

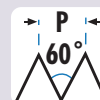
**BLUE-MASTER®**  
by *celesa*



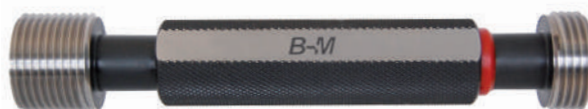
CALIBRES  
E TAMPÕES

**CALIBRES DE ROSCA M/MF - TAMPÕES**
**M**  
**MF**




 Ref. CT      PASSA / NÃO PASSA  
 Ref. CTP      PASSA  
 Ref. CTNP      NÃO PASSA

**DIN**  
**13**
**DIN/ISO**  
**1502**
**TOL**  
**6H**

**X210**  
**Cr12**

Ref. CT



\* O certificado do calibre está incluído no preço.

	 PASSA / NÃO PASSA	CT	 PASSA	CTP	 NÃO PASSA	CTNP
		€		€		€
M 1,1x0,25	CTM01,1x0,25	295,33*	CTPM01,1x0,25	-	CTNPM01,1x0,25	-
M 1,2x0,25	CTM01,2x0,25	295,33*	CTPM01,2x0,25	-	CTNPM01,2x0,25	-
M 1,4x0,30	CTM01,4x0,30	295,33*	CTPM01,4x0,30	-	CTNPM01,4x0,30	-
M 1,6x0,35	CTM01,6x0,35	158,23	CTPM01,6x0,35	-	CTNPM01,6x0,35	-
M 1,8x0,35	CTM01,8x0,35	137,94	CTPM01,8x0,35	-	CTNPM01,8x0,35	-
M 2x0,40	CTM02x0,40	147,68	CTPM02x0,40	-	CTNPM02x0,40	-
M 2,2x0,45	CTM02,2x0,45	151,19	CTPM02,2x0,45	-	CTNPM02,2x0,45	-
M 2,3x0,40	CTM02,3x0,40	153,71	CTPM02,3x0,40	-	CTNPM02,3x0,40	-
M 2,5x0,45	CTM02,5x0,45	146,67	CTPM02,5x0,45	-	CTNPM02,5x0,45	-
M 2,6x0,45	CTM02,6x0,45	149,35	CTPM02,6x0,45	-	CTNPM02,6x0,45	-
M 3x0,50	CTM03x0,50	119,56	CTPM03x0,50	-	CTNPM03x0,50	-
M 3,5x0,60	CTM03,5x0,60	116,02	CTPM03,5x0,60	-	CTNPM03,5x0,60	-
M 4x0,50	CTM04x0,50	135,73	CTPM04x0,50	-	CTNPM04x0,50	-
M 4x0,70	CTM04x0,70	112,53	CTPM04x0,70	-	CTNPM04x0,70	-
M 4,5x0,75	CTM04,5x0,75	157,40	CTPM04,5x0,75	-	CTNPM04,5x0,75	-
M 5x0,50	CTM05x0,50	141,77	CTPM05x0,50	-	CTNPM05x0,50	-
M 5x0,75	CTM05x0,75	154,71	CTPM05x0,75	-	CTNPM05x0,75	-
M 5x0,80	CTM05x0,80	109,00	CTPM05x0,80	-	CTNPM05x0,80	-
M 6x0,50	CTM06x0,50	141,77	CTPM06x0,50	-	CTNPM06x0,50	-
M 6x0,75	CTM06x0,75	147,68	CTPM06x0,75	-	CTNPM06x0,75	-
M 6x1,00	CTM06x1,00	105,48	CTPM06x1,00	-	CTNPM06x1,00	-
M 7x0,75	CTM07x0,75	151,19	CTPM07x0,75	-	CTNPM07x0,75	-
M 7x1,00	CTM07x1,00	121,31	CTPM07x1,00	-	CTNPM07x1,00	-
M 8x0,50	CTM08x0,50	141,77	CTPM08x0,50	-	CTNPM08x0,50	-
M 8x0,75	CTM08x0,75	154,71	CTPM08x0,75	-	CTNPM08x0,75	-
M 8x1,00	CTM08x1,00	129,83	CTPM08x1,00	-	CTNPM08x1,00	-
M 8x1,25	CTM08x1,25	109,00	CTPM08x1,25	-	CTNPM08x1,25	-
M 9x1,00	CTM09x1,00	140,65	CTPM09x1,00	-	CTNPM09x1,00	-
M 9x1,25	CTM09x1,25	112,53	CTPM09x1,25	-	CTNPM09x1,25	-
M 10x0,75	CTM10x0,75	161,75	CTPM10x0,75	-	CTNPM10x0,75	-
M 10x1,00	CTM10x1,00	147,68	CTPM10x1,00	-	CTNPM10x1,00	-
M 10x1,25	CTM10x1,25	151,19	CTPM10x1,25	-	CTNPM10x1,25	-
M 10x1,50	CTM10x1,50	116,02	CTPM10x1,50	-	CTNPM10x1,50	-
M 11x1,00	CTM11x1,00	154,71	CTPM11x1,00	-	CTNPM11x1,00	-
M 11x1,50	CTM11x1,50	119,56	CTPM11x1,50	-	CTNPM11x1,50	-
M 12x0,75	CTM12x0,75	168,78	CTPM12x0,75	-	CTNPM12x0,75	-
M 12x1,00	CTM12x1,00	157,18	CTPM12x1,00	-	CTNPM12x1,00	-

\*Até o fim das existências.

**CALIBRES DE ROSCA M/MF - TAMPÕES**



Ref. CT PASSA / NÃO PASSA  
 Ref. CTP PASSA  
 Ref. CTNP NÃO PASSA

**DIN 13**    **DIN/ISO 1502**    **TOL 6H**       **X210 Cr12**

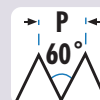


\* O certificado do calibre está incluído no preço.

		CT	CTP		CTNP	
		€	PASSA	€	NÃO PASSA	€
		PASSA / NÃO PASSA				
M 12x1,25	CTM12x1,25	165,27	CTPM12x1,25	-	CTNPM12x1,25	-
M 12x1,50	CTM12x1,50	140,65	CTPM12x1,50	-	CTNPM12x1,50	-
M 12x1,75	CTM12x1,75	123,07	CTPM12x1,75	-	CTNPM12x1,75	-
M 13x1,00	CTM13x1,00	165,27	CTPM13x1,00	-	CTNPM13x1,00	-
M 13x1,50	CTM13x1,50	151,19	CTPM13x1,50	-	CTNPM13x1,50	-
M 14x1,00	CTM14x1,00	168,78	CTPM14x1,00	-	CTNPM14x1,00	-
M 14x1,25	CTM14x1,25	165,27	CTPM14x1,25	-	CTNPM14x1,25	-
M 14x1,50	CTM14x1,50	154,71	CTPM14x1,50	-	CTNPM14x1,50	-
M 14x2,00	CTM14x2,00	130,11	CTPM14x2,00	-	CTNPM14x2,00	-
M 15x1,00	CTM15x1,00	172,29	CTPM15x1,00	-	CTNPM15x1,00	-
M 15x1,50	CTM15x1,50	161,75	CTPM15x1,50	-	CTNPM15x1,50	-
M 16x1,00	CTM16x1,00	182,84	CTPM16x1,00	-	CTNPM16x1,00	-
M 16x1,50	CTM16x1,50	165,27	CTPM16x1,50	-	CTNPM16x1,50	-
M 16x2,00	CTM16x2,00	144,16	CTPM16x2,00	-	CTNPM16x2,00	-
M 18x1,00	CTM18x1,00	168,12	CTPM18x1,00	-	CTNPM18x1,00	-
M 18x1,50	CTM18x1,50	172,29	CTPM18x1,50	-	CTNPM18x1,50	-
M 18x2,00	CTM18x2,00	172,29	CTPM18x2,00	-	CTNPM18x2,00	-
M 18x2,50	CTM18x2,50	154,71	CTPM18x2,50	-	CTNPM18x2,50	-
M 20x1,00	CTM20x1,00	200,44	CTPM20x1,00	-	CTNPM20x1,00	-
M 20x1,50	CTM20x1,50	182,84	CTPM20x1,50	-	CTNPM20x1,50	-
M 20x2,00	CTM20x2,00	182,84	CTPM20x2,00	-	CTNPM20x2,00	-
M 20x2,50	CTM20x2,50	165,27	CTPM20x2,50	-	CTNPM20x2,50	-
M 22x1,00	CTM22x1,00	214,32	CTPM22x1,00	-	CTNPM22x1,00	-
M 22x1,50	CTM22x1,50	197,58	CTPM22x1,50	-	CTNPM22x1,50	-
M 22x2,00	CTM22x2,00	207,46	CTPM22x2,00	-	CTNPM22x2,00	-
M 22x2,50	CTM22x2,50	175,80	CTPM22x2,50	-	CTNPM22x2,50	-
M 24x1,00	CTM24x1,00	228,17	CTPM24x1,00	-	CTNPM24x1,00	-
M 24x1,50	CTM24x1,50	207,62	CTPM24x1,50	-	CTNPM24x1,50	-
M 24x2,00	CTM24x2,00	207,62	CTPM24x2,00	-	CTNPM24x2,00	-
M 24x3,00	CTM24x3,00	196,91	CTPM24x3,00	-	CTNPM24x3,00	-
M 25x1,00	CTM25x1,00	234,41	CTPM25x1,00	-	CTNPM25x1,00	-
M 25x1,50	CTM25x1,50	214,32	CTPM25x1,50	-	CTNPM25x1,50	-
M 25x2,00	CTM25x2,00	214,32	CTPM25x2,00	-	CTNPM25x2,00	-
M 26x1,00	CTM26x1,00	256,67	CTPM26x1,00	-	CTNPM26x1,00	-
M 26x1,50	CTM26x1,50	232,07	CTPM26x1,50	-	CTNPM26x1,50	-
M 26x2,00	CTM26x2,00	232,07	CTPM26x2,00	-	CTNPM26x2,00	-
M 27x1,00	CTM27x1,00	253,44	CTPM27x1,00	-	CTNPM27x1,00	-
M 27x1,50	CTM27x1,50	232,88	CTPM27x1,50	-	CTNPM27x1,50	-
M 27x2,00	CTM27x2,00	232,88	CTPM27x2,00	-	CTNPM27x2,00	-
M 27x3,00	CTM27x3,00	222,96	CTPM27x3,00	-	CTNPM27x3,00	-
M 28x1,50	CTM28x1,50	246,14	CTPM28x1,50	-	CTNPM28x1,50	-
M 28x2,00	CTM28x2,00	246,14	CTPM28x2,00	-	CTNPM28x2,00	-
M 30x1,00	CTM30x1,00	271,43	CTPM30x1,00	-	CTNPM30x1,00	-
M 30x1,50	CTM30x1,50	256,87	CTPM30x1,50	-	CTNPM30x1,50	-
M 30x2,00	CTM30x2,00	256,87	CTPM30x2,00	-	CTNPM30x2,00	-
M 30x3,00	CTM30x3,00	291,11	CTPM30x3,00	-	CTNPM30x3,00	-
M 30x3,50	CTM30x3,50	244,53	CTPM30x3,50	-	CTNPM30x3,50	-
M 32x1,00	CTM32x1,00	271,71	CTPM32x1,00	-	CTNPM32x1,00	-
M 32x1,50	CTM32x1,50	246,14	CTPM32x1,50	-	CTNPM32x1,50	-

**CALIBRES DE ROSCA M/MF - TAMPÕES**
**M**  
**MF**

 Ref. CT PASSA / NÃO PASSA  
 Ref. CTP PASSA  
 Ref. CTNP NÃO PASSA

**DIN**  
**13**
**DIN/ISO**  
**1502**
**TOL**  
**6H**

**X210**  
**Cr12**


\* O certificado do calibre está incluído no preço.

	PASSA / NÃO PASSA	CT	PASSA	CTP	NÃO PASSA	CTNP
		€		€		€
M 32x2,00	CTM32x2,00	246,14	CTPM32x2,00	-	CTNPM32x2,00	-
M 33x1,00	CTM33x1,00	285,28	CTPM33x1,00	-	CTNPM33x1,00	-
M 33x1,50	CTM33x1,50	270,56	CTPM33x1,50	-	CTNPM33x1,50	-
M 33x2,00	CTM33x2,00	270,56	CTPM33x2,00	-	CTNPM33x2,00	-
M 33x3,00	CTM33x3,00	285,28	CTPM33x3,00	-	CTNPM33x3,00	-
M 33x3,50	CTM33x3,50	269,70	CTPM33x3,50	-	CTNPM33x3,50	-
M 34x1,50	CTM34x1,50	262,12	CTPM34x1,50	-	CTNPM34x1,50	-
M 34x2,00	CTM34x2,00	262,12	CTPM34x2,00	-	CTNPM34x2,00	-
M 35x1,00	CTM35x1,00	290,89	CTPM35x1,00	-	CTNPM35x1,00	-
M 35x1,50	CTM35x1,50	265,31	CTPM35x1,50	-	CTNPM35x1,50	-
M 35x2,00	CTM35x2,00	265,31	CTPM35x2,00	-	CTNPM35x2,00	-
M 36x1,00	CTM36x1,00	306,87	CTPM36x1,00	-	CTNPM36x1,00	-
M 36x1,50	CTM36x1,50	291,11	CTPM36x1,50	-	CTNPM36x1,50	-
M 36x2,00	CTM36x2,00	291,11	CTPM36x2,00	-	CTNPM36x2,00	-
M 36x4,00	CTM36x4,00	291,29	CTPM36x4,00	-	CTNPM36x4,00	-
M 38x1,00	CTM38x1,00	319,65	CTPM38x1,00	-	CTNPM38x1,00	-
M 38x1,50	CTM38x1,50	290,89	CTPM38x1,50	-	CTNPM38x1,50	-
M 38x2,00	CTM38x2,00	290,89	CTPM38x2,00	-	CTNPM38x2,00	-
M 39x1,00	CTM39x1,00	333,07	CTPM39x1,00	-	CTNPM39x1,00	-
M 39x1,50	CTM39x1,50	315,09	CTPM39x1,50	-	CTNPM39x1,50	-
M 39x2,00	CTM39x2,00	315,09	CTPM39x2,00	-	CTNPM39x2,00	-
M 39x3,00	CTM39x3,00	333,07	CTPM39x3,00	-	CTNPM39x3,00	-
M 39x4,00	CTM39x4,00	320,06	CTPM39x4,00	-	CTNPM39x4,00	-
M 40x1,00	CTM40x1,00	314,63	CTPM40x1,00	-	CTNPM40x1,00	-
M 40x1,50	CTM40x1,50	298,34	CTPM40x1,50	-	CTNPM40x1,50	-
M 40x2,00	CTM40x2,00	298,34	CTPM40x2,00	-	CTNPM40x2,00	-
M 40x3,00	CTM40x3,00	314,63	CTPM40x3,00	-	CTNPM40x3,00	-
M 42x1,00	CTM42x1,00	370,40	CTPM42x1,00	-	CTNPM42x1,00	-
M 42x1,50	CTM42x1,50	363,20	CTPM42x1,50	-	CTNPM42x1,50	-
M 42x2,00	CTM42x2,00	363,20	CTPM42x2,00	-	CTNPM42x2,00	-
M 42x3,00	CTM42x3,00	365,27	CTPM42x3,00	-	CTNPM42x3,00	-
M 42x4,50	CTM42x4,50	377,60	CTPM42x4,50	-	CTNPM42x4,50	-
M 45x1,00	CTM45x1,00	343,25	CTPM45x1,00	-	CTNPM45x1,00	-
M 45x1,50	CTM45x1,50	335,63	CTPM45x1,50	-	CTNPM45x1,50	-
M 45x2,00	CTM45x2,00	336,10	CTPM45x2,00	-	CTNPM45x2,00	-
M 45x3,00	CTM45x3,00	337,91	CTPM45x3,00	-	CTNPM45x3,00	-
M 45x4,00	CTM45x4,00	428,33	CTPM45x4,00	-	CTNPM45x4,00	-
M 45x4,50	CTM45x4,50		CTPM45x4,50	228,88	CTNPM45x4,50	228,88
M 48x1,00	CTM48x1,00	449,33	CTPM48x1,00	-	CTNPM48x1,00	-
M 48x1,50	CTM48x1,50	354,82	CTPM48x1,50	-	CTNPM48x1,50	-
M 48x2,00	CTM48x2,00	361,20	CTPM48x2,00	-	CTNPM48x2,00	-
M 48x3,00	CTM48x3,00	399,57	CTPM48x3,00	-	CTNPM48x3,00	-
M 48x4,00	CTM48x4,00	453,90	CTPM48x4,00	-	CTNPM48x4,00	-
M 48x5,00	CTM48x5,00		CTPM48x5,00	248,62	CTNPM48x5,00	248,62
M 50x1,00	CTM50x1,00	465,78	CTPM50x1,00	-	CTNPM50x1,00	-
M 50x1,50	CTM50x1,50	370,81	CTPM50x1,50	-	CTNPM50x1,50	-
M 50x2,00	CTM50x2,00	377,18	CTPM50x2,00	-	CTNPM50x2,00	-
M 50x3,00	CTM50x3,00	418,74	CTPM50x3,00	-	CTNPM50x3,00	-
M 52x1,00	CTM52x1,00	490,44	CTPM52x1,00	-	CTNPM52x1,00	-

**CALIBRES DE ROSCA M/MF - TAMPÕES**

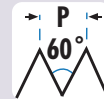


Ref. CT PASSA / NÃO PASSA  
 Ref. CTP PASSA  
 Ref. CTNP NÃO PASSA

**DIN  
13**

**DIN/ISO  
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**TOL  
6H**



**X210  
Cr12**



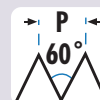
\* O certificado do calibre está incluído no preço.

		CT		CTP		CTNP	
		€		€		€	
PASSA / NÃO PASSA			PASSA		NÃO PASSA		
M 52x1,50	CTM52x1,50	<b>383,58</b>	CTPM52x1,50	-	CTNPM52x1,50	-	-
M 52x2,00	CTM52x2,00	<b>396,37</b>	CTPM52x2,00	-	CTNPM52x2,00	-	-
M 52x3,00	CTM52x3,00	<b>441,12</b>	CTPM52x3,00	-	CTNPM52x3,00	-	-
M 52x4,00	CTM52x4,00	<b>427,42</b>	CTPM52x4,00	-	CTNPM52x4,00	-	-
M 52x5,00	CTM52x5,00	-	CTPM52x5,00	<b>264,41</b>	CTNPM52x5,00	<b>264,41</b>	-
M 55x1,00	CTM55x1,00	<b>520,58</b>	CTPM55x1,00	-	CTNPM55x1,00	-	-
M 55x1,50	CTM55x1,50	<b>396,37</b>	CTPM55x1,50	-	CTNPM55x1,50	-	-
M 55x2,00	CTM55x2,00	<b>418,74</b>	CTPM55x2,00	-	CTNPM55x2,00	-	-
M 55x3,00	CTM55x3,00	<b>422,25</b>	CTPM55x3,00	-	CTNPM55x3,00	-	-
M 55x4,00	CTM55x4,00	<b>474,30</b>	CTPM55x4,00	-	CTNPM55x4,00	-	-
M 56x1,00	CTM56x1,00	-	CTPM56x1,00	<b>339,79</b>	CTNPM56x1,00	<b>339,79</b>	-
M 56x1,50	CTM56x1,50	-	CTPM56x1,50	<b>306,63</b>	CTNPM56x1,50	<b>306,63</b>	-
M 56x2,00	CTM56x2,00	-	CTPM56x2,00	<b>306,63</b>	CTNPM56x2,00	<b>306,63</b>	-
M 56x3,00	CTM56x3,00	-	CTPM56x3,00	<b>339,79</b>	CTNPM56x3,00	<b>339,79</b>	-
M 56x4,00	CTM56x4,00	-	CTPM56x4,00	<b>339,79</b>	CTNPM56x4,00	<b>339,79</b>	-
M 56x5,50	CTM56x5,50	-	CTPM56x5,50	<b>306,63</b>	CTNPM56x5,50	<b>306,63</b>	-
M 58x1,00	CTM58x1,00	-	CTPM58x1,00	<b>352,22</b>	CTNPM58x1,00	<b>352,22</b>	-
M 58x1,50	CTM58x1,50	-	CTPM58x1,50	<b>310,78</b>	CTNPM58x1,50	<b>310,78</b>	-
M 58x2,00	CTM58x2,00	-	CTPM58x2,00	<b>310,78</b>	CTNPM58x2,00	<b>310,78</b>	-
M 58x3,00	CTM58x3,00	-	CTPM58x3,00	<b>352,22</b>	CTNPM58x3,00	<b>352,22</b>	-
M 60x1,00	CTM60x1,00	-	CTPM60x1,00	<b>364,64</b>	CTNPM60x1,00	<b>364,64</b>	-
M 60x1,50	CTM60x1,50	-	CTPM60x1,50	<b>327,34</b>	CTNPM60x1,50	<b>327,34</b>	-
M 60x2,00	CTM60x2,00	-	CTPM60x2,00	<b>327,34</b>	CTNPM60x2,00	<b>327,34</b>	-
M 60x3,00	CTM60x3,00	-	CTPM60x3,00	<b>364,64</b>	CTNPM60x3,00	<b>364,64</b>	-
M 60x4,00	CTM60x4,00	-	CTPM60x4,00	<b>364,64</b>	CTNPM60x4,00	<b>364,64</b>	-
M 60x5,50	CTM60x5,50	-	CTPM60x5,50	<b>327,34</b>	CTNPM60x5,50	<b>327,34</b>	-
M 62x1,00	CTM62x1,00	-	CTPM62x1,00	<b>377,08</b>	CTNPM62x1,00	<b>377,08</b>	-
M 62x1,50	CTM62x1,50	-	CTPM62x1,50	<b>339,79</b>	CTNPM62x1,50	<b>339,79</b>	-
M 62x2,00	CTM62x2,00	-	CTPM62x2,00	<b>339,79</b>	CTNPM62x2,00	<b>339,79</b>	-
M 62x3,00	CTM62x3,00	-	CTPM62x3,00	<b>377,08</b>	CTNPM62x3,00	<b>377,08</b>	-
M 64x1,00	CTM64x1,00	-	CTPM64x1,00	<b>381,23</b>	CTNPM64x1,00	<b>381,23</b>	-
M 64x1,50	CTM64x1,50	-	CTPM64x1,50	<b>352,22</b>	CTNPM64x1,50	<b>352,22</b>	-
M 64x2,00	CTM64x2,00	-	CTPM64x2,00	<b>352,22</b>	CTNPM64x2,00	<b>352,22</b>	-
M 64x3,00	CTM64x3,00	-	CTPM64x3,00	<b>381,23</b>	CTNPM64x3,00	<b>381,23</b>	-
M 64x4,00	CTM64x4,00	-	CTPM64x4,00	<b>381,23</b>	CTNPM64x4,00	<b>381,23</b>	-
M 64x6,00	CTM64x6,00	-	CTPM64x6,00	<b>360,51</b>	CTNPM64x6,00	<b>360,51</b>	-
M 65x1,00	CTM65x1,00	-	CTPM65x1,00	<b>389,50</b>	CTNPM65x1,00	<b>389,50</b>	-
M 65x2,00	CTM65x2,00	-	CTPM65x2,00	<b>364,64</b>	CTNPM65x2,00	<b>364,64</b>	-
M 65x3,00	CTM65x3,00	-	CTPM65x3,00	<b>389,50</b>	CTNPM65x3,00	<b>389,50</b>	-
M 68x1,00	CTM68x1,00	-	CTPM68x1,00	<b>410,22</b>	CTNPM68x1,00	<b>410,22</b>	-
M 68x1,50	CTM68x1,50	-	CTPM68x1,50	<b>377,08</b>	CTNPM68x1,50	<b>377,08</b>	-
M 68x2,00	CTM68x2,00	-	CTPM68x2,00	<b>377,08</b>	CTNPM68x2,00	<b>377,08</b>	-
M 68x3,00	CTM68x3,00	-	CTPM68x3,00	<b>410,22</b>	CTNPM68x3,00	<b>410,22</b>	-
M 68x4,00	CTM68x4,00	-	CTPM68x4,00	<b>410,22</b>	CTNPM68x4,00	<b>410,22</b>	-
M 68x6,00	CTM68x6,00	-	CTPM68x6,00	<b>377,08</b>	CTNPM68x6,00	<b>377,08</b>	-
M 70x1,00	CTM70x1,00	-	CTPM70x1,00	<b>426,80</b>	CTNPM70x1,00	<b>426,80</b>	-
M 70x1,50	CTM70x1,50	-	CTPM70x1,50	<b>389,50</b>	CTNPM70x1,50	<b>389,50</b>	-






**CALIBRES DE ROSCA M/MF - TAMPÕES**
**M**  
**MF**

 Ref. CT      PASSA / NÃO PASSA  
 Ref. CTP      PASSA  
 Ref. CTNP      NÃO PASSA

**DIN**  
**13**
**DIN/ISO**  
**1502**
**TOL**  
**6H**

**X210**  
**Cr12**


\* O certificado do calibre está incluído no preço.

	 PASSA / NÃO PASSA	CT		CTP		CTNP	
		€	 PASSA	€	 NÃO PASSA	€	
M 70x2,00	CTM70x2,00	-	CTPM70x2,00	<b>389,50</b>	CTNPM70x2,00	<b>389,50</b>	
M 70x3,00	CTM70x3,00	-	CTPM70x3,00	<b>426,80</b>	CTNPM70x3,00	<b>426,80</b>	
M 70x4,00	CTM70x4,00	-	CTPM70x4,00	<b>426,80</b>	CTNPM70x4,00	<b>426,80</b>	
M 70x6,00	CTM70x6,00	-	CTPM70x6,00	<b>464,09</b>	CTNPM70x6,00	<b>464,09</b>	
M 72x1,00	CTM72x1,00	-	CTPM72x1,00	<b>435,09</b>	CTNPM72x1,00	<b>435,09</b>	
M 72x1,50	CTM72x1,50	-	CTPM72x1,50	<b>397,79</b>	CTNPM72x1,50	<b>397,79</b>	
M 72x2,00	CTM72x2,00	-	CTPM72x2,00	<b>397,79</b>	CTNPM72x2,00	<b>397,79</b>	
M 72x3,00	CTM72x3,00	-	CTPM72x3,00	<b>435,09</b>	CTNPM72x3,00	<b>435,09</b>	
M 72x4,00	CTM72x4,00	-	CTPM72x4,00	<b>435,09</b>	CTNPM72x4,00	<b>435,09</b>	
M 72x6,00	CTM72x6,00	-	CTPM72x6,00	<b>472,37</b>	CTNPM72x6,00	<b>472,37</b>	
M 75x1,00	CTM75x1,00	-	CTPM75x1,00	<b>459,94</b>	CTNPM75x1,00	<b>459,94</b>	
M 75x1,50	CTM75x1,50	-	CTPM75x1,50	<b>414,37</b>	CTNPM75x1,50	<b>414,37</b>	
M 75x2,00	CTM75x2,00	-	CTPM75x2,00	<b>414,37</b>	CTNPM75x2,00	<b>414,37</b>	
M 75x3,00	CTM75x3,00	-	CTPM75x3,00	<b>459,94</b>	CTNPM75x3,00	<b>459,94</b>	
M 75x4,00	CTM75x4,00	-	CTPM75x4,00	<b>459,94</b>	CTNPM75x4,00	<b>459,94</b>	
M 76x1,00	CTM76x1,00	-	CTPM76x1,00	<b>459,94</b>	CTNPM76x1,00	<b>459,94</b>	
M 76x1,50	CTM76x1,50	-	CTPM76x1,50	<b>418,51</b>	CTNPM76x1,50	<b>418,51</b>	
M 76x2,00	CTM76x2,00	-	CTPM76x2,00	<b>418,51</b>	CTNPM76x2,00	<b>418,51</b>	
M 76x3,00	CTM76x3,00	-	CTPM76x3,00	<b>459,94</b>	CTNPM76x3,00	<b>459,94</b>	
M 76x4,00	CTM76x4,00	-	CTPM76x4,00	<b>459,94</b>	CTNPM76x4,00	<b>459,94</b>	
M 76x6,00	CTM76x6,00	-	CTPM76x6,00	<b>484,81</b>	CTNPM76x6,00	<b>484,81</b>	
M 80x1,00	CTM80x1,00	-	CTPM80x1,00	<b>484,81</b>	CTNPM80x1,00	<b>484,81</b>	
M 80x1,50	CTM80x1,50	-	CTPM80x1,50	<b>443,39</b>	CTNPM80x1,50	<b>443,39</b>	
M 80x2,00	CTM80x2,00	-	CTPM80x2,00	<b>443,39</b>	CTNPM80x2,00	<b>443,39</b>	
M 80x3,00	CTM80x3,00	-	CTPM80x3,00	<b>484,81</b>	CTNPM80x3,00	<b>484,81</b>	
M 80x4,00	CTM80x4,00	-	CTPM80x4,00	<b>484,81</b>	CTNPM80x4,00	<b>484,81</b>	
M 80x6,00	CTM80x6,00	-	CTPM80x6,00	<b>517,97</b>	CTNPM80x6,00	<b>517,97</b>	
M 85x1,50	CTM85x1,50	-	CTPM85x1,50	<b>472,37</b>	CTNPM85x1,50	<b>472,37</b>	
M 85x2,00	CTM85x2,00	-	CTPM85x2,00	<b>472,37</b>	CTNPM85x2,00	<b>472,37</b>	
M 85x3,00	CTM85x3,00	-	CTPM85x3,00	<b>517,97</b>	CTNPM85x3,00	<b>517,97</b>	
M 85x4,00	CTM85x4,00	-	CTPM85x4,00	<b>517,97</b>	CTNPM85x4,00	<b>517,97</b>	
M 85x6,00	CTM85x6,00	-	CTPM85x6,00	<b>551,11</b>	CTNPM85x6,00	<b>551,11</b>	
M 90x1,50	CTM90x1,50	-	CTPM90x1,50	<b>497,25</b>	CTNPM90x1,50	<b>497,25</b>	
M 90x2,00	CTM90x2,00	-	CTPM90x2,00	<b>497,25</b>	CTNPM90x2,00	<b>497,25</b>	
M 90x3,00	CTM90x3,00	-	CTPM90x3,00	<b>542,82</b>	CTNPM90x3,00	<b>542,82</b>	
M 90x4,00	CTM90x4,00	-	CTPM90x4,00	<b>542,82</b>	CTNPM90x4,00	<b>542,82</b>	
M 90x6,00	CTM90x6,00	-	CTPM90x6,00	<b>588,41</b>	CTNPM90x6,00	<b>588,41</b>	
M 95x1,50	CTM95x1,50	-	CTPM95x1,50	<b>522,10</b>	CTNPM95x1,50	<b>522,10</b>	
M 95x2,00	CTM95x2,00	-	CTPM95x2,00	<b>522,10</b>	CTNPM95x2,00	<b>522,10</b>	
M 95x4,00	CTM95x4,00	-	CTPM95x4,00	<b>575,97</b>	CTNPM95x4,00	<b>575,97</b>	
M 95x6,00	CTM95x6,00	-	CTPM95x6,00	<b>621,54</b>	CTNPM95x6,00	<b>621,54</b>	
M 100x1,50	CTM100x1,50	-	CTPM100x1,50	<b>551,11</b>	CTNPM100x1,50	<b>551,11</b>	
M 100x2,00	CTM100x2,00	-	CTPM100x2,00	<b>551,11</b>	CTNPM100x2,00	<b>551,11</b>	
M 100x3,00	CTM100x3,00	-	CTPM100x3,00	<b>604,98</b>	CTNPM100x3,00	<b>604,98</b>	
M 100x4,00	CTM100x4,00	-	CTPM100x4,00	<b>604,98</b>	CTNPM100x4,00	<b>604,98</b>	
M 100x6,00	CTM100x6,00	-	CTPM100x6,00	<b>658,83</b>	CTNPM100x6,00	<b>658,83</b>	

CALIBRES DE ROSCA M/MF - TAMPÕES DE TOLERÂNCIAS ESPECIAIS



Ref. CTI  
Ref. CT..-6G  
Ref. CT..-6E  
PASSA / NÃO PASSA

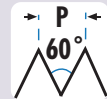
DIN  
13

DIN/ISO  
1502

TOL  
6H (esquerda)

TOL  
6G

TOL  
6E



X210  
Cr12

Ref. CT

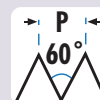


\* O certificado do calibre está incluído no preço.

	PASSA / NÃO PASSA	CTI		CT..-6G		CT..-6E	
		TOL 6H (esquerda) €	PASSA / NÃO PASSA	TOL 6G €	PASSA / NÃO PASSA	TOL 6E €	
M 1x0,25	CTIM01x0,25	-	CTM01x0,25-6G	-			
M 1,1x0,25	CTIM01,1x0,25	763,65	CTM01,1x0,25-6G	-			
M 1,4x0,30	CTIM01,4x0,30	713,48	CTM01,4x0,30-6G	471,12			
M 2x0,40	CTIM02x0,40	234,11	CTM02x0,40-6G	154,59			
M 2,2x0,45	CTIM02,2x0,45	-	CTM02,2x0,45-6G	231,89			
M 2,3x0,40	CTIM02,3x0,40	434,76	CTM02,3x0,40-6G	287,07			
M 2,5x0,45	CTIM02,5x0,45	200,66	CTM02,5x0,45-6G	173,90			
M 2,6x0,45	CTIM02,6x0,45	289,84	CTM02,6x0,45-6G	251,21			
M 3x0,50	CTIM03x0,50	189,51	CTM03x0,50-6G	164,25	CTM03x0,50-6E	189,51	
M 3,5x0,60	CTIM03,5x0,60	183,95	CTM03,5x0,60-6G	159,43			
M 4x0,70	CTIM04x0,70	178,36	CTM04x0,70-6G	154,56	CTM04x0,70-6E	178,36	
M 4,5x0,75	CTIM04,5x0,75	261,99	CTM04,5x0,75-6G	227,06			
M 5x0,80	CTIM05x0,80	172,80	CTM05x0,80-6G	149,74	CTM05x0,80-6E	172,80	
M 6x1,00	CTIM06x1,00	168,38	CTM06x1,00-6G	144,91	CTM06x1,00-6E	167,23	
M 7x1,00	CTIM07x1,00	168,38	CTM07x1,00-6G	144,91			
M 08x1,00	CTIM08x1,00	-	CTM08x1,00-6G	-			
M 08x1,25	CTIM08x1,25	172,80	CTM08x1,25-6G	149,74	CTM08x1,25-6E	172,80	
M 10x1,00	CTIM10x1,00	-	CTM10x1,00-6G	-			
M 10x1,25	CTIM10x1,25	-	CTM10x1,25-6G	-			
M 10x1,50	CTIM10x1,50	183,95	CTM10x1,50-6G	159,43	CTM10x1,50-6E	184,49	
M 11x1,50	CTIM11x1,50	-	CTM11x1,50-6G	-			
M 12x1,00	CTIM12x1,00	-	CTM12x1,00-6G	-			
M 12x1,25	CTIM12x1,25	-	CTM12x1,25-6G	-			
M 12x1,50	CTIM12x1,50	-	CTM12x1,50-6G	-			
M 12x1,75	CTIM12x1,75	197,10	CTM12x1,75-6G	168,87			
M 14x1,25	CTIM14x1,25	-	CTM14x1,25-6G	-			
M 14x1,50	CTIM14x1,50	-	CTM14x1,50-6G	-			
M 14x2,00	CTIM14x2,00	206,24	CTM14x2,00-6G	178,74			
M 16x1,50	CTIM16x1,50	-	CTM16x1,50-6G	-			
M 16x2,00	CTIM16x2,00	228,54	CTM16x2,00-6G	190,51			
M 18x1,50	CTIM18x1,50	-	CTM18x1,50-6G	-			
M 18x2,50	CTIM18x2,50	245,26	CTM18x2,50-6G	212,54			
M 20x1,50	CTIM20x1,50	-	CTM20x1,50-6G	-			
M 20x2,50	CTIM20x2,50	261,99	CTM20x2,50-6G	227,06			
M 22x2,50	CTIM22x2,50	278,70	CTM22x2,50-6G	241,53			
M 24x1,50	CTIM24x1,50	-	CTM24x1,50-6G	-			
M 24x3,00	CTIM24x3,00	312,14	CTM24x3,00-6G	270,52			
M 27x3,00	CTIM27x3,00	345,58	CTM27x3,00-6G	299,52			
M 30x3,50	CTIM30x3,50	379,04	CTM30x3,50-6G	328,49			

**CALIBRES DE ROSCA M/MF - ANÉIS**
**M**  
**MF**

 Ref. AP  
 Ref. ANP

**DIN**  
**13**
**DIN/ISO**  
**1502**
**TOL**  
**6g**

**X210**  
**Cr12**


\* O certificado do calibre está incluído no preço.


 PASSA  
 Ref. AP

 NÃO PASSA  
 Ref. ANP

	AP		ANP	
	PASSA	€	NÃO PASSA	€
M 14x1,50	APM14x1,50	160,41	ANPM14x1,50	160,41
M 14x2,00	APM14x2,00	173,16	ANPM14x2,00	173,16
M 15x1,00	APM15x1,00	223,17	ANPM15x1,00	223,17
M 15x1,50	APM15x1,50	209,23	ANPM15x1,50	209,23
M 16x1,00	APM16x1,00	184,82	ANPM16x1,00	184,82
M 16x1,50	APM16x1,50	177,84	ANPM16x1,50	177,84
M 16x2,00	APM16x2,00	190,06	ANPM16x2,00	190,06
M 18x1,00	APM18x1,00	202,26	ANPM18x1,00	202,26
M 18x1,50	APM18x1,50	191,79	ANPM18x1,50	191,79
M 18x2,00	APM18x2,00	209,23	ANPM18x2,00	209,23
M 18x2,50	APM18x2,50	219,62	ANPM18x2,50	219,62
M 20x1,00	APM20x1,00	212,73	ANPM20x1,00	212,73
M 20x1,50	APM20x1,50	209,23	ANPM20x1,50	209,23
M 20x2,00	APM20x2,00	223,17	ANPM20x2,00	223,17
M 20x2,50	APM20x2,50	244,95	ANPM20x2,50	244,95
M 22x1,00	APM22x1,00	252,41	ANPM22x1,00	252,41
M 22x1,50	APM22x1,50	223,17	ANPM22x1,50	223,17
M 22x2,00	APM22x2,00	240,61	ANPM22x2,00	240,61
M 22x2,50	APM22x2,50	266,08	ANPM22x2,50	266,08
M 24x1,00	APM24x1,00	254,57	ANPM24x1,00	254,57
M 24x1,50	APM24x1,50	240,61	ANPM24x1,50	240,61
M 24x2,00	APM24x2,00	254,57	ANPM24x2,00	254,57
M 24x3,00	APM24x3,00	269,49	ANPM24x3,00	269,49
M 25x1,00	APM25x1,00	282,29	ANPM25x1,00	282,29
M 25x1,50	APM25x1,50	247,59	ANPM25x1,50	247,59
M 25x2,00	APM25x2,00	254,57	ANPM25x2,00	254,57
M 26x1,00	APM26x1,00	306,87	ANPM26x1,00	306,87
M 26x1,50	APM26x1,50	254,57	ANPM26x1,50	254,57
M 26x2,00	APM26x2,00	312,52	ANPM26x2,00	312,52
M 27x1,00	APM27x1,00	302,22	ANPM27x1,00	302,22
M 27x1,50	APM27x1,50	261,53	ANPM27x1,50	261,53
M 27x2,00	APM27x2,00	275,49	ANPM27x2,00	275,49
M 27x3,00	APM27x3,00	301,67	ANPM27x3,00	301,67
M 28x1,50	APM28x1,50	265,03	ANPM28x1,50	265,03
M 28x2,00	APM28x2,00	301,87	ANPM28x2,00	301,87
M 30x1,00	APM30x1,00	306,87	ANPM30x1,00	306,87
M 30x1,50	APM30x1,50	282,46	ANPM30x1,50	282,46
M 30x2,00	APM30x2,00	282,46	ANPM30x2,00	282,46
M 30x3,00	APM30x3,00	302,22	ANPM30x3,00	302,22
M 30x3,50	APM30x3,50	317,14	ANPM30x3,50	317,14
M 32x1,00	APM32x1,00	327,79	ANPM32x1,00	327,79
M 32x1,50	APM32x1,50	299,89	ANPM32x1,50	299,89
M 32x2,00	APM32x2,00	328,61	ANPM32x2,00	328,61
M 33x1,00	APM33x1,00	334,76	ANPM33x1,00	334,76
M 33x1,50	APM33x1,50	310,35	ANPM33x1,50	310,35
M 33x2,00	APM33x2,00	313,85	ANPM33x2,00	313,85
M 33x3,00	APM33x3,00	334,76	ANPM33x3,00	334,76
M 33x3,50	APM33x3,50	325,79	ANPM33x3,50	325,79
M 34x1,00	APM34x1,00	332,11	ANPM34x1,00	332,11

	AP		ANP	
	PASSA	€	NÃO PASSA	€
M 2x0,40	APM02x0,40	173,16	ANPM02x0,40	173,16
M 2,2x0,45	APM02,2x0,45	202,72	ANPM02,2x0,45	202,72
M 2,5x0,45	APM02,5x0,45	130,93	ANPM02,5x0,45	130,93
M 3x0,50	APM03x0,50	126,69	ANPM03x0,50	126,69
M 3,5x0,60	APM03,5x0,60	118,25	ANPM03,5x0,60	118,25
M 4x0,50	APM04x0,50	242,44	ANPM04x0,50	242,44
M 4x0,70	APM04x0,70	118,25	ANPM04x0,70	118,25
M 4,5x0,75	APM04,5x0,75	168,93	ANPM04,5x0,75	168,93
M 5x0,50	APM05x0,50	242,44	ANPM05x0,50	242,44
M 5x0,75	APM05x0,75	174,36	ANPM05x0,75	174,36
M 5x0,80	APM05x0,80	118,25	ANPM05x0,80	118,25
M 6x0,50	APM06x0,50	242,44	ANPM06x0,50	242,44
M 6x0,75	APM06x0,75	166,05	ANPM06x0,75	166,05
M 6x1,00	APM06x1,00	118,25	ANPM06x1,00	118,25
M 7x0,75	APM07x0,75	174,36	ANPM07x0,75	174,36
M 7x1,00	APM07x1,00	144,80	ANPM07x1,00	144,80
M 8x0,50	APM08x0,50	229,15	ANPM08x0,50	229,15
M 8x0,75	APM08x0,75	167,39	ANPM08x0,75	167,39
M 8x1,00	APM08x1,00	122,05	ANPM08x1,00	122,05
M 8x1,25	APM08x1,25	118,25	ANPM08x1,25	118,25
M 9x0,75	APM09x0,75	184,82	ANPM09x0,75	184,82
M 9x1,00	APM09x1,00	125,53	ANPM09x1,00	125,53
M 9x1,25	APM09x1,25	160,89	ANPM09x1,25	160,89
M 10x0,75	APM10x0,75	176,02	ANPM10x0,75	176,02
M 10x1,00	APM10x1,00	139,48	ANPM10x1,00	139,48
M 10x1,25	APM10x1,25	149,95	ANPM10x1,25	149,95
M 10x1,50	APM10x1,50	135,14	ANPM10x1,50	135,14
M 11x1,00	APM11x1,00	142,97	ANPM11x1,00	142,97
M 11x1,50	APM11x1,50	194,28	ANPM11x1,50	194,28
M 12x0,75	APM12x0,75	212,54	ANPM12x0,75	212,54
M 12x1,00	APM12x1,00	156,92	ANPM12x1,00	156,92
M 12x1,25	APM12x1,25	170,86	ANPM12x1,25	170,86
M 12x1,50	APM12x1,50	153,44	ANPM12x1,50	153,44
M 12x1,75	APM12x1,75	156,28	ANPM12x1,75	156,28
M 13x1,00	APM13x1,00	219,68	ANPM13x1,00	219,68
M 13x1,50	APM13x1,50	236,51	ANPM13x1,50	236,51
M 14x1,00	APM14x1,00	170,86	ANPM14x1,00	170,86
M 14x1,25	APM14x1,25	184,82	ANPM14x1,25	184,82



**CALIBRES DE ROSCA M/MF - ANÉIS**

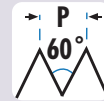


Ref. AP  
Ref. ANP

**DIN**  
**13**

**DIN/ISO**  
**1502**

**TOL**  
**6g**



**X210**  
**Cr12**

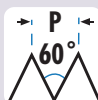


\* O certificado do calibre está incluído no preço.

		AP		ANP				AP		ANP	
		€		€			€		€		
	PASSA		NÃO PASSA			PASSA		NÃO PASSA			
M 34x1,50	APM34x1,50	298,89	ANPM34x1,50	298,89	M 55x1,50	APM55x1,50	415,47	ANPM55x1,50	415,47		
M 34x2,00	APM34x2,00	336,67	ANPM34x2,00	336,67	M 55x2,00	APM55x2,00	431,74	ANPM55x2,00	431,74		
M 35x1,00	APM35x1,00	307,86	ANPM35x1,00	307,86	M 55x3,00	APM55x3,00	445,35	ANPM55x3,00	445,35		
M 35x1,50	APM35x1,50	277,98	ANPM35x1,50	277,98	M 55x4,00	APM55x4,00	599,71	ANPM55x4,00	599,71		
M 35x2,00	APM35x2,00	361,99	ANPM35x2,00	361,99	M 56x1,00	APM56x1,00	664,21	ANPM56x1,00	664,21		
M 36x1,00	APM36x1,00	310,85	ANPM36x1,00	310,85	M 56x1,50	APM56x1,50	468,28	ANPM56x1,50	468,28		
M 36x1,50	APM36x1,50	280,97	ANPM36x1,50	280,97	M 56x2,00	APM56x2,00	448,35	ANPM56x2,00	448,35		
M 36x2,00	APM36x2,00	298,89	ANPM36x2,00	298,89	M 56x3,00	APM56x3,00	501,49	ANPM56x3,00	501,49		
M 36x4,00	APM36x4,00	351,13	ANPM36x4,00	351,13	M 56x4,00	APM56x4,00	504,48	ANPM56x4,00	504,48		
M 38x1,00	APM38x1,00	328,80	ANPM38x1,00	328,80	M 56x5,50	APM56x5,50	611,37	ANPM56x5,50	611,37		
M 38x1,50	APM38x1,50	295,92	ANPM38x1,50	295,92	M 58x1,00	APM58x1,00	476,57	ANPM58x1,00	476,57		
M 38x2,00	APM38x2,00	394,58	ANPM38x2,00	394,58	M 58x1,50	APM58x1,50	481,55	ANPM58x1,50	481,55		
M 39x1,00	APM39x1,00	346,72	ANPM39x1,00	346,72	M 58x2,00	APM58x2,00	474,91	ANPM58x2,00	474,91		
M 39x1,50	APM39x1,50	313,84	ANPM39x1,50	313,84	M 58x3,00	APM58x3,00	472,37	ANPM58x3,00	472,37		
M 39x2,00	APM39x2,00	325,79	ANPM39x2,00	325,79	M 60x1,00	APM60x1,00	522,66	ANPM60x1,00	522,66		
M 39x3,00	APM39x3,00	340,74	ANPM39x3,00	340,74	M 60x1,50	APM60x1,50	485,84	ANPM60x1,50	485,84		
M 39x4,00	APM39x4,00	383,72	ANPM39x4,00	383,72	M 60x2,00	APM60x2,00	500,18	ANPM60x2,00	500,18		
M 40x1,00	APM40x1,00	346,72	ANPM40x1,00	346,72	M 60x3,00	APM60x3,00	512,58	ANPM60x3,00	512,58		
M 40x1,50	APM40x1,50	313,84	ANPM40x1,50	313,84	M 60x4,00	APM60x4,00	563,09	ANPM60x4,00	563,09		
M 40x2,00	APM40x2,00	331,78	ANPM40x2,00	331,78	M 60x5,50	APM60x5,50	571,96	ANPM60x5,50	571,96		
M 40x3,00	APM40x3,00	419,91	ANPM40x3,00	419,91	M 62x1,00	APM62x1,00	590,08	ANPM62x1,00	590,08		
M 42x1,00	APM42x1,00	451,33	ANPM42x1,00	451,33	M 62x1,50	APM62x1,50	485,84	ANPM62x1,50	485,84		
M 42x1,50	APM42x1,50	361,99	ANPM42x1,50	361,99	M 62x2,00	APM62x2,00	500,18	ANPM62x2,00	500,18		
M 42x2,00	APM42x2,00	371,96	ANPM42x2,00	371,96	M 62x3,00	APM62x3,00	512,58	ANPM62x3,00	512,58		
M 42x3,00	APM42x3,00	398,53	ANPM42x3,00	398,53	M 64x1,00	APM64x1,00	657,47	ANPM64x1,00	657,47		
M 42x4,50	APM42x4,50	412,69	ANPM42x4,50	412,69	M 64x1,50	APM64x1,50	485,84	ANPM64x1,50	485,84		
M 45x1,00	APM45x1,00	478,22	ANPM45x1,00	478,22	M 64x2,00	APM64x2,00	500,18	ANPM64x2,00	500,18		
M 45x1,50	APM45x1,50	381,92	ANPM45x1,50	381,92	M 64x3,00	APM64x3,00	512,58	ANPM64x3,00	512,58		
M 45x2,00	APM45x2,00	381,92	ANPM45x2,00	381,92	M 64x4,00	APM64x4,00	563,09	ANPM64x4,00	563,09		
M 45x3,00	APM45x3,00	408,50	ANPM45x3,00	408,50	M 64x6,00	APM64x6,00	608,16	ANPM64x6,00	608,16		
M 45x4,00	APM45x4,00	520,07	ANPM45x4,00	520,07	M 65x1,00	APM65x1,00	673,57	ANPM65x1,00	673,57		
M 45x4,50	APM45x4,50	438,03	ANPM45x4,50	438,03	M 65x1,50	APM65x1,50	478,22	ANPM65x1,50	478,22		
M 48x1,00	APM48x1,00	505,14	ANPM48x1,00	505,14	M 65x2,00	APM65x2,00	472,25	ANPM65x2,00	472,25		
M 48x1,50	APM48x1,50	408,50	ANPM48x1,50	408,50	M 65x3,00	APM65x3,00	633,48	ANPM65x3,00	633,48		
M 48x2,00	APM48x2,00	385,25	ANPM48x2,00	385,25	M 68x1,00	APM68x1,00	675,16	ANPM68x1,00	675,16		
M 48x3,00	APM48x3,00	418,45	ANPM48x3,00	418,45	M 68x1,50	APM68x1,50	485,84	ANPM68x1,50	485,84		
M 48x4,00	APM48x4,00	552,96	ANPM48x4,00	552,96	M 68x2,00	APM68x2,00	500,18	ANPM68x2,00	500,18		
M 48x5,00	APM48x5,00	466,98	ANPM48x5,00	466,98	M 68x3,00	APM68x3,00	512,58	ANPM68x3,00	512,58		
M 50x1,00	APM50x1,00	532,04	ANPM50x1,00	532,04	M 68x4,00	APM68x4,00	563,09	ANPM68x4,00	563,09		
M 50x1,50	APM50x1,50	418,45	ANPM50x1,50	418,45	M 68x6,00	APM68x6,00	644,36	ANPM68x6,00	644,36		
M 50x2,00	APM50x2,00	405,17	ANPM50x2,00	405,17	M 70x1,00	APM70x1,00	702,24	ANPM70x1,00	702,24		
M 50x3,00	APM50x3,00	470,60	ANPM50x3,00	470,60	M 70x1,50	APM70x1,50	485,84	ANPM70x1,50	485,84		
M 52x1,00	APM52x1,00	555,94	ANPM52x1,00	555,94	M 70x2,00	APM70x2,00	500,18	ANPM70x2,00	500,18		
M 52x1,50	APM52x1,50	441,70	ANPM52x1,50	441,70	M 70x3,00	APM70x3,00	512,58	ANPM70x3,00	512,58		
M 52x2,00	APM52x2,00	418,45	ANPM52x2,00	418,45	M 70x4,00	APM70x4,00	563,09	ANPM70x4,00	563,09		
M 52x3,00	APM52x3,00	468,28	ANPM52x3,00	468,28	M 70x6,00	APM70x6,00	679,87	ANPM70x6,00	679,87		
M 52x4,00	APM52x4,00	609,75	ANPM52x4,00	609,75	M 72x1,00	APM72x1,00	711,22	ANPM72x1,00	711,22		
M 52x5,00	APM52x5,00	503,17	ANPM52x5,00	503,17	M 72x1,50	APM72x1,50	485,84	ANPM72x1,50	485,84		
M 55x1,00	APM55x1,00	585,85	ANPM55x1,00	585,85	M 72x2,00	APM72x2,00	500,18	ANPM72x2,00	500,18		

**CALIBRES DE ROSCA M/MF - ANÉIS**
**M**  
**MF**

 Ref. AP  
 Ref. ANP

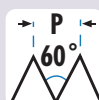
**DIN**  
**13**
**DIN/ISO**  
**1502**
**TOL**  
**6g**

**X210**  
**Cr12**


\* O certificado do calibre está incluído no preço.

		AP		ANP		AP		ANP	
		€		€			€		€
	PASSA		NÃO PASSA			PASSA		NÃO PASSA	
M 72x3,00	APM72x3,00	512,58	ANPM72x3,00	512,58	M 85x2,00	APM85x2,00	700,76	ANPM85x2,00	700,76
M 72x4,00	APM72x4,00	563,09	ANPM72x4,00	563,09	M 85x3,00	APM85x3,00	730,36	ANPM85x3,00	730,36
M 72x6,00	APM72x6,00	697,84	ANPM72x6,00	697,84	M 85x4,00	APM85x4,00	774,14	ANPM85x4,00	774,14
M 75x1,00	APM75x1,00	736,10	ANPM75x1,00	736,10	M 85x6,00	APM85x6,00	859,49	ANPM85x6,00	859,49
M 75x1,50	APM75x1,50	581,19	ANPM75x1,50	581,19	M 90x1,50	APM90x1,50	760,53	ANPM90x1,50	760,53
M 75x2,00	APM75x2,00	607,76	ANPM75x2,00	607,76	M 90x2,00	APM90x2,00	757,21	ANPM90x2,00	757,21
M 75x3,00	APM75x3,00	664,21	ANPM75x3,00	664,21	M 90x3,00	APM90x3,00	913,29	ANPM90x3,00	913,29
M 75x4,00	APM75x4,00	721,49	ANPM75x4,00	721,49	M 90x4,00	APM90x4,00	839,25	ANPM90x4,00	839,25
M 76x1,50	APM76x1,50	601,12	ANPM76x1,50	601,12	M 90x6,00	APM90x6,00	893,34	ANPM90x6,00	893,34
M 76x2,00	APM76x2,00	614,40	ANPM76x2,00	614,40	M 95x1,50	APM95x1,50	800,38	ANPM95x1,50	800,38
M 76x3,00	APM76x3,00	664,21	ANPM76x3,00	664,21	M 95x2,00	APM95x2,00	807,03	ANPM95x2,00	807,03
M 76x4,00	APM76x4,00	953,14	ANPM76x4,00	953,14	M 95x4,00	APM95x4,00	885,73	ANPM95x4,00	885,73
M 76x6,00	APM76x6,00	761,89	ANPM76x6,00	761,89	M 95x6,00	APM95x6,00	994,27	ANPM95x6,00	994,27
M 80x1,50	APM80x1,50	677,51	ANPM80x1,50	677,51	M 100x1,50	APM100x1,50	843,54	ANPM100x1,50	843,54
M 80x2,00	APM80x2,00	650,94	ANPM80x2,00	650,94	M 100x2,00	APM100x2,00	856,84	ANPM100x2,00	856,84
M 80x3,00	APM80x3,00	743,91	ANPM80x3,00	743,91	M 100x3,00	APM100x3,00	1.012,93	ANPM100x3,00	1.012,93
M 80x4,00	APM80x4,00	746,25	ANPM80x4,00	746,25	M 100x4,00	APM100x4,00	929,90	ANPM100x4,00	929,90
M 80x6,00	APM80x6,00	769,63	ANPM80x6,00	769,63	M 100x6,00	APM100x6,00	1.024,71	ANPM100x6,00	1.024,71
M 85x1,50	APM85x1,50	717,36	ANPM85x1,50	717,36					

**CALIBRES DE ROSCA M/MF - ANÉIS DE TOLERÂNCIAS ESPECIAIS**
**M**  
**MF**

 Ref. API  
 Ref. ANPI  
 Ref. AP..-6e  
 Ref. ANP..-6e

**DIN**  
**13**
**DIN/ISO**  
**1502**
**TOL**  
**6g (esquerda)**
**TOL**  
**6e**

**X210**  
**Cr12**


\* O certificado do calibre está incluído no preço.

		API		ANPI		AP..6e		ANP..6e	
		TOL 6g (esquerda) €		TOL 6g (esquerda) €		TOL 6e €		TOL 6e €	
	PASSA		NÃO PASSA		PASSA		NÃO PASSA		
M 2x0,40	APIM02x0,40	238,30	ANPIM02x0,40	238,30	APM02x0,40-6e	-	ANPM02x0,40-6e	-	
M 2,5x0,45	APIM02,5x0,45	180,19	ANPIM02,5x0,45	180,19	APM02,5x0,45-6e	-	ANPM02,5x0,45-6e	-	
M 3x0,50	APIM03x0,50	174,36	ANPIM03x0,50	174,36	APM03x0,50-6e	174,36	ANPM03x0,50-6e	174,36	
M 3,5x0,60	APIM03,5x0,60	162,73	ANPIM03,5x0,60	162,73	APM03,5x0,60-6e	162,73	ANPM03,5x0,60-6e	162,73	
M 4x0,70	APIM04x0,70	162,73	ANPIM04x0,70	162,73	APM04x0,70-6e	162,73	ANPM04x0,70-6e	162,73	
M 4,5x0,75	APIM04,5x0,75	244,10	ANPIM04,5x0,75	244,10	APM04,5x0,75-6e	-	ANPM04,5x0,75-6e	-	
M 5x0,80	APIM05x0,80	162,73	ANPIM05x0,80	162,73	APM05x0,80-6e	162,73	ANPM05x0,80-6e	162,73	
M 6x1,00	APIM06x1,00	162,73	ANPIM06x1,00	162,73	APM06x1,00-6e	162,73	ANPM06x1,00-6e	162,73	
M 7x1,00	APIM07x1,00	209,23	ANPIM07x1,00	209,23	APM07x1,00-6e	209,23	ANPM07x1,00-6e	209,23	
M 8x1,25	APIM08x1,25	162,73	ANPIM08x1,25	162,73	APM08x1,25-6e	162,73	ANPM08x1,25-6e	162,73	
M 10x1,50	APIM10x1,50	185,99	ANPIM10x1,50	185,99	APM10x1,50-6e	185,99	ANPM10x1,50-6e	185,99	
M 12x1,75	APIM12x1,75	215,05	ANPIM12x1,75	215,05	APM12x1,75-6e	215,05	ANPM12x1,75-6e	215,05	
M 14x2,00	APIM14x2,00	238,30	ANPIM14x2,00	238,30	APM14x2,00-6e	238,30	ANPM14x2,00-6e	238,30	
M 16x2,00	APIM16x2,00	261,54	ANPIM16x2,00	261,54	APM16x2,00-6e	261,54	ANPM16x2,00-6e	261,54	
M 18x2,50	APIM18x2,50	302,22	ANPIM18x2,50	302,22	APM18x2,50-6e	302,22	ANPM18x2,50-6e	302,22	
M 20x2,50	APIM20x2,50	337,08	ANPIM20x2,50	337,08	APM20x2,50-6e	337,08	ANPM20x2,50-6e	337,08	
M 22x2,50	APIM22x2,50	366,15	ANPIM22x2,50	366,15	APM22x2,50-6e	-	ANPM22x2,50-6e	-	
M 24x3,00	APIM24x3,00	389,40	ANPIM24x3,00	389,40	APM24x3,00-6e	-	ANPM24x3,00-6e	-	
M 27x3,00	APIM27x3,00	435,90	ANPIM27x3,00	435,90	APM27x3,00-6e	-	ANPM27x3,00-6e	-	
M 30x3,50	APIM30x3,50	446,66	ANPIM30x3,50	446,66	APM30x3,50-6e	-	ANPM30x3,50-6e	-	

**CALIBRES DE ROSCA BSP - TAMPÕES E ANÉIS**

**BSP**



Ref. CT PASSA / NÃO PASSA  
Ref. CTP PASSA  
Ref. CTNP NÃO PASSA

**DIN EN ISO 228-2**

 **P 55°**

**X210 Cr12**


 **Cert.** \* O certificado do calibre está incluído no preço.

	 PASSA / NÃO PASSA	CT		CTP		CTNP	
		€	€	€	€		
G 1/8-28h.	CTG1/8X28	137,13	-	-	-		
G 1/4-19h.	CTG1/4X19	149,60	-	-	-		
G 3/8-19h.	CTG3/8X19	174,54	-	-	-		
G 1/2-14h.	CTG1/2X14	167,49	-	-	-		
G 5/8-14h.	CTG5/8X14	211,94	-	-	-		
G 3/4-14h.	CTG3/4X14	232,72	-	-	-		
G 7/8-14h.	CTG7/8X14	261,79	-	-	-		
G 1"-11h.	CTG1X11	274,27	-	-	-		
G 1 1/8-11h.	CTG1.1/8X11	315,82	-	-	-		
G 1 1/4-11h.	CTG1.1/4X11	344,91	-	-	-		
G 1 1/2-11h.	CTG1.1/2X11	403,08	-	-	-		
G 1 3/4-11h.	CTG1.3/4X11	-	CTPG1.3/4X11	241,41	CTNPG1.3/4X11	241,41	
G 2"-11h.	CTG2X11	-	CTPG2X11	265,15	CTNPG2X11	265,15	
G 2 1/4-11h.	CTG2.1/4X11	-	CTPG2.1/4X11	288,91	CTNPG2.1/4X11	288,91	
G 2 1/2-11h.	CTG2.1/2X11	-	CTPG2.1/2X11	336,40	CTNPG2.1/2X11	336,40	
G 2 3/4-11h.	CTG2.3/4X11	-	CTPG2.3/4X11	382,32	CTNPG2.3/4X11	382,32	
G 3"-11h.	CTG3X11	-	CTPG3X11	411,39	CTNPG3X11	411,39	
G 3 1/2-11h.	CTG3.1/2X11	-	CTPG3.1/2X11	731,38	CTNPG3.1/2X11	731,38	
G 4"-11h.	CTG4X11	-	CTPG4X11	797,86	CTNPG4X11	797,86	


**BSP**

Ref. AP  
Ref. ANP

**DIN EN ISO 228-2**

 **P 55°**

**X210 Cr12**

 **Cert.** \* O certificado do calibre está incluído no preço.

Ref. AP





PASSA

Ref. ANP

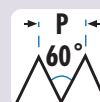


NÃO PASSA

	 PASSA	AP		ANP	
		€	€	€	€
G 1/8-28h.	APG1/8X28	154,99	ANPG1/8X28	154,99	
G 1/4-19h.	APG1/4X19	182,11	ANPG1/4X19	182,11	
G 3/8-19h.	APG3/8X19	220,84	ANPG3/8X19	220,84	
G 1/2-14h.	APG1/2X14	213,09	ANPG1/2X14	213,09	
G 5/8-14h.	APG5/8X14	224,38	ANPG5/8X14	224,38	
G 3/4-14h.	APG3/4X14	243,54	ANPG3/4X14	243,54	
G 7/8-14h.	APG7/8X14	274,00	ANPG7/8X14	274,00	
G 1"-11h.	APG1X11	300,63	ANPG1X11	300,63	
G 1 1/8-11h.	APG1.1/8X11	348,72	ANPG1.1/8X11	348,72	
G 1 1/4-11h.	APG1.1/4X11	383,58	ANPG1.1/4X11	383,58	
G 1 1/2-11h.	APG1.1/2X11	433,95	ANPG1.1/2X11	433,95	
G 1 3/4-11h.	APG1.3/4X11	480,45	ANPG1.3/4X11	480,45	
G 2"-11h.	APG2X11	530,83	ANPG2X11	530,83	
G 2 1/4-11h.	APG2.1/4X11	573,44	ANPG2.1/4X11	573,44	
G 2 1/2-11h.	APG2.1/2X11	654,80	ANPG2.1/2X11	654,80	
G 2 3/4-11h.	APG2.3/4X11	704,76	ANPG2.3/4X11	704,76	
G 3"-11h.	APG3X11	767,18	ANPG3X11	767,18	
G 3 1/2-11h.	APG3.1/2X11	1.019,01	ANPG3.1/2X11	1.019,01	
G 4"-11h.	APG4X11	1.115,89	ANPG4X11	1.115,89	

**CALIBRES DE ROSCA UNC - TAMPÕES**
**UNC**





 Ref. CTNC PASSA / NÃO PASSA  
 Ref. CTPNC PASSA  
 Ref. CTNPNC NÃO PASSA  
 Ref. CTNC..3B

**ANSI  
ASME  
B1.2**
**TOL  
2B**
**TOL  
3B**

**X210  
Cr12**

Ref. CTNC



\* O certificado do calibre está incluído no preço.

 PASSA / NÃO PASSA	CTNC		 PASSA	CTPNC		 NÃO PASSA	CTNPNC		 PASSA / NÃO PASSA	CTNC..3B	
	€	€		€	€		€	€			
UNC Nº4-40h.	CTNCNº4-40	210,97		-			-		CTNCNº4-40-3B	274,27	
UNC Nº5-40h.	CTNCNº5-40	210,06		-			-		CTNCNº5-40-3B	286,74	
UNC Nº6-32h.	CTNCNº6-32	127,86		-			-		CTNCNº6-32-3B	166,22	
UNC Nº8-32h.	CTNCNº8-32	124,66		-			-		CTNCNº8-32-3B	162,06	
UNC Nº10-24h.	CTNCNº10-24	121,47		-			-		CTNCNº10-24-3B	157,90	
UNC Nº12-24h.	CTNCNº12-24	121,47		-			-		CTNCNº12-24-3B	149,60	
UNC 1/4-20h.	CTNC1/4X20	115,08		-			-		CTNC1/4X20-3B	149,60	
UNC 5/16-18h.	CTNC5/16X18	121,47		-			-		CTNC5/16X18-3B	157,90	
UNC 3/8-16h.	CTNC3/8X16	121,47		-			-		CTNC3/8X16-3B	157,90	
UNC 7/16-14h.	CTNC7/16X14	127,86		-			-		CTNC7/16X14-3B	166,22	
UNC 1/2-13h.	CTNC1/2X13	137,44		-			-		CTNC1/2X13-3B	178,69	
UNC 9/16-12h.	CTNC9/16X12	147,04		-			-		CTNC9/16X12-3B	191,16	
UNC 5/8-11h.	CTNC5/8X11	153,44		-			-		CTNC5/8X11-3B	199,47	
UNC 3/4-10h.	CTNC3/4X10	175,80		-			-		CTNC3/4X10-3B	228,56	
UNC 7/8-9h.	CTNC7/8X9	198,19		-			-		CTNC7/8X9-3B	257,64	
UNC 1"-8h.	CTNC1X8	223,77		-			-		CTNC1X8-3B	290,89	
UNC 1"1/8-7h.	CTNC1.1/8X7	249,33		-			-				-
UNC 1"1/4-7h.	CTNC1.1/4X7	271,71		-			-				-
UNC 1"3/8-6h.	CTNC1.3/8X6	294,08		-			-				-
UNC 1"1/2-6h.	CTNC1.1/2X6	329,25		-			-				-
UNC 1"3/4-5h.	CTNC1.3/4X5	-	CTPNC1.3/4X5	217,36	CTNPNC1.3/4X5	217,36					-
UNC 2"-4.1/2h.	CTNC2X4,5	-	CTPNC2X4,5	249,33	CTNPNC2X4,5	249,33					-
UNC 2"1/4-4.1/2h.	CTNC2.1/4X4,5	-	CTPNC2.1/4X4,5	278,10	CTNPNC2.1/4X4,5	278,10					-
UNC 2"1/2-4h.	CTNC2.1/2X4	-	CTPNC2.1/2X4	313,26	CTNPNC2.1/2X4	313,26					-
UNC 2"3/4-4h.	CTNC2.3/4X4	-	CTPNC2.3/4X4	345,22	CTNPNC2.3/4X4	345,22					-
UNC 3"-4h.	CTNC3X4	-	CTPNC3X4	377,18	CTNPNC3X4	377,18					-
UNC 3"1/4-4h.	CTNC3.1/4X4	-	CTPNC3.1/4X4	412,34	CTNPNC3.1/4X4	412,34					-
UNC 3"1/2-4h.	CTNC3.1/2X4	-	CTPNC3.1/2X4	444,31	CTNPNC3.1/2X4	444,31					-
UNC 4"-4h.	CTNC4X4	-	CTPNC4X4	508,25	CTNPNC4X4	508,25					-

**CALIBRES DE ROSCA UNC - ANÉIS**

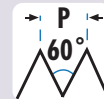


Ref. APNC  
Ref. ANPNC  
Ref. APNC..3A  
Ref. ANPNC..3A

ANSI  
ASME  
B1.2

TOL  
2A

TOL  
3A



X210  
Cr12



PASSA  
Ref. APNC



NÃO PASSA  
Ref. ANPNC



\* O certificado do calibre está incluído no preço.

	APNC		ANPNC		APNC..3A		ANPNC..3A	
	PASSA	TOL 2A €	NÃO PASSA	TOL 2A €	PASSA	TOL 3A €	NÃO PASSA	TOL 3A €
UNC Nº4-40h.	APNCNº4-40	201,48	ANPNCNº4-40	201,48	APNCNº4-40-3A	261,94	ANPNCNº4-40-3A	261,94
UNC Nº5-40h.	APNCNº5-40	148,79	ANPNCNº5-40	148,79	APNCNº5-40-3A	193,42	ANPNCNº5-40-3A	193,42
UNC Nº6-32h.	APNCNº6-32	142,59	ANPNCNº6-32	142,59	APNCNº6-32-3A	185,37	ANPNCNº6-32-3A	185,37
UNC Nº8-32h.	APNCNº8-32	133,29	ANPNCNº8-32	133,29	APNCNº8-32-3A	173,28	ANPNCNº8-32-3A	173,28
UNC Nº10-24h.	APNCNº10-24	127,09	ANPNCNº10-24	127,09	APNCNº10-24-3A	165,20	ANPNCNº10-24-3A	165,20
UNC Nº12-24h.	APNCNº12-24	123,99	ANPNCNº12-24	123,99	APNCNº12-24-3A	161,18	ANPNCNº12-24-3A	161,18
UNC 1/4-20h.	APNC1/4X20	123,99	ANPNC1/4X20	123,99	APNC1/4X20-3A	161,18	ANPNC1/4X20-3A	161,18
UNC 5/16-18h.	APNC5/16X18	133,29	ANPNC5/16X18	133,29	APNC5/16X18-3A	173,28	ANPNC5/16X18-3A	173,28
UNC 3/8-16h.	APNC3/8X16	142,59	ANPNC3/8X16	142,59	APNC3/8X16-3A	185,37	ANPNC3/8X16-3A	185,37
UNC 7/16-14h.	APNC7/16X14	154,99	ANPNC7/16X14	154,99	APNC7/16X14-3A	201,48	ANPNC7/16X14-3A	201,48
UNC 1/2-13h.	APNC1/2X13	173,58	ANPNC1/2X13	173,58	APNC1/2X13-3A	225,67	ANPNC1/2X13-3A	225,67
UNC 9/16-12h.	APNC9/16X12	195,27	ANPNC9/16X12	195,27	APNC9/16X12-3A	253,86	ANPNC9/16X12-3A	253,86
UNC 5/8-11h.	APNC5/8X11	213,88	ANPNC5/8X11	213,88	APNC5/8X11-3A	278,11	ANPNC5/8X11-3A	278,11
UNC 3/4-10h.	APNC3/4X10	244,87	ANPNC3/4X10	244,87	APNC3/4X10-3A	318,35	ANPNC3/4X10-3A	318,35
UNC 7/8-9h.	APNC7/8X9	268,65	ANPNC7/8X9	268,65		-		-
UNC 1"-8h.	APNC1X8	307,01	ANPNC1X8	307,01		-		-
UNC 1 1/8-7h.	APNC1.1/8X7	339,49	ANPNC1.1/8X7	339,49		-		-
UNC 1 1/4-7h.	APNC1.1/4X7	392,62	ANPNC1.1/4X7	392,62		-		-
UNC 1 3/8-6h.	APNC1.3/8X6	431,01	ANPNC1.3/8X6	431,01		-		-
UNC 1 1/2-6h.	APNC1.1/2X6	460,52	ANPNC1.1/2X6	460,52		-		-
UNC 1 3/4-5h.	APNC1.3/4X5	567,25	ANPNC1.3/4X5	567,25		-		-
UNC 2"-4.1/2h.	APNC2x4,5	650,94	ANPNC2x4,5	650,94		-		-
UNC 2 1/4-4.1/2h.	APNC2.1/4x4,5	740,82	ANPNC2.1/4x4,5	740,82		-		-
UNC 2 1/2-4h.	APNC2.1/2x4	830,71	ANPNC2.1/2x4	830,71		-		-
UNC 2 3/4-4h.	APNC2.3/4X4	923,70	ANPNC2.3/4X4	923,70		-		-
UNC 3"-4h.	APNC3x4	912,28	ANPNC3X4	912,28		-		-
UNC 3 1/4-4h.	APNC3.1/4x4	998,40	ANPNC3.1/4x4	998,40		-		-
UNC 3 1/2-4h.	APNC3.1/2x4	1.023,47	ANPNC3.1/2x4	1.023,47		-		-
UNC 4"-4h.	APNC4x4	1.067,28	ANPNC4X4	1.067,28		-		-

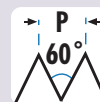


**CALIBRES DE ROSCA UNF - TAMPÕES**
**UNF**

Ref. CTNF

Ref. CTNF..3B


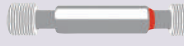
PASSA / NÃO PASSA

**ANSI  
ASME  
B1.2**
**TOL  
2B**
**TOL  
3B**

**X210  
Cr12**

Ref. CTNF



\* O certificado do calibre está incluído no preço.

	 PASSA / NÃO PASSA	CTNF		CTNF..3B	
		TOL 2B	€	TOL 3B	€
UNF Nº0-80h.	CTNFNº0-80	<b>287,70</b>		CTNFNº0-80-3B	-
UNF Nº1-72h.	CTNFNº1-72	<b>246,14</b>		CTNFNº1-72-3B	-
UNF Nº2-64h.	CTNFNº2-64	<b>230,16</b>		CTNFNº2-64-3B	-
UNF Nº3-56h.	CTNFNº3-56	<b>210,97</b>		CTNFNº3-56-3B	-
UNF Nº4-48h.	CTNFNº4-48	<b>210,97</b>		CTNFNº4-48-3B	<b>274,27</b>
UNF Nº5-44h.	CTNFNº5-44	<b>134,25</b>		CTNFNº5-44-3B	<b>174,54</b>
UNF Nº6-40h.	CTNFNº6-40	<b>127,86</b>		CTNFNº6-40-3B	<b>166,22</b>
UNF Nº8-36h.	CTNFNº8-36	<b>124,66</b>		CTNFNº8-36-3B	<b>167,89</b>
UNF Nº10-32h.	CTNFNº10-32	<b>121,47</b>		CTNFNº10-32-3B	<b>157,90</b>
UNF Nº12-28h.	CTNFNº12-28	<b>115,08</b>		CTNFNº12-28-3B	<b>149,60</b>
UNF 1/4-28h.	CTNF1/4X28	<b>115,08</b>		CTNF1/4X28-3B	<b>149,60</b>
UNF 5/16-24h.	CTNF5/16X24	<b>121,47</b>		CTNF5/16X24-3B	<b>157,90</b>
UNF 3/8-24h.	CTNF3/8X24	<b>121,47</b>		CTNF3/8X24-3B	<b>157,90</b>
UNF 7/16-20h.	CTNF7/16X20	<b>127,86</b>		CTNF7/16X20-3B	<b>166,22</b>
UNF 1/2-20h.	CTNF1/2X20	<b>137,44</b>		CTNF1/2X20-3B	<b>178,69</b>
UNF 9/16-18h.	CTNF9/16X18	<b>147,04</b>		CTNF9/16X18-3B	<b>191,16</b>
UNF 5/8-18h.	CTNF5/8X18	<b>150,24</b>		CTNF5/8X18-3B	<b>195,32</b>
UNF 3/4-16h.	CTNF3/4X16	<b>166,22</b>		CTNF3/4X16-3B	<b>216,09</b>
UNF 7/8-14h.	CTNF7/8X14	<b>182,22</b>		CTNF7/8X14-3B	<b>236,87</b>
UNF 1"-12h.	CTNF1X12	<b>204,57</b>		CTNF1X12-3B	<b>265,95</b>
UNF 1"1/8-12h.	CTNF1.1/8X12	<b>223,77</b>		CTNF1.1/8X12-3B	-
UNF 1"1/4-12h.	CTNF1.1/4X12	<b>236,54</b>		CTNF1.1/4X12-3B	-
UNF 1"3/8-12h.	CTNF1.3/8X12	<b>262,12</b>		CTNF1.3/8X12-3B	-
UNF 1"1/2-12h.	CTNF1.1/2X12	<b>287,70</b>		CTNF1.1/2X12-3B	-

**CALIBRES DE ROSCA UNF - ANÉIS**

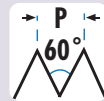


Ref. APNF  
Ref. ANPNF  
Ref. APNF..3A  
Ref. ANPNF..3A

ANSI  
ASME  
B1.2

TOL  
2A

TOL  
3A



X210  
Cr12



PASSA  
Ref. APNF



NÃO PASSA  
Ref. ANPNF



\* O certificado do calibre está incluído no preço.

	APNF		ANPNF		APNF..3A		ANPNF..3A	
	PASSA	TOL 2A €	NÃO PASSA	TOL 2A €	PASSA	TOL 3A €	NÃO PASSA	TOL 3A €
UNF Nº0-80h.	ANPNFº0-80	282,09	ANPNFº0-80	282,09		-		-
UNF Nº1-72h.	ANPNFº1-72	235,58	ANPNFº1-72	235,58		-		-
UNF Nº2-64h.	ANPNFº2-64	220,08	ANPNFº2-64	220,08		-		-
UNF Nº3-56h.	ANPNFº3-56	210,78	ANPNFº3-56	210,78		-		-
UNF Nº4-48h.	ANPNFº4-48	198,37	ANPNFº4-48	198,37	APNFº4-48-3A	257,88	ANPNFº4-48-3A	257,88
UNF Nº5-44h.	ANPNFº5-44	148,79	ANPNFº5-44	148,79	APNFº5-44-3A	193,42	ANPNFº5-44-3A	193,42
UNF Nº6-40h.	ANPNFº6-40	142,59	ANPNFº6-40	142,59	APNFº6-40-3A	185,37	ANPNFº6-40-3A	185,37
UNF Nº8-36h.	ANPNFº8-36	133,29	ANPNFº8-36	133,29	APNFº8-36-3A	173,28	ANPNFº8-36-3A	173,28
UNF Nº10-32h.	ANPNFº10-32	127,09	ANPNFº10-32	127,09	APNFº10-32-3A	168,78	ANPNFº10-32-3A	168,78
UNF Nº12-28h.	ANPNFº12-28	123,99	ANPNFº12-28	123,99	APNFº12-28-3A	161,18	ANPNFº12-28-3A	161,18
UNF 1/4-28h.	APNF1/4X28	123,99	ANPNF1/4X28	123,99	APNF1/4X28-3A	161,18	ANPNF1/4X28-3A	161,18
UNF 5/16-24h.	APNF5/16X24	133,29	ANPNF5/16X24	133,29	APNF5/16X24-3A	173,28	ANPNF5/16X24-3A	173,28
UNF 3/8-24h.	APNF3/8X24	142,59	ANPNF3/8X24	142,59	APNF3/8X24-3A	185,37	ANPNF3/8X24-3A	185,37
UNF 7/16-20h.	APNF7/16X20	154,99	ANPNF7/16X20	154,99	APNF7/16X20-3A	201,48	ANPNF7/16X20-3A	201,48
UNF 1/2-20h.	APNF1/2X20	173,58	ANPNF1/2X20	173,58	APNF1/2X20-3A	225,67	ANPNF1/2X20-3A	225,67
UNF 9/16-18h.	APNF9/16X18	195,27	ANPNF9/16X18	195,27	APNF9/16X18-3A	253,86	ANPNF9/16X18-3A	253,86
UNF 5/8-18h.	APNF5/8X18	213,88	ANPNF5/8X18	213,88	APNF5/8X18-3A	278,05	ANPNF5/8X18-3A	278,05
UNF 3/4-16h.	APNF3/4X16	244,87	ANPNF3/4X16	244,87	APNF3/4X16-3A	318,35	ANPNF3/4X16-3A	318,35
UNF 7/8-14h.	APNF7/8X14	268,65	ANPNF7/8X14	268,65		-		-
UNF 1"-12h.	APNF1X12	307,01	ANPNF1X12	307,01		-		-
UNF 1 1/8-12h.	APNF1.1/8X12	357,20	ANPNF1.1/8X12	357,20		-		-
UNF 1 1/4-12h.	APNF1.1/4X12	392,62	ANPNF1.1/4X12	392,62		-		-
UNF 1 3/8-12h.	APNF1.3/8X12	431,01	ANPNF1.3/8X12	431,01		-		-
UNF 1 1/2-12h.	APNF1.1/2X12	460,52	ANPNF1.1/2X12	460,52		-		-

**CALIBRES LISOS - TAMPÕES**
**LISO**

 Ref. CTL PASSA / NÃO PASSA  
 Ref. CTLP PASSA  
 Ref. CTLNP NÃO PASSA

**DIN  
7162**
**TOL  
H7**
**X210  
Cr12**

Ref. CTL



\* O certificado do calibre está incluído no preço.

CTL			CTL			CTLP		CTLNP	
Ø mm	PASSA NÃO PASSA	€	Ø mm	PASSA NÃO PASSA	€	PASSA	€	NÃO PASSA	€
2	CTL0200	69,53	51	CTL5100	176,95	CTLP5100	-	CTLNP5100	-
3	CTL0300	63,20	52	CTL5200	176,95	CTLP5200	-	CTLNP5200	-
4	CTL0400	63,20	53	CTL5300	176,95	CTLP5300	-	CTLNP5300	-
5	CTL0500	63,20	54	CTL5400	176,95	CTLP5400	-	CTLNP5400	-
6	CTL0600	63,20	55	CTL5500	176,95	CTLP5500	-	CTLNP5500	-
7	CTL0700	56,86	56	CTL5600	176,95	CTLP5600	-	CTLNP5600	-
8	CTL0800	56,86	57	CTL5700	-	CTLP5700	116,75	CTLNP5700	116,75
9	CTL0900	56,86	58	CTL5800	-	CTLP5800	116,75	CTLNP5800	116,75
10	CTL1000	66,35	59	CTL5900	-	CTLP5900	116,75	CTLNP5900	116,75
11	CTL1100	66,35	60	CTL6000	-	CTLP6000	116,75	CTLNP6000	116,75
12	CTL1200	66,35	61	CTL6100	-	CTLP6100	116,75	CTLNP6100	116,75
13	CTL1300	66,35	62	CTL6200	-	CTLP6200	116,75	CTLNP6200	116,75
14	CTL1400	72,68	63	CTL6300	-	CTLP6300	146,69	CTLNP6300	146,69
15	CTL1500	72,68	64	CTL6400	-	CTLP6400	146,69	CTLNP6400	146,69
16	CTL1600	72,68	65	CTL6500	-	CTLP6500	146,69	CTLNP6500	146,69
17	CTL1700	72,68	66	CTL6600	-	CTLP6600	146,69	CTLNP6600	146,69
18	CTL1800	85,31	67	CTL6700	-	CTLP6700	146,69	CTLNP6700	146,69
19	CTL1900	85,31	68	CTL6800	-	CTLP6800	146,69	CTLNP6800	146,69
20	CTL2000	85,31	69	CTL6900	-	CTLP6900	146,69	CTLNP6900	146,69
21	CTL2100	85,31	70	CTL7000	-	CTLP7000	185,61	CTLNP7000	185,61
22	CTL2200	91,64	71	CTL7100	-	CTLP7100	185,61	CTLNP7100	185,61
23	CTL2300	91,64	72	CTL7200	-	CTLP7200	185,61	CTLNP7200	185,61
24	CTL2400	91,64	73	CTL7300	-	CTLP7300	185,61	CTLNP7300	185,61
25	CTL2500	91,64	74	CTL7400	-	CTLP7400	185,61	CTLNP7400	185,61
26	CTL2600	91,64	75	CTL7500	-	CTLP7500	185,61	CTLNP7500	185,61
27	CTL2700	101,13	76	CTL7600	-	CTLP7600	185,61	CTLNP7600	185,61
28	CTL2800	101,13	77	CTL7700	-	CTLP7700	227,52	CTLNP7700	227,52
29	CTL2900	101,13	78	CTL7800	-	CTLP7800	227,52	CTLNP7800	227,52
30	CTL3000	101,13	79	CTL7900	-	CTLP7900	227,52	CTLNP7900	227,52
31	CTL3100	101,13	80	CTL8000	-	CTLP8000	227,52	CTLNP8000	227,52
32	CTL3200	116,93	81	CTL8100	-	CTLP8100	227,52	CTLNP8100	227,52
33	CTL3300	116,93	82	CTL8200	-	CTLP8200	227,52	CTLNP8200	227,52
34	CTL3400	116,93	83	CTL8300	-	CTLP8300	227,52	CTLNP8300	227,52
35	CTL3500	116,93	84	CTL8400	-	CTLP8400	263,44	CTLNP8400	263,44
36	CTL3600	116,93	85	CTL8500	-	CTLP8500	263,44	CTLNP8500	263,44
37	CTL3700	116,93	86	CTL8600	-	CTLP8600	263,44	CTLNP8600	263,44
38	CTL3800	123,24	87	CTL8700	-	CTLP8700	263,44	CTLNP8700	263,44
39	CTL3900	123,24	88	CTL8800	-	CTLP8800	263,44	CTLNP8800	263,44
40	CTL4000	123,24	89	CTL8900	-	CTLP8900	263,44	CTLNP8900	263,44
41	CTL4100	123,24	90	CTL9000	-	CTLP9000	263,44	CTLNP9000	263,44
42	CTL4200	123,24	91	CTL9100	-	CTLP9100	263,44	CTLNP9100	263,44
43	CTL4300	142,19	92	CTL9200	-	CTLP9200	305,34	CTLNP9200	305,34
44	CTL4400	142,19	93	CTL9300	-	CTLP9300	305,34	CTLNP9300	305,34
45	CTL4500	142,19	94	CTL9400	-	CTLP9400	305,34	CTLNP9400	305,34
46	CTL4600	142,19	95	CTL9500	-	CTLP9500	305,34	CTLNP9500	305,34
47	CTL4700	142,19	96	CTL9600	-	CTLP9600	305,34	CTLNP9600	305,34
48	CTL4800	142,19	97	CTL9700	-	CTLP9700	305,34	CTLNP9700	305,34
49	CTL4900	176,95	98	CTL9800	-	CTLP9800	305,34	CTLNP9800	305,34
50	CTL5000	176,95	99	CTL9900	-	CTLP9900	305,34	CTLNP9900	305,34
			100	CTL10000	-	CTLP10000	320,32	CTLNP10000	320,32