

STEEL "R100" TRAPEZOIDAL THREADED BARS

(39NiCrMo3 W.NR. 1.6510) TR10/100 RIGHT AND LEFT (7e class 100 machined out)

> **art.BFA/R100** (Dx)(Sx) - Code "MH" (R)(L)" Used specifically for mechanical transmissions with heavy loads in safety.> **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/R100	IF = ENTIRELY THREADED				FC = THREAD + "cd." CYLINDRICAL SHANK WITH THE SAME DIAMETER OF THE BAR WITH TOLERANCE h9								
# Standard Length	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 MH10210R	1500 MH10215R	2000 MH10220R	-	1200+cd.300 MH10212+03R	2500+cd.500 MH10225+05R	-	-	2900+cd.100 MH10229+01R	-	-	-	-
TR 10x3x CODE	1000 MH10310R	1500 MH10315R	2000 MH10320R	-	1200+cd.300 MH10312+03R	2500+cd.500 MH10325+05R	-	-	2900+cd.100 MH10329+01R	-	-	-	-
TR 12x3x CODE	1000 MH12310R	1500 MH12315R	2000 MH12320R	-	1200+cd.300 MH12312+03R	2500+cd.500 MH12325+05R	-	-	2900+cd.100 MH12329+01R	-	-	-	-
* TR 14x3x CODE	1000 MH14310R	1500 MH14315R	2000 MH14320R	-	1200+cd.300 MH14312+03R	2500+cd.500 MH14325+05R	-	-	2900+cd.100 MH14329+01R	-	-	-	-
TR 14x4x CODE	1000 MH14410R	1500 MH14415R	2000 MH14420R	-	1200+cd.300 MH14412+03R	2500+cd.500 MH14425+05R	-	-	2900+cd.100 MH14429+01R	-	-	-	-
TR 16x4x CODE	1000 MH16410R	1500 MH16415R	2000 MH16420R	-	1200+cd.300 MH16412+03R	2500+cd.500 MH16425+05R	-	2800+cd.200 MH16428+02R	2900+cd.100 MH16429+01R	-	-	-	-
TR 18x4x CODE	1000 MH18410R	1500 MH18415R	2000 MH18420R	-	1200+cd.300 MH18412+03R	2500+cd.500 MH18425+05R	-	2800+cd.200 MH18428+02R	2900+cd.100 MH18429+01R	-	-	-	-
TR 20x4x CODE	1000 MH20410R	1500 MH20415R	2000 MH20420R	3000 MH20430R	1200+cd.300 MH20412+03R	2500+cd.500 MH20425+05R	-	2800+cd.200 MH20428+02R	-	-	-	-	-
* TR 22x5x CODE	1000 MH22510R	1500 MH22515R	2000 MH22520R	-	1200+cd.300 MH22512+03R	2500+cd.500 MH22525+05R	-	2800+cd.200 MH22528+02R	2900+cd.100 MH22529+01R	-	-	-	-
* TR 24x5x CODE	1000 MH24510R	1500 MH24515R	2000 MH24520R	-	1200+cd.300 MH24512+03R	2500+cd.500 MH24525+05R	2750+cd.250 MH245275+025R	-	2900+cd.100 MH24529+01R	-	-	-	-
TR 25x5x CODE	1000 MH25510R	1500 MH25515R	2000 MH25520R	3000 MH25530R	1200+cd.300 MH25512+03R	2500+cd.500 MH25525+05R	2750+cd.250 MH255275+025R	-	-	-	-	5750+cd.250 MH255575+025R	-
* TR 26x5x CODE	1000 MH26510R	1500 MH26515R	2000 MH26520R	-	1200+cd.300 MH26512+03R	2500+cd.500 MH26525+05R	2750+cd.250 MH265275+025R	-	2900+cd.100 MH26529+01R	-	-	-	-
* TR 28x5x CODE	1000 MH28510R	1500 MH28515R	2000 MH28520R	-	1200+cd.300 MH28512+03R	2500+cd.500 MH28525+05R	2750+cd.250 MH285275+025R	-	2900+cd.100 MH28529+01R	-	-	-	-
TR 30x6x CODE	1000 MH30610R	1500 MH30615R	2000 MH30620R	3000 MH30630R	1200+cd.300 MH30612+03R	2500+cd.500 MH30625+05R	2750+cd.250 MH306275+025R	-	-	-	-	5750+cd.250 MH306575+025R	-
TR 35x6x CODE	1000 MH35610R	1500 MH35615R	2000 MH35620R	3000 MH35630R	1200+cd.300 MH35612+03R	2500+cd.500 MH35625+05R	-	-	-	-	5650+cd.350 MH356565+035R	-	5800+cd.200 MH35658+02R
TR 40x7x CODE	1000 MH40710R	1500 MH40715R	2000 MH40720R	3000 MH40730R	1200+cd.300 MH40712+03R	2500+cd.500 MH40725+05R	-	-	-	-	5650+cd.350 MH407565+035R	-	5800+cd.200 MH40758+02R
TR 45x8x CODE	1000 MH45810R	1500 MH45815R	2000 MH45820R	3000 MH45830R	1200+cd.300 MH45812+03R	2500+cd.500 MH45825+05R	-	-	-	5600+cd.400 MH45856+04R	-	-	5800+cd.200 MH45858+02R
TR 50x8x CODE	1000 MH50810R	1500 MH50815R	2000 MH50820R	3000 MH50830R	1200+cd.300 MH50812+03R	2500+cd.500 MH50825+05R	-	-	-	5600+cd.400 MH50856+04R	-	-	5800+cd.200 MH50858+02R
TR 55x9x CODE	1000 MH55910R	1500 MH55915R	2000 MH55920R	3000 MH55930R	1200+cd.300 MH55912+03R	2500+cd.500 MH55925+05R	-	-	-	5600+cd.400 MH55956+04R	-	-	5800+cd.200 MH55958+02R
TR 60x9x CODE	1000 MH60910R	1500 MH60915R	2000 MH60920R	3000 MH60930R	1200+cd.300 MH60912+03R	2500+cd.500 MH60925+05R	-	-	-	5600+cd.400 MH60956+04R	-	-	5800+cd.200 MH60958+02R
TR 70x10x CODE	-	-	-	3000 MH701030R	-	-	-	-	-	-	-	-	5800+cd.200 MH701058+02R
TR 80x10x CODE	-	-	-	3000 MH801030R	-	-	-	-	-	-	-	-	5800+cd.200 MH801058+02R
TR 90x12x CODE	-	-	-	3000 MH901230R	-	-	-	-	-	-	-	-	5800+cd.200 MH901258+02R
TR 100x12x CODE	-	-	-	3000 MH1001230R	-	-	-	-	-	-	-	-	5800+cd.200 MH1001258+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.												

IMPORTANT: For reasons of availability of the material these bars may be supplied **42CrMo4 steel** (steel with similar mechanical properties).

* 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 "R100" TRAPEZOIDAL THREADED BARS

(39NiCrMo3 W.NR. 1.6510) TR10/100 RIGHT AND LEFT (7e class 100 machined out)

> **art.BFA/R100** (Dx/Sx) - Code "MH" (R/L)" Used specifically for mechanical transmissions with heavy loads in safety.> **BID series** = Standard length with Right/Left thread in a single piece.

art.BFA/R100	BID = WITH Dx(R) /Sx(L) THREAD IN SINGLE PIECE		NORM ISO 2901/2/3/4 - DIN 103						
	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 EEXTERNAL	dn Ø CORE mm	dm Ø AVERAGE (max) mm	dm Ø AVERAGE (min.) mm	Kg/mt. THREAD	Kg/mt. SHANK	Turns & Loads max
* TR 10x2x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH10230R/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 CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH10330R/L	-	10	6	8,41	8,19	0,450	0,617	
TR 12x3x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH12330R/L	-	12	8	10,41	10,18	0,680	0,888	
* TR 14x3x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH14330R/L	-	14	10	12,41	12,19	0,960	1,208	
TR 14x4x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH14430R/L	-	14	9	11,90	11,64	0,890	1,208	
TR 16x4x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH16430R/L	-	16	11	13,90	13,64	1,200	1,578	
TR 18x4x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH18430R/L	-	18	13	15,90	15,64	1,580	1,998	
TR 20x4x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH20430R/L	-	20	15	17,89	17,62	1,950	2,466	
* TR 22x5x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH22530R/L	-	22	16	19,39	19,11	2,340	2,984	
* TR 24x5x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH24530R/L	-	24	18	21,39	21,09	2,900	3,551	
TR 25x5x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH25530R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MH25560R/L	25	19	22,39	22,09	3,080	3,853	
* TR 26x5x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH26530R/L	-	26	20	23,39	23,09	3,370	4,168	
* TR 28x5x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH28530R/L	-	28	22	25,39	25,09	3,960	4,834	
TR 30x6x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH30630R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MH30660R/L	30	22	26,87	26,54	4,400	5,549	
TR 35x6x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH35630R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MH35660R/L	35	27	31,88	31,54	6,270	7,552	
TR 40x7x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH40730R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MH40760R/L	40	31	36,37	36,02	8,070	9,864	
TR 45x8x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH45830R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MH45860R/L	45	35	40,86	40,49	10,300	12,480	
TR 50x8x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH50830R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MH50860R/L	50	40	45,86	45,46	12,920	15,410	
TR 55x9x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH55930R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MH55960R/L	55	44	50,36	49,93	15,830	18,650	
TR 60x9x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH60930R/L	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MH60960R/L	60	49	55,36	54,93	18,850	22,200	
TR 70x10x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH701030R/L ON REQUEST	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MH701060R/L	70	58	64,85	64,42	26,000	30,210	
TR 80x10x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH801030R/L ON REQUEST	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MH801060R/L	80	68	74,85	74,42	34,500	39,460	
TR 90x12x CODE	1500 Dx + cd.20 + 1500 Sx (Lt.3020) MH901230R/L ON REQUEST	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MH901260R/L	90	76	83,83	83,35	44,000	49,940	
TR 100x12x CODE	1500 Dx + Cd.20 + 1500 Sx (Lt.3020) MH1001230R/L ON REQUEST	3000 Dx + cd.20 + 3000 Sx (Lt.6020) MH1001260R/L	100	86	93,83	93,33	55,200	61,650	

IMPORTANT: For reasons of availability of the material these bars may be supplied **42CrMo4 steel** (steel with similar mechanical properties).

- 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 available 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:** Threaded bars **TR65x10** and **TR75x10**.> **ON REQUEST:** Bars with a **different pitch** to those listed above.> **ON REQUEST:** Threaded bars with **nitriding treatment**.