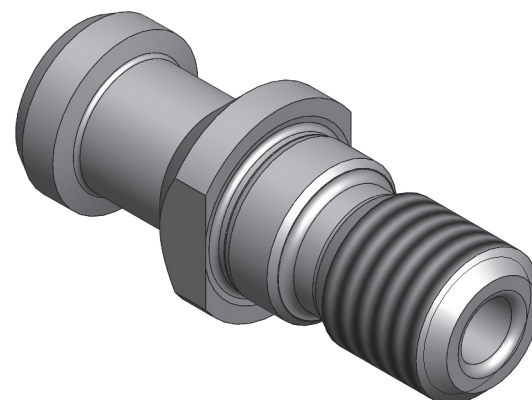
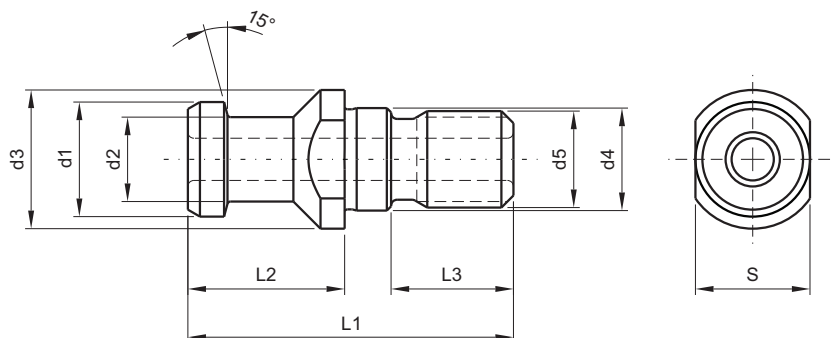


PINO DE FIXAÇÃO PULLS STUDS

DIN 69872-A

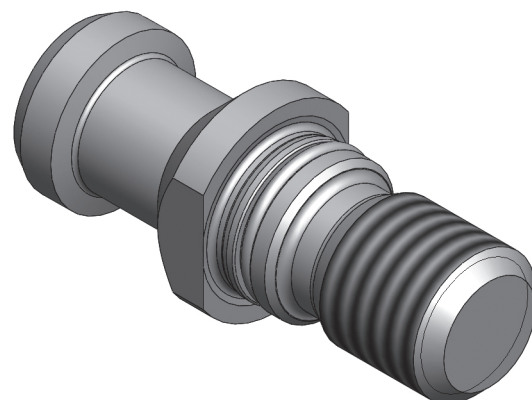
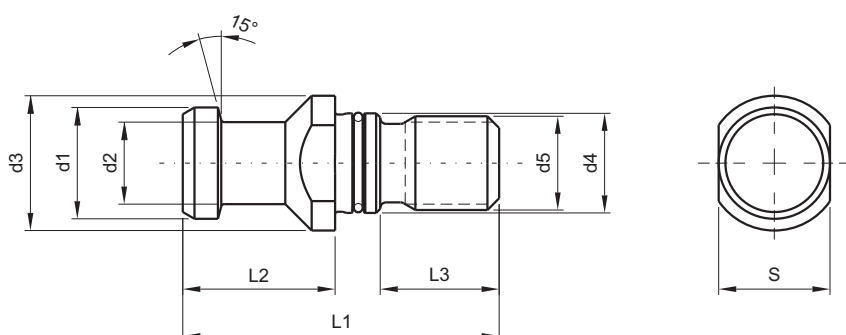


CÓDIGO/Code	ISO	d1	d2	d3	d4	d5	L1	L2	L3	S
UBR 08.7016	40	19	14	23	17	M16	54	26	20	19
UBR 08.7024	50	28	21	36	25	M24	74	34	25	30

Exemplo para pedido / Ordering example: 01 pç - **UBR 08.7024**

PINO DE FIXAÇÃO PULLS STUDS

DIN 69872-B

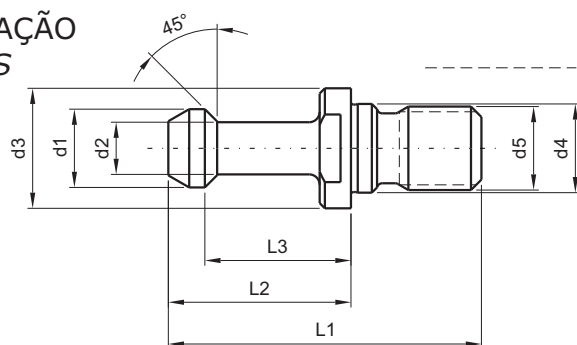


CÓDIGO/Code	ISO	d1	d2	d3	d4	d5	L1	L2	L3	S
UBR 08.7116	40	19	14	23	17	M16	54	26	20	19
UBR 08.7124	50	28	21	36	25	M24	74	34	25	30

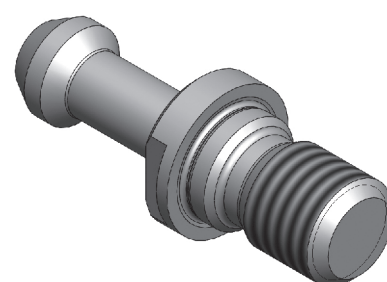
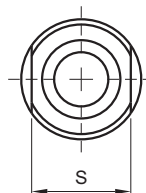
Exemplo para pedido / Ordering example: 01 pç - **UBR 08.7124**

- Diferentes pinos de fixação, disponíveis sob consulta
Others pull studs, available upon request

PINO DE FIXAÇÃO PULLS STUDS



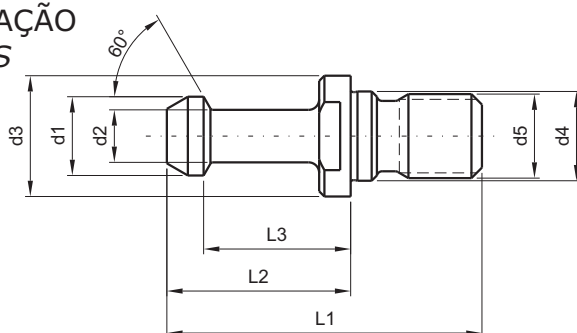
MAS 407 BT-I-45°



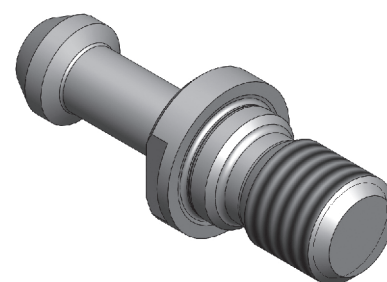
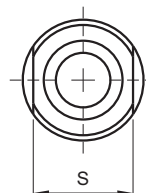
CÓDIGO/Code	ISO	d1	d2	d3	d4	d5	L1	L2	L3	S
UBR 08.7316	40	15	10	23	17	M16	60	35	28	19
UBR 08.7324	50	23	17	38	25	M24	85	45	35	30
UBR 08.7316-R	40	15	10	23	17	M16	60	35	28	19
UBR 08.7324-R	50	23	17	38	25	M24	85	45	35	30

Exemplo para pedido / Ordering example: 01 pç - **UBR 08.7324**

PINO DE FIXAÇÃO PULLS STUDS



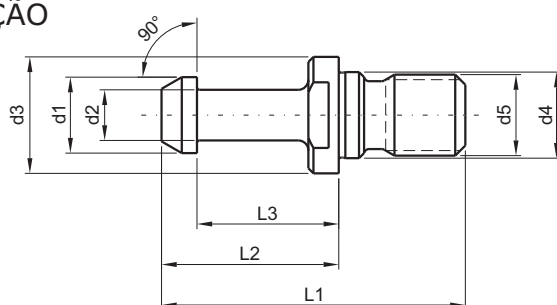
MAS 407 BT-II-60°



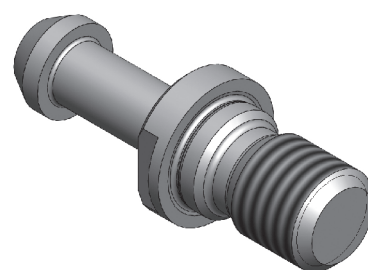
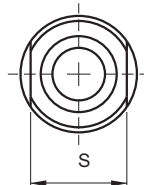
CÓDIGO/Code	ISO	d1	d2	d3	d4	d5	L1	L2	L3	S
UBR 08.7416	40	15	10	23	17	M16	60	35	28	19
UBR 08.7424	50	23	17	38	25	M24	85	45	35	30
UBR 08.7416-R	40	15	10	23	17	M16	60	35	28	19
UBR 08.7424-R	50	23	17	38	25	M24	85	45	35	30

Exemplo para pedido / Ordering example: 01 pç - **UBR 08.7424**

PINO DE FIXAÇÃO PULLS STUDS



MAS 407 BT-III-90°



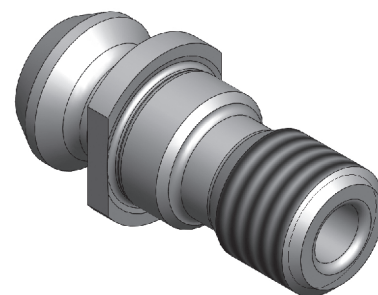
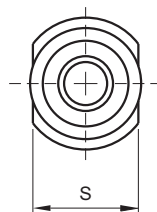
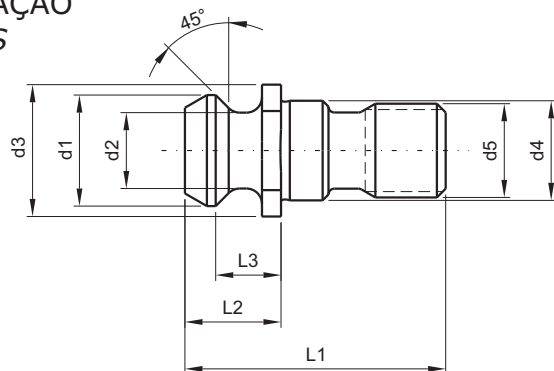
CÓDIGO/Code	ISO	d1	d2	d3	d4	d5	L1	L2	L3	S
UBR 08.7516	40	15	10	23	17	M16	60	35	28	19
UBR 08.7524	50	23	17	38	25	M24	85	45	35	30
UBR 08.7516-R	40	15	10	23	17	M16	60	35	28	19
UBR 08.7524-R	50	23	17	38	25	M24	85	45	35	30

Exemplo para pedido / Ordering example: 01 pç - **UBR 08.7524**

- **R** - Versão com furo refrigerado. / **R** - With coolant hole
- Diferentes pinos de fixação, disponíveis sob consulta
Others pull studs, available upon request

PINO DE FIXAÇÃO PULLS STUDS

ISO 7388/2-B

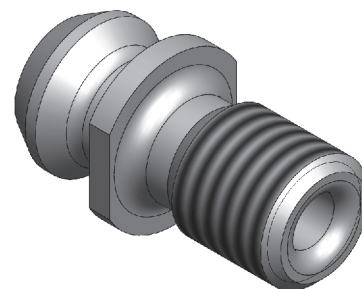
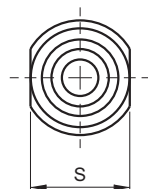
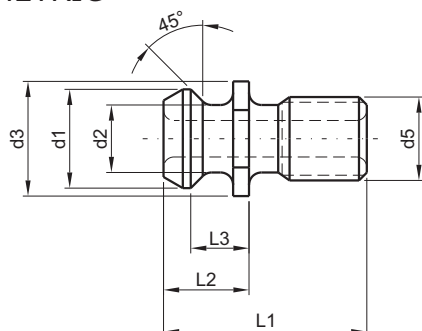


CÓDIGO/Code	ISO	d1	d2	d3	d4	d5	L1	L2	L3	S
UBR 08.7216	40	18.95	12.95	22.5	17	M16	44.5	16.4	11.15	18
UBR 08.7224	50	29.1	19.6	37	25	M24	65.5	25.55	17.95	30

Exemplo para pedido / Ordering example: 01 pç - **UBR 08.7224**

PINO DE FIXAÇÃO MÉTRICO PULLS STUDS METRIC

ANSI B5.50

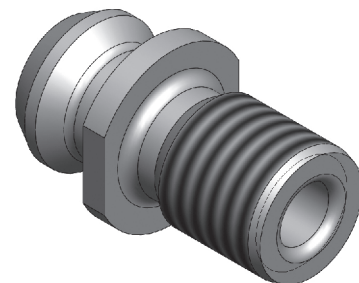
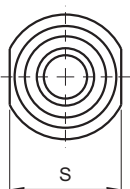
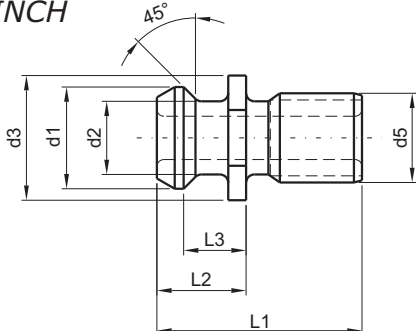


CÓDIGO/Code	ISO	d1	d2	d3	d5	L1	L2	L3	S
UBR 08.7616	40	18.95	12.95	22	M16	39	16.4	11.18	19.05
UBR 08.7624	50	29.1	19.6	37	M24	60	25.55	17.95	30

Exemplo para pedido / Ordering example: 01 pç - **UBR 08.7624**

PINO DE FIXAÇÃO POLEGADA PULLS STUDS INCH

ANSI B5.50

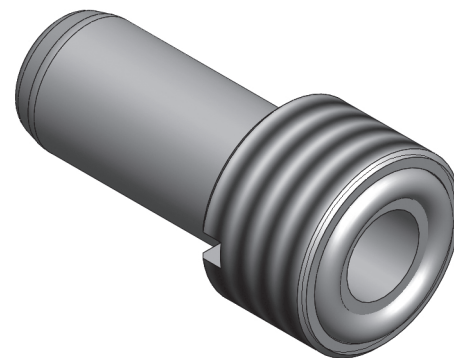
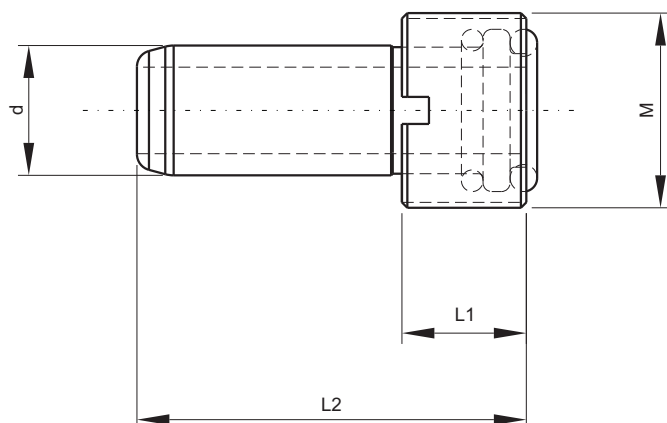


CÓDIGO/Code	ISO	d1	d2	d3	d5	L1	L2	L3	S
UBR 08.7716	40	18.8	12.45	22.86	5/8"-11 UNC	38.1	16.26	11.18	19.05
UBR 08.7724	50	28.96	20.83	35.56	1"-8 UNC	58.42	25.4	17.78	31.75

Exemplo para pedido / Ordering example: 01 pç - **UBR 08.7724**

- Diferentes pinos de fixação, disponíveis sob consulta
Others pull studs, available upon request

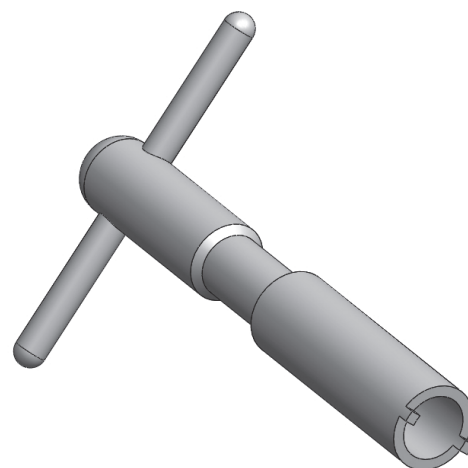
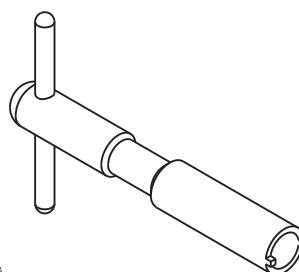
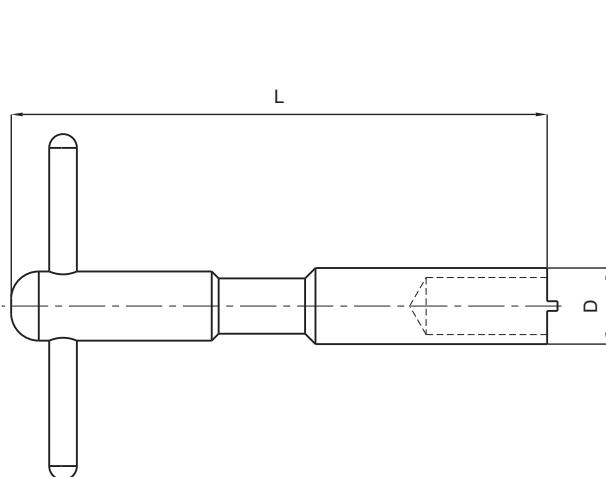
TUBO DE REFRIGERAÇÃO INTERNA
COOLANT TUBES FOR HSK



CÓDIGO/CODE	HSK	M	d	L1	L2
UBR 21.9532	32	M10X1	6	6	26
UBR 21.9540	40	M12X1	8	8	29.50
UBR 21.9550	50	M16X1	10	10	33
UBR 21.9563	63	M18X1	12	12	36.50
UBR 21.9580	80	M20X1.5	14	14	40
UBR 21.95100	100	M24X1.5	16	16	44

Exemplo para pedido / Ordering example: 01 pc - **UBR 21.9550**

CHAVE APERTO TUBO HSK
COOLANT TUBE WRENCH FOR HSK

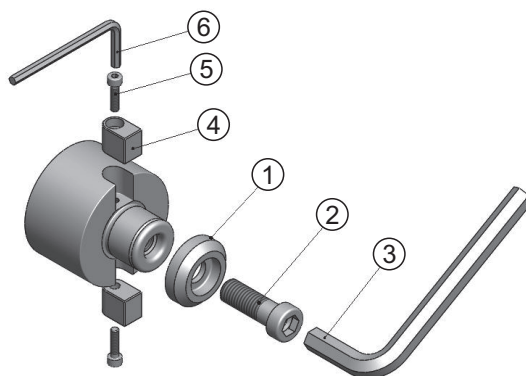


CÓDIGO/CODE	HSK-A	D	L
CHV 21.9532	32	8.5	120
CHV 21.9540	40	10.5	130
CHV 21.9550	50	14.5	135
CHV 21.9563	63	16.5	140
CHV 21.9580	80	18	150
CHV 21.95100	100	22	155

Exemplo para pedido / Ordering example: 01 pc - **CHV 21.9550**

PORTA FRESA DE FACEAR SHELL END MILL HOLDER

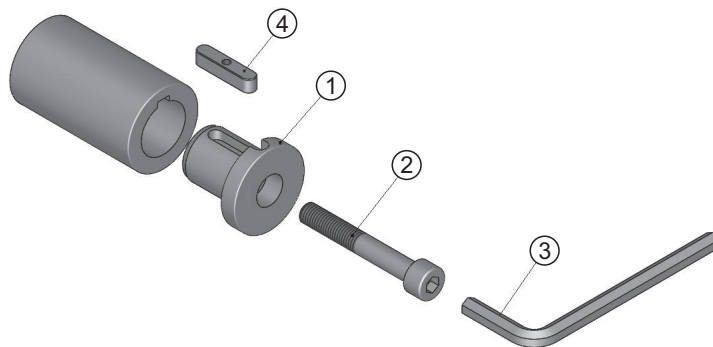
DIN 3937



d1	1-ARRUELA 1-WASHER	2-PARAFUSO 2-SCREW	3-CHAVE 3-WRENCH	4-CHAVETA 4-KEY	5-PARAFUSO 5-SCREW	6-CHAVE 6-WRENCH
16	-	DIN912-M8x25	DIN911-06	CHA21.1916	DIN912-M3x8	DIN911-2.5
22	-	DIN912-M10x30	DIN911-08	CHA21.1922	DIN912-M4x10	DIN911-3
27	ARR21.0427	DIN912-M12x35	DIN911-10	CHA21.1927	DIN912-M5x12	DIN911-4
32	ARR21.0432	DIN912-M16x35	DIN911-14	CHA21.1932	DIN912-M6x12	DIN911-5
40	ARR21.0440	DIN912-M20x30	DIN911-17	CHA21.1940	DIN912-M6x16	DIN911-5

Exemplo para pedido / Ordering example: 01 pç - **ARR21.0427**

PORTA FRESA DE DISCO TIPO PISTÃO SLOTING CUTTER HOLDER PISTON TYPE



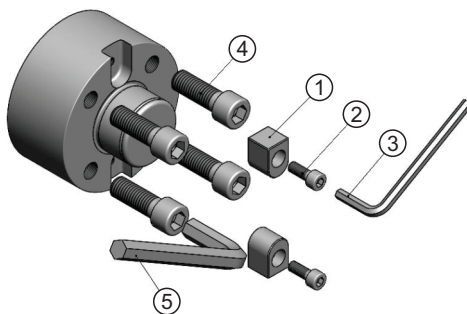
d1	1-EIXO 1-AXIS	2-PARAFUSO 2-SCREW	3-CHAVE 3-WRENCH	4-CHAVETA 4-KEY
16	EPF21.4416	PFX21.4416	DIN911-6	DIN6885-A4x4x25
22	EPF21.4422	PFX21.4422	DIN911-8	DIN6885-A6x6x30
27	EPF21.4427	PFX21.4427	DIN911-10	DIN6885-A7x7x35
32	EPF21.4432	PFX21.4432	DIN911-14	DIN6885-A8x7x55
40	EPF21.4440	PFX21.4440	DIN911-17	DIN6885-A10x8x70

Exemplo para pedido / Ordering example: 01 pç - **EPF21.4427**

COMPONENTES / SPARE PARTS

PORTA FRESA DE FACEAR FACE MILL HOLDER

DIN 6357

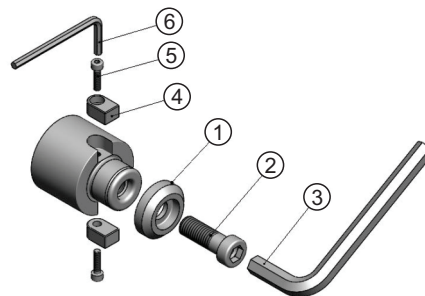


d1	1-CHAVETA 1-KEY	2-PARAFUSO 2-SCREW	3-CHAVE 3-WRENCH	4-PARAFUSO 4-SCREW	5-CHAVE 5-WRENCH
40	CHA21.2440	DIN912-M6x16	DIN911-5	DIN912-M12x45	DIN911-10
60	CHA21.2460	DIN912-M12x25	DIN911-10	DIN912-M16x55	DIN911-14

Exemplo para pedido / Ordering example: 01 pc - **CHA21.2460**

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

ISO 3937

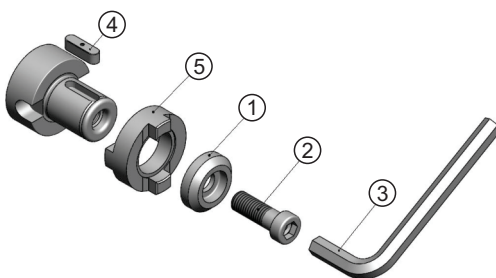


d1	1-ARRUELA 1-WASHER	2-PARAFUSO 2-SCREW	3-CHAVE 3-WRENCH	4-CHAVETA 4-KEY	5-PARAFUSO 5-SCREW	6-CHAVE 6-WRENCH
16	-	DIN912-M8x25	DIN911-6	CHA21.0416	DIN912-M3x8	DIN911-2.5
22	-	DIN912-M10x30	DIN911-8	CHA21.0422	DIN912-M4x10	DIN911-3
27	ARR21.0427	DIN912-M12x35	DIN911-10	CHA21.0427	DIN912-M5x12	DIN911-4
32	ARR21.0432	DIN912-M16x35	DIN911-14	CHA21.0432	DIN912-M6x12	DIN911-5
40	ARR21.0440	DIN912-M20x30	DIN911-17	CHA21.0440	DIN912-M6x16	DIN911-5

Exemplo para pedido / Ordering example: 01 pc - **ARR21.0427**

PORTA FRESA COMBINADO SHELL END MILL HOLDER - COMBI

DIN 6358



d1	1-ARRUELA 1-WASHER	2-PARAFUSO 2-SCREW	3-CHAVE 2-WRENCH	4-CHAVETA 4-KEY	5-ANEL 5-RING
16	ARR21.1416	DIN912-M8x25	DIN911-6	DIN6885-A4x4x20	DIN6366-16
22	ARR21.1422	DIN912-M10x30	DIN911-8	DIN6885-A6x6x25	DIN6366-22
27	ARR21.1427	DIN912-M12x35	DIN911-10	DIN6885-A7x7x25	DIN6366-27
32	ARR21.1432	DIN912-M16x35	DIN911-14	DIN6885-A8x7x28	DIN6366-32
40	ARR21.1440	DIN912-M20x30	DIN911-17	DIN6885-A10x8x32	DIN6366-40
50	ARR21.1450	DIN912-M24x40	DIN911-19	DIN6885-A12x8x36	DIN6366-50
60	ARR21.1460	DIN912-M30x45	DIN911-22	DIN6885-A14x9x50	DIN6366-60

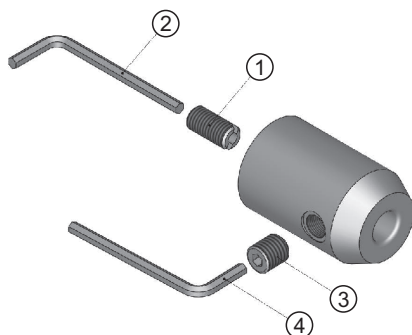
Exemplo para pedido / Ordering example: 01 pc - **ARR21.1427**



UBRA
FERRAMENTAS ESPECIAIS

COMPONENTES / SPARE PARTS

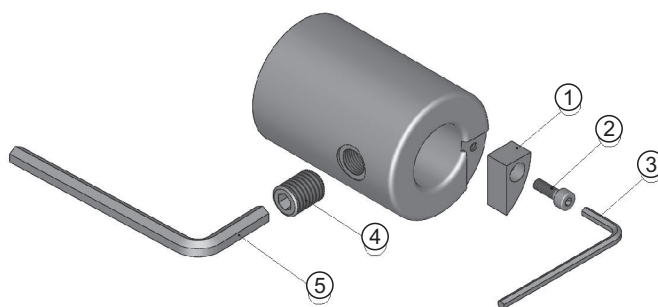
PORTA FERRAMENTA FIXAÇÃO LATERAL DIN 1835-E - WHISTLE NOTCH SIDE LOCK END MILL HOLDER DIN 1835-E - WHISTLE NOTCH



d1	1-PARAFUSO 1-SCREW	2-CHAVE 2-WRENCH	3-PARAFUSO 3-SCREW	4-CHAVE 4-WRENCH
06	PFE21.0005	DIN911-2.5	DIN913-M6x8	DIN911-3
08	PFE21.0006	DIN911-3	DIN913-M8x10	DIN911-4
10	PFE21.0008	DIN911-4	DIN913-M10x12	DIN911-5
12	PFE21.0010	DIN911-5	DIN913-M12x14	DIN911-6
14	PFE21.0010	DIN911-5	DIN913-M12x14	DIN911-6
16	PFE21.0012	DIN911-6	DIN913-M14x16	DIN911-7
18	PFE21.0012	DIN911-6	DIN913-M14x16	DIN911-7
20	PFE21.0016	DIN911-8	DIN913-M16x14	DIN911-8
25	PFE21.0020	DIN911-10	DIN913-M18x2x18	DIN911-9
32	PFE21.0020	DIN911-10	DIN913-M20x2x18	DIN911-10
40	PFE21.0020	DIN911-10	DIN913-M20x2x18	DIN911-10

Exemplo para pedido / Ordering example: 01 pç - **PFE21.0008**

PORTA BROCA PARA HASTE COROMANT WHISTLE NOTCH DRILL HOLDER FOR COROMANT WHISTLE NOTCH SHANK



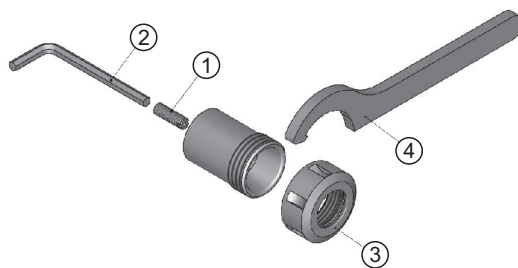
d1	1-CHAVETA 1-KEY	2-PARAFUSO 2-SCREW	3-CHAVE 2-WRENCH	4-PARAFUSO 4-SCREW	5-CHAVE 5-WRENCH
20	CHA21.0120	DIN912-M4x12	DIN911-2	DIN913-M10x10	DIN911-5
25	CHA21.0125	DIN912-M4x12	DIN911-2	DIN913-M12x12	DIN911-6
32	CHA21.0132	DIN912-M6x12	DIN911-3	DIN913-M16x16	DIN911-8
40	CHA21.0140	DIN912-M6x12	DIN911-3	DIN913-M16x16	DIN911-8

Exemplo para pedido / Ordering example: 01 pç - **CHA21.0132**

COMPONENTES / SPARE PARTS

PORTA - PINÇA
COLLET CHUCK HOLDER

DIN ISO 15488
(DIN 6499)

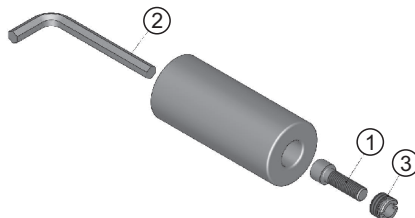


TAMANHO SIZE	1-PARAFUSO 1-SCREW	2-CHAVE 2-WRENCH	3-PORCA 3-NUT	4-CHAVE 4-WRENCH
11	PFE21.0004	DIN911-2	POR21.2311	CHV21.2311
16	PFE21.0006	DIN911-3	POR21.2316	CHV21.2316
20	PFE21.0006	DIN911-3	POR21.2320	CHV21.2320
25	PFE21.0006	DIN911-3	POR21.2325	CHV21.2325
32	PFE21.0008	DIN911-4	POR21.2332	CHV21.2332
40	PFE21.0010	DIN911-5	POR21.2340	CHV21.2340

Exemplo para pedido / Ordering example: 01 pç - **PFE21.0006**

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

DIN 6364-B



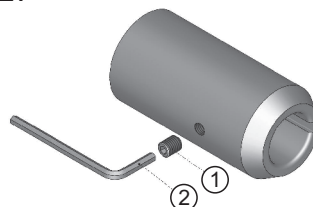
d1	1-PARAFUSO 1-SCREW	2-CHAVE 2-WRENCH	3-PORCA 3-NUT
CM1	PFX21.1501	DIN911-5	POR21.1501*
CM2	PFX21.1502	DIN911-8	POR21.1502*
CM3	PFX21.1503	DIN911-10	POR21.1503*
CM4	PFX21.1504	DIN911-14	POR21.1504
CM5	PFX21.1505	DIN911-17	POR21.1505

Exemplo para pedido / Ordering example: 01 pç - **PFX21.1503**

• Alguns modelos não necessitam o componentes / Some models do not require the component

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

DIN 55058

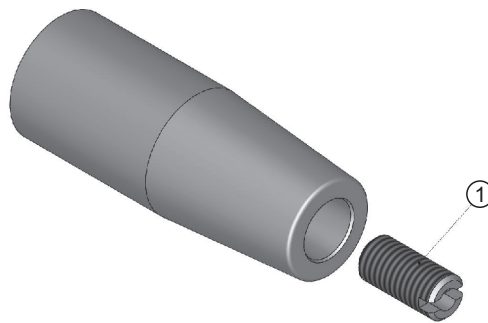


d1	1-PARAFUSO 1-SCREW	2-CHAVE 2-WRENCH
16	DIN913-M6x8	DIN911-3
20	DIN913-M6x10	DIN911-3
28	DIN913-M8x12	DIN911-4
36	DIN913-M8x14	DIN911-4
48	DIN913-M10x16	DIN911-5

Exemplo para pedido / Ordering example: 01 pç - **DIN913-M8x12**

COMPONENTES / SPARE PARTS

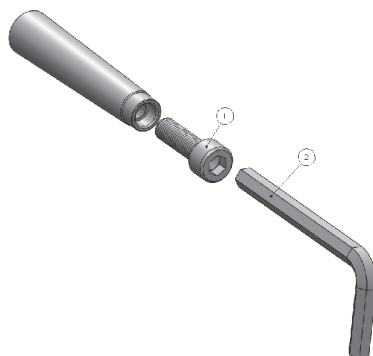
PORTA FERRAMENTA FIXAÇÃO TÉRMICA SHRINK FIT TOOL HOLDER



d1	1-PARAFUSO 1-SCREW
06	PFE21.0005
08	PFE21.0006
10	PFE21.0008
12	PFE21.0008
14	PFE21.0008
16	PFE21.0012
18	PFE21.0012
20	PFE21.0016
25	PFE21.0016
32	PFE21.0016

Exemplo para pedido / Ordering example: 01 pç - **PFE21.0008**

MÓDULO ADAPTADOR HASTE CONE-MORSE DIN 228 A/B MORSE TAPER ADAPTER MODULE FOR DIN 228 A/B SHANK

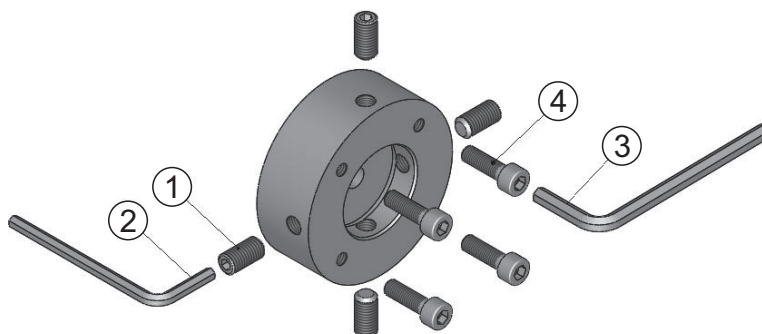


d1	D1	1-PARAFUSO 1-SCREW	2-CHAVE 2-WRENCH
CM1	28	DIN912-M6X70	DIN911-5
CM2	28	DIN912-M10X75	DIN911-8
CM3	28	DIN912-M12X75	DIN911-10
CM1	36	DIN912-M6X80	DIN911-5
CM2	36	DIN912-M10X90	DIN911-8
CM3	36	DIN912-M12X85	DIN911-10
CM4	36	DIN912-M16X95	DIN911-14

Exemplo para pedido / Ordering example: 01 pç - **DIN912-M12X75**

COMPONENTES / SPARE PARTS

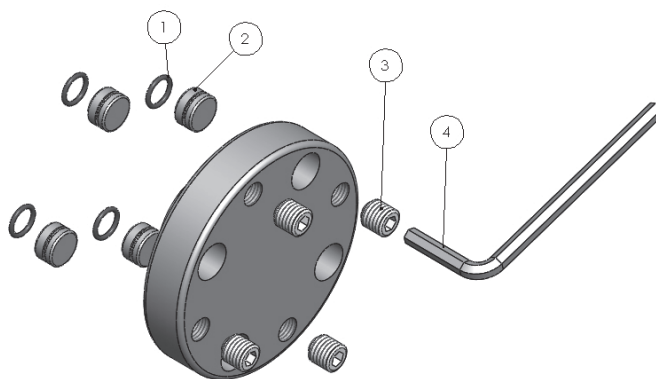
PORTA FERRAMENTA PARA FLANGE DE CENTRAGEM E ALINHAMENTO (FLANGE MONTAGEM) FLANGE CENTERING AND ALIGNMENT TOOL HOLDER (FLANGE MOUNTS)



d1	1-PARAFUSO 1-SCREW	2-CHAVE 2-WRENCH	3-PARAFUSO 3-SCREW	4-CHAVE 4-WRENCH
60	DIN915-M8x1x16	DIN911-4	DIN912-M5x16	DIN911-4
70	DIN915-M8x1x16	DIN911-4	DIN912-M6x20	DIN911-5
80	DIN915-M8x1x20	DIN911-4	DIN912-M6x20	DIN911-5
100	DIN915-M10x1x25	DIN911-5	DIN912-M8x25	DIN911-6
117	DIN915-M10x1x25	DIN911-5	DIN912-M8x25	DIN911-6
140	DIN915-M10x1x30	DIN911-5	DIN912-M10x30	DIN911-8

Exemplo para pedido / Ordering example: 01 pc - **DIN915-M8x1x16**

FLANGE PARA CENTRAGEM E ALINHAMENTO (FLANGE MONTAGEM) FLANGE FOR CENTERING AND ALIGNMENT (FLANGE MOUNTS)

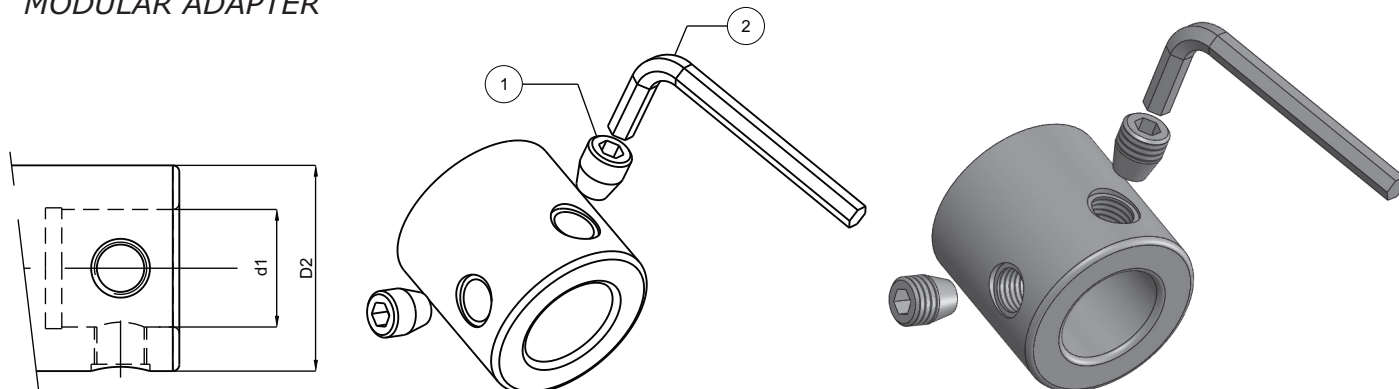


d1	1 - ANEL 1 - RING	2 - CALÇO 2 - SHIM	3 - PARAFUSO 3 - SCREW	4 - CHAVE 4 - WRENCH
60	ANE10.040	CAL21.9735	DIN913-M8x1x8	DIN911-4
70	ANE10.040	CAL21.9735	DIN913-M8x1x8	DIN911-4
80	ANE10.040	CAL21.9735	DIN913-M8x1x12	DIN911-4
100	ANE10.040	CAL21.9735	DIN913-M8X1X12	DIN911-4
117	ANE10.040	CAL21.9735	DIN913-M8X1X14	DIN911-4
140	ANE10.040	CAL21.9735	DIN913-M8X1X20	DIN911-4

Exemplo para pedido / Ordering example: 01 pc - **ANE10.040**

COMPONENTES / SPARE PARTS

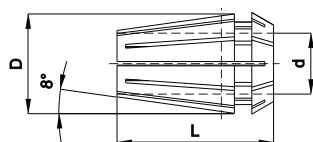
ADAPTADOR MODULAR MODULAR ADAPTER



d1	d2	1-PARAFUSO 1-SCREW	2-CHAVE 2-WRENCH
11	19,50	PFM21.0910	DIN911-2,5
11	22	PFM21.0911	DIN911-2,5
14	25	PFM21.0914	DIN911-4
18	32	PFM21.0918	DIN911-4
22	40	PFM21.0922	DIN911-5
28	50	PFM21.0928	DIN911-6
36	63	PFM21.0936	DIN911-8
36	80	PFM21.0938	DIN911-8
46	100	PFM21.0946	DIN911-10

Exemplo para pedido / Ordering example: 01 pc - **PFM 21.0914**

PINÇAS
COLLETS

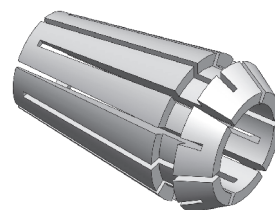
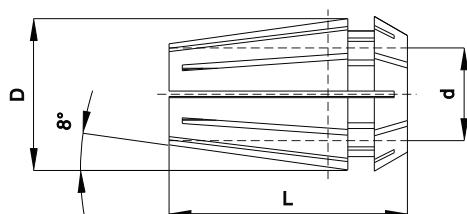


DIN ISO 15488-01
(DIN 6499 - B)

CÓDIGO / CODE	d	ER	D	L
UBR48.1101	1.0	ER 11	11.5	18
UBR48.1101.5	-	ER 11	11.5	18
UBR48.1120	2.0	ER 11	11.5	18
UBR48.1102.5	-	ER 11	11.5	18
UBR48.1103	3.0	ER 11	11.5	18
UBR48.1103.5	-	ER 11	11.5	18
UBR48.1104	4.0	ER 11	11.5	18
UBR48.1104.5	-	ER 11	11.5	18
UBR48.1105	5.0	ER 11	11.5	18
UBR48.1105.5	-	ER 11	11.5	18
UBR48.1106	6.0	ER 11	11.5	18
UBR48.1106.5	-	ER 11	11.5	18
UBR48.1107	7.0	ER 11	11.5	18
UBR48.1601	1.0	ER 16	17	27.50
UBR48.1602	2.0	ER 16	17	27.50
UBR48.1603	3.0	ER 16	17	27.50
UBR48.1604	4.0	ER 16	17	27.50
UBR48.1605	5.0	ER 16	17	27.50
UBR48.1606	6.0	ER 16	17	27.50
UBR48.1607	7.0	ER 16	17	27.50
UBR48.1608	8.0	ER 16	17	27.50
UBR48.1609	9.0	ER 16	17	27.50
UBR48.1610	10.0	ER 16	17	27.50
UBR48.2001	1.0	ER 20	21	31.5
UBR48.2002	2.0	ER 20	21	31.5
UBR48.2003	3.0	ER 20	21	31.5
UBR48.2004	4.0	ER 20	21	31.5
UBR48.2005	5.0	ER 20	21	31.5
UBR48.2006	6.0	ER 20	21	31.5
UBR48.2007	7.0	ER 20	21	31.5
UBR48.2008	8.0	ER 20	21	31.5
UBR48.2009	9.0	ER 20	21	31.5
UBR48.2010	10.0	ER 20	21	31.5
UBR48.2011	11.0	ER 20	21	31.5
UBR48.2012	12.0	ER 20	21	31.5
UBR48.2013	13.0	ER 20	21	31.5
UBR48.2502	2.0	ER 25	26	34
UBR48.2503	3.0	ER 25	26	34
UBR48.2504	4.0	ER 25	26	34
UBR48.2505	5.0	ER 25	26	34
UBR48.2506	6.0	ER 25	26	34
UBR48.2507	7.0	ER 25	26	34
UBR48.2508	8.0	ER 25	26	34
UBR48.2509	9.0	ER 25	26	34
UBR48.2510	10.0	ER 25	26	34
UBR48.2511	11.0	ER 25	26	34
UBR48.2512	12.0	ER 25	26	34
UBR48.2513	13.0	ER 25	26	34
UBR48.2514	14.0	ER 25	26	34
UBR48.2515	15.0	ER 25	26	34
UBR48.2516	16.0	ER 25	26	34

Exemplo para pedido / Ordering example: 01 pç - **UBR48.1120**

PINÇAS COLLETS

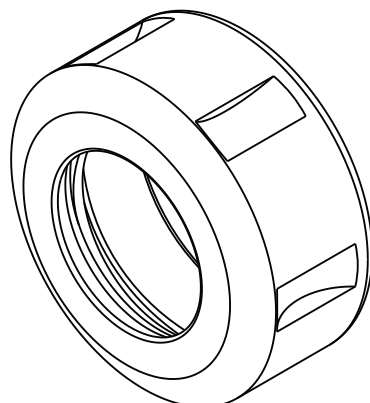
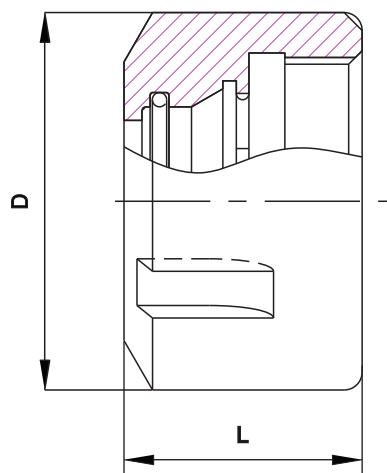


DIN ISO 15488-01
DIN 6499 - B

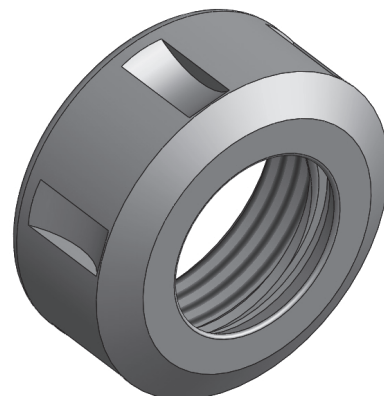
CÓDIGO / CODE	d	ER	D	L
UBR48.3202	2.0	ER-32	33	40
UBR48.3203	3.0	ER-32	33	40
UBR48.3204	4.0	ER-32	33	40
UBR48.3205	5.0	ER-32	33	40
UBR48.3206	6.0	ER-32	33	40
UBR48.3207	7.0	ER-32	33	40
UBR48.3208	8.0	ER-32	33	40
UBR48.3209	9.0	ER-32	33	40
UBR48.3210	10.0	ER-32	33	40
UBR48.3211	11.0	ER-32	33	40
UBR48.3212	12.0	ER-32	33	40
UBR48.3213	13.0	ER-32	33	40
UBR48.3214	14.0	ER-32	33	40
UBR48.3215	15.0	ER-32	33	40
UBR48.3216	16.0	ER-32	33	40
UBR48.3217	17.0	ER-32	33	40
UBR48.3218	18.0	ER-32	33	40
UBR48.3219	19.0	ER-32	33	40
UBR48.3220	20.0	ER-32	33	40
UBR48.4003	3.0	ER-40	41	46
UBR48.4004	4.0	ER-40	41	46
UBR48.4005	5.0	ER-40	41	46
UBR48.4006	6.0	ER-40	41	46
UBR48.4007	7.0	ER-40	41	46
UBR48.4008	8.0	ER-40	41	46
UBR48.4009	9.0	ER-40	41	46
UBR48.4010	10.0	ER-40	41	46
UBR48.4011	11.0	ER-40	41	46
UBR48.4012	12.0	ER-40	41	46
UBR48.4013	13.0	ER-40	41	46
UBR48.4014	14.0	ER-40	41	46
UBR48.4015	15.0	ER-40	41	46
UBR48.4016	16.0	ER-40	41	46
UBR48.4017	17.0	ER-40	41	46
UBR48.4018	18.0	ER-40	41	46
UBR48.4019	19.0	ER-40	41	46
UBR48.4020	20.0	ER-40	41	46
UBR48.4021	21.0	ER-40	41	46
UBR48.4022	22.0	ER-40	41	46
UBR48.4023	23.0	ER-40	41	46
UBR48.4024	24.0	ER-40	41	46
UBR48.4025	25.0	ER-40	41	46
UBR48.4026	26.0	ER-40	41	46

Exemplo para pedido / Ordering example: 01 pç - UBR48.3204

PORCAS SELADAS SEALING NUTS



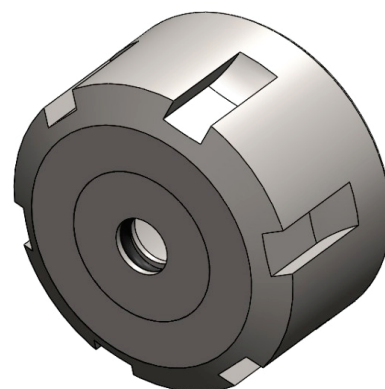
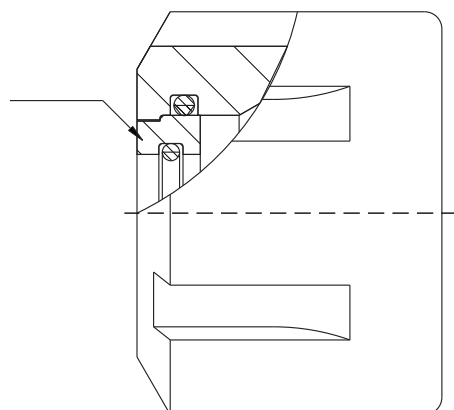
DIN ISO 15488-01 (DIN 6499-D)



CÓDIGO / CODE	D	L
POR 21.2316-R	28	24
POR 21.2320-R	35	26.50
POR 21.2325-R	42	26.50
POR 21.2332-R	50	29
POR 21.2340-R	63	32

Exemplo para pedido / Ordering example: 01 pç - POR 21.2325-R

PORCA SELADA SEALING NUT



MONTADO COM ANEL / ASSEMBLY RING

PORCA NUT	ANEL RING	CAPACIDADE RANGE
POR21.2316-R	ANE21.2316-R	1-10
POR21.2320-R	ANE21.2320-R	1-13
POR21.2325-R	ANE21.2325-R	2-16
POR21.2332-R	ANE21.2325-R	3-20
POR21.2340-R	ANE21.2325-R	4-26

Exemplo para pedido / Ordering example: 01 pç - POR 21.2325-R

- Informar Ø Broca. Ex: Ø3 - ANE 21.2316-R03 / Ø Drill inform. Ex: Ø3 - ANE 21.2316-R03
- As porcas seladas são usadas em conjunto com os anéis de vedação para porta-piças com refrigeração interna.
Sealing nuts are used together with sealing rings for collet chucks with internal cooling.
- As porcas não são fornecidas com portas-piças, devem ser pedidas em separado.
Sealing nuts are not supplied with collet chucks, must be ordered separately.



UBRA
FERRAMENTAS ESPECIAIS