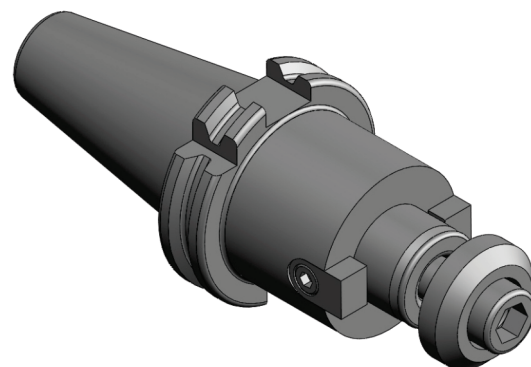
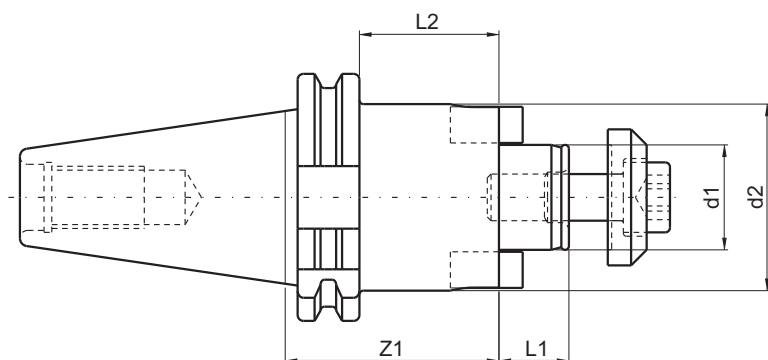
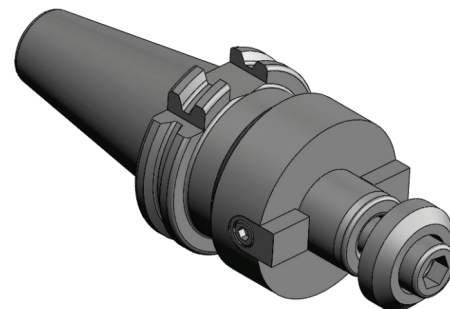
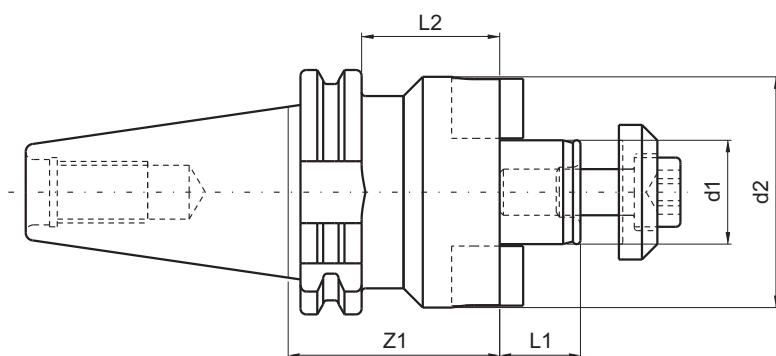


PORTA-FRESA DE FACEAR - FLANGE REDUZIDA
SHELL END MILL HOLDER - REDUCED FLANGE
ISO 3937


CÓDIGO/CODE	ISO	d1	d2	L1	L2	Z1
UBR40.0416	40	16	32	17	35.90	55
UBR40.0422	40	22	40	19	35.90	55
UBR40.0427	40	27	48	21	35.90	55
UBR40.0432	40	32	58	24	35.90	55
UBR40.0440	40	40	67	27	35.90	55
UBR50.0416	50	16	32	17	20.90	40
UBR50.0422	50	22	40	19	20.90	40
UBR50.0427	50	27	48	21	20.90	40
UBR50.0432	50	32	58	24	20.90	40
UBR50.0440	50	40	67	27	20.90	40

Exemplo para pedido / Ordering example: 01 pç - **UBR40.0427**

PORTA-FRESA DE FACEAR
SHELL END MILL HOLDER
ISO 3937


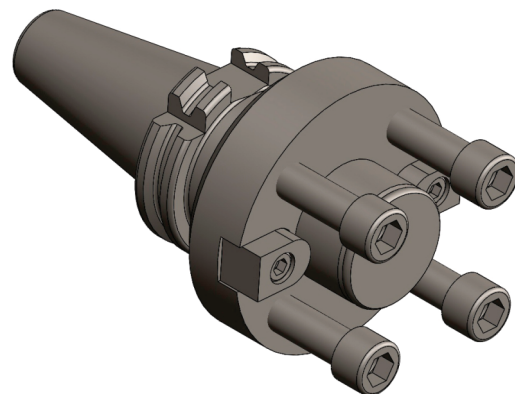
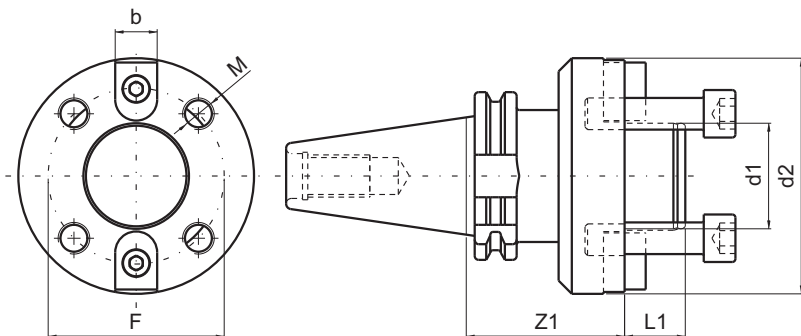
CÓDIGO/CODE	ISO	d1	d2	L1	L2	Z1
UBR40.1916	40	16	38	17	35.90	55
UBR40.1922	40	22	50	19	35.90	55
UBR40.1927	40	27	60	21	35.90	55
UBR40.1932	40	32	78	24	35.90	55
UBR40.1940	40	40	89	27	35.90	55
UBR50.1916	50	16	38	17	20.90	40
UBR50.1922	50	22	50	19	20.90	40
UBR50.1927	50	27	60	21	20.90	40
UBR50.1932	50	32	78	24	20.90	40
UBR50.1940	50	40	89	27	35.90	55

Exemplo para pedido / Ordering example: 01 pç - **UBR40.1927**

- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.
- Sem refrigeração / Without coolant supply.

PORTA-FRESA DE FACEAR
FACE MILL HOLDER

DIN 6357

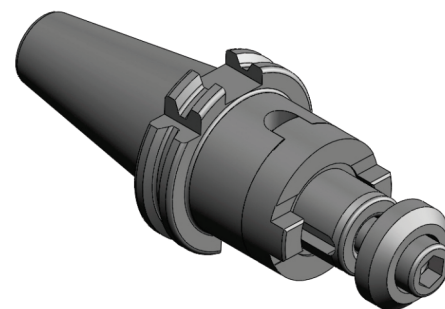
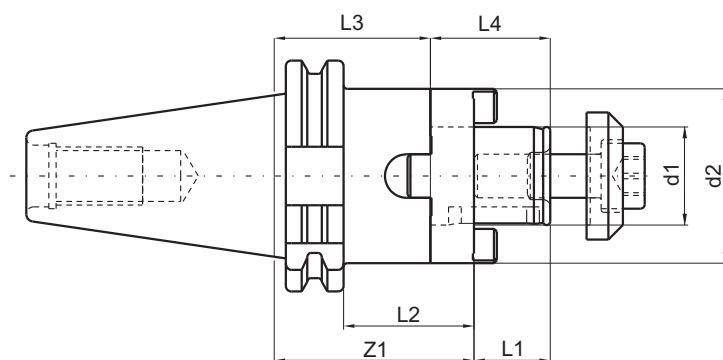


CÓDIGO/CODE	ISO	b	d1	d2	F	L1	M	Z1
UBR40.2440	40	15.90	40	89	66.70	30	M12	60
UBR50.2440	50	15.90	40	89	66.70	30	M12	60
UBR50.2460	50	25.40	60	129	101.60	40	M16	70

Exemplo para pedido / Ordering example: 01 pc - **UBR50.2460**

PORTA-FRESA COMBINADO
SHELL END MILL HOLDER - COMBI

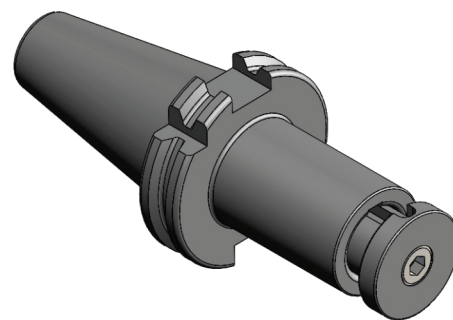
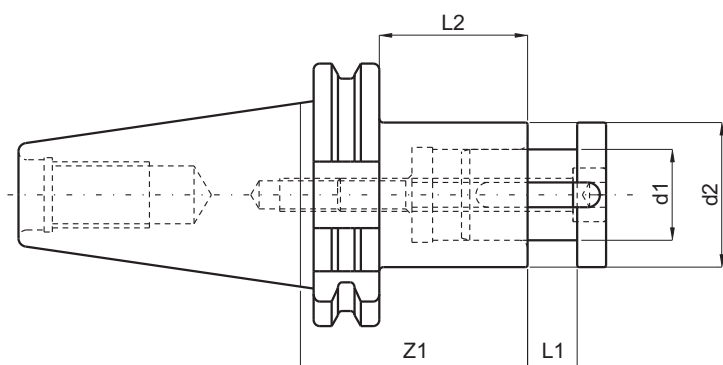
DIN 6358



CÓDIGO/CODE	ISO	d1	d2	L1	L2	L3	L4	Z1
UBR40.1416	40	16	32	17	35.90	45	27	55
UBR40.1422	40	22	40	19	35.90	43	31	55
UBR40.1427	40	27	48	21	35.90	43	33	55
UBR40.1432	40	32	58	24	40.90	46	38	60
UBR40.1440	40	40	70	27	40.90	46	41	60
UBR50.1416	50	16	32	17	35.90	45	27	55
UBR50.1422	50	22	40	19	35.90	43	31	55
UBR50.1427	50	27	48	21	35.90	43	33	55
UBR50.1432	50	32	58	24	35.90	41	38	55
UBR50.1440	50	40	70	27	35.90	41	41	55
UBR50.1450	50	50	90	30	50.90	54	46	70

Exemplo para pedido / Ordering example: 01 pc - **UBR40.1427**

- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.
- Sem refrigeração / Without coolant supply.

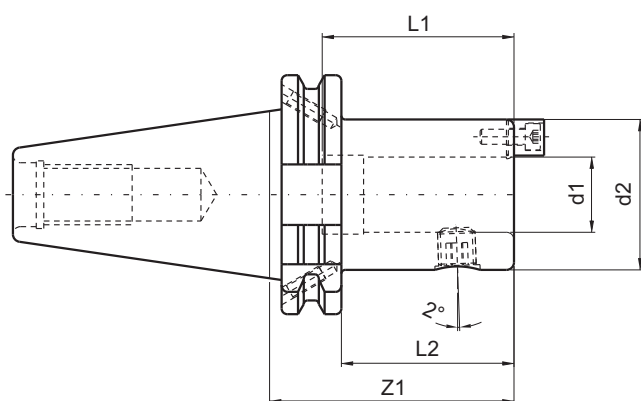
PORTA-FRESA DE DISCO TIPO PISTÃO
SLOTING CUTTERS HOLDER PISTON TYPE


CÓDIGO/CODE	ISO	d1	d2	L1	L2	Z1
UBR40.4416	40	16	32	0-10	50.90	70
UBR40.4422	40	22	40	0-12	50.90	70
UBR40.4427	40	27	48	0-15	55.90	75
UBR40.4432	40	32	58	0-24	70.90	90
UBR40.4440	40	40	70	0-30	95.90	115
UBR50.4416	50	16	32	0-10	60.90	80
UBR50.4422	50	22	40	0-12	60.90	80
UBR50.4427	50	27	48	0-15	65.90	85
UBR50.4432	50	32	58	0-24	80.90	100
UBR50.4440	50	40	70	0-30	100.90	120

Exemplo para pedido / Ordering example: 01 pc - **UBR40.4427**

PORTA-FERRAMENTA / TOOL HOLDER

DIN 69871 AD+B

PORTA-BROCAS PARA HASTE COROMANT WHISTLE NOTCH
DRILL HOLDER FOR COROMANT WHISTLE NOTCH SHANK


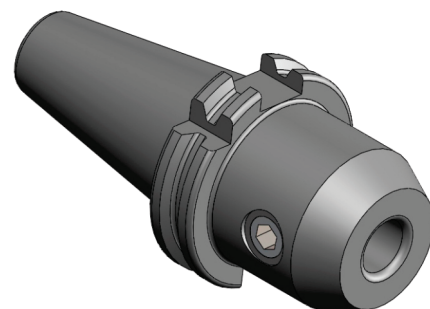
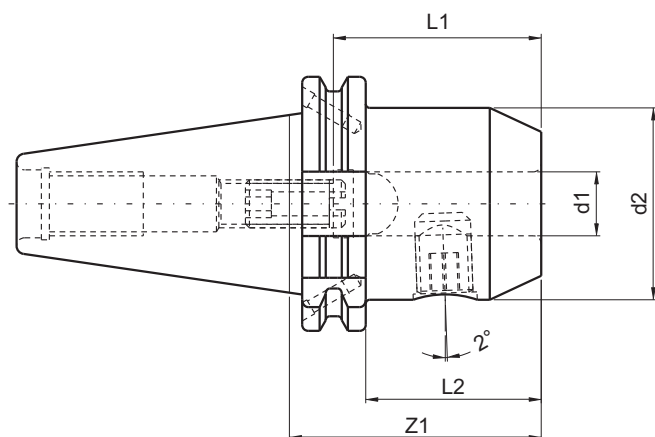
CÓDIGO/CODE	ISO	d1	d2	L1	L2	Z1
UBR42.0120	40	20	40	51	45.90	65
UBR42.0125	40	25	50	56	50.90	70
UBR42.0132	40	32	63	60	55.90	75
UBR52.0120	50	20	40	51	45.90	65
UBR52.0125	50	25	50	56	50.90	70
UBR52.0132	50	32	63	60	55.90	75
UBR52.0140	50	40	72	70	60.90	80

Exemplo para pedido / Ordering example: 01 pc - **UBR42.0132**

- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.
- Sem refrigeração / Without coolant supply.

PORTA FERRAMENTA FIXAÇÃO LATERAL DIN 1835-E - WHISTLE NOTCH
SIDE LOCK END MILL HOLDER DIN 1835-E - WHISTLE NOTCH

DIN 6359-E



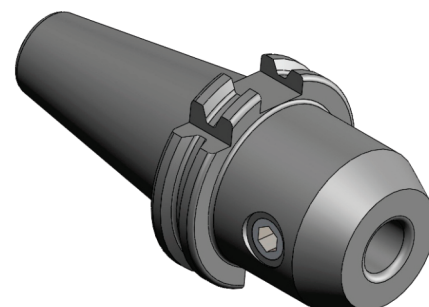
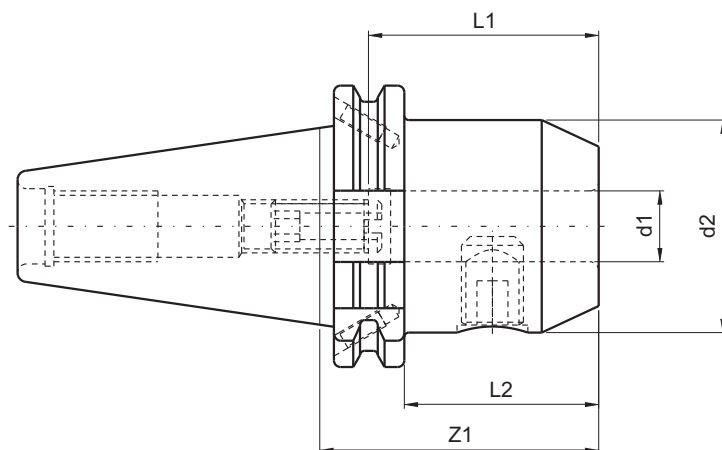
CÓDIGO/CODE	ISO	d1	d2	L1	L2	Z1
UBR42.0206	40	6	25	40	30.90	50
UBR42.0208	40	8	28	40	30.90	50
UBR42.0210	40	10	35	44	30.90	50
UBR42.0212	40	12	42	49	30.90	50
UBR42.0214	40	14	44	49	30.90	50
UBR42.0216	40	16	48	52	43.90	63
UBR42.0218	40	18	50	52	43.90	63
UBR42.0220	40	20	50	54	43.90	63
UBR42.0225	40	25	65	59	-	100
UBR42.0232	40	32	68	63	-	100
UBR42.0240	40	40	80	73	-	115
UBR52.0206	50	6	25	40	43.90	63
UBR52.0208	50	8	28	40	43.90	63
UBR52.0210	50	10	35	44	43.90	63
UBR52.0212	50	12	42	49	43.90	63
UBR52.0214	50	14	44	49	43.90	63
UBR52.0216	50	16	48	52	43.90	63
UBR52.0218	50	18	50	52	43.90	63
UBR52.0220	50	20	50	54	43.90	63
UBR52.0225	50	25	65	59	60.90	80
UBR52.0232	50	32	68	63	80.90	100
UBR52.0240	50	40	80	73	90.90	110

Exemplo para pedido / Ordering example: 01 pç - **UBR42.0210**

- d1 > 25 - 02 parafusos de fixação
d1 > 25 - 02 screws
- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.
- Com passagem interna de fluido refrigerante.
Internal coolant supply.

PORTA FERRAMENTA FIXAÇÃO LATERAL DIN 1835-B - WELDON
SIDE LOCK END MILL HOLDER DIN 1835-B - WELDON

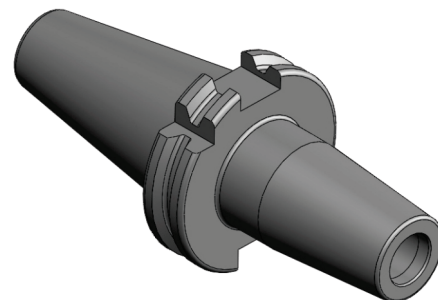
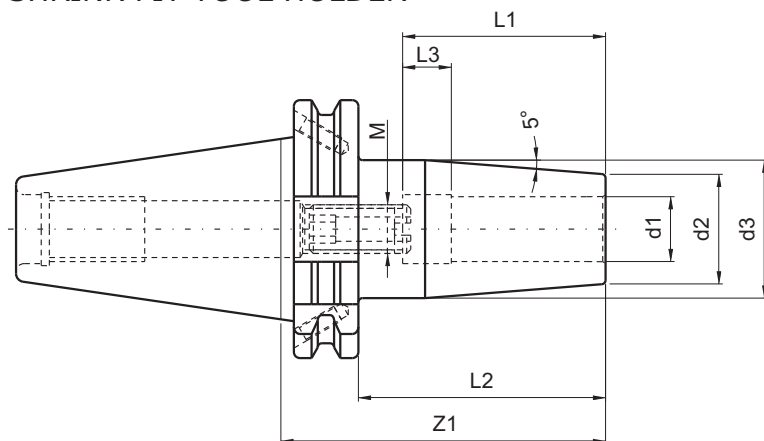
DIN 6359-B



CÓDIGO / CODE	ISO	d1	d2	L1	L2	Z1
UBR42.0006	40	6	25	40	30.90	50
UBR42.0008	40	8	28	40	30.90	50
UBR42.0010	40	10	35	44	30.90	50
UBR42.0012	40	12	42	49	30.90	50
UBR42.0014	40	14	44	49	30.90	50
UBR42.0016	40	16	48	52	43.90	63
UBR42.0018	40	18	50	52	43.90	63
UBR42.0020	40	20	50	54	43.90	63
UBR42.0025	40	25	65	59	-	100
UBR42.0032	40	32	68	63	-	100
UBR42.0040	40	40	80	73	-	115
UBR52.0006	50	6	25	40	43.90	63
UBR52.0008	50	8	28	40	43.90	63
UBR52.0010	50	10	35	44	43.90	63
UBR52.0012	50	12	42	49	43.90	63
UBR52.0014	50	14	44	49	43.90	63
UBR52.0016	50	16	48	52	43.90	63
UBR52.0018	50	18	50	52	43.90	63
UBR52.0020	50	20	50	54	43.90	63
UBR52.0025	50	25	65	59	60.90	80
UBR52.0032	50	32	68	63	80.90	100
UBR52.0040	50	40	80	73	90.90	110

Exemplo para pedido / Ordering example: 01 pç - **UBR42.0010**

- d1 > 25 - 02 parafusos de fixação
d1 > 25 - 02 screws
- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.
- Com passagem interna de fluido refrigerante.
Internal coolant supply.

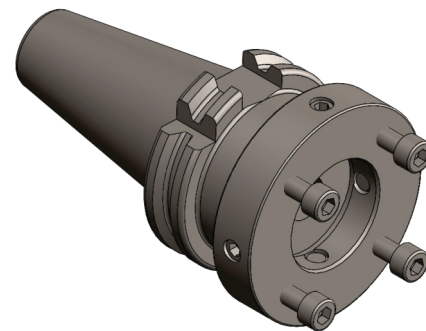
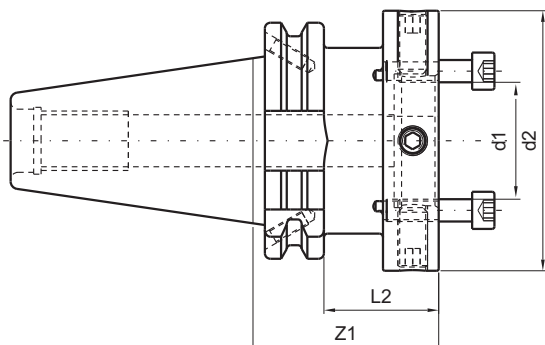
PORTA FERRAMENTA FIXAÇÃO TÉRMICA
SHRINK FIT TOOL HOLDER


CÓDIGO/CODE	ISO	M	d1	d2	d3	L1	L2	L3	Z1
UBR42.4006	40	M5	6	21	27	36	60.90	10	80
UBR42.4008	40	M6	8	21	27	36	60.90	10	80
UBR42.4010	40	M8	10	24	32	42	60.90	10	80
UBR42.4012	40	M8	12	24	32	47	60.90	10	80
UBR42.4014	40	M8	14	27	34	47	60.90	10	80
UBR42.4016	40	M12	16	27	34	50	60.90	10	80
UBR42.4018	40	M12	18	33	42	50	60.90	10	80
UBR42.4020	40	M16	20	33	42	52	60.90	10	80
UBR42.4025	40	M16	25	44	53	58	80.90	10	100
UBR52.4006	50	M5	6	21	27	36	60.90	10	80
UBR52.4008	50	M6	8	21	27	36	60.90	10	80
UBR52.4010	50	M8	10	24	32	42	60.90	10	80
UBR52.4012	50	M8	12	24	32	47	60.90	10	80
UBR52.4014	50	M8	14	27	34	47	60.90	10	80
UBR52.4016	50	M12	16	27	34	50	60.90	10	80
UBR52.4018	50	M12	18	33	42	50	60.90	10	80
UBR52.4020	50	M16	20	33	42	52	60.90	10	80
UBR52.4025	50	M16	25	44	53	58	80.90	10	100
UBR52.4032	50	M16	32	44	53	61	80.90	10	100

Exemplo para pedido / Ordering example: 01 pc - **UBR42.4010**

- Utilizado para ferramentas com haste cilíndrica tolerância h4.
Used for cutting tools with cylindrical shank tolerance h4.
- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.
- Com passagem interna de fluido refrigerante.
Internal coolant supply.

PORTA FERRAMENTA PARA FLANGE DE CENTRAGEM E ALINHAMENTO (FLANGE MONTAGEM)
FLANGE CENTERING AND ALIGNMENT TOOL HOLDER (FLANGE MOUNTS)

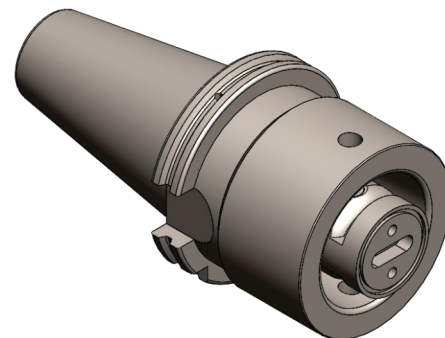
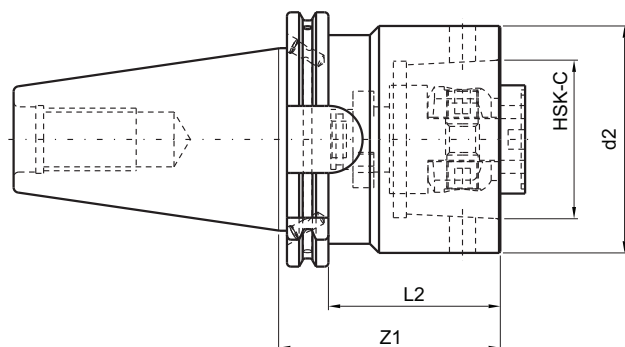


CÓDIGO/CODE	ISO	d1	d2	L2	Z1
UBR42.9761	40	30	60	30.90	50
UBR42.9762	40	35	70	-	50
UBR42.9763	40	40	80	-	55
UBR42.9764	40	50	100	-	60
UBR52.9761	50	30	60	30.90	50
UBR52.9762	50	35	70	30.90	50
UBR52.9763	50	40	80	30.90	50
UBR52.9764	50	50	100	-	60
UBR52.9765	50	60	117	-	60
UBR52.9766	50	80	140	-	60

Exemplo para pedido / Ordering example: 01 pç - **UBR42.9763**

- Permite ajuste axial e radial / With axial and radial adjustment

PORTA FERRAMENTA COM ADAPTAÇÃO HSK - FIXAÇÃO MANUAL HSK-C
TOOL HOLDER FOR HSK ADAPTATION - CLAMPING MANUAL

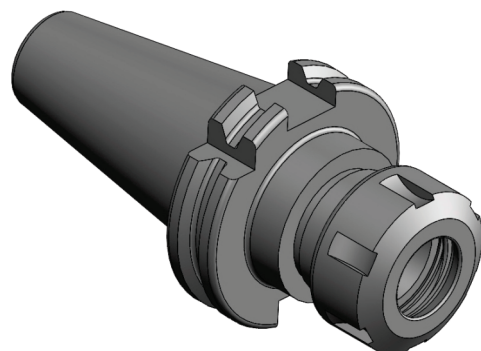
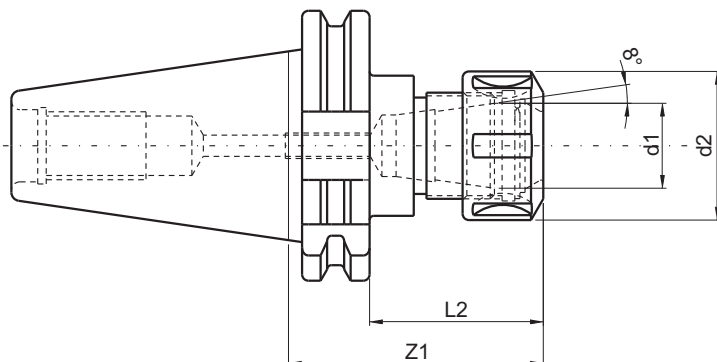


CÓDIGO/CODE	ISO	HSK-C	d2	L2	Z1
UBR42.9832	40	32	37	35.90	55
UBR42.9840	40	40	45	40.90	60
UBR42.9850	40	50	55	45.90	65
UBR42.9863	40	63	70	-	75
UBR52.9832	50	32	37	35.90	55
UBR52.9840	50	40	45	40.90	60
UBR52.9850	50	50	55	45.90	65
UBR52.9863	50	63	70	55.90	75
UBR52.9880	50	80	87	65.90	85

Exemplo para pedido / Ordering example: 01 pç - **UBR42.9850**

- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.
- Com passagem interna de fluido refrigerante.
Internal coolant supply.

PORTA-PINÇA
COLLET CHUCK HOLDER

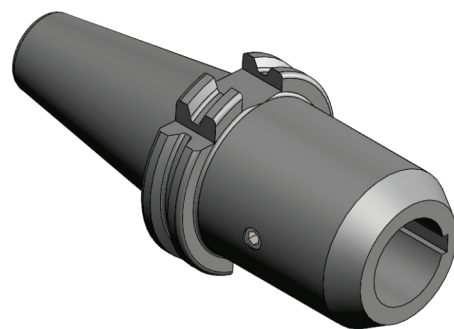
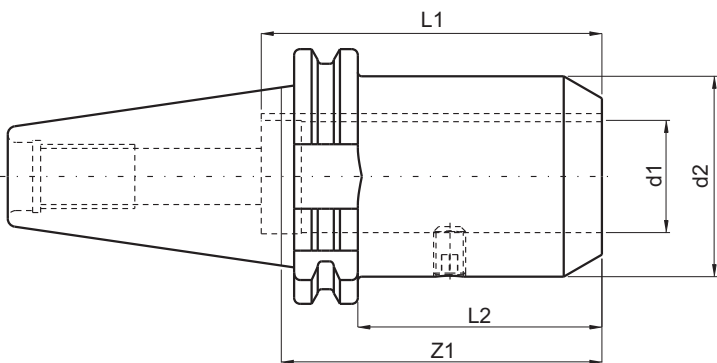
DIN ISO 15488
(DIN 6499)


CÓDIGO/CODE	ISO	PINÇA/COLLET	Capacidade/Range		d1	d2	L2	Z1
			Forma A Form A	Forma B Form B				
UBR41.2316	40	16	1-10	1-10	16	28	40.90	60
UBR41.2320	40	20	1-13	1-13	20	35	40.90	60
UBR41.2325	40	25	1-16	2-16	25	42	40.90	60
UBR41.2332	40	32	2-20	3-20	32	50	50.90	70
UBR41.2340	40	40	3-26	4-26	40	63	50.90	70
UBR51.2316	50	16	1-10	1-10	16	28	40.90	60
UBR51.2320	50	20	1-13	1-13	20	35	40.90	60
UBR51.2325	50	25	1-16	2-16	25	42	40.90	60
UBR51.2332	50	32	2-20	3-20	32	50	50.90	70
UBR51.2340	50	40	3-26	4-26	40	63	60.90	80

Exemplo para pedido / Ordering example: 01 pç - **UBR41.2325**

PORTA ADAPTADOR REGULÁVEL PARA HASTE DIN 6327
AUTOMOTIVE TYPE HOLDER FOR SHANK DIN 6327

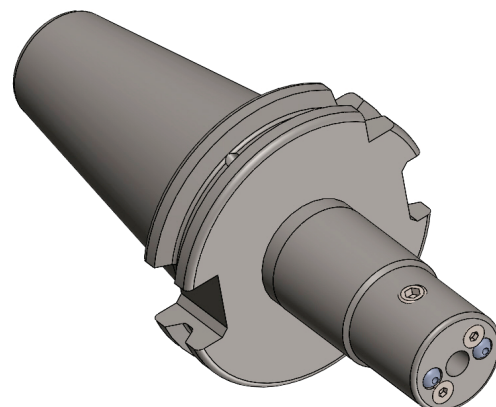
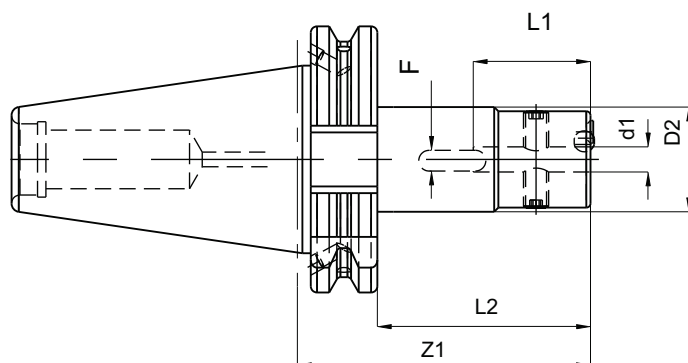
DIN 55058



CÓDIGO/CODE	ISO	d1	d2	L1	L2	Z1
UBR41.0816	40	16	30	75	40.90	60
UBR41.0820	40	20	40	78	45.90	65
UBR41.0828	40	28	50	85	60.90	80
UBR41.0836	40	36	63	106	100.90	120
UBR51.0816	50	16	30	75	40.90	60
UBR51.0820	50	20	40	78	45.90	65
UBR51.0828	50	28	50	85	60.90	80
UBR51.0836	50	36	63	106	70.90	90
UBR51.0848	50	48	80	129	80.90	100

Exemplo para pedido / Ordering example: 01 pç - **UBR41.0828**

- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.
- Com passagem interna de fluido refrigerante.
Internal coolant supply.

PORTA-MACHO RIGIDO
RIGID TAPPING CHUCK


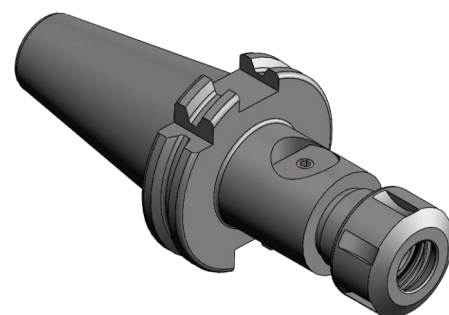
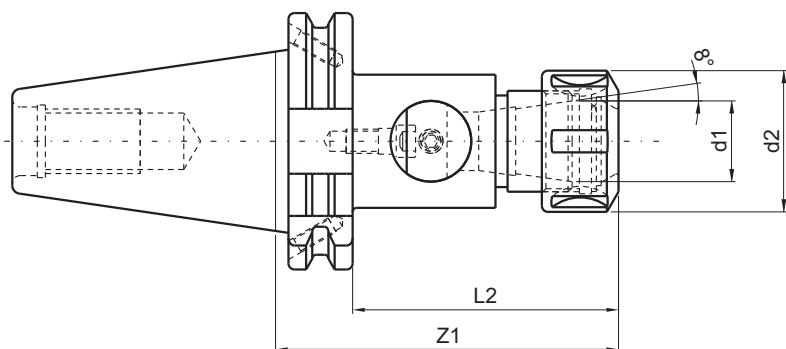
CÓDIGO/COE	ISO	M	d1	d2	F	L1	L2	Z1
UBR42.1204	40	M3.5	4	25	3	20	35.9	55
UBR42.1245	40	M4-M6	4.5	25	3.4	20	35.9	55
UBR42.1255	40	M7	5.5	25	4.3	25	50.9	70
UBR42.1206	40	M6-M8	6	25	4.9	28	50.9	70
UBR42.1207	40	M7-M9-M10	7	28	5.5	28	50.9	70
UBR42.1208	40	M8-M11	8	28	6.2	28	50.9	70
UBR42.1209	40	M9-M12	9	35	7.0	29	50.9	70
UBR42.1210	40	M10	10	35	8.0	32	60.9	80
UBR42.1211	40	M14	11	42	9	36	65.9	85
UBR42.1212	40	M15-M16	12	42	9	36	60.9	80
UBR42.1214	40	M18	14	44	11	40	68.9	88
UBR42.1216	40	M20	16	48	12	45	72.9	92
UBR52.1204	50	M3.5	4	25	3	20	35.9	55
UBR52.1245	50	M4-M6	4.5	25	3.4	20	35.9	55
UBR52.1255	50	M7	5.5	25	4.3	25	50.9	70
UBR52.1206	50	M6-M8	6	25	4.9	28	50.9	70
UBR52.1207	50	M7-M9-M10	7	28	5.5	28	50.9	70
UBR52.1208	50	M8-M11	8	28	6.2	28	50.9	70
UBR52.1209	50	M9-M12	9	35	7.0	29	50.9	70
UBR52.1210	50	M10	10	35	8.0	32	60.9	80
UBR52.1211	50	M14	11	42	9	36	65.9	85
UBR52.1212	50	M15-M16	12	42	9	36	60.9	80
UBR52.1214	50	M18	14	44	11	40	68.9	88
UBR52.1216	50	M20	16	48	12	45	72.9	92
UBR52.1218	50	M22-M24	18	50	14.50	45	75.9	95

Exemplo para pedido / Ordering example: 01 pç - **UBR42.1255**

- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.
- Com passagem interna de fluido refrigerante.
Internal coolant supply.

PORTA-MACHO RÍGIDO PARA ROSQUEAMENTO SINCRONIZADO COM PINÇA ER
RIGID TAPPING CHUCK FOR SYNCHRONISED FEED WITH ER COLLET

DIN 6499

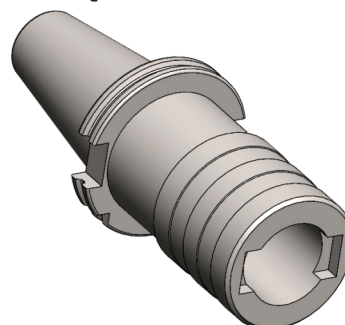
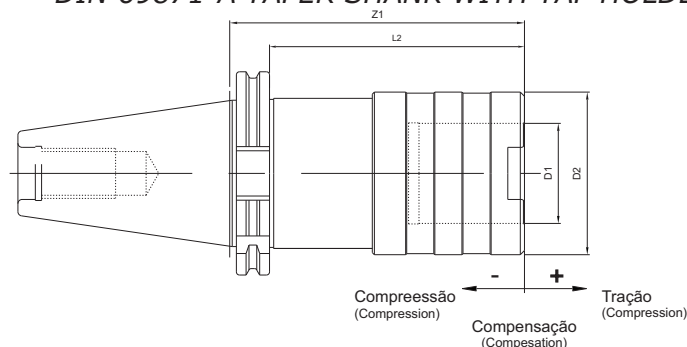


CÓDIGO/CODE	ISO	Pinça/Collet	Capacidade/Range	d1	d2	L2	Z1
UBR42.2216	40	ER-16	M3-M12	16	28	60.90	80
UBR42.2220	40	ER-20	M5-M16	20	35	65.90	85
UBR42.2225	40	ER-25	M5-M20	25	42	70.90	90
UBR42.2232	40	ER-32	M8-M27	32	50	80.90	100
UBR42.2240	40	ER-40	M12-M33	40	63	-	125
UBR52.2216	50	ER-16	M3-M12	16	28	60.90	80
UBR52.2220	50	ER-20	M5-M16	20	35	65.90	85
UBR52.2225	50	ER-25	M5-M20	25	42	70.90	90
UBR52.2232	50	ER-32	M8-M27	32	50	80.90	100
UBR52.2240	50	ER-40	M12-M33	40	63	105.90	125

Exemplo para pedido / Ordering example: 01 pç - **UBR42.2225**

CONE DIN 69871-A COM ADAPTAÇÃO PORTA-MACHO TROCA RÁPIDA COM COMPENSAÇÃO
DIN 69871-A TAPER SHANK WITH TAP HOLDER ADAPTATION QUICK CHANGER WITHA COMPENSATION

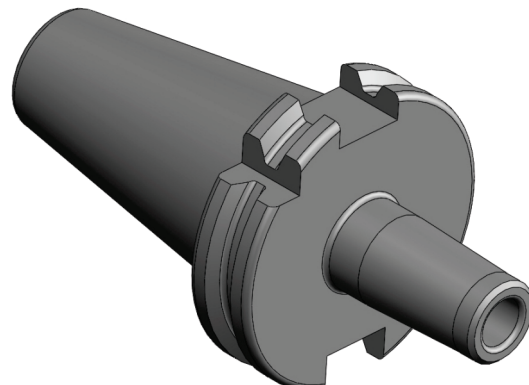
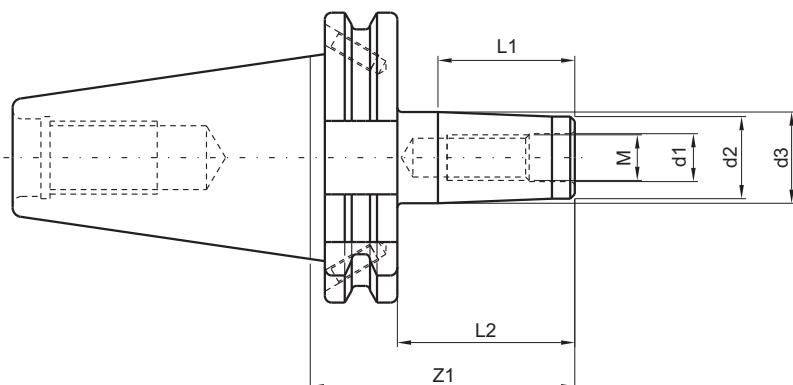
DIN 6499



CÓDIGO/CODE	ISO	Machos/Tapes	Tamanho Size	-	+	L2	Z1	D1	D2	Pinça
UBR40.3139	40	ME-M12	01	7.5	7.5	40.9	60	19	36	UBR109.39...
UBR40.3148	40	M8-M20	02	12.5	12.5	77.9	97	31	53	UBR109.48...
UBR40.3158	40	M14-M33	03	20	20	129.9	149	48	78	UBR109.58...
UBR50.3139	50	ME-M12	01	7.5	7.5	42.9	62	19	36	UBR109.39...
UBR50.3148	50	M8-M20	02	12.5	12.5	65.4	84.5	31	53	UBR109.48...
UBR50.3158	50	M14-M33	03	20	20	122.3	141.4	48	48	UBR109.58...
UBR50.31108	50	M22-M48	04	22.5	22.5	132.90	152	60	96	UBR109.311...

Exemplo para pedido / Ordering example: 01 pç - **UBR40.3139**

- Para macho com refrigeração interna, utilizar porca selada, pág. _____.
- For taps with internal coolant through, should be used sealed nut. pag. _____.
- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.
- Com passagem interna de fluido refrigerante.
Internal coolant supply.

PORTA FERRAMENTA COM ADAPTAÇÃO PARA ACOPLAMENTO ROSCADO
TOOL HOLDER FOR SCREW-ON ADAPTERS


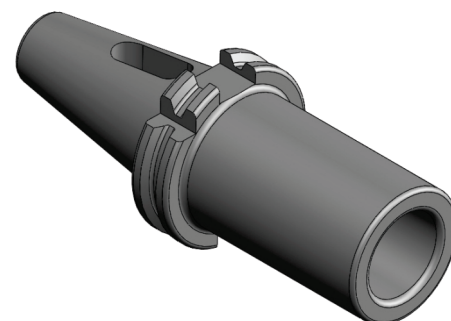
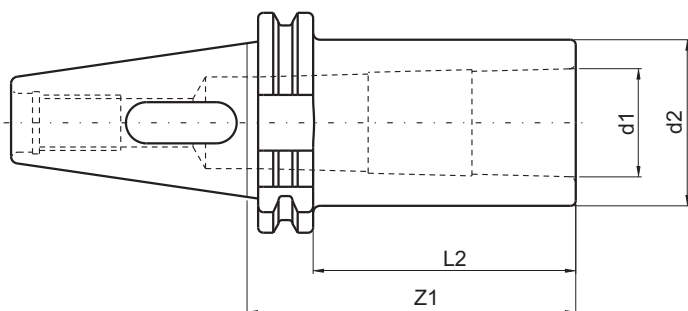
CÓDIGO/CODE	ISO	M	d1	d2	d3	L1	L2	Z1
UBR42.9906	40	M6	6.50	9.80	13	30	38.90	58
UBR42.9906-078	40	M6	6.50	9.80	20	50	58.90	78
UBR42.9906-098	40	M6	6.50	9.80	23	70	78.90	98
UBR42.9908	40	M8	8.50	13	15	30	38.90	58
UBR42.9908-078	40	M8	8.50	13	23	50	58.90	78
UBR42.9908-098	40	M8	8.50	13	29	70	78.90	98
UBR42.9910	40	M10	10.50	18	20	30	38.90	58
UBR42.9910-078	40	M10	10.50	18	25	50	58.90	78
UBR42.9910-098	40	M10	10.50	18	28	70	78.90	98
UBR42.9912	40	M12	12.50	21	24	30	38.90	58
UBR42.9912-078	40	M12	12.50	21	24	50	58.90	78
UBR42.9912-098	40	M12	12.50	21	31	70	78.90	98
UBR42.9912-118	40	M12	12.50	21	31	90	98.90	118
UBR42.9916	40	M16	17	29	34	30	38.90	58
UBR42.9916-078	40	M16	17	29	34	50	58.90	78
UBR42.9916-098	40	M16	17	29	34	70	78.90	98
UBR42.9916-118	40	M16	17	29	39	90	98.90	118
UBR52.9908	50	M8	8.50	13	23	60	67.90	87
UBR52.9908-107	50	M8	8.50	13	29	80	87.90	107
UBR52.9908-137	50	M8	8.50	13	29	110	117.90	137
UBR52.9910	50	M10	10.50	18	25	60	67.90	87
UBR52.9910-107	50	M10	10.50	18	28	80	87.90	107
UBR52.9910-137	50	M10	10.50	18	32	110	117.90	137
UBR52.9912	50	M12	12.50	21	24	60	67.90	87
UBR52.9912-137	50	M12	12.50	21	31	110	117.90	137
UBR52.9912-187	50	M12	12.50	21	31	160	167.90	187
UBR52.9912-237	50	M12	12.50	21	39	210	217.90	237
UBR52.9916	50	M16	17	29	34	60	67.90	87
UBR52.9916-137	50	M16	17	29	34	110	117.90	137
UBR52.9916-187	50	M16	17	29	39	160	167.90	187
UBR52.9916-237	50	M16	17	29	49	210	217.90	237

Exemplo para pedido / Ordering example: 01 pc - **UBR42.9906-098**

- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.
- Com passagem interna de fluido refrigerante.
Internal coolant supply.

PORTA FERRAMENTA PARA ADAPTAÇÃO CONE MORSE DIN 228 - FORMA D
TOOL HOLDER FOR MORSE TAPER ADAPTATION DIN 228 - FORM D

DIN 6383



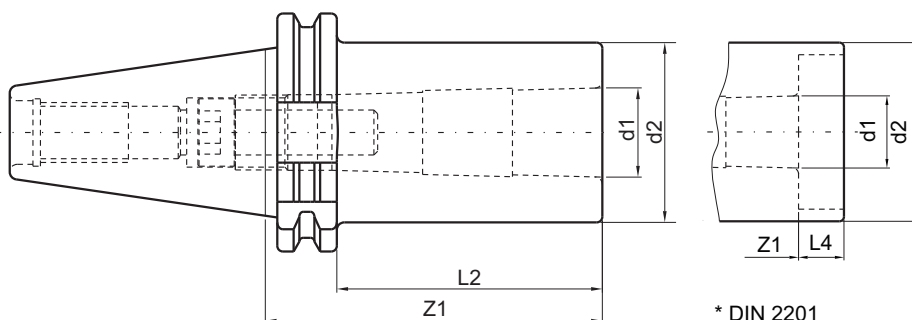
CÓDIGO/CODE	ISO	TAM./SIZE	d1	d2	L2	Z1
UBR40.0501	40	CM1	12.065	25	30.90	50
UBR40.0502	40	CM2	17.780	32	30.90	50
UBR40.0503	40	CM3	23.825	40	50.90	70
UBR40.0504	40	CM4	31.267	48	75.90	95
UBR50.0501	50	CM1	12.065	25	25.90	45
UBR50.0502	50	CM2	17.780	32	40.90	60
UBR50.0503	50	CM3	23.825	40	45.90	65
UBR50.0504	50	CM4	31.267	48	75.90	95
UBR50.0505	50	CM5	44.399	63	85.90	105

Exemplo para pedido / Ordering example: 01 pç - **UBR40.0503**

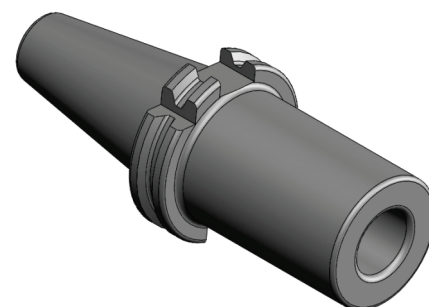
- Sem refrigeração / Without coolant supply.

PORTA FERRAMENTA PARA ADAPTAÇÃO CONE MORSE DIN 228 - FORMA C
TOOL HOLDER FOR MORSE TAPER ADAPTATION DIN 228 - FORM C

DIN 6364-B



* DIN 2201



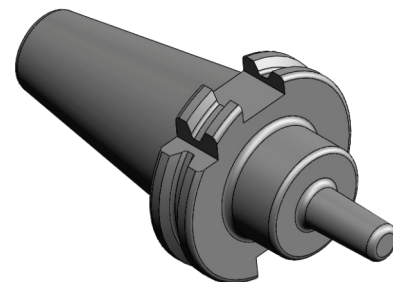
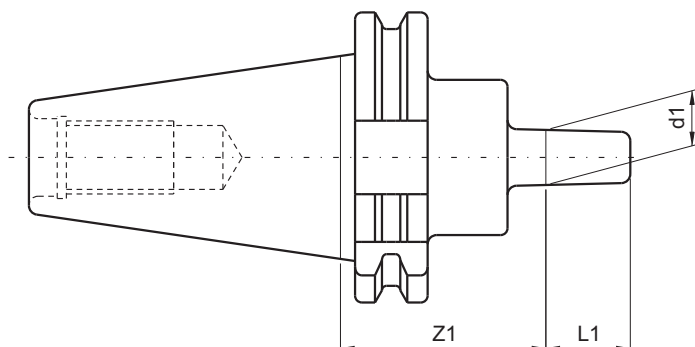
CÓDIGO/CODE	ISO	TAM./SIZE	d1	d2	L2	L4	Z1
UBR41.1501	40	CM1	12.065	25	30.90	-	50
UBR41.1502	40	CM2	17.780	32	40.90	-	60
UBR41.1503	40	CM3	23.825	40	70.90	-	90
UBR41.1504	40	CM4	31.267	48	110.90	-	130
UBR41.3504*	40	CM4	31.267	63	110.90	15	130
UBR51.1501	50	CM1	12.065	25	25.90	-	45
UBR51.1502	50	CM2	17.780	32	30.90	-	50
UBR51.1503	50	CM3	23.825	40	45.90	-	65
UBR51.1504	50	CM4	31.267	48	60.90	-	80
UBR51.3504*	50	CM4	31.267	63	60.90	15	80
UBR51.1505	50	CM5	44.399	63	95.90	-	115
UBR51.3505*	50	CM5	44.399	78	95.90	18	115

Exemplo para pedido / Ordering example: 01 pç - **UBR41.1503**

- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.
- Com passagem interna de fluido refrigerante.
Internal coolant supply.

PORTA MANDRIL CONE DIN ISO 238-B
 DRILL CHUCKS HOLDER - TAPER ARBOR DIN ISO 238-B

DIN ISO 238-B

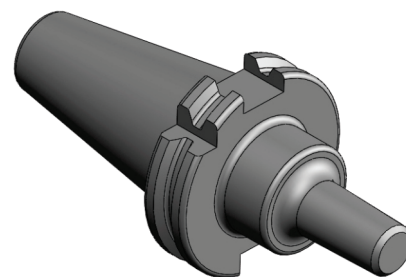
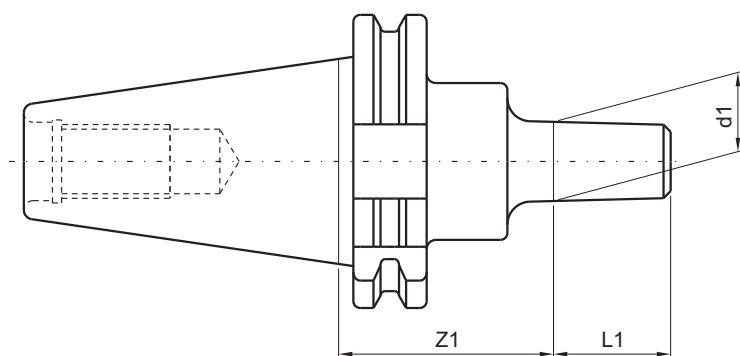


CÓDIGO/CODE	ISO	DIN 238	d1	L1	Z1
UBR40.0610	40	B10	(Ø10.094)	14.50	45
UBR40.0612	40	B12	(Ø12.065)	18.50	45
UBR40.0616	40	B16	(Ø15.733)	24	45
UBR40.0618	40	B18	(Ø17.780)	32	45
UBR50.0610	50	B10	(Ø10.094)	14.50	50
UBR50.0612	50	B12	(Ø12.065)	18.50	50
UBR50.0616	50	B16	(Ø15.733)	24	50
UBR50.0618	50	B18	(Ø17.780)	32	50
UBR50.0622	50	B22	(Ø21.793)	40.50	50
UBR50.0624	50	B24	(Ø23.825)	50.50	50

Exemplo para pedido / Ordering example: 01 pç - **UBR40.0616**

PORTA MANDRIL CONE DIN ISO 239 (JACOB'S)
 DRILL CHUCKS HOLDER - TAPER ARBOR DIN ISO 239 (JACOBS)

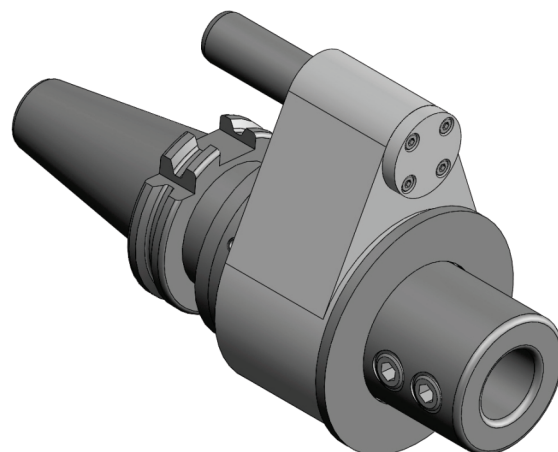
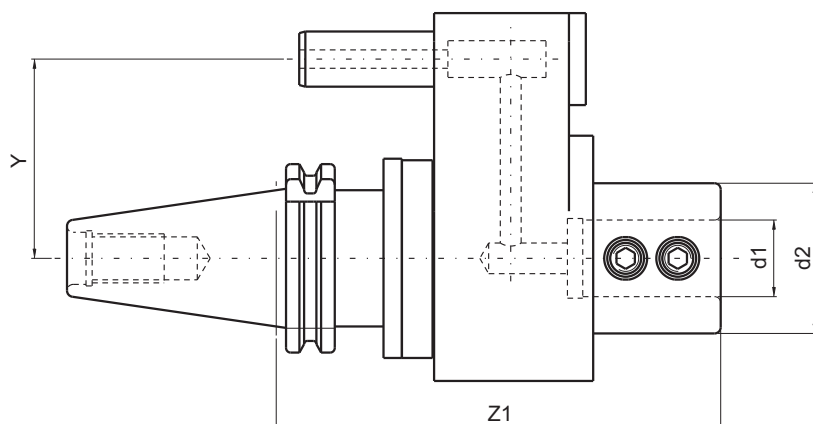
DIN ISO 239



CÓDIGO/CODE	ISO	DIN 239	d1	L1	Z1
UBR40.1602	40	J2	(Ø14.199)	22.225	45
UBR40.1633	40	J33	(Ø15.850)	25.40	45
UBR40.1606	40	J6	(Ø17.170)	25.40	45
UBR50.1633	50	J33	(Ø15.850)	25.40	50
UBR50.1606	50	J6	(Ø17.170)	25.40	50
UBR50.1603	50	J3	(Ø20.599)	30.956	50

Exemplo para pedido / Ordering example: 01 pç - **UBR40.1606**

- Dimensões diferentes do padrão, disponíveis sob consulta.
 Different dimensions of the standard, available upon request.
- Sem refrigeração / Without coolant supply.

INDUTOR PARA REFRIGERAÇÃO CENTRAL
THROUGH COOLANT INDUCERS


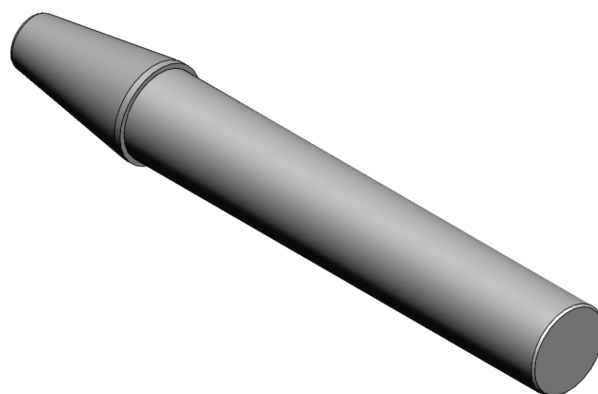
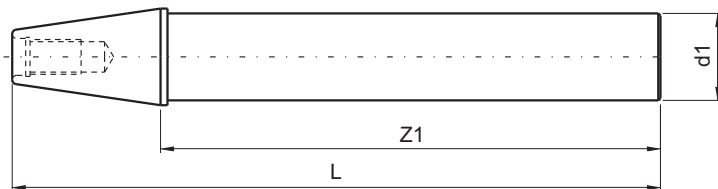
CÓDIGO / CODE	ISO	d1	d2	Y	Z
UBR40.3220	40	20	50	65	152
UBR40.3225	40	25	50	65	152
UBR40.3232	40	32	50	65	152
UBR50.3225	50	25	50	80	152
UBR50.3232	50	32	50	80	152
UBR50.3240	50	40	60	80	165

Exemplo para pedido / Ordering example: 01 pç - **UBR50.3232**

CARACTERÍSTICAS / FEATURES

- Para ferramenta com haste cilíndrica DIN 1835-B/E
For tools with cylindrical shank DIN 1835-B/E
- Para garantir vida útil da vedação, utilizar sistema de filtragem c/ mínimo 80 mesh.
For increase working life of sealing system, coolant has to be filtered 80 mesh minimum.
- Rotação máxima de trabalho 4000 rpm / *Maximum working speed 4000 rpm*
- Máxima pressão trabalho 7 bars / *Maximum coolant pressure 7 bars.*
- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.
- Com passagem interna de fluido refrigerante / *Internal coolant supply.*

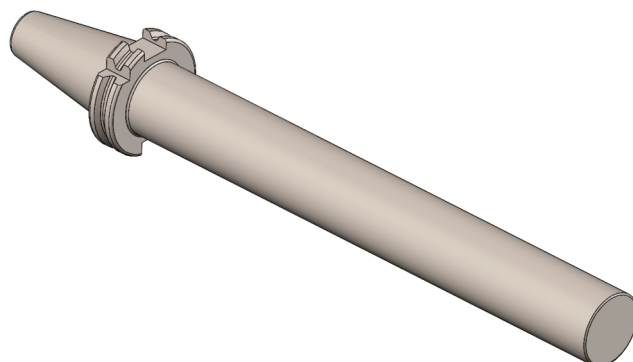
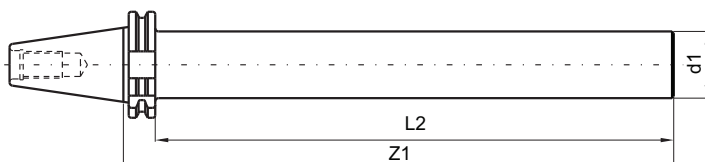
EIXO PADRÃO TEST BARS



CÓDIGO/CODE	ISO	d1	L	Z1
UBR99.2630	30	30	277.80	250
UBR99.2640	40	40	398.25	300
UBR99.2650	50	50	431.60	350

Exemplo para pedido / Ordering example: 01 pc - **UBR99.2640-DIN**

EIXO PADRÃO COM FLANGE TEST BARS WITH FLANGE



CÓDIGO/CODE	ISO	d1	L2	Z1
UBR99.2630-DIN	30	30	210.9	250
UBR99.2640-DIN	40	40	310.9	300
UBR99.2650-DIN	50	50	210.9	350

Exemplo para pedido / Ordering example: 01 pc - **UBR99.2640-DIN-FL**

CARACTERÍSTICAS / FEATURES

- Concentricidade máxima entre o cone e d1: 0.005mm
Maximum runout on the cylindrical d1 in reference to the taper: 0.005mm
- Para verificação de desvios geométricos da máquina ferramenta.
For geometry deviation checking of the machine tools.
- Dimensões diferentes do padrão, disponíveis sob consulta.
Differents dimensions of the standard, available upon request.