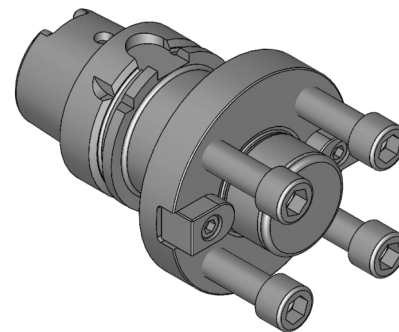
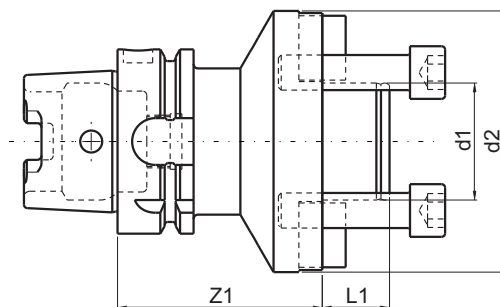
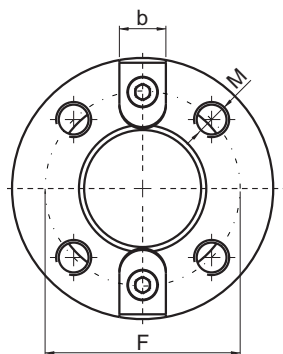


PORTA-FRESA DE FACEAR
FACE MILL HOLDER

DIN 6357

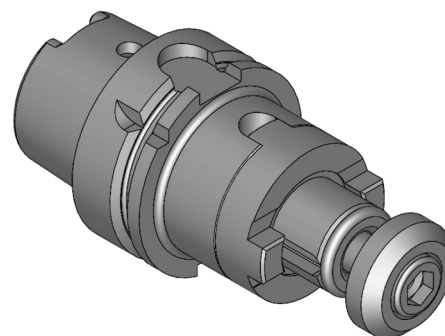
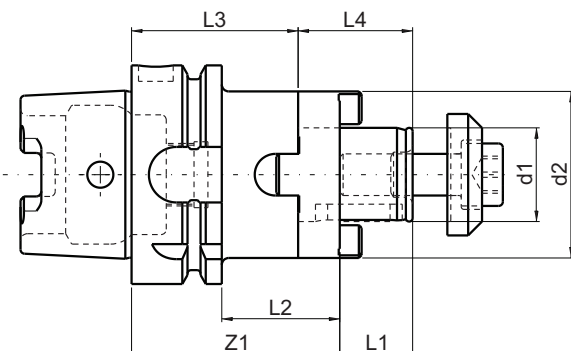


CÓDIGO/CODE	HSK-A	b	d1	d2	F	L1	M	Z1
UBR 93.2440	63	15.9	40	89	66.70	30	M12	60
UBR 95.2440	100	15.9	40	89	66.70	30	M12	60
UBR 95.2460	100	25.4	60	129	101.60	40	M16	70

Exemplo para pedido / Ordering example: 01 pç - UBR 95.2460

PORTA-FRESA COMBINADO
SHELL END MILL HOLDER - COMBI

DIN 69882-2



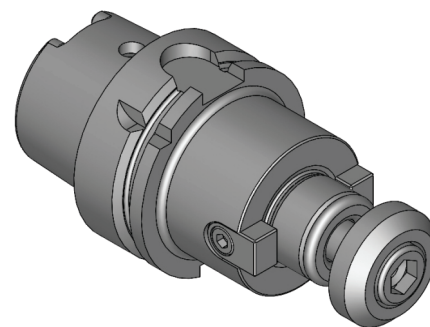
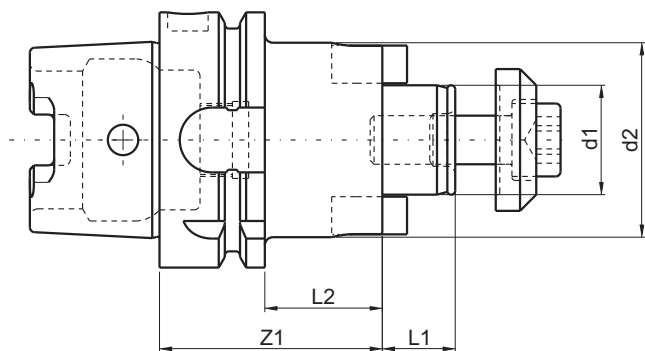
CÓDIGO/CODE	HSK-A	d1	d2	L1	L2	L3	L4	Z1
UBR 91.1416	40	16	32	17	30	40	27	50
UBR 91.1422	40	22	40	19	30	38	31	50
UBR 91.1427	40	27	48	21	45	53	38	65
UBR 93.1416	63	16	32	17	34	50	27	60
UBR 93.1422	63	22	40	19	34	48	31	60
UBR 93.1427	63	27	48	21	34	48	33	60
UBR 93.1432	63	32	58	24	34	46	38	60
UBR 93.1440	63	40	70	27	44	56	41	70
UBR 95.1416	100	16	32	17	31	50	27	60
UBR 95.1422	100	22	40	19	31	48	31	60
UBR 95.1427	100	27	48	21	31	48	33	60
UBR 95.1432	100	32	58	24	31	46	38	60
UBR 95.1440	100	40	70	27	41	56	41	70
UBR 95.1450	100	50	90	30	51	64	46	80

Exemplo para pedido / Ordering example: 01 pç - UBR 91.1427

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

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

DIN 69882-3

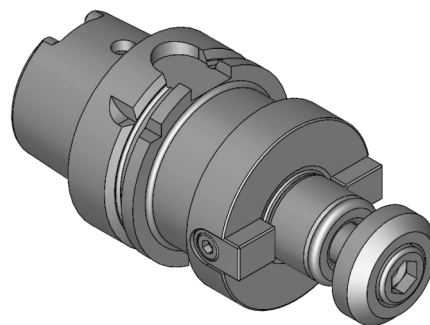
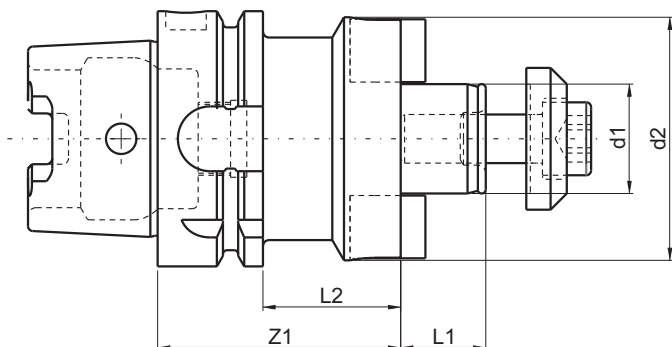


CÓDIGO/CODE	HSK-A	d1	d2	L1	L2	Z1
UBR 91.0416	40	16	32	17	30	50
UBR 91.0422	40	22	40	19	-	50
UBR 93.0416	63	16	32	17	24	50
UBR 93.0422	63	22	40	19	24	50
UBR 93.0427	63	27	48	21	34	60
UBR 93.0432	63	32	58	24	34	60
UBR 93.0440	63	40	67	27	-	60
UBR 95.0416	100	16	32	17	21	50
UBR 95.0422	100	22	40	19	21	50
UBR 95.0427	100	27	48	21	21	50
UBR 95.0432	100	32	58	24	21	50
UBR 95.0440	100	40	67	27	31	60

Exemplo para pedido / Ordering example: 01 pç - UBR 93.0416

PORTA-FRESA DE FACEAR
SHELL AND MILL HOLDER

DIN 69882-3

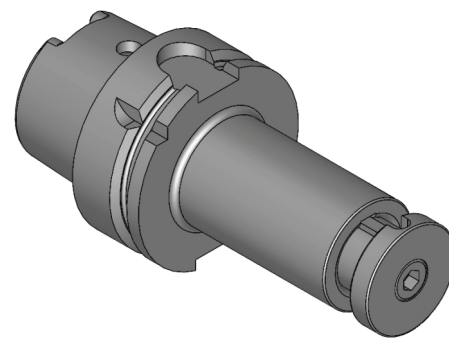
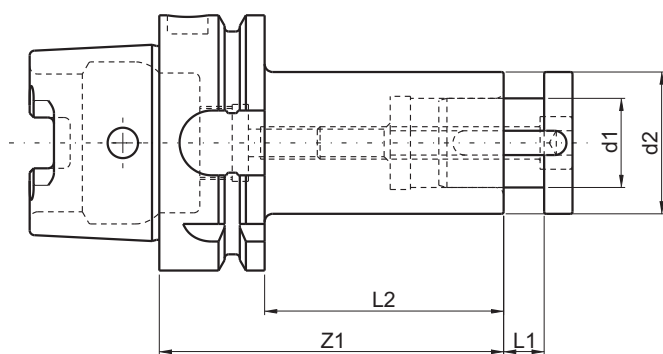


CÓDIGO/CODE	KSK-A	d1	d2	L1	L2	Z1
UBR 91.1916	40	16	38	17	30	50
UBR 91.1922	40	22	50	19	-	50
UBR 93.1916	63	16	38	17	24	50
UBR 93.1922	63	22	50	19	24	50
UBR 93.1927	63	27	60	21	34	60
UBR 93.1932	63	32	78	24	-	60
UBR 93.1940	63	40	89	27	-	60
UBR 95.1916	100	16	38	17	21	50
UBR 95.1922	100	22	50	19	21	50
UBR 95.1927	100	27	60	21	21	50
UBR 95.1932	100	32	78	24	21	50
UBR 95.1940	100	40	89	27	31	60

Exemplo para pedido / Ordering example: 01 pç - UBR 93.1916

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

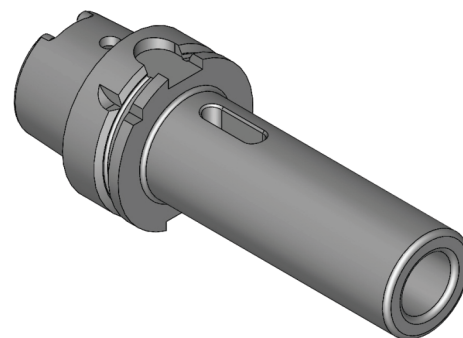
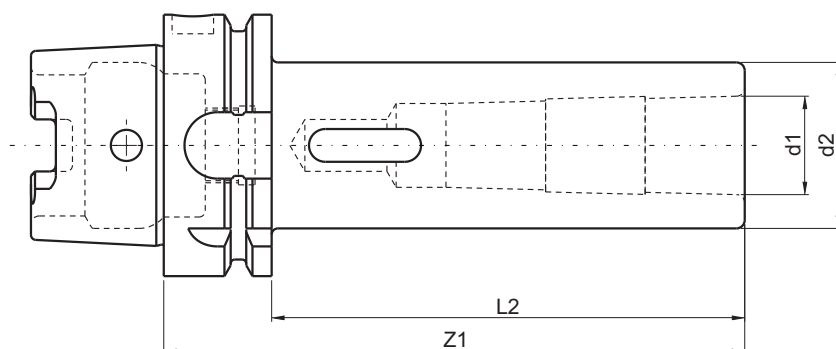
PORTA-FRESA DE DISCO TIPO PISTÃO SLOTING CUTTERS HOLDER PISTON TYPE



CÓDIGO/CODE	HSK-A	d1	d2	L1	L2	Z1
UBR 93.4416	63	16	32	0-10	64	90
UBR 93.4422	63	22	40	0-12	64	90
UBR 93.4427	63	27	48	0-15	74	100
UBR 93.4432	63	32	58	0-24	96	120
UBR 93.4440	63	40	70	0-30	106	130
UBR 95.4416	100	16	32	0-10	71	100
UBR 95.4422	100	22	40	0-12	71	100
UBR 95.4427	100	27	48	0-15	91	120
UBR 95.4432	100	32	58	0-24	121	150
UBR 95.4440	100	40	70	0-30	121	150

Exemplo para pedido / Ordering example: 01 pç - **UBR 93.4427**

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



CÓDIGO/CODE	HSK-A	TAM./SIZE	d1	d2	L2	Z1
UBR 93.0501	63	CM1	12.065	25	74	100
UBR 93.0502	63	CM2	17.780	32	94	120
UBR 93.0503	63	CM3	23.825	40	114	140
UBR 93.0504	63	CM4	31.267	48	134	160
UBR 95.0501	100	CM1	12.065	25	81	110
UBR 95.0502	100	CM2	17.780	32	91	120
UBR 95.0503	100	CM3	23.825	40	121	150
UBR 95.0504	100	CM4	31.267	48	141	170
UBR 95.0505	100	CM5	44.399	63	171	200

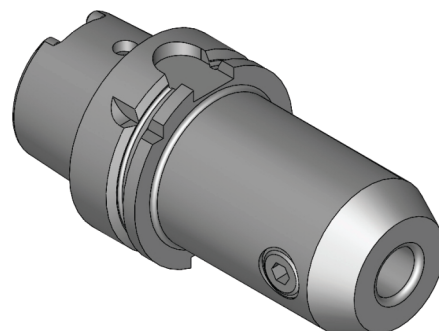
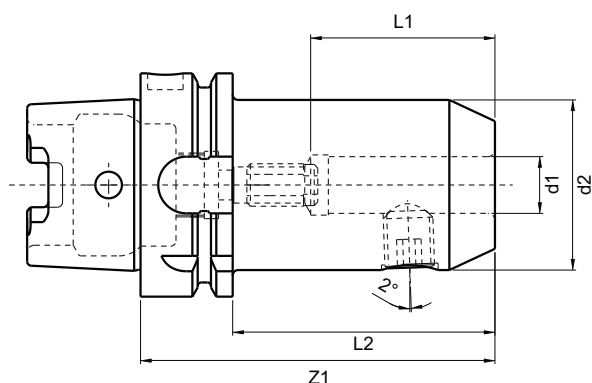
Exemplo para pedido / Ordering example: 01 pç - **UBR 91.0503**

• 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 69882-5



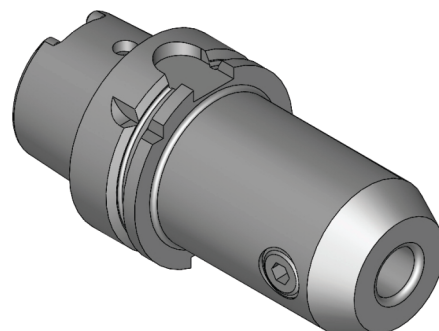
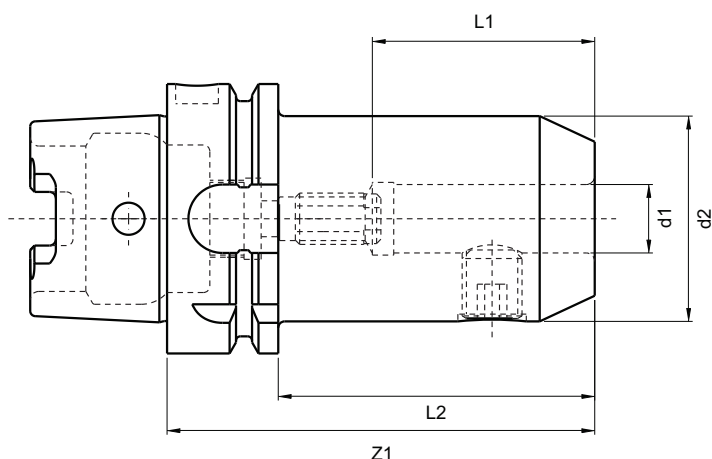
CÓDIGO/CODE	HSK-A	d1	d2	L1	L2	Z1
UBR 91.0206	40	6	25	40	60	80
UBR 91.0208	40	8	28	40	60	80
UBR 91.0210	40	10	35	44	60	80
UBR 91.0212	40	12	42	49	-	90
UBR 91.0214	40	14	44	49	-	90
UBR 91.0216	40	16	48	52	-	90
UBR 93.0206	63	6	25	40	54	80
UBR 93.0208	63	8	28	40	54	80
UBR 93.0210	63	10	35	44	54	80
UBR 93.0212	63	12	42	49	64	90
UBR 93.0214	63	14	44	49	64	90
UBR 93.0216	63	16	48	52	74	100
UBR 93.0218	63	18	50	52	74	100
UBR 93.0220	63	20	50	54	74	100
UBR 93.0225	63	25	65	59	-	110
UBR 93.0232	63	32	68	63	-	110
UBR 95.0206	100	6	25	40	61	90
UBR 95.0208	100	8	28	40	61	90
UBR 95.0210	100	10	35	44	61	90
UBR 95.0212	100	12	42	49	71	100
UBR 95.0214	100	14	44	49	71	100
UBR 95.0216	100	16	48	52	71	100
UBR 95.0218	100	18	50	52	71	100
UBR 95.0220	100	20	50	54	81	110
UBR 95.0225	100	25	65	59	91	120
UBR 95.0232	100	32	68	63	91	120
UBR 95.0240	100	40	80	73	101	130

Exemplo para pedido / Ordering example: 01 pc - **UBR 91.0210**

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

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

DIN 69882-5



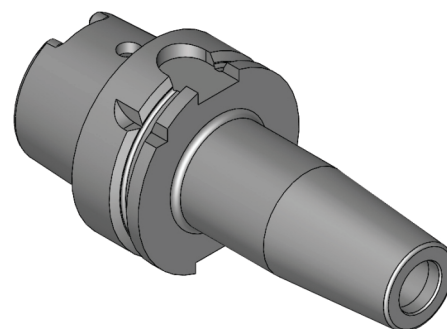
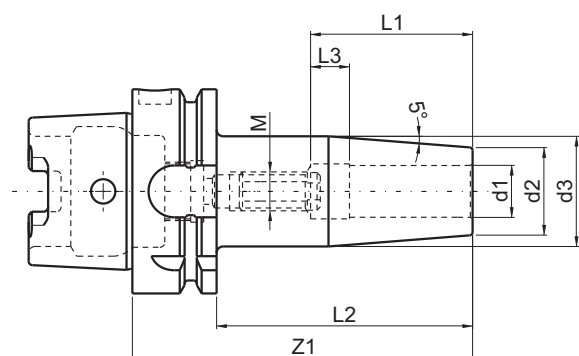
CÓDIGO/CODE	HSK-A	d1	d2	L1	L2	Z1
UBR 91.0006	40	6	25	40	60	80
UBR 91.0008	40	8	28	40	60	80
UBR 91.0010	40	10	35	44	60	80
UBR 91.0012	40	12	42	49	-	90
UBR 91.0014	40	14	44	49	-	90
UBR 91.0016	40	16	48	52	-	90
UBR 93.0006	63	6	25	40	54	80
UBR 93.0008	63	8	28	40	54	80
UBR 93.0010	63	10	35	44	54	80
UBR 93.0012	63	12	42	49	64	90
UBR 93.0014	63	14	44	49	64	90
UBR 93.0016	63	16	48	52	74	100
UBR 93.0018	63	18	50	52	74	100
UBR 93.0020	63	20	50	54	74	100
UBR 93.0025	63	25	65	59	-	110
UBR 93.0032	63	32	68	63	-	110
UBR 95.0006	100	6	25	40	61	90
UBR 95.0008	100	8	28	40	61	90
UBR 95.0010	100	10	35	44	61	90
UBR 95.0012	100	12	42	49	71	100
UBR 95.0014	100	14	44	49	71	100
UBR 95.0016	100	16	48	52	71	100
UBR 95.0018	100	18	50	52	71	100
UBR 95.0020	100	20	50	54	81	110
UBR 95.0025	100	25	65	59	91	120
UBR 95.0032	100	32	68	63	91	120
UBR 95.0040	100	40	80	73	101	130

Exemplo para pedido / Ordering example: 01 pc - **UBR 91.0210**

- 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 TÉRMICA
SHRINK FIT TOOL HOLDER

DIN 69882-8

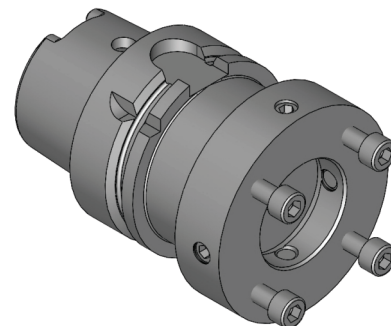
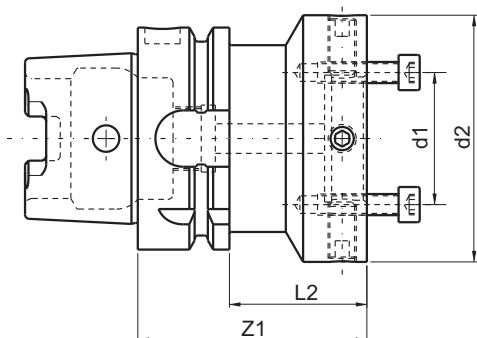


CÓDIGO/CODE	HSK-A	d1	d2	d3	L1	L2	L3	M	Z1
UBR 91.4006	40	6	21	27	36	60	10	M5	80
UBR 91.4008	40	8	21	27	36	60	10	M6	80
UBR 91.4010	40	10	24	32	42	60	10	M8	80
UBR 91.4012	40	12	24	32	47	70	10	M8	90
UBR 91.4014	40	14	27	34	47	70	10	M8	90
UBR 91.4016	40	16	27	34	50	70	10	M12	90
UBR 93.4006	63	6	21	27	36	54	10	M5	80
UBR 93.4008	63	8	21	27	36	54	10	M6	80
UBR 93.4010	63	10	24	32	42	59	10	M8	85
UBR 93.4012	63	12	24	32	47	64	10	M8	90
UBR 93.4014	63	14	27	34	47	64	10	M8	90
UBR 93.4016	63	16	27	34	50	69	10	M12	95
UBR 93.4018	63	18	33	42	50	69	10	M12	95
UBR 93.4020	63	20	33	42	52	74	10	M16	100
UBR 93.4025	63	25	44	53	58	89	10	M16	115
UBR 93.4032	63	32	44	53	61	94	10	M16	120
UBR 95.4006	100	6	21	27	36	56	10	M5	85
UBR 95.4008	100	8	21	27	36	56	10	M6	85
UBR 95.4010	100	10	24	32	42	61	10	M8	90
UBR 95.4012	100	12	24	32	47	66	10	M8	95
UBR 95.4014	100	14	27	34	47	66	10	M8	95
UBR 95.4016	100	16	27	34	50	71	10	M12	100
UBR 95.4018	100	18	33	42	50	71	10	M12	100
UBR 95.4020	100	20	33	42	52	76	10	M16	105
UBR 95.4025	100	25	44	53	58	86	10	M16	115
UBR 95.4032	100	32	44	53	61	91	10	M16	120

Exemplo para pedido / Ordering example: 01 pc - **UBR 91.4010**

- Utilizado para ferramentas com haste cilíndrica tolerância h4.
- Dimensões diferentes do padrão, disponíveis sob consulta.
Different 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)



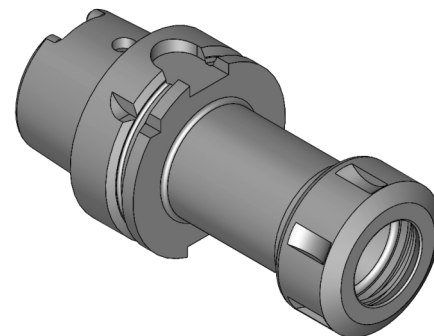
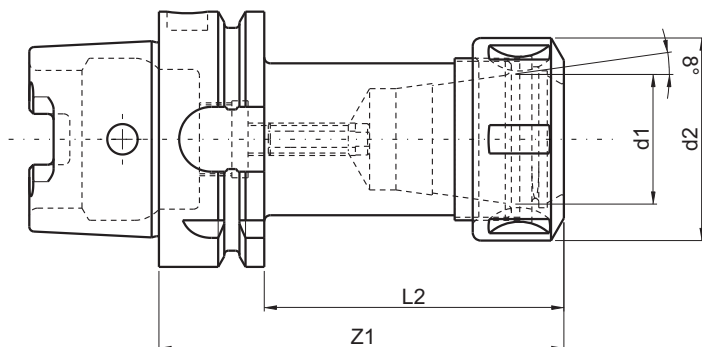
CÓDIGO/CODE	HSK-A	d1	d2	L2	Z1
UBR 92.9761	50	30	60	-	60
UBR 92.9762	50	35	70	-	60
UBR 92.9763	50	40	80	-	60
UBR 93.9761	63	30	60	34	60
UBR 93.9762	63	35	70	-	60
UBR 93.9763	63	40	80	-	60
UBR 93.9764	63	50	100	-	65
UBR 93.9765	63	60	117	-	65
UBR 95.9761	100	30	60	26	55
UBR 95.9762	100	35	70	26	55
UBR 95.9763	100	40	80	26	55
UBR 95.9764	100	50	100	-	65
UBR 95.9765	100	60	117	-	65
UBR 95.9766	100	80	140	-	75

Exemplo para pedido / Ordering example: 01 pç - **UBR 92.9763**

• Permite ajuste axial e radial. / With axial and radial adjustment

PORTA-PINÇA DIN ISO 15488 (DIN 6499)
COLLET CHUCK HOLDER DIN ISO 15488 (DIN 6499)

DIN 69882-6



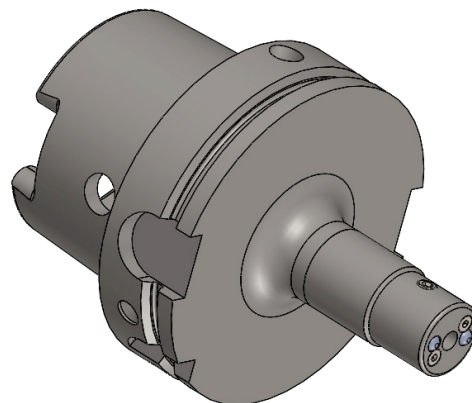
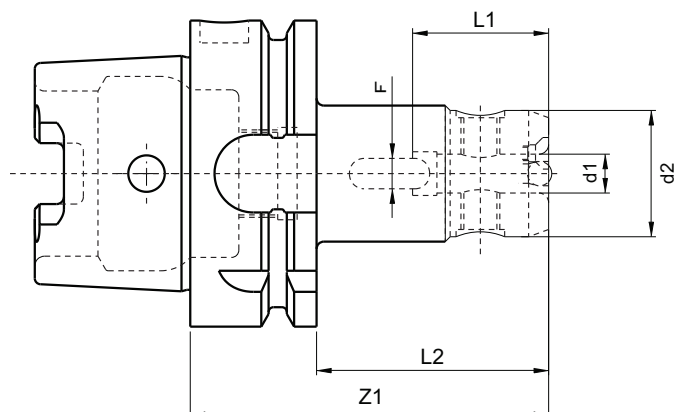
CÓDIGO/CODE	HSK-A	TAM./SIZE	Capacidade / Range		d1	d2	L2	Z1
			Forma A Form A	Forma B Form B				
UBR 91.2316	40	16	1-10	1-10	16	28	60	80
UBR 91.2320	40	20	1-13	1-13	20	35	60	80
UBR 91.2325	40	25	1-16	2-16	25	42	-	80
UBR 91.2332	40	32	2-20	3-20	32	50	-	100
UBR 93.2316	63	16	1-10	1-10	16	28	74	100
UBR 93.2325	63	25	1-16	2-16	25	42	74	100
UBR 93.2332	63	32	2-20	3-20	32	50	74	100
UBR 93.2340	63	40	3-26	4-26	40	63	-	120
UBR 95.2316	100	16	1-10	1-10	16	28	71	100
UBR 95.2325	100	25	1-16	2-16	25	42	71	100
UBR 95.2332	100	32	2-20	3-20	32	50	71	100
UBR 95.2340	100	40	3-26	4-26	40	63	91	120

Exemplo para pedido / Ordering example: 01 pç - **UBR 91.2325**

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

PORTA-MACHO RÍGIDO
RIGID TAPPING CHUCK

DIN 69882-6



CÓDIGO/CODE	HSK-A	M	d1	d2	F	L1	L2	Z1
UBR 93.1204	63	M3.5	4	25	3	20	44	70
UBR 93.1206	63	M6-M8	6	25	4.9	28	49	75
UBR 93.1207	63	M7-M9-M10	7	28	5.5	28	49	75
UBR 93.1208	63	M8-M11	8	28	6.2	28	28	75
UBR 93.1209	63	M9-M12	9	35	7	29	54	80
UBR 93.1210	63	M10	10	35	8	32	54	80
UBR 93.1211	63	M14	11	42	9	36	66	92
UBR 93.1212	63	M15-M16	12	42	9	36	66	92
UBR 93.1214	100	M18	14	42	11	40	69	95
UBR 93.1216	100	M20	16	48	12	45	74	100
UBR 95.1204	100	M3.5	4	25	3	20	41	70
UBR 95.1206	100	M6-M8	6	25	4.9	28	56	85
UBR 95.1207	100	M7-M9-M10	7	28	5.5	28	56	85
UBR 95.1208	100	M8-M11	8	28	6.2	28	61	90
UBR 95.1209	100	M9-M12	9	35	7	29	61	90
UBR 95.1210	100	M10	10	35	8	32	61	90
UBR 95.1211	100	M14	11	42	9	36	71	100
UBR 95.1212	100	M15-M16	12	42	9	36	71	100
UBR 95.1214	100	M18	14	42	11	40	71	100
UBR 95.1216	100	M20	16	48	12	45	76	105

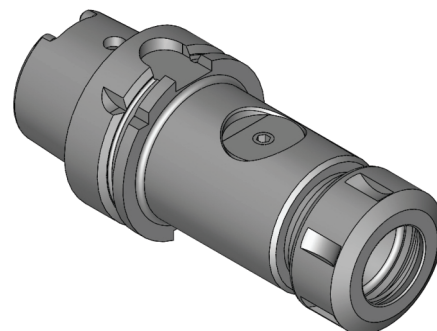
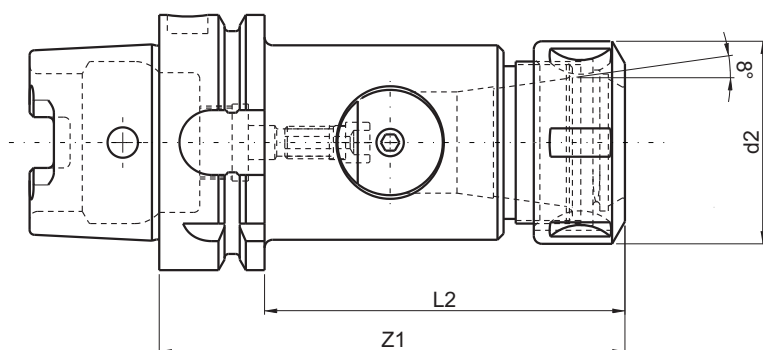
Exemplo para pedido / Ordering example: 01 pc - **UBR 92.9763**

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

- 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

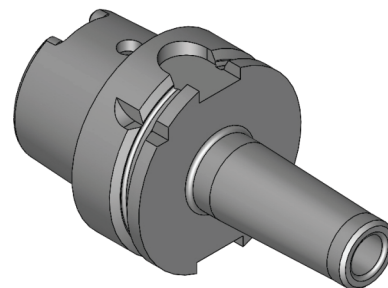
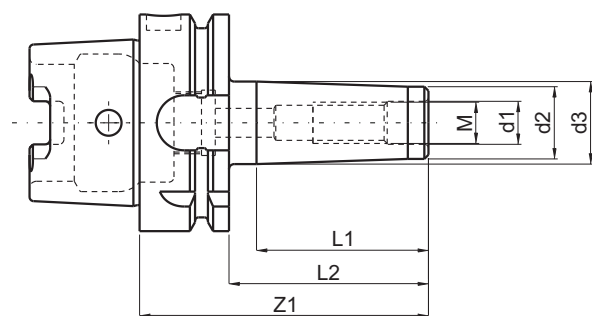


CÓDIGO/CODE	HSK-A	Pinça/Collet	Capacidade/Range	d2	L2	Z1
UBR 91.2216	40	ER-16	M3-M12	28	65	85
UBR 91.2220	40	ER-20	M5-M16	35	70	90
UBR 91.2225	40	ER-25	M5-M20	42	75	95
UBR 93.2216	63	ER-16	M3-M12	28	64	90
UBR 93.2220	63	ER-20	M5-M16	35	69	95
UBR 93.2225	63	ER-25	M5-M20	42	74	100
UBR 93.2232	63	ER-32	M8-M27	50	84	110
UBR 93.2240	63	ER-40	M12-M33	63	-	125
UBR 95.2216	100	ER-16	M3-M12	28	71	100
UBR 95.2220	100	ER-20	M5-M16	35	76	105
UBR 95.2225	100	ER-25	M5-M20	42	81	110
UBR 95.2232	100	ER-32	M8-M27	50	91	120
UBR 95.2240	100	ER-40	M12-M33	63	101	130

Exemplo para pedido / Ordering example: 01 pc - **UBR 91.2225**

- 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


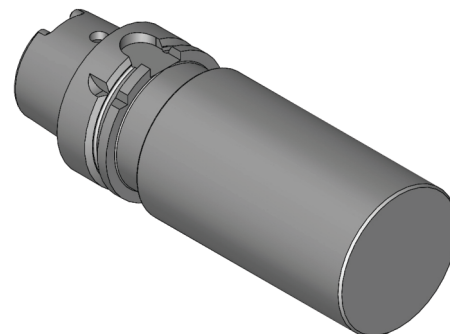
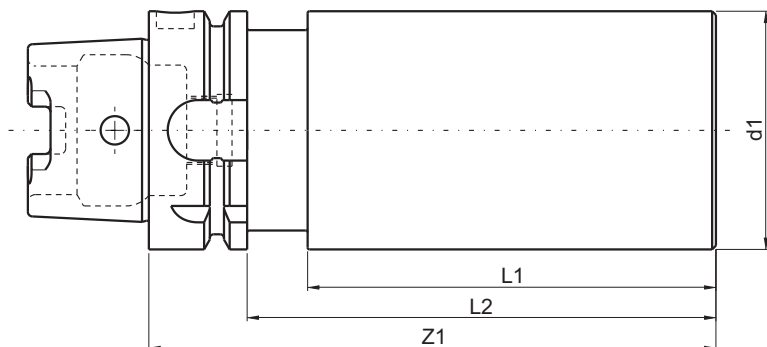
CÓDIGO / CODE	HSK-A	M	d1	d2	d3	L1	L2	Z1
UBR 91.9906	40	M6	6.50	9.80	13	25	33	53
UBR 91.9906-078	40	M6	6.50	9.80	20	50	58	78
UBR 91.9908	40	M8	8.50	13	15	25	33	53
UBR 91.9908-078	40	M8	8.50	13	23	50	58	78
UBR 91.9910	40	M10	10.50	18	20	25	33	53
UBR 91.9910-078	40	M10	10.50	18	25	50	58	78
UBR 91.9912	40	M12	12.50	21	24	25	33	53
UBR 91.9912-078	40	M12	12.50	21	24	50	58	78
UBR 91.9916	40	M16	17	29	34	25	33	53
UBR 91.9916-078	40	M16	17	29	34	50	58	78
UBR 93.9906	63	M6	6.50	9.80	13	25	33	59
UBR 93.9906-084	63	M6	6.50	9.80	20	50	58	84
UBR 93.9906-109	63	M6	6.50	9.80	23	75	83	109
UBR 93.9908	63	M8	8.50	13	15	25	33	59
UBR 93.9908-084	63	M8	8.50	13	23	50	58	84
UBR 93.9908-109	63	M8	8.50	13	29	75	83	109
UBR 93.9910	63	M10	10.50	18	20	25	33	59
UBR 93.9910-084	63	M10	10.50	18	25	50	58	84
UBR 93.9910-109	63	M10	10.50	18	28	75	83	109
UBR 93.9912	63	M12	12.50	21	24	25	33	59
UBR 93.9912-084	63	M12	12.50	21	24	50	58	84
UBR 93.9912-109	63	M12	12.50	21	31	75	83	109
UBR 93.9912-134	63	M12	12.50	21	31	100	108	134
UBR 93.9916	63	M16	17	29	34	25	33	59
UBR 93.9916-084	63	M16	17	29	34	50	58	84
UBR 93.9916-109	63	M16	17	29	34	75	83	109
UBR 93.9916-134	63	M16	17	29	39	100	108	134
UBR 95.9908	100	M8	8.50	13	23	50	58	87
UBR 95.9908-107	100	M8	8.50	13	29	70	78	107
UBR 95.9908-137	100	M8	8.50	13	29	100	108	137
UBR 95.9910	100	M10	10.50	18	25	50	58	87
UBR 95.9910-107	100	M10	10.50	18	28	70	78	107
UBR 95.9910-137	100	M10	10.50	18	32	100	108	137
UBR 95.9912	100	M12	12.50	21	24	50	58	87
UBR 95.9912-137	100	M12	12.50	21	31	100	108	137
UBR 95.9912-187	100	M12	12.50	21	31	150	158	187
UBR 95.9912-237	100	M12	12.50	21	39	200	208	237
UBR 95.9916	100	M16	17	29	34	50	58	87
UBR 95.9916-137	100	M16	17	29	34	100	108	137
UBR 95.9916-187	100	M16	17	29	39	150	158	187
UBR 95.9916-237	100	M16	17	29	49	200	208	237

Exemplo para pedido / Ordering example: 01 pc - **UBR 91.9908**

- 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 SEMI-ACABADO - BLANK
BLANK - SEMI-FINISHED BORING BARS

HSK-A

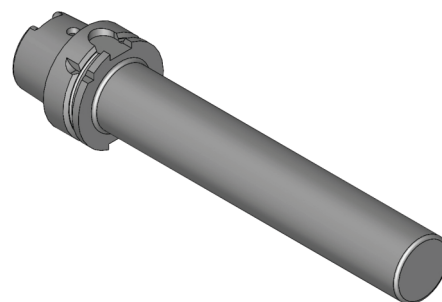
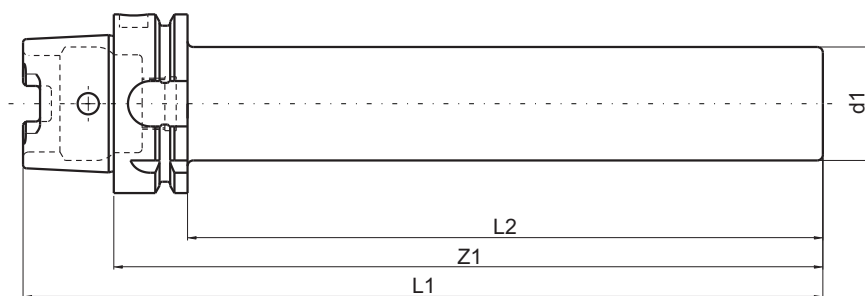


CÓDIGO/CODE	HSK-A	d1	L1	L2	Z1
UBR 90.1140-120	32	40	85	100	120
UBR 91.1150-120	40	50	85	100	120
UBR 92.1150-150	50	50	108	124	150
UBR 92.1150-200	50	50	158	174	200
UBR 92.1180-150	50	80	108	124	150
UBR 93.1163-150	63	63	108	124	150
UBR 93.1163-200	63	63	158	174	200
UBR 93.11100-150	63	100	108	124	150
UBR 94.1180-150	80	80	108	124	150
UBR 94.1180-250	80	80	208	224	250
UBR 94.11120-150	80	120	108	124	150
UBR 95.11100-150	100	100	105	121	150
UBR 95.11100-300	100	100	255	271	300
UBR 95.11125-150	100	125	105	121	150

Exemplo para pedido / Ordering example: 01 pc - **UBR 92.1150-150**

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

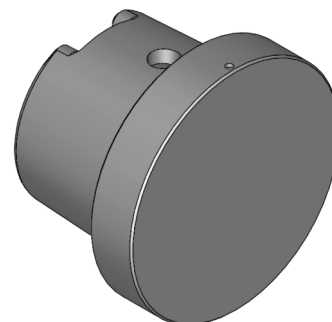
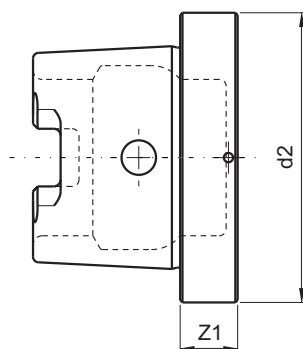
EIXO PADRÃO TEST BARS



CÓDIGO/CODE	HSK-A	d1	L1	L2	Z1
UBR 99.2632-HSK	32	25	166	130	250
UBR 99.2640-HSK	40	25	170	130	250
UBR 99.2650-HSK	50	32	225	174	300
UBR 99.2663-HSK	63	40	282	224	300
UBR 99.2680-HSK	80	50	360	294	350
UBR 99.26100-HSK	100	50	370	291	350

Exemplo para pedido / Ordering example: 01 pç - **UBR 99.2650-HSK**

TAMPÃO SPINDLE PLUG



CÓDIGO/CODE	HSK-C	d2	Z1
UBR 90.1832	32	32	10
UBR 91.1840	40	40	10
UBR 92.1850	50	50	12.5
UBR 93.1863	63	63	12.5
UBR 94.1880	80	80	16
UBR 95.18100	100	100	16

Exemplo para pedido / Ordering example: 01 pç - **UBR 92.1850**

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.