

STANDARD THREADED BARS/R50



STEEL "R50" TRAPEZOIDAL THREADED BARS (11SMnPb37 W.NR: 1.0737) TR10/100 RIGHT AND LEFT (7e class 100 machined out)

art.BFA (Dx)(Sx) - Code "MA" (R)(L)" Generic use for mechanical transmissions with low and medium loads.

> **IF series** = Entirely threaded standard lengths - **FC series** = Standard length with cylindrical shank "cd." of the same nominal Ø of the TR bar.

art.BFA/R50	IF = ENTIRELY THREADED				FC = THREAD + "cd." CYLINDRICAL SHANK WITH THE SAME DIAMETER OF THE BAR WITH TOLERANCE h9									
	1000	1500	2000	3000	1200+ cd.300	2500+ cd.500	2750+ cd.250	2800+ cd.200	2900+ cd.100	5600+ cd.400	5650+ cd.350	5750+ cd.250	5800+ cd.200	
* TR 10x2x CODE	1000 MA10210R	1500 MA10215R	2000 MA10220R	-	1200+cd.300 MA10212+03R	2500+cd.500 MA10225+05R	-	-	2900+cd.100 MA10229+01R	-	-	-	-	
TR 10x3x CODE	1000 MA10310R	1500 MA10315R	2000 MA10320R	-	1200+cd.300 MA10312+03R	2500+cd.500 MA10325+05R	-	-	2900+cd.100 MA10329+01R	-	-	-	-	
TR 12x3x CODE	1000 MA12310R	1500 MA12315R	2000 MA12320R	-	1200+cd.300 MA12312+03R	2500+cd.500 MA12325+05R	-	-	2900+cd.100 MA12329+01R	-	-	-	-	
* TR 14x3x CODE	1000 MA14310R	1500 MA14315R	2000 MA14320R	-	1200+cd.300 MA14312+03R	2500+cd.500 MA14325+05R	-	-	2900+cd.100 MA14329+01R	-	-	-	-	
TR 14x4x CODE	1000 MA14410R	1500 MA14415R	2000 MA14420R	-	1200+cd.300 MA14412+03R	2500+cd.500 MA14425+05R	-	-	2900+cd.100 MA14429+01R	-	-	-	-	
TR 16x4x CODE	1000 MA16410R	1500 MA16415R	2000 MA16420R	-	1200+cd.300 MA16412+03R	2500+cd.500 MA16425+05R	-	2800+cd.200 MA16428+02R	2900+cd.100 MA16429+01R	-	-	-	-	
TR 18x4x CODE	1000 MA18410R	1500 MA18415R	2000 MA18420R	-	1200+cd.300 MA18412+03R	2500+cd.500 MA18425+05R	-	2800+cd.200 MA18428+02R	2900+cd.100 MA18429+01R	-	-	-	-	
TR 20x4x CODE	1000 MA20410R	1500 MA20415R	2000 MA20420R	3000 MA20430R	1200+cd.300 MA20412+03R	2500+cd.500 MA20425+05R	-	2800+cd.200 MA20428+02R	-	-	-	-	-	
* TR 22x5x CODE	1000 MA22510R	1500 MA22515R	2000 MA22520R	-	1200+cd.300 MA22512+03R	2500+cd.500 MA22525+05R	-	2800+cd.200 MA22528+02R	2900+cd.100 MA22529+01R	-	-	-	-	
* TR 24x5x CODE	1000 MA24510R	1500 MA24515R	2000 MA24520R	-	1200+cd.300 MA24512+03R	2500+cd.500 MA24525+05R	2750+cd.250 MA245275+025R	-	2900+cd.100 MA24529+01R	-	-	-	-	
TR 25x5x CODE	1000 MA25510R	1500 MA25515R	2000 MA25520R	3000 MA25530R	1200+cd.300 MA25512+03R	2500+cd.500 MA25525+05R	2750+cd.250 MA255275+025R	-	-	-	-	5750+cd.250 MA255575+025R	-	
* TR 26x5x CODE	1000 MA26510R	1500 MA26515R	2000 MA26520R	-	1200+cd.300 MA26512+03R	2500+cd.500 MA26525+05R	2750+cd.250 MA265275+025R	-	2900+cd.100 MA26529+01R	-	-	-	-	
* TR 28x5x CODE	1000 MA28510R	1500 MA28515R	2000 MA28520R	-	1200+cd.300 MA28512+03R	2500+cd.500 MA28525+05R	2750+cd.250 MA285275+025R	-	2900+cd.100 MA28529+01R	-	-	-	-	
TR 30x6x CODE	1000 MA30610R	1500 MA30615R	2000 MA30620R	3000 MA30630R	1200+cd.300 MA30612+03R	2500+cd.500 MA30625+05R	2750+cd.250 MA306275+025R	-	-	-	-	5750+cd.250 MA306575+025R	-	
* TR 32x6x CODE	1000 MA32610R	1500 MA32615R	2000 MA32620R	-	1200+cd.300 MA32612+03R	2500+cd.500 MA32625+05R	2750+cd.250 MA326275+025R	-	2900+cd.100 MA32629+01R	-	-	-	-	
TR 35x6x CODE	1000 MA35610R	1500 MA35615R	2000 MA35620R	3000 MA35630R	1200+cd.300 MA35612+03R	2500+cd.500 MA35625+05R	-	-	-	-	5650+cd.350 MA356565+035R	-	5800+cd.200 MA35658+02R	
TR 36x6x CODE	1000 MA36610R	1500 MA36615R	2000 MA36620R	3000 MA36630R	1200+cd.300 MA36612+03R	2500+cd.500 MA36625+05R	-	-	-	-	5650+cd.350 MA366565+035R	-	5800+cd.200 MA36658+02R	
TR 40x7x CODE	1000 MA40710R	1500 MA40715R	2000 MA40720R	3000 MA40730R	1200+cd.300 MA40712+03R	2500+cd.500 MA40725+05R	-	-	-	-	5650+cd.350 MA407565+035R	-	5800+cd.200 MA40758+02R	
TR 45x8x CODE	1000 MA45810R	1500 MA45815R	2000 MA45820R	3000 MA45830R	1200+cd.300 MA45812+03R	2500+cd.500 MA45825+05R	-	-	-	5600+cd.400 MA45856+04R	-	-	5800+cd.200 MA45858+02R	
* TR 46x8x CODE	1000 MA46810R	1500 MA46815R	2000 MA46820R	-	1200+cd.300 MA46812+03R	2500+cd.500 MA46825+05R	-	2800+cd.200 MA46828+02R	-	-	-	-	-	
TR 50x8x CODE	1000 MA50810R	1500 MA50815R	2000 MA50820R	3000 MA50830R	1200+cd.300 MA50812+03R	2500+cd.500 MA50825+05R	-	-	-	5600+cd.400 MA50856+04R	-	-	5800+cd.200 MA50858+02R	
TR 55x9x CODE	1000 MA55910R	1500 MA55915R	2000 MA55920R	-	1200+cd.300 MA55912+03R	2500+cd.500 MA55925+05R	-	2800+cd.200 MA55928+02R	-	-	-	-	-	
TR 60x9x CODE	1000 MA60910R	1500 MA60915R	2000 MA60920R	3000 MA60930R	1200+cd.300 MA60912+03R	2500+cd.500 MA60925+05R	-	-	-	5600+cd.400 MA60956+04R	-	-	5800+cd.200 MA60958+02R	
TR 70x10x CODE	-	-	-	3000 MA701030R	-	-	-	-	-	-	-	-	5800+cd.200 MA701058+02R	
TR 80x10x CODE	-	-	-	3000 MA801030R	-	-	-	-	-	-	-	-	5800+cd.200 MA801058+02R	
TR 90x12x CODE	-	-	-	3000 MA901230R	-	-	-	-	-	-	-	-	5800+cd.200 MA901258+02R	
TR 100x12x CODE	-	-	-	3000 MA1001230R	-	-	-	-	-	-	-	-	5800+cd.200 MA1001258+02R	

ORDERING LEFT THREADED BARS TABLE WITH ARTICLES AND CODES FOR RIGHT THREADED BARS, TO ORDER LEFT THREADED BARS SPECIFY "Sx" AT THE END OF THE ARTICLE AND "L" AT THE END OF THE CODE (INSTEAD OF "R"); IF NOT SPECIFIED THEN RIGHT THREAD IS INTENDED.

- * The articles with an asterisk are less used and we suggest checking availability with our offices. - We can supply "Castolin EC 4080" electrodes for welding accessories to the threaded bars.
- # The standard lengths of the bars are normally exceeded except in rare cases where, for raw materials reasons, we cut slightly short up to a maximum of 0,5% % (for example: standard bar L 1.000 = minimum acceptable length L 995 mm).
- > ON REQUEST: "IF" series fully threaded bars with different lengths to those listed above, adapted from stock by our warehouse cutting department (see BFC price list for cutting and bevelling).
- > ON REQUEST: "FC" series with cylindrical shank bars with threads and shanks of different lengths to those listed above (see BFC price list for cutting and bevelling).
- > ON REQUEST: Threaded bars TR65x10 and TR75x10.
- > ON REQUEST: Bars with a different pitch to those listed above. > ON REQUEST: Threaded bars with nitriding treatment.



STEEL "R50" TRAPEZOIDAL THREADED BARS

(11SMnPb37 W.NR: 1.0737) TR10/100 RIGHT AND LEFT (7e class 100 machined out)

- > **art.BFA** (Dx/Sx) - Code "MA" (R/L)" Generic use for mechanical transmissions with low and medium loads.
- > **BID series** = Standard length with Right/Left thread in a single piece.

art.BFA/R50			NORM ISO 2901/2/3/4 - DIN 103						
BID = WITH Dx(R) /Sx(L) THREAD IN SINGLE PIECE			TECHNICAL DATA REGARDING ALL BARS IF - FC - BID						
# Standard Length	1500 Dx + cd.20 + 1500 Sx (Lt.3020)	3000 Dx + cd.20 + 3000 Sx (Lt.6020) ON REQUEST	TR/cd. De in Ø EXTERNAL	dn Ø CORE mm	d _m Ø AVERAGE (max) mm	d _m Ø AVE. RAGE (min.) mm	Kg/mt. THREAD	Kg /mt. SHANK	TURNS & LOADS max
* TR 10x2x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA10230R/L	-	10	7	8,92	8,73	0,500	0,617	SEE GENERAL PRODUCT GUIDE WITH BASIC THEORETICAL TABLE ON PAGES 14/17
TR 10x3x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA10330R/L	-	10	6	8,41	8,19	0,450	0,617	
TR 12x3x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA12330R/L	-	12	8	10,41	10,18	0,680	0,888	
* TR 14x3x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA14330R/L	-	14	10	12,41	12,19	0,960	1,208	
TR 14x4x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA14430R/L	-	14	9	11,90	11,64	0,890	1,208	
TR 16x4x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA16430R/L	-	16	11	13,90	13,64	1,200	1,578	
TR 18x4x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA18430R/L	-	18	13	15,90	15,64	1,580	1,998	
TR 20x4x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA20430R/L	-	20	15	17,89	17,62	1,950	2,466	
* TR 22x5x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA22530R/L	-	22	16	19,39	19,11	2,340	2,984	
* TR 24x5x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA24530R/L	-	24	18	21,39	21,09	2,900	3,551	
TR 25x5x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA25530R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MA25560R/L	25	19	22,39	22,09	3,080	3,853	
* TR 26x5x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA26530R/L	-	26	20	23,39	23,09	3,370	4,168	
* TR 28x5x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA28530R/L	-	28	22	25,39	25,09	3,960	4,834	
TR 30x6x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA30630R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MA30660R/L	30	22	26,87	26,54	4,400	5,549	
* TR 32x6x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA32630R/L	-	32	24	28,88	28,54	5,070	6,313	
TR 35x6x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA35630R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MA35660R/L	35	27	31,88	31,54	6,270	7,552	
TR 36x6x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA36630R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MA36660R/L	36	28	32,88	32,54	6,620	7,990	
TR 40x7x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA40730R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MA40760R/L	40	31	36,37	36,02	8,070	9,864	
TR 45x8x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA45830R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MA45860R/L	45	35	40,86	40,49	10,300	12,480	
* TR 46x8x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA46830R/L	-	46	36	41,86	41,46	10,750	13,050	
TR 50x8x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA50830R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MA50860R/L	50	40	45,86	45,46	12,920	15,410	
TR 55x9x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA55930R/L	-	55	44	50,36	49,93	15,830	18,650	
TR 60x9x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA60930R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MA60960R/L	60	49	55,36	54,93	18,850	22,200	
TR 70x10x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA701030R/L ON REQUEST	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MA701060R/L	70	58	64,85	64,42	26,000	30,210	
TR 80x10x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA801030R/L ON REQUEST	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MA801060R/L	80	68	74,85	74,42	34,500	39,460	
TR 90x12x	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MA901230R/L ON REQUEST	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MA901260R/L	90	76	83,83	83,35	44,000	49,940	
TR 100x12x	1500 Dx + Cd.20 + 1500 Sx (Lt.3020) MA1001230R/L ON REQUEST	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MA1001260R/L	100	86	93,83	93,33	55,200	61,650	

- * The articles with an asterisk are less used and we suggest checking availability with our offices. - We can supply "Castolin EC 4080" electrodes for welding accessories to the threaded bars.
- # The standard lengths of the bars are normally exceeded except in rare cases where, for raw materials reasons, we cut slightly short up to a maximum of 0,5% % (For example: bi-directional bar TR 1500 Dx + Cd.20 + 1500 Sx (Lt.3020) = minimum acceptable length mm L.3005)
- > As an alternative to the above bi-directional bars with "Cd.20" shanks, we usually have in stock bars with a longer central shank that will require anti-flexing support. When the need arises we suggest asking what we have in our warehouse.
- > ON REQUEST: "BID" series bi-directional threaded bars with different lengths to those listed above, adapted from stock by our warehouse cutting department (see BFC price list for cutting and bevelling).
- > ON REQUEST: "BID" series bi-directional threaded bars with threads and central shanks different lengths to those listed above (see BFC price list for cutting and bevelling).
- > ON REQUEST: Bars with a different pitch to those listed above. > ON REQUEST: Threaded bars with nitriding treatment. > ON REQUEST: Threaded bars TR65x10 and TR75x10.

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