

BS 3692 Gr 8.8 A¹ / B² TECHNICAL CHART

Dia (Size)	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36
Pitch	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	3.5	4
Elongation %	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Reduction %	52	52	52	52	52	52	52	52	52	52	52	52	52	52
Tensile Stress N/mm²	800	800	800	830	830	830	830	830	830	830	830	830	830	830
Stress Proof S_p N/mm²	580	580	580	600	600	600	600	600	600	600	600	600	600	600
Proof Load KN	11.7	21.2	33.70	50.7	69.0	94.5	115.2	147.0	181.8	211.8	275.4	336.6	416.4	490.2
Torque N/mm²	9.40	22.8	45.80	81.50	129.7	202.3	278.4	394.7	536.9	682.4	998.3	1356	1845	2369
Dia (Size)	M39	M42	M45	M48	M52	M56	M60	M64	M68	M72	M76	M80	M85	M90
Pitch	4	4.5	4.5	5	5	5.5	5.5	6	6	6	6	6	6	6
Elongation %	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Reduction %	52	52	52	52	52	52	52	52	52	52	52	52	52	52
Tensile Stress N/mm²	830	830	830	830	830	830	830	830	830	830	830	830	830	830
Stress Proof S_p N/mm²	600	600	600	600	600	600	600	600	600	600	600	600	600	600
Proof Load KN	585.6	672	786	882	1056	1218	1416	1608	1836	2076	2334	2604	2970	3354
Torque N/mm²	3066	3789	4748	5684	7372	9157	11406	13816	16761	20067	23814	27967	33891	40525
Dia (Size)	M95	M100	-	-	-	-	-	-	-	-	-	-	-	-
Pitch	6	6	-	-	-	-	-	-	-	-	-	-	-	-
Elongation %	12	12	-	-	-	-	-	-	-	-	-	-	-	-
Reduction %	52	52	-	-	-	-	-	-	-	-	-	-	-	-
Tensile Stress N/mm²	830	830	-	-	-	-	-	-	-	-	-	-	-	-
Stress Proof S_p N/mm²	600	600	-	-	-	-	-	-	-	-	-	-	-	-
Proof Load KN	3762	4194	-	-	-	-	-	-	-	-	-	-	-	-
Torque N/mm²	47980	56304	-	-	-	-	-	-	-	-	-	-	-	-