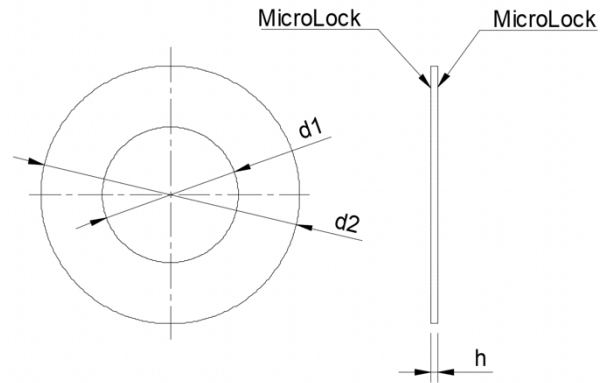


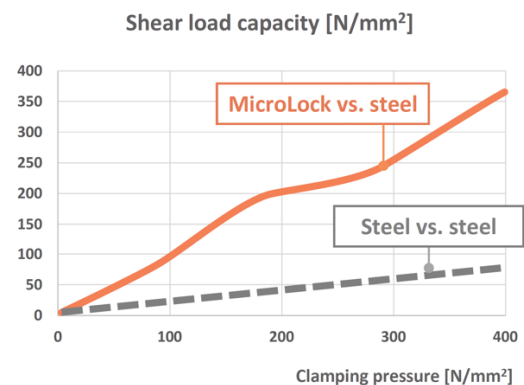
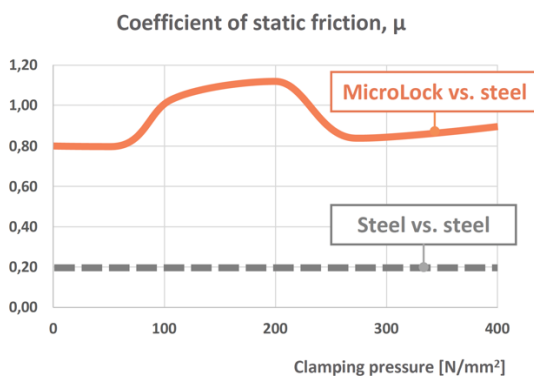
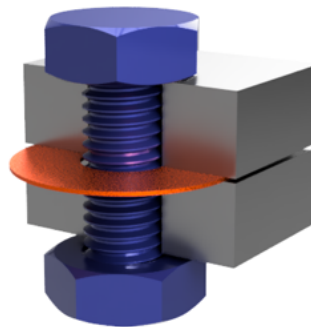
TRD MicroLock™ Disc

Micromechanical interlocking and increase in shear strength of bolted connections.

MicroLock surface	Both flat sides
Base material	Steel or stainless steel
Range μ	0.8 to 1.2 +/- 5% *
Surface hardness	1900 +/- 100 HV
Suitable bolting materials	Steel Cast iron Stainless steel Aluminium Plastics Composites



*Coefficient of static friction (μ) depends on applied clamping pressure and counterpart materials. See example below.



For data on specific counterparts alloys, please contact our technical department.

TRD MicroLock™ Disc - Sizes

Metric bolt size	d1 [mm]	d2 [mm]	Tolerance d [mm]	h [mm]	Catalog number
M2.5	2,7	4,6	+/- 0,1	h*	ML-M2.5-"h"
M3	3,2	5,6	+/- 0,1	h*	ML-M3-"h"
M4	4,3	7,4	+/- 0,1	h*	ML-M4-"h"
M5	5,3	9,4	+/- 0,1	h*	ML-M5-"h"
M6	6,4	11,2	+/- 0,1	h*	ML-M6-"h"
M7	7,4	13,3	+/- 0,1	h*	ML-M7-"h"
M8	8,4	15,0	+/- 0,1	h*	ML-M8-"h"
M10	10,5	18,9	+/- 0,1	h*	ML-M10-"h"
M12	13	22,9	+/- 0,1	h*	ML-M12-"h"
M14	15	26,7	+/- 0,1	h*	ML-M14-"h"
M16	17	31,0	+/- 0,1	h*	ML-M16-"h"
M18	19	34,3	+/- 0,1	h*	ML-M18-"h"
M20	21	38,6	+/- 0,1	h*	ML-M20-"h"
M22	23	42,9	+/- 0,1	h*	ML-M22-"h"
M24	25	46,2	+/- 0,1	h*	ML-M24-"h"
M27	28	52,6	+/- 0,1	h*	ML-M27-"h"
M30	31	58,1	+/- 0,1	h*	ML-M30-"h"
M33	34	64,5	+/- 0,1	h*	ML-M33-"h"
M36	37	69,9	+/- 0,1	h*	ML-M36-"h"
M42	43	81,8	+/- 0,1	h*	ML-M42-"h"
M48	50	94,2	+/- 0,1	h*	ML-M48-"h"
M52	54	102,7	+/- 0,1	h*	ML-M52-"h"
M56	58	110,3	+/- 0,1	h*	ML-M56-"h"
M60	62	118,9	+/- 0,1	h*	ML-M60-"h"
M64	66	126,5	+/- 0,1	h*	ML-M64-"h"
M68	70	135,0	+/- 0,1	h*	ML-M68-"h"
Custom size & shape	Ready at your service – just send your request and requirements				

* Height and height tolerance according to your specifications.
 Typical delivery time: 3 to 5 weeks, faster can be arranged.