31	41		
MAS.B40.CTN010.160	ISO40	10	24	32	160	133	100	31	41		
MAS.B40.CTN012.090	ISO40	12	24	32	90	63	–	36	46	GWR 10CTD	5005
MAS.B40.CTN012.120	ISO40	12	24	32	120	93	–	36	46		
MAS.B40.CTN012.160	ISO40	12	24	32	160	133	100	36	46		
MAS.B40.CTN014.090	ISO40	14	27	34	90	63	–	36	46		
MAS.B40.CTN014.120	ISO40	14	27	34	120	93	–	36	46		
MAS.B40.CTN014.160	ISO40	14	27	34	160	133	100	36	46		
MAS.B40.CTN016.090	ISO40	16	27	34	90	63	–	39	49	GWR 12CTD	5006
MAS.B40.CTN016.120	ISO40	16	27	34	120	93	–	39	49		
MAS.B40.CTN016.160	ISO40	16	27	34	160	133	100	39	49		
MAS.B40.CTN018.090	ISO40	18	33	42	90	63	–	39	49		
MAS.B40.CTN018.120	ISO40	18	33	42	120	93	–	39	49		
MAS.B40.CTN018.160	ISO40	18	33	42	160	133	100	39	49		
MAS.B40.CTN020.090	ISO40	20	33	42	90	63	–	41	51	GWR 16CTD	5008
MAS.B40.CTN020.120	ISO40	20	33	42	120	93	–	41	51		
MAS.B40.CTN020.160	ISO40	20	33	42	160	133	100	41	51		
MAS.B40.CTN025.100	ISO40	25	44	53	100	73	–	47	57		
MAS.B50.CTN006.100	ISO50	6	21	27	100	62	–	26	36	GWR 05L	5025
MAS.B50.CTN006.160	ISO50	6	21	27	160	122	100	26	36		
MAS.B50.CTN008.100	ISO50	8	21	27	100	62	–	26	36	GWR 06L	5003
MAS.B50.CTN008.160	ISO50	8	21	27	160	122	100	26	36		
MAS.B50.CTN010.100	ISO50	10	24	32	100	62	–	31	41	GWR 08CTD	5004
MAS.B50.CTN010.160	ISO50	10	24	32	160	122	100	31	41		
MAS.B50.CTN012.100	ISO50	12	24	32	100	62	–	36	46	GWR 10CTD	5005
MAS.B50.CTN012.160	ISO50	12	24	32	160	122	100	36	46		
MAS.B50.CTN014.100	ISO50	14	27	34	100	62	–	36	46		
MAS.B50.CTN014.160	ISO50	14	27	34	160	122	100	36	46		
MAS.B50.CTN016.100	ISO50	16	27	34	100	62	–	39	49	GWR 12CTD	5006
MAS.B50.CTN016.160	ISO50	16	27	34	160	122	100	39	49		
MAS.B50.CTN018.100	ISO50	18	33	42	100	62	–	39	49		
MAS.B50.CTN018.160	ISO50	18	33	42	160	122	100	39	49		
MAS.B50.CTN020.120	ISO50	20	33	42	120	82	–	41	51	GWR 16CTD	5008
MAS.B50.CTN020.160	ISO50	20	33	42	160	122	100	41	51		
MAS.B50.CTN025.120	ISO50	25	44	53	120	82	–	47	57		
MAS.B50.CTN025.160	ISO50	25	44	53	160	122	100	47	57		
MAS.B50.CTN032.120	ISO50	32	44	53	120	82	–	51	61		
MAS.B50.CTN032.160	ISO50	32	44	53	160	122	100	51	61		

PAG. H 54-60

ART. MAS.B.. CTPN..
MAS 403 BT/AD-B

NEW





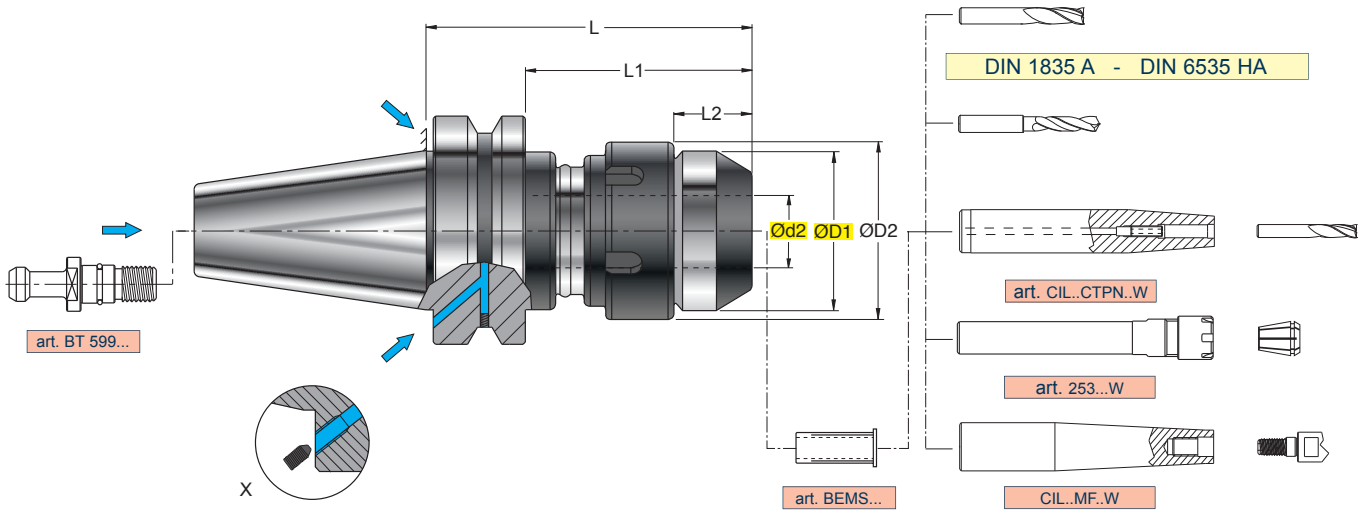
MANDRINO A CALETTAMENTO TERMICO PROLUNGABILE
EXTENSIBLE SHRINK FIT
VERLÄNGERBARES SCHRUMPFFUTTER
MANDRIN PROLONGEABLE À EMBOITEMENT THERMIQUE.

ART.		(mm) Ød2	ØD1	ØD2	L	L1
MAS.B40.CTPN16.090	ISO40	16	27	34	90	63
MAS.B40.CTPN25.100	ISO40	25	44	53	100	73
MAS.B50.CTPN16.130	ISO50	16	27	34	130	92
MAS.B50.CTPN25.130	ISO50	25	44	53	130	92
MAS.B50.CTPN32.130	ISO50	32	44	53	130	92

PAG. H 54-60

ART. MAS.B.. MFS..
MAS 403 BT/AD-B

PER GLI ANELLI DI TENUTA ANDARE A PAG F 133
SEE PAGE F 133 FOR THE SEALING RINGS
FÜR DICHTUNGSRINGE AUF SEITE F 133 GEHEN
POUR LES BAGUES D'ÉTANCHÉITÉ ALLER PAGE F 133



MANDRINO A FORTE SERRAGGIO
HIGH CLAMPING CHUCKS
KRAFTSPANNFUTTER
MANDRIN À FORT SERRAGE

0,003	Ød2 ≤ 20
0,004	Ød2 ≥ 25

EQUILIBRATO / BALANCED: G 2,5 20000 min-1

ART.	(mm) Ød2	ØD1	ØD2	L	L1	L2					
MAS.B40.MFS006.090	ISO40	6	26	32	90	63	11	–	RGMS006	–	927.027MS ESMS.010
MAS.B40.MFS008.090	ISO40	8	27	32	90	63	11	–	RGMS008	–	927.027MS ESMS.010
MAS.B40.MFS010.090	ISO40	10	32	37	90	63	13	–	RGMS010	–	927.032MS ESMS.010
MAS.B40.MFS012.090	ISO40	12	35	37	90	63	20	–	RGMS012	–	927.032MS ESMS.010
MAS.B40.MFS016.090	ISO40	16	40	44	90	63	21	–	RGMS016	–	927.039MS ESMS.010
MAS.B40.MFS020.090	ISO40	20	46	49	90	63	23	BEMS.20..	RGMS020	RGMSB020	927.044MS ESMS.010
MAS.B40.MFS020.150	ISO40	20	46	49	150	123	23	BEMS.20..			
MAS.B40.MFS025.089	ISO40	25	52	54	89	62	26	–	RGMS025	–	927.049MS ESMS.010
MAS.B40.MFS032.095	ISO40	32	67	68	95	68	33	BEMS.32..	RGMS032	RGMSB032	927.063MS ESMS.010
MAS.B40.MFS032.150	ISO40	32	67	68	150	123	33	BEMS.32..			
MAS.B50.MFS006.100	ISO50	6	26	32	100	62	11	–	RGMS006	–	927.027MS ESMS.010
MAS.B50.MFS008.100	ISO50	8	27	32	100	62	11	–	RGMS008	–	927.027MS ESMS.010
MAS.B50.MFS010.100	ISO50	10	32	37	100	62	13	–	RGMS010	–	927.032MS ESMS.010
MAS.B50.MFS012.100	ISO50	12	35	37	100	62	20	–	RGMS012	–	927.032MS ESMS.010
MAS.B50.MFS016.100	ISO50	16	40	44	100	62	21	–	RGMS016	–	927.039MS ESMS.010
MAS.B50.MFS020.100	ISO50	20	46	49	100	62	23	BEMS.20..	RGMS020	RGMSB020	927.044MS ESMS.010
MAS.B50.MFS020.150	ISO50	20	46	49	150	112	23	BEMS.20..			
MAS.B50.MFS025.110	ISO50	25	52	54	110	72	26	–	RGMS025	–	927.049MS ESMS.010
MAS.B50.MFS032.110	ISO50	32	67	68	110	72	33	BEMS.32..	RGMS032	RGMSB032	927.063MS ESMS.010
MAS.B50.MFS032.150	ISO50	32	67	68	150	112	33	BEMS.32..			

CARATTERISTICHE TECNICHE - TECHNICAL CHARACTERISTICS

1. Ridotte dimensioni di ingombro (lunghezza e diametro esterno) che consentono una migliore equilibratura (G 2,5 fino a 20000 rpm)
2. Aumento della rigidità del mandrino per una resa migliore in lavorazione
3. Perfetta centratura dell'utensile (0,003/0,004 mm) che determinano un incremento della durata degli inserti fino a raddoppiare la durata
4. Aumento della potenza di serraggio Max 800 Nm
5. Adatto anche per frese con attacco cilindrico, weldon, whistle notch e punte in metallo duro
6. Possibilità di registrazione assiale della posizione dell'utensile tramite una vite di registrazione a doppio esagono con bloccaggio della posizione scelta
7. Passaggio del lubrificante attraverso l'utensile fino a 100 bar

1. Reduced dimensions (length and external diameter) for a better balancing (G 2,5 till to 20000 rpm)
2. High rigidity of the chuck for a better performance
3. Perfect concentricity (0,003/0,004 mm) for an increase in toollife
4. Increase of tightening force Max 800 Nm
5. Suitable for endmills tools with cylindrical, weldon and whistle notch shank and for carbide drills
6. Axial adjustment of the tools holders through a double hexagon screw with locking on the chosen position
7. Coolant through the tool till 100 bar

PAG. H 54-61