

TENSION RODS



Tension rods 4.2

Tension rods



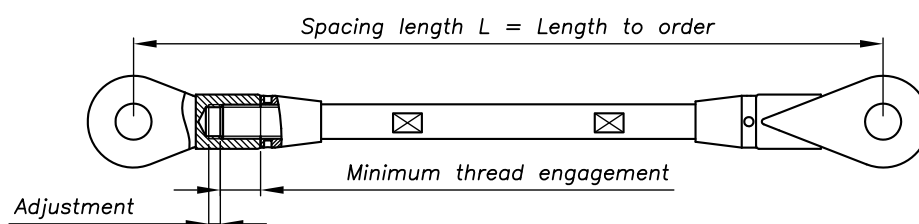
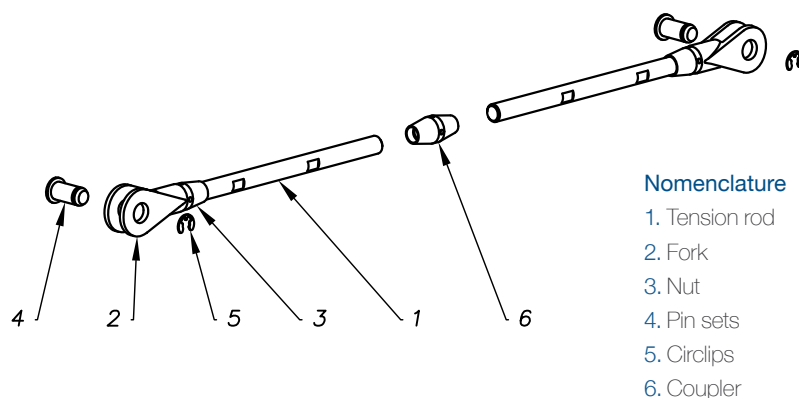
Description

Sadev designs, manufactures and markets a wide range of rods to meet the aesthetic requirements required for contemporary structures. The rods are available in 9 sizes and bars 1 single length up to 3m, sleeved beyond.

Material: stainless steel AISI 316 – X2CrNiMo17-12-2 according EN 10088-3 – Marine quality.

Elastic limit = $R_{p0,2\%} = 355 \text{ N/mm}^2$

Tensile strength = $R_m = 700 \text{ N/mm}^2$



SET REFERENCE	Ø THREAD	F1 KN (IB)	F2 KN (IB)	F3 KN (IB)
13STR15M08L	M8	17,8 (4001)	14,6 (3282)	30,5 (6856)
13STR18M10L	M10	27,8 (6249)	22,6 (5080)	48,3 (10858)
13STR18M12L	M12	40,1 (9014)	32,8 (7373)	66 (14837)
13STR25M14L	M14	54,6 (12274)	44,7 (10048)	95,4 (21446)
13STR25M16L	M16	71,3 (16028)	58,5 (13151)	128,2 (28820)
13STR31M18L	M18	90,3 (20300)	74 (16635)	141,4 (31787)
13STR31M20L	M20	111,5 (25066)	91,4 (20547)	174,2 (39161)
13STR38M22L	M22	134,8 (30304)	110,5 (24841)	230,7 (51863)
13STR38M24L	M24	160,5 (36081)	131,5 (29562)	288,5 (64857)

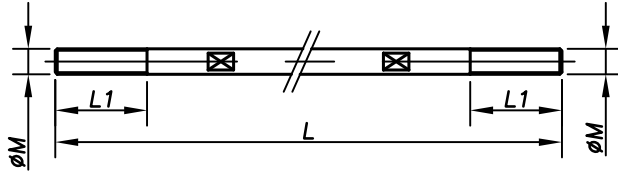
F1 = 0,2% yield strength (KN)

F2 = Permissible load = 0.2% yield strength with 18% safety factor (Kn)

F3 = Breaking load (Kn)

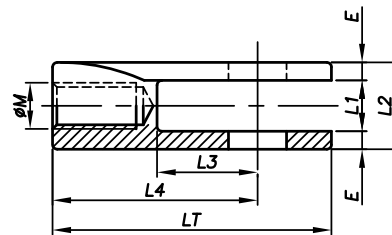
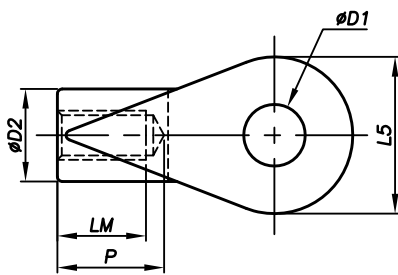
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REFERENCE	SCREW THREAD	L1	SETTING
13-TIR-08-L	M8	34	±5
13-TIR-10-L	M10	36	±6
13-TIR-12-L	M12	36	±6
13-TIR-14-L	M14	50	±8,5
13-TIR-16-L	M16	50	±8,5
13-TIR-18-L	M18	62	±10,5
13-TIR-20-L	M20	62	±10,5
13-TIR-22-L	M22	72	±12,5
13-TIR-24-L	M24	72	±12,5

Fork



Elastic limit = $R_p 0,2\% = 200 \text{ N/mm}^2$
Tensile strength = $R_m = 510-710 \text{ N/mm}^2$

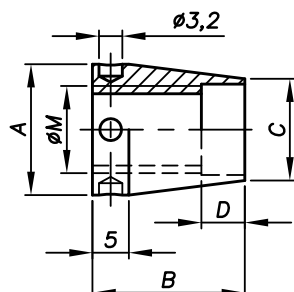
Finish : Electropolished.
For other surface treatment, contact us.

REFERENCE *	TOLERANCE	D1	D2	R	L1	L2	L3	L4	L5	LT	E	P	LM
STR15-EP-M08	M8 *1,25	10,5	15	1	9	15	18,5	35,5	25	48	3	17	17
STR18-EP-M10	M10 *1,5	12,5	18,8	1	11	18,8	21,6	44,1	31,8	60	3,9	22	18
STR18-EP-M12	M12 x 1,75	12,5	18,8	1	11	18,8	21,6	44,1	31,8	60	3,9	22	18
STR25-EP-M14	M14 x 2	15,5	25	1,5	13	25	28,8	58,8	42,6	80	6	30	26
STR25-EP-M16	M16 x 2	15,5	25	1,5	13	25	28,8	58,8	42,6	80	6	30	26
STR31-EP-M18	M18 x 2,5	20,5	31,2	2	16,5	31,2	35,9	73,4	53,2	100	7,35	37	32
STR31-EP-M20	M20 x 2,5	20,5	31,2	2	16,5	31,2	35,9	73,4	53,2	100	7,35	37	32
STR38-EP-M22	M22 x 2,5	25,5	37,5	2	21,5	37,5	43,1	88,1	63,8	120	8	45	38
STR38-EP-M24	M24 x 3	25,5	37,5	2	21,5	37,5	43,1	88,1	63,8	120	8	45	38

* Specify the thread (G for left / D for right).

Accessories

NUTS

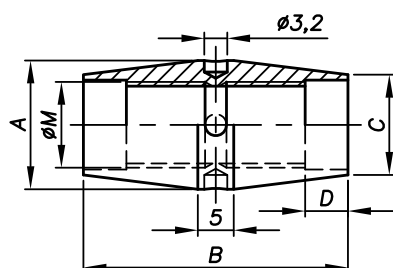


REFERENCES*	A	B	C	D
STR15-EINCH-M8	15	21	10	6
STR15-EINCH-M10	18	21	12	6
STR15-EINCH-M12	18	21	14	6
STR15-EINCH-M14	25	27	16	6
STR15-EINCH-M16	25	27	18	6
STR15-EINCH-M18	30	34	20	6
STR15-EINCH-M20	30	34	22	8
STR15-EINCH-M22	35	40	25	8
STR15-EINCH-M24	35	40	27	8

For this article, think about ordering a **Spanner** for the nuts.

* Specify the thread (G for left / D for right).

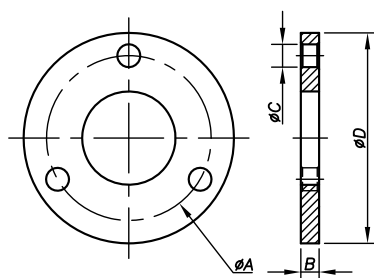
COUPLER



REFERENCES	A	B	C	D
STR15-MANIN-M8	15	37	10	6
STR15-MANIN-M10	18	37	12	6
STR15-MANIN-M12	18	37	14	6
STR15-MANIN-M14	25	49	16	6
STR15-MANIN-M16	25	49	18	6
STR15-MANIN-M18	30	63	20	6
STR15-MANIN-M20	30	63	22	8
STR15-MANIN-M22	35	75	25	8
STR15-MANIN-M24	35	75	27	8

If the length ordered exceeds 3 meters, the tension rods being delivered in X equal lengths coupled by one or more Coupler.

REPARTITION DISC



Reference : STR 18 X-DR-90 custom made.



