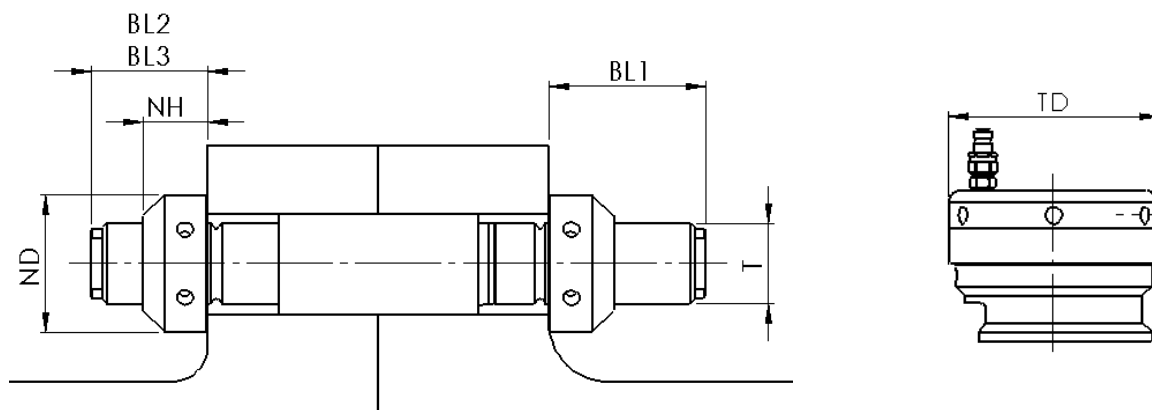




**Hydraulic Coupling Bolts
External Thread
Standard Design Data**



Nominal Hole Diameter	Bolt Thread	Nut Dimensions		Bolt Protrusion			Tensioner Dia	Axial Load per Bolt	
	T	ND	NH	BL1	BL2	BL3 (1)	TD	Applied	Residual (2)
	mm	mm	mm	mm	mm	mm	mm	kN	kN
40-43	M33x3.5	57	27	68	51	36	91	323	242
44-47	M36x4	62	29	73	54	39	98	377	283
48-51	M39x4	68	32	79	59	42	106	456	342
52-54	M42x4.5	72	34	85	63	45	113	527	395
55-58	M4x4.5	77	36	90	67	47	122	619	464
59-63	M48x5	83	39	96	71	51	128	693	520
64-68	M52x5	90	42	104	77	55	139	835	626
69-72	M56x5.5	96	45	110	82	58	148	960	720
73-78	M60x5.5	103	48	117	87	61	158	1126	845
79-83	M64x6	110	52	126	94	67	168	1270	953
84-87	M68x6	116	55	133	99	70	178	1460	1095
88-93	M72x6	124	58	139	104	73	188	1663	1247
94-97	M76x6	130	61	147	110	77	199	1879	1409
98-102	M80x6	138	64	153	115	80	209	2108	1581
104-109	M85x6	146	68	162	122	84	222	2413	1810
110-116	M90x6	156	72	172	130	90	236	2739	2054
117-121	M95x6	163	76	181	137	94	250	3085	2314
123-129	M100x6	173	80	189	143	98	264	3452	2589
130-135	M105x6	182	84	199	152	104	276	3840	2880
136-140	M110x6	190	88	208	158	108	289	4248	3186
141-146	M115x6	198	92	216	165	112	302	4677	3508
147-150	M120x6	205	96	224	171	116	314	5126	3845

These standard sizes are for guidance only. Special designs are available to suit specific customer requirements,

Notes:

1. BL3 is for clamp bolt version
2. Residual load can vary based on exact bolt