

Features

- Can be used in a vast array of applications
- Tightened and loosened by conventional sized Allen keys
- Made from grade 12.9 high tensile steel, making them very strong
- Offers several advantages compared to hexagon headed bolts and set screws
- Self Colour
- Conforms to DIN 912 specifications

RS PRO Socket Screws



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

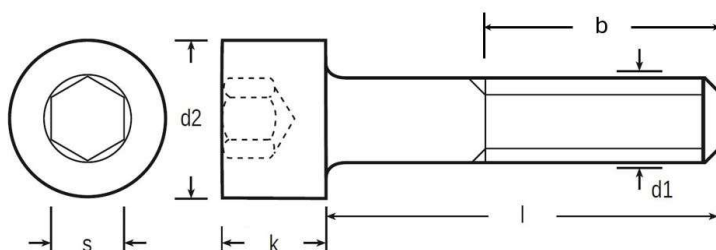
Hexagon socket head cap screws are used to affix two or more components together. They can be used in a wide variety of applications from the automotive industry to wind farms, and everything in-between, covering a huge span of manufacturing, repair, and maintenance projects.

The head style features a knurled cylindrical design with a hexagonal internal drive, enabling the screw to be tightened and loosened with the use of an Allen key (also referred to as an Allen wrench, hex key, or hexagon wrench), as opposed to a traditional screwdriver or spanner/socket wrench.

Manufactured from grade 12.9 carbon steel, they are incredibly strong. They are stronger than a conventional hexagon headed bolt or set screw (typically grade 8.8 high tensile steel). Advantages to this include being able to apply an even greater clamping force compared to standard hexagon headed bolts and set screws, resulting in potentially less holes required, leading to greater integral strength of the components, as well as a reduction in assembly time, and ultimately, costs.

Being self-colour, these screws are ideal for areas which are not exposed to moisture, for example, internal applications.

These screws conform to DIN 912 specifications.



Approvals

Standards Met

DIN 912

Article No.	Diameter d1	Length (mm) l	Thread Length Min b	Pitch (mm)	Key Size nom s	Head Diameter Range mm d2	Head Height Range mm k
293252	M1.6	3	15	0.35	1.5	2.86-3.14	1.46-1.6
293268	M1.6	6	15	0.35	1.5	2.86-3.14	1.46-1.6
293274	M2	4	16	0.4	1.5	3.62-3.14	1.86-2
293280	M2	6	16	0.4	1.5	3.62-3.98	1.86-2
293296	M2	12	16	0.4	1.5	3.62-3.98	1.86-2
293303	M2.5	4	17	0.45	2	4.32-3.98	2.36-2.5
281647	M2.5	6	17	0.45	2	4.32-4.68	2.36-2.5
281653	M2.5	12	17	0.45	2	4.32-4.68	2.36-2.5
0606391	M3	5	18	0.5	2.5	5.32-4.68	2.86-3
4679773	M3	6	18	0.5	2.5	5.32-5.68	2.86-3
4679789	M3	8	18	0.5	2.5	5.32-5.68	2.86-3
4679795	M3	10	18	0.5	2.5	5.32-5.68	2.86-3
4679802	M3	12	18	0.5	2.5	5.32-5.68	2.86-3
0606392	M3	14	18	0.5	2.5	5.32-5.68	2.86-3
8229063	M3	15	18	0.5	2.5	5.32-5.68	2.86-3
4679818	M3	16	18	0.5	2.5	5.32-5.68	2.86-3
4679824	M3	20	18	0.5	2.5	5.32-5.68	2.86-3
4679830	M3	25	18	0.5	2.5	5.32-5.68	2.86-3
4679846	M3	30	18	0.5	2.5	5.32-5.68	2.86-3
8229066	M3	35	18	0.5	2.5	5.32-5.68	2.86-3
8229060	M3	40	18	0.5	2.5	5.32-5.68	2.86-3
8229079	M4	6	20	0.7	3	6.78-5.68	3.82-4
4679852	M4	8	20	0.7	3	6.78-7.22	3.82-4
4679874	M4	10	20	0.7	3	6.78-7.22	3.82-4
4679880	M4	12	20	0.7	3	6.78-7.22	3.82-4
0606393	M4	14	20	0.7	3	6.78-7.22	3.82-4
4679896	M4	16	20	0.7	3	6.78-7.22	3.82-4
0606394	M4	18	20	0.7	3	6.78-7.22	3.82-4
4679903	M4	20	20	0.7	3	6.78-7.22	3.82-4
4679919	M4	25	20	0.7	3	6.78-7.22	3.82-4
4679931	M4	30	20	0.7	3	6.78-7.22	3.82-4
8229072	M4	35	20	0.7	3	6.78-7.22	3.82-4
4679947	M4	40	20	0.7	3	6.78-7.22	3.82-4
0606395	M4	45	20	0.7	3	6.78-7.22	3.82-4
8229076	M4	50	20	0.7	3	6.78-7.22	3.82-4
0606396	M4	70	20	0.7	3	6.78-7.22	3.82-4
0606397	M5	6	22	0.8	4	8.28-7.22	4.82-5
8229085	M5	8	22	0.8	4	8.28-8.72	4.82-5
4679953	M5	10	22	0.8	4	8.28-8.72	4.82-5
4679969	M5	12	22	0.8	4	8.28-8.72	4.82-5
0606398	M5	14	22	0.8	4	8.28-8.72	4.82-5
0606400	M5	15	22	0.8	4	8.28-8.72	4.82-5
4679975	M5	16	22	0.8	4	8.28-8.72	4.82-5
0606401	M5	18	22	0.8	4	8.28-8.72	4.82-5
4679981	M5	20	22	0.8	4	8.28-8.72	4.82-5
4679997	M5	25	22	0.8	4	8.28-8.72	4.82-5
4680004	M5	30	22	0.8	4	8.28-8.72	4.82-5
4680010	M5	35	22	0.8	4	8.28-8.72	4.82-5
4680032	M5	40	22	0.8	4	8.28-8.72	4.82-5
0606402	M5	45	22	0.8	4	8.28-8.72	4.82-5

Article No.	Diameter d1	Length (mm) l	Thread Length Min b	Pitch (mm)	Key Size nom s	Head Diameter Range mm d2	Head Height Range mm k
4680048	M5	50	22	0.8	4	8.28-8.72	4.82-5
0606403	M5	55	22	0.8	4	8.28-8.72	4.82-5
0606404	M5	60	22	0.8	4	8.28-8.72	4.82-5
0606405	M5	65	22	0.8	4	8.28-8.72	4.82-5
0606407	M5	70	22	0.8	4	8.28-8.72	4.82-5
0606408	M5	75	22	0.8	4	8.28-8.72	4.82-5
0606409	M5	80	22	0.8	4	8.28-8.72	4.82-5
0606410	M5	90	22	0.8	4	8.28-8.72	4.82-5
0606411	M5	100	22	0.8	4	8.28-8.72	4.82-5
0606413	M5	110	22	0.8	4	8.28-8.72	4.82-5
0606480	M5	120	22	0.8	4	8.28-8.72	4.82-5
0606481	M6	6	24	1	5	9.78-8.72	5.7-6
4680054	M6	10	24	1	5	9.78-10.22	5.7-6
4680060	M6	12	24	1	5	9.78-10.22	5.7-6
8229313	M6	14	24	1	5	9.78-10.22	5.7-6
8229088	M6	15	24	1	5	9.78-10.22	5.7-6
4680076	M6	16	24	1	5	9.78-10.22	5.7-6
0606482	M6	18	24	1	5	9.78-10.22	5.7-6
4680105	M6	20	24	1	5	9.78-10.22	5.7-6
4680082	M6	25	24	1	5	9.78-10.22	5.7-6
4680098	M6	30	24	1	5	9.78-10.22	5.7-6
4680111	M6	35	24	1	5	9.78-10.22	5.7-6
4680127	M6	40	24	1	5	9.78-10.22	5.7-6
4680133	M6	45	24	1	5	9.78-10.22	5.7-6
4680149	M6	50	24	1	5	9.78-10.22	5.7-6
8229082	M6	55	24	1	5	9.78-10.22	5.7-6
4680155	M6	60	24	1	5	9.78-10.22	5.7-6
0606483	M6	65	24	1	5	9.78-10.22	5.7-6
275018	M6	70	24	1	5	9.78-10.22	5.7-6
0606485	M6	75	24	1	5	9.78-10.22	5.7-6
0606486	M6	80	24	1	5	9.78-10.22	5.7-6
0606487	M6	85	24	1	5	9.78-10.22	5.7-6
0606488	M6	90	24	1	5	9.78-10.22	5.7-6
0606489	M6	100	24	1	5	9.78-10.22	5.7-6
0606491	M6	110	24	1	5	9.78-10.22	5.7-6
0606492	M6	120	24	1	5	9.78-10.22	5.7-6
0606493	M6	130	24	1	5	9.78-10.22	5.7-6
0606494	M6	150	24	1	5	9.78-10.22	5.7-6
0606495	M8	10	28	1.25	6	12.73-10.22	7.64-8
529696	M8	12	28	1.25	6	12.73-13.27	7.64-8
0606496	M8	15	28	1.25	6	12.73-13.27	7.64-8
529703	M8	16	28	1.25	6	12.73-13.27	7.64-8
2646424	M8	16	28	1.25	6	12.73-13.27	7.64-8
0606497	M8	18	28	1.25	6	12.73-13.27	7.64-8
529719	M8	20	28	1.25	6	12.73-13.27	7.64-8
0606498	M8	22	28	1.25	6	12.73-13.27	7.64-8
529725	M8	25	28	1.25	6	12.73-13.27	7.64-8
4680161	M8	30	28	1.25	6	12.73-13.27	7.64-8
4680177	M8	35	28	1.25	6	12.73-13.27	7.64-8
4680199	M8	40	28	1.25	6	12.73-13.27	7.64-8

Article No.	Diameter d1	Length (mm) l	Thread Length Min b	Pitch (mm)	Key Size nom s	Head Diameter Range mm d2	Head Height Range mm k
4680206	M8	45	28	1.25	6	12.73-13.27	7.64-8
4680212	M8	50	28	1.25	6	12.73-13.27	7.64-8
4680228	M8	55	28	1.25	6	12.73-13.27	7.64-8
4680234	M8	60	28	1.25	6	12.73-13.27	7.64-8
8229091	M8	65	28	1.25	6	12.73-13.27	7.64-8
275052	M8	70	28	1.25	6	12.73-13.27	7.64-8
8229151	M8	75	28	1.25	6	12.73-13.27	7.64-8
4680256	M8	80	28	1.25	6	12.73-13.27	7.64-8
1247319	M8	90	28	1.25	6	12.73-13.27	7.64-8
4680284	M8	100	28	1.25	6	12.73-13.27	7.64-8
0606499	M8	110	28	1.25	6	12.73-13.27	7.64-8
0606500	M8	120	28	1.25	6	12.73-13.27	7.64-8
0606501	M8	130	28	1.25	6	12.73-13.27	7.64-8
0606502	M8	160	28	1.25	6	12.73-13.27	7.64-8
0606503	M8	180	28	1.25	6	12.73-13.27	7.64-8
0606504	M8	200	28	1.25	6	12.73-13.27	7.64-8
0606505	M10	10	32	1.5	8	15.73-16.27	9.64-10
0606506	M10	12	32	1.5	8	15.73-16.27	9.64-10
4680262	M10	16	32	1.5	8	15.73-16.27	9.64-10
4680278	M10	20	32	1.5	8	15.73-16.27	9.64-10
4680290	M10	25	32	1.5	8	15.73-16.27	9.64-10
4680313	M10	30	32	1.5	8	15.73-16.27	9.64-10
4680329	M10	35	32	1.5	8	15.73-16.27	9.64-10
529810	M10	40	32	1.5	8	15.73-16.27	9.64-10
275096	M10	45	32	1.5	8	15.73-16.27	9.64-10
529826	M10	50	32	1.5	8	15.73-16.27	9.64-10
275103	M10	55	32	1.5	8	15.73-16.27	9.64-10
529832	M10	60	32	1.5	8	15.73-16.27	9.64-10
4680335	M10	65	32	1.5	8	15.73-16.27	9.64-10
4680341	M10	70	32	1.5	8	15.73-16.27	9.64-10
1247320	M10	75	32	1.5	8	15.73-16.27	9.64-10
4680357	M10	80	32	1.5	8	15.73-16.27	9.64-10
275147	M10	90	32	1.5	8	15.73-16.27	9.64-10
275153	M10	100	32	1.5	8	15.73-16.27	9.64-10
0606508	M10	110	32	1.5	8	15.73-16.27	9.64-10
4680363	M10	120	32	1.5	8	15.73-16.27	9.64-10
0606509	M10	130	32	1.5	8	15.73-16.27	9.64-10
0606510	M10	230	32	1.5	8	15.73-16.27	9.64-10
4680385	M12	25	36	1.75	10	17.73-18.27	11.57-12
4680391	M12	30	36	1.75	10	17.73-18.27	11.57-12
0606414	M12	35	36	1.75	10	17.73-18.27	11.57-12
4680408	M12	40	36	1.75	10	17.73-18.27	11.57-12
4680414	M12	45	36	1.75	10	17.73-18.27	11.57-12
4680420	M12	50	36	1.75	10	17.73-18.27	11.57-12
275181	M12	55	36	1.75	10	17.73-18.27	11.57-12
529898	M12	60	36	1.75	10	17.73-18.27	11.57-12
275197	M12	65	36	1.75	10	17.73-18.27	11.57-12
275204	M12	70	36	1.75	10	17.73-18.27	11.57-12
1247321	M12	75	36	1.75	10	17.73-18.27	11.57-12
275226	M12	80	36	1.75	10	17.73-18.27	11.57-12

Article No.	Diameter d1	Length (mm) l	Thread Length Min b	Pitch (mm)	Key Size nom s	Head Diameter Range mm d2	Head Height Range mm k
4680436	M12	90	36	1.75	10	17.73-18.27	11.57-12
4680442	M12	100	36	1.75	10	17.73-18.27	11.57-12
0606415	M12	110	36	1.75	10	17.73-18.27	11.57-12
4680458	M12	120	36	1.75	10	17.73-18.27	11.57-12
0606416	M12	140	36	1.75	10	17.73-18.27	11.57-12
0606417	M12	150	36	1.75	10	17.73-18.27	11.57-12
0606418	M12	160	36	1.75	10	17.73-18.27	11.57-12
0606419	M12	170	36	1.75	10	17.73-18.27	11.57-12
0606420	M12	180	36	1.75	10	17.73-18.27	11.57-12
0606421	M12	200	36	1.75	10	17.73-18.27	11.57-12
0606422	M14	30	40	2	12	20.67-18.27	13.57-14
0606423	M14	35	40	2	12	20.67-21.33	13.57-14
0606424	M14	40	40	2	12	20.67-21.33	13.57-14
0606425	M14	45	40	2	12	20.67-21.33	13.57-14
0606426	M14	50	40	2	12	20.67-21.33	13.57-14
0606427	M14	60	40	2	12	20.67-21.33	13.57-14
0606429	M14	70	40	2	12	20.67-21.33	13.57-14
0606430	M14	80	40	2	12	20.67-21.33	13.57-14
0606431	M14	90	40	2	12	20.67-21.33	13.57-14
0606432	M16	25	44	2	14	23.67-21.33	15.57-16
1247322	M16	30	44	2	14	23.67-24.33	15.57-16
1247323	M16	35	44	2	14	23.67-24.33	15.57-16
4680492	M16	40	44	2	14	23.67-24.33	15.57-16
1247324	M16	45	44	2	14	23.67-24.33	15.57-16
4680515	M16	50	44	2	14	23.67-24.33	15.57-16
1247325	M16	55	44	2	14	23.67-24.33	15.57-16
275327	M16	60	44	2	14	23.67-24.33	15.57-16
1247326	M16	65	44	2	14	23.67-24.33	15.57-16
275349	M16	70	44	2	14	23.67-24.33	15.57-16
1247327	M16	75	44	2	14	23.67-24.33	15.57-16
275361	M16	80	44	2	14	23.67-24.33	15.57-16
1247328	M16	90	44	2	14	23.67-24.33	15.57-16
275383	M16	100	44	2	14	23.67-24.33	15.57-16
0606433	M16	110	44	2	14	23.67-24.33	15.57-16
4680543	M16	120	44	2	14	23.67-24.33	15.57-16
0606435	M16	130	44	2	14	23.67-24.33	15.57-16
0606436	M16	140	44	2	14	23.67-24.33	15.57-16
0606437	M16	150	44	2	14	23.67-24.33	15.57-16
0606438	M18	60	48	2.5	14	26.67-24.33	17.57-18
1247339	M20	40	52	2.5	17	29.67-27.33	19.48-20
0606439	M20	45	52	2.5	17	29.67-30.33	19.48-20
1247340	M20	50	52	2.5	17	29.67-30.33	19.48-20
0606441	M20	55	52	2.5	17	29.67-30.33	19.48-20
1247341	M20	60	52	2.5	17	29.67-30.33	19.48-20
1247342	M20	65	52	2.5	17	29.67-30.33	19.48-20
1247343	M20	70	52	2.5	17	29.67-30.33	19.48-20
1247344	M20	80	52	2.5	17	29.67-30.33	19.48-20
1247345	M20	90	52	2.5	17	29.67-30.33	19.48-20
1247346	M20	100	52	2.5	17	29.67-30.33	19.48-20
0606442	M20	110	52	2.5	17	29.67-30.33	19.48-20

Article No.	Diameter d1	Length (mm) l	Thread Length Min b	Pitch (mm)	Key Size nom s	Head Diameter Range mm d2	Head Height Range mm k
1247347	M20	120	52	2.5	17	29.67-30.33	19.48-20
1247348	M20	130	52	2.5	17	29.67-30.33	19.48-20
0606443	M20	150	52	2.5	17	29.67-30.33	19.48-20
1953233	M24	40	60	3	19	35.61-30.33	23.48-24
1953234	M24	50	60	3	19	35.61-36.39	23.48-24
1953235	M24	60	60	3	19	35.61-36.39	23.48-24
1933431	M24	70	60	3	19	35.61-36.39	23.48-24
1933432	M24	80	60	3	19	35.61-36.39	23.48-24
1953237	M24	90	60	3	19	35.61-36.39	23.48-24
1933435	M24	100	60	3	19	35.61-36.39	23.48-24
1933436	M24	110	60	3	19	35.61-36.39	23.48-24
1933437	M24	120	60	3	19	35.61-36.39	23.48-24
1933438	M24	130	60	3	19	35.61-36.39	23.48-24
1933439	M30	60	72	3.5	22	44.61-36.39	29.48-30
1933441	M30	80	72	3.5	22	44.61-45.39	29.48-30
1933442	M30	90	72	3.5	22	44.61-45.39	29.48-30
1933443	M30	100	72	3.5	22	44.61-45.39	29.48-30
1933444	M30	120	72	3.5	22	44.61-45.39	29.48-30
1933445	M30	140	72	3.5	22	44.61-45.39	29.48-30
1933446	M30	150	72	3.5	22	44.61-45.39	29.48-30