



- 1500 bar working pressure
- 160~4020 kN tensioning force
- 10 mm stroke (8 mm in HSR0)
- Tüv Rheinland certified manufacturing
- CE certified and 2 years warranty
- M20~M115 bolt sizes
- 3/4"~4 1/2" bolt sizes
- Spring return type (except HSR0)
- Overstroke limiter line
- Easy to assembly and disassembly of adapters
- Easily replaced quick couplers
- Wide technical support and spare part capability
- Trade Mark: TorcPLUS®

Code #	Pressure bar	Type Spring / Load	Tensioning Force kN	Tensioning Force ton	Effective Area cm2	Weight kg
HSR0	1500	Load Return	160	16,3	10,67	2,5
HSR1	1500	Spring Return	280	28,5	18,67	3,7
HSR2	1500	Spring Return	450	45,8	30,01	5,5
HSR3	1500	Spring Return	660	67,2	44,01	7,5
HSR4	1500	Spring Return	1000	101,9	66,68	11,5
HSR5	1500	Spring Return	1500	152,9	100,03	18,5
HSR6	1500	Spring Return	2500	254,8	166,71	33
HSR7	1500	Spring Return	3200	326,2	213,39	46,9
HSR8	1500	Spring Return	4020	409,7	273,35	63,5

* HSR0 has 8 mm of stroke, others have 10 mm.

Complementary Equipment

The following complementary equipment can be purchased as a set together with tensioner or separately.



High Pressure Hose



Ultra High Pressure Pump



Quick Couplers

Bolt Tensioners

HSR Series

TorcPLUS®
durable bolting technologies

Code #	Adapter Kit #	Bolt Size metric	A mm	B mm	C mm	D mm
HSR0	HSR0-06	M20x2,5	66	93	63	142
	HSR0-08	M22x2,5	66	93	63	144
HSR1	HSR1-07	M24x3	87	117	68	175
	HSR1-09	M27x3	87	117	68	178
HSR2	HSR2-11	M24x3	103	117	75	175
	HSR2-13	M27x3	103	117	75	178
	HSR2-14	M30x3	103	120	80	184
	HSR2-15	M33x3,5	103	123	84	190
	HSR2-16	M36x4	103	126	89	196
HSR3	HSR3-11	M33x3,5	118	123	88	192
	HSR3-12	M36x4	118	126	96	198
	HSR3-13	M39x4	118	130	96	204
	HSR3-14	M42x4,5	118	133	105	211
HSR4	HSR4-14	M39x4	140,5	132	112	212
	HSR4-15	M42x4,5	140,5	135	114	218
	HSR4-16	M45x4,5	140,5	139	118	225
	HSR4-17	M48x5	140,5	142	114	231
HSR5	HSR5-12	M52x5	175,5	148	120	248
	HSR5-13	M56x5,5	175,5	154	138	258
	HSR5-15	M60x5,5	175,5	161	138	262
	HSR5-16	M64x6	175,5	161	153	273
	HSR5-18	M68x6	175,5	167	156	283
HSR6	HSR6-14	M72x6	219	167	157	297
	HSR6-15	M76x6	219	171	182	308
	HSR6-18	M80x6	219	180	190	312
	HSR6-20	M85x6	219	180	190	323
	HSR6-22	M90x6	219	186	205	334
HSR7	HSR7-10	M90x6	252	186	200	341
	HSR7-12	M95x6	252	186	200	346
	HSR7-14	M100x6	252	192	200	356
HSR8	HSR8-10	M105x6	282	198	254	378
	HSR8-12	M110x6	282	198	254	383
	HSR8-14	M115x6	282	205	259	394

