

Vented Screws

Socket Head Cap Screws



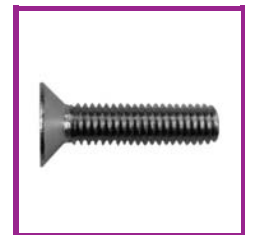
Socket Button Head Screw



Hex Head Screws



Socket Flat Head Screws



Socket Set Screws



Accessories



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Screws with Vent Holes for Applications for High an Ultra High Vacuum Systems

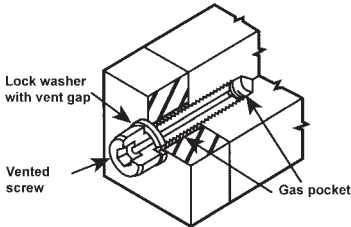


The existence of lacunas in vacuum tanks, so called "virtual leaks", can mock the existence of real leakages. This can lead to longer pump down times or non-achievement of the wished final pressure. Those "virtual leaks" are often caused by the appearance of cavities by using non-vented screws with blind tapped holes. This source of error can be avoided already during the construction and manufacturing by using vented screws.

All screws in our stock are delivered in packaging units of 25 pieces each and are usually deliverable immediately. If requested, we will be happy to provide a quotation about various screw types with or without vent hole, with metric or imperial sizes, coated or uncoated. Please add the following endings for the wished coating:

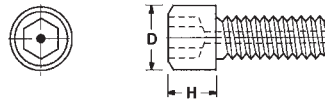
- C MoS₂-coated
- W WS₂-coated
- A Silver-plated
- K Nickel-plated
- N non-vented
- EP electropolished

All screws are made of stainless steel 1.4301/304 and are vacuum suitably cleaned and packaged. In addition to that we offer clean room suitable packaging for a surcharge. Please consider a minimum order value of 200 € when ordering screws that are not included in our stock and require a minimum delivery period of 2 to 3 weeks.

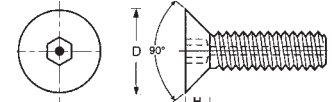


Screw Head Dimensions

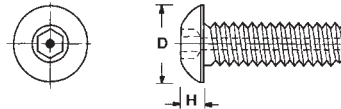
Socket head cap screw



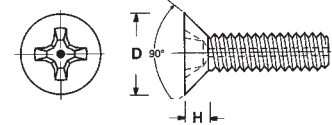
Socket flat head screw



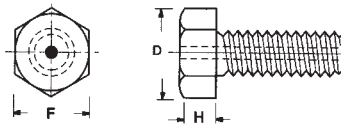
Socket button head screw



Phillips pan head screw



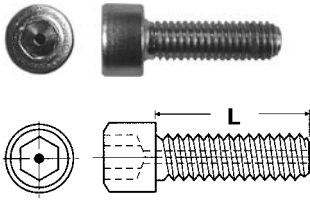
Hex head screw



Size	Socket Head Cap		Socket Button Head Screw		Hex Head Screw			Socket Flat Head Screw		Phillips Pan Head Screw	
	D	H	D	H	D	H	H	D	H	D	H
M2	3.8	2.0	-	-	-	-	-	4.0	1,2	3.8	1.2
M2.5	4.5	2.5	-	-	-	-	-	5.0	1.5	4.7	1.5
M3	5.5	3.0	5.7	1.65	6.01	5.5	2.0	6.0	1.7	5.6	1.65
M4	7.0	4.0	7.6	2.2	7.66	7.0	2.8	8.0	2.3	7.5	2.2
M5	8.5	5.0	9.5	2.75	8.79	8.0	3.5	10.0	2.8	9.2	2.5
M6	10	6.0	10.5	3.3	11.05	10.0	4.0	12.0	3.3	11.0	3.0
M8	13.0	8.0	14.0	4.4	14.38	13.0	5.5	16.0	4.4	14.5	4.0
M10	16.0	10.0	17.5	5.5	18.90	17.0	6.4	20.0	5.5	18.0	5.0
M12	18.0	12.0	-	-	21.10	19.0	7.5	24.0	6.5	22.0	6.0

Socket Head Cap Screws

With internal hexagon and vent hole, ISO 4762, DIN 912



Stocked range: packaging unit of 10 pieces

Order code	L
Size M8-1.25	
MC-825-10	25
MC-840-10	40

Order code	L
Size M10-1.5	
MC-1030-10	30

Stocked range: packaging unit of 25 pieces

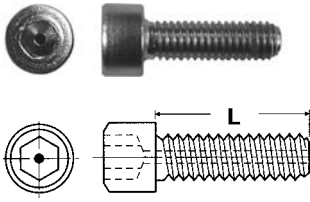
Order code	L
Size M2-0.4	
MC-204-25	4
MC-205-25	5
MC-210-25	10
Size M2.5-0.45	
MC-2.506-25	6
MC-2.508-25	8
MC-2.510-25	10
Size M3-0.5	
MC-306-25	6
MC-308-25	8
MC-310-25	10
MC-312-25	12
MC-316-25	16
MC-320-25	20

Order code	L
Size M4-0.7	
MC-406-25	6
MC-408-25	8
MC-410-25	10
MC-412-25	12
MC-416-25	16
MC-420-25	20
Size M5-0.8	
MC-508-25	8
MC-510-25	10
MC-512-25	12
MC-516-25	16
MC-520-25	20
MC-525-25	25

Order code	L
Size M6-1.0	
MC-610-25	10
MC-612-25	12
MC-616-25	16
MC-620-25	20
MC-635-25	35
Size M8-1.25	
MC-816-25	16
MC-820-25	20

Socket Head Cap Screws

With internal hexagon and vent hole, ISO 4762, DIN 912



Complete range: minimum order value 25 pieces

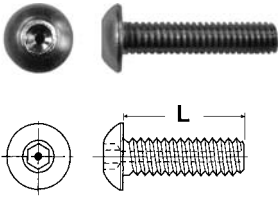
Order code	L
Size M2-0.4	
MC-204	4
MC-205	5
MC-206	6
MC-208	8
MC-210	10
Size M2.5-0.45	
MC-2.504	4
MC-2.505	5
MC-2.506	6
MC-2.508	8
MC-2.510	10
MC-2.512	12
MC-2.516	16
Size M3-0.5	
MC-304	4
MC-305	5
MC-306	6
MC-308	8
MC-310	10
MC-312	12
MC-316	16
MC-320	20
Size M4-0.7	
MC-405	5
MC-406	6
MC-408	8
MC-410	10
MC-412	12
MC-416	16
MC-420	20
MC-425	25
MC-430	30
MC-435	35

Order code	L
Size M5-0.8	
MC-506	6
MC-508	8
MC-510	10
MC-512	12
MC-516	16
MC-520	20
MC-525	25
MC-530	30
MC-535	35
MC-540	40
Size M6-1.0	
MC-608	8
MC-610	10
MC-612	12
MC-616	16
MC-620	20
MC-625	25
MC-630	30
MC-635	35
MC-640	40
MC-645	45
Size M8-1.25	
MC-810	10
MC-812	12
MC-816	16
MC-820	20
MC-825	25
MC-830	30
MC-835	35
MC-840	40
MC-845	45
MC-850	50

Order code	L
Size M10-1.5	
MC-1016	16
MC-1020	20
MC-1025	25
MC-1030	30
MC-1035	35
MC-1040	40
MC-1045	45
MC-1050	50
Size M12-1.75	
MC-1220	20
MC-1225	25
MC-1230	30
MC-1235	35
MC-1240	40
MC-1245	45
MC-1250	50
Size M16-2.0	
MC-1620	20
MC-1625	25
MC-1630	30
MC-1635	35
MC-1640	40
MC-1645	45
MC-1650	50

Socket Button Head Screw

With internal hexagon and vent hole, ISO 7380



Complete range: minimum order value 25 pieces

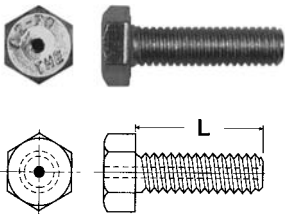
Order code	L
Size M3-0.5	
MBU-306	6
MBU-308	8
MBU-310	10
MBU-312	12
MBU-316	16
Size M4-0.7	
MBU-408	8
MBU-410	10
MBU-412	12
MBU-416	16

Order code	L
Size M5-0.8	
MBU-508	8
MBU-510	10
MBU-512	12
MBU-516	16
MBU-520	20
MBU-525	25
MBU-530	30
Size M6-1.0	
MBU-608	8
MBU-610	10
MBU-612	12
MBU-616	16
MBU-620	20
MBU-625	25
MBU-630	30

Order code	L
Size M8-1.25	
MBU-810	10
MBU-812	12
MBU-816	16
MBU-820	20
MBU-825	25
MBU-830	30
Size M10-1.5	
MBU-1016	16
MBU-1020	20
MBU-1025	25
MBU-1030	30

Hex Head Screws

With vent hole, DIN 931



Stocked range: packaging unit of 25 pieces

Order code	L
Size M6-1.0	
MH-620-25	20
MH-635-25	35

Complete range: minimum order value 25 pieces

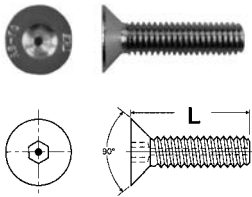
Order code	L
Size M3-0.5	
MH-305	5
MH-306	6
MH-308	8
MH-310	10
MH-312	12
Size M4-0.7	
MH-406	6
MH-408	8
MH-410	10
MH-412	12
MH-416	16
MH-420	20
MH-425	25

Order code	L
Size M5-0.8	
MH-506	6
MH-508	8
MH-510	10
MH-512	12
MH-516	16
MH-520	20
MH-525	25
MH-530	30
MH-535	35
Size M6-1.0	
MH-608	8
MH-610	10
MH-612	12
MH-616	16
MH-620	20
MH-625	25
MH-630	30
MH-635	35

Order code	L
Size M8-1.25	
MH-810	10
MH-812	12
MH-816	16
MH-820	20
MH-825	25
MH-830	30
MH-835	35

Socket Flat Head Screws

With internal hexagon and vent hole, DIN 7991



Stocked range: packaging unit of 25 pieces

Order code	L
Size M3-0.5	
MFA-308-25	8
MFA-310-25	10
MFA-312-25	12
MFA-616-25	16

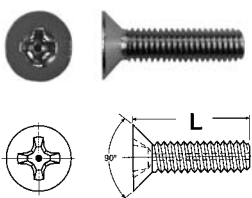
Complete range: minimum order value 25 pieces

Order code	L
Size M2.5-0.45	
MFA-2.504	4
MFA-2.505	5
MFA-2.506	6
MFA-2.508	8
Size M3-0.5	
MFA-306	6
MFA-308	8
MFA-310	10
MFA-312	12
MFA-316	16
MFA-320	20
MFA-325	25

Order code	L
Size M4-0.7	
MFA-406	6
MFA-408	8
MFA-410	10
MFA-412	12
MFA-416	16
MFA-420	20
MFA-425	25
MFA-430	30
MFA-435	35
Size M5-0.8	
MFA-508	8
MFA-510	10
MFA-512	12
MFA-516	16
MFA-520	20
MFA-525	25
MFA-530	30

Order code	L
Size M6-1.0	
MFA-608	8
MFA-610	10
MFA-612	12
MFA-616	16
MFA-620	20
MFA-625	25
MFA-630	30
MFA-635	35

Phillips pan head with vent hole, DIN 965



Complete range: minimum order value 25 pieces

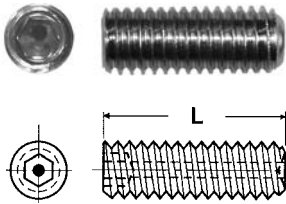
Order code	L
Size M2.5-0.45	
MF-2.504	4
MF-2.505	5
MF-2.506	6
MF-2.508	8
MF-2.510	10
Size M3-0.5	
MF-304	4
MF-305	5
MF-306	6
MF-308	8
MF-310	10
MF-312	12
MF-316	16

Order code	L
Size M4-0.7	
MF-406	6
MF-408	8
MF-410	10
MF-412	12
MF-416	16
MF-420	20
MF-425	25
MF-430	30
Size M5-0.8	
MF-506	6
MF-508	8
MF-510	10
MF-512	12
MF-516	16
MF-520	20
MF-525	25
MF-530	30

Order code	L
Size M6-1.0	
MF-610	10
MF-612	12
MF-616	16
MF-620	20
MF-625	25
MF-630	30
MF-635	35
MF-640	40

Socket Set Screws

With internal hexagon and vent hole, DIN 916



Stocked range: packaging unit of 25 pieces

Order code	L
Size M2.5-0.45	
MT-2.506-25	6
Size M3-0.5	
MT-306-25	6
MT-310-25	10

Order code	L
Size M4-0.7	
MT-406-25	6
MT-410-25	10

Order code	L
Size M6-1.0	
MT-612-25	12

Complete range: minimum order value 25 pieces

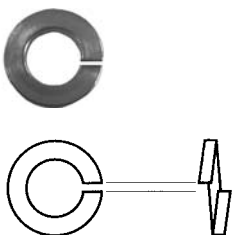
Order code	L
Size M2.5-0.45	
MT-2.504	4
MT-2.505	5
MT-2.506	6
MT-2.508	8
MT-2.510	10
Size M3-0.5	
MT-304	4
MT-305	5
MT-306	6
MT-308	8
MT-310	10
MT-312	12
MT-316	16

Order code	L
Size M4-0.7	
MT-405	5
MT-406	6
MT-408	8
MT-410	10
MT-412	12
MT-416	16
MT-420	20
MT-425	25
MT-430	30
Size M5-0.8	
MT-506	6
MT-508	8
MT-510	10
MT-512	12
MT-516	16
MT-520	20
MT-525	25
MT-530	30

Order code	L
Size M6-1.0	
MT-608	8
MT-610	10
MT-612	12
MT-616	16
MT-620	20
MT-625	25
MT-630	30

Accessories

Lock washer with vent gap



**Stocked range:
packaging unit of 25 pieces**

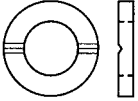
Order code	Size
MLW-02.5-25	M2.5
MLW-03-25	M3
MLW-04-25	M4
MLW-05-25	M5
MLW-06-25	M6

**Stocked range:
packaging unit of 25 pieces**

Order code	Size
MLW-02	M2
MLW-02.5	M2.5
MLW-03	M3
MLW-04	M4
MLW-05	M5
MLW-06	M6
MLW-08	M8
MLW-10	M10
MLW-12	M12

Accessories

Washers, vented



Stocked range:
packaging unit of 25 pieces

Order code	Size
MFVV-02.5-25	2.5
MFVV-03-25	3
MFVV-04-25	4
MFVV-05-25	5
MFVV-06-25	6

Stocked range:
packaging unit of 25 pieces

Order code	Size
MFVV-02	2
MFVV-02.5	2.5
MFVV-03	3
MFVV-04	4
MFVV-05	5
MFVV-06	6
MFVV-08	8
MFVV-10	10
MFVV-12	12

Washers, non-vented



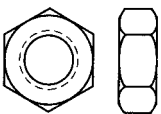
Stocked range:
packaging unit of 25 pieces

Order code	Size
MFV-02.5-25	2.5
MFV-03-25	3
MFV-04-25	4
MFV-05-25	5
MFV-06-25	6

Stocked range:
packaging unit of 25 pieces

Order code	Size
MFV-02	2
MFV-02.5	2.5
MFV-03	3
MFV-04	4
MFV-05	5
MFV-06	6
MFV-08	8
MFV-10	10
MFV-12	12

Hex nuts, non-vented



Stocked range:
packaging unit of 25 pieces

Order code	Size
MN-2.5045-25	2.5
MN-305-25	3
MN-407-25	4
MN-508-25	5
MN-610-25	6

Stocked range:
packaging unit of 25 pieces

Order code	Size
MN-2.5045	2.5
MN-204	2
MN-305	3
MN-407	4
MN-508	5
MN-610	6
MN-8125	8
MN-1015	10
MN-12175	12