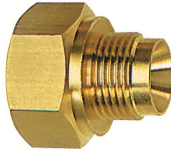


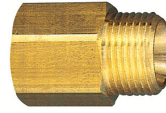
251.02

Reducing nipple, short type

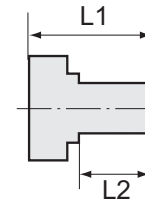
Type No.	Art. No.	Male thread	Female thread	L1 mm	L2 mm	a/f mm
290.940	108010	M14x1.5	M10x1.0	11.0	7.0	17
Art. No. 108010 = discontinued product. No longer available. New product 134469 (MS251KM1410)						
290.941	108011	M24x1.5	M16x1.5	24.0	16.0	27
251.00	111101	G 1/8	M5	11.0	7.0	14
Art. No. 111101 = discontinued product. No longer available. New product 134471 (MS251K18M5)						
251.00/S	111102	G 1/4	M5	14.0	10.0	17
Art. No. 111102 = discontinued product. No longer available. New product 134472 (MS251K14M5)						
251.01	101320	G 1/4	G 1/8	13.0	8.0	17
Art. No. 101320 = discontinued product. No longer available. New product 134441 (MS251K1418)						
251.06	111103	G 3/8	G 1/8	13.0	9.5	19
Art. No. 111103 = discontinued product. No longer available. New product 134442 (MS251K3818)						
251.02	100908	G 3/8	G 1/4	13.0	9.5	19
Art. No. 100908 = discontinued product. No longer available. New product 134443 (MS251K3814)						
251.08	111104	G 1/2	G 1/8	18.0	12.0	24
Art. No. 111104 = discontinued product. No longer available. New product 134444 (MS251K1218)						
251.07	101115	G 1/2	G 1/4	15.5	11.5	22
Art. No. 101115 = discontinued product. No longer available. New product 134445 (MS251K1214)						
251.03	100913	G 1/2	G 3/8	15.5	11.5	22
Art. No. 100913 = discontinued product. No longer available. New product 134446 (MS251K1238)						
251.19	111105	G 3/4	G 1/4	18.0	12.0	27
Art. No. 111105 = discontinued product. No longer available. New product 134447 (MS251K3414)						
251.09	111106	G 3/4	G 3/8	18.0	12.0	32
Art. No. 111106 = discontinued product. No longer available. New product 134448 (MS251K3438)						
251.04	111107	G 3/4	G 1/2	21.0	14.0	32
Art. No. 111107 = discontinued product. No longer available. New product 134449 (MS251K3412)						
251.10	111108	G 1	G 1/2	24.0	16.0	36
Art. No. 111108 = discontinued product. No longer available. New product 134450 (MS251K112)						
251.05	100918	G 1	G 3/4	18.0	12.0	36
Art. No. 100918 = discontinued product. No longer available. New product 134451 (MS251K134)						
251.20	111109	G 1 1/4	G 3/4	23.0	16.0	42
Art. No. 111109 = discontinued product. No longer available. New product 134452 (MS251K11434)						
251.11	111110	G 1 1/4	G 1	24.0	16.0	42
Art. No. 111110 = discontinued product. No longer available. New product 134453 (MS251K1141)						
251.21	111111	G 1 1/2	G 3/4	24.0	16.0	50
Art. No. 111111 = discontinued product. No longer available. New product 134455 (MS251K11234)						
251.11/1	111112	G 1 1/2	G 1	24.0	16.0	48
Art. No. 111112 = discontinued product. No longer available. New product 134456 (MS251K1121)						
251.12	100921	G 1 1/2	G 1 1/4	21.0	15.0	50
Art. No. 100921 = discontinued product. No longer available. New product 134457 (MS251K112114)						
251.12/1	111113	G 2	G 1	28.0	18.0	62
Art. No. 111113 = discontinued product. No longer available. New product 134458 (MS251K21)						
251.12/2	111114	G 2	G 1 1/4	26.5	18.0	62
Art. No. 111114 = discontinued product. No longer available. New product 134459 (MS251K2114)						
251.13	101173	G 2	G 1 1/2	30.0	20.0	65



252.10

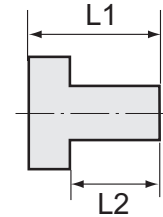


252.16



Reducing nipple. long type

Type No.	Art. No.	Male thread	Female thread	L1 mm	L2 mm	a/f mm
252.08/1	111115	M5	M5	15.0	5.0	8
Art. No. 111115 = discontinued product. No longer available. New product 134707 (MS251LM55)						
252.08/2	111116	M5	G 1/8	17.0	5.0	14
Art. No. 111116 = discontinued product. No longer available. New product 134708 (MS251LM518)						
252.08/3	111117	G 1/8	M5	17.0	7.0	14
252.11	111118	G 1/8	G 1/8	23.0	8.0	14
Art. No. 111118 = discontinued product. No longer available. New product 134680 (MS251L1818)						
252.08	111119	G 1/8	G 1/4	26.0	10.0	17
Art. No. 111119 = discontinued product. No longer available. New product 134681 (MS251L1814)						
252.12	111120	G 1/4	G 1/8	28.0	10.0	17
Art. No. 111120 = discontinued product. No longer available. New product 134682 (MS251L1418)						
252.13	111121	G 1/4	G 1/4	28.0	10.0	17
Art. No. 111121 = discontinued product. No longer available. New product 134683 (MS251L1414)						
252.09	111122	G 1/4	G 3/8	26.0	10.0	19
Art. No. 111122 = discontinued product. No longer available. New product 134684 (MS251L1438)						
252.14	111123	G 3/8	G 1/4	29.0	10.0	19
Art. No. 111123 = discontinued product. No longer available. New product 134685 (MS251L3814)						
252.15	111124	G 3/8	G 3/8	29.0	10.0	19
Art. No. 111124 = discontinued product. No longer available. New product 134686 (MS251L3838)						
252.10	111125	G 3/8	G 1/2	27.0	12.0	24
Art. No. 111125 = discontinued product. No longer available. New product 134687 (MS251L3812)						
252.16	111126	G 1/2	G 3/8	34.0	12.0	24
Art. No. 111126 = discontinued product. No longer available. New product 134688 (MS251L1238)						
252.17	111127	G 1/2	G 1/2	34.0	12.0	24
Art. No. 111127 = discontinued product. No longer available. New product 134689 (MS251L1212)						
252.18	111128	G 1/2	G 3/4	38.0	13.0	32
Art. No. 111128 = discontinued product. No longer available. New product 134690 (MS251L1234)						
252.19	111129	G 3/4	G 1	26.0	11.0	36
Art. No. 111129 = discontinued product. No longer available. New product 134693 (MS251L341)						



252.92

Hexagon socket screw plug with collar

Type No.	Art. No.	Thread	L1 mm	L2 mm	a/f mm
252.91	111130	G 1/8 hexagon socket head	11.0	8.0	5
Art. No. 111130 = discontinued product. No longer available. New product 135962 (MS290MS18)					
252.92	111131	G 1/4 hexagon socket head	13.0	10.0	6
Art. No. 111131 = discontinued product. No longer available. New product 135963 (MS290MS14)					
252.93	111132	G 3/8 hexagon socket head	15.0	12.0	8
Art. No. 111132 = discontinued product. No longer available. New product 135965 (MS290MS38)					
252.94	111133	G 1/2 hexagon socket head	18.0	14.0	10
Art. No. 111133 = discontinued product. No longer available. New product 135966 (MS290MS12)					
252.94-2	111134	G 3/4 hexagon socket head	24.0	20.0	12
Art. No. 111134 = discontinued product. No longer available. New product 135967 (MS290MS34)					
252.94-3	111135	G 1 hexagon socket head	27.0	22.0	17
Art. No. 111135 = discontinued product. No longer available. New product 135968 (MS290MS1)					



252.103

Hexagon socket screw plug without collar

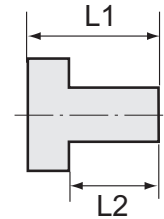
Type No.	Art. No.	Thread	L1 mm	a/f mm
290.970	108022	M8x0.75 hexagon socket head	8.0	4
290.971	108023	M10x1.0 hexagon socket head	8.0	5
290.972	108024	M12x1.5 hexagon socket head	8.0	6
Art. No. 108024 = discontinued product. No longer available. New product 135967 (MS290OBM12)				
290.973	108025	M14x1.5 hexagon socket head	10.0	7
Art. No. 108025 = discontinued product. No longer available. New product 135989 (MS290OBM14)				
252.101	111136	G 1/8 hexagon socket head	8.0	5
Art. No. 111136 = discontinued product. No longer available. New product 135990 (MS290OB18)				
252.102	111137	G 1/4 hexagon socket head	10.0	6
Art. No. 111137 = discontinued product. No longer available. New product 135991 (MS290OB14)				
252.103	111138	G 3/8 hexagon socket head	12.5	8
252.104	111139	G 1/2 hexagon socket head	14.0	10
Art. No. 111139 = discontinued product. No longer available. New product 135993 (MS290OB12)				



253.102

Hexagon socket screw plug without collar

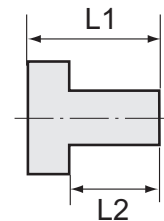
Type No.	Art. No.	Thread	L1 mm	a/f mm
253.101	111140	R 1/8 hexagon socket head	8.0	5
Art. No. 111140 = discontinued product. No longer available. New product 136004 (MS290ROB18)				
253.102	111141	R 1/4 hexagon socket head	10.0	7
Art. No. 111141 = discontinued product. No longer available. New product 136031 (MS290ROB14)				
253.103	111142	R 3/8 hexagon socket head	10.0	8
253.104	111143	R 1/2 hexagon socket head	10.0	10
Art. No. 111143 = discontinued product. No longer available. New product 136079 (MS290ROB12)				
253.105	111144	R 3/4 hexagon socket head	14.0	14
253.106	111145	R 1 hexagon socket head	12.0	17
Art. No. 111145 = discontinued product. No longer available. New product 136081 (MS290ROB01)				



252.96

Hexagon head screw plug

Type No.	Art. No.	Thread	L1 mm	L2 mm	a/f mm
252.95	111146	G 1/8 hexagon head	11.0	6.0	13
Art. No. 111146 = discontinued product. No longer available. New product 136086 (MS290SK18)					
252.96	111147	G 1/4 hexagon head	13.0	8.0	17
Art. No. 111147 = discontinued product. No longer available. New product 136087 (MS290SK14)					
MS290SK14	136087	G 1/4 hexagon head	15.0	9.0	17
252.97	111148	G 3/8 hexagon head	14.0	8.0	19
MS290SK38	136088	G 3/8 hexagon head	15.0	9.0	19
252.98	111149	G 1/2 hexagon head	16.0	10.0	24
Art. No. 111149 = discontinued product. No longer available. New product 136089 (MS290SK12)					



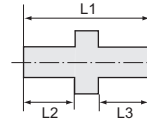
252.112

Hexagon head screw plug with collar

Type No.	Art. No.	Thread	L1 mm	L2 mm	a/f mm
252.110	111150	G 1/8 hexagon head	17.0	8.0	10
252.111	111151	G 1/4 hexagon head	21.0	12.0	13
252.112	111152	G 3/8 hexagon head	21.0	12.0	17
252.113	111153	G 1/2 hexagon head	26.0	14.0	19
252.114	111154	G 3/4 hexagon head	30.0	16.0	24
Art. No. 111154 = discontinued product. No longer available. New product 136099 (MS290SKMB34)					
252.115	111155	G 1 hexagon head	32.0	16.0	27
Art. No. 111155 = discontinued product. No longer available. New product 136100 (MS290SKMB1)					



252.05

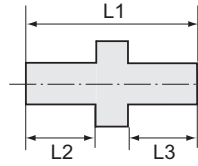


Double nipple, parallel male thread

Type No.	Art. No.	Thread 1	Thread 2	L1 mm	L2 mm	L3 mm	a/f mm
290.955	108015	M14x1.5	M14x1.5	23.0	9.0	9.0	17
Art. No. 108015 = discontinued product. No longer available. New product 134476 (MS252M1414)							
290.956	108016	M16x1.5	M16x1.5	23.0	9.0	9.0	19
290.957	108017	M24x1.5	M24x1.5	40.0	16.0	16.0	27
252 C	111156	M5	M5	13.0	5.0	5.0	7
Art. No. 111156 = discontinued product. No longer available. New product 134475 (MS252M55)							
252 D	111157	M5	G 1/8	17.0	5.0	7.0	14
252 E	111158	M5	G 1/4	21.0	7.0	9.0	17
252 A	111159	G 1/8	G 1/8	21.0	8.0	8.0	14
Art. No. 111159 = discontinued product. No longer available. New product 131744 (MS2521818)							
252 B	111160	G 1/8	G 1/4	22.0	9.0	8.0	17
Art. No. 111160 = discontinued product. No longer available. New product 131752 (MS2521814)							
252 B/1	111161	G 1/8	G 3/8	25.0	9.0	11.0	19
290.950	108012	G 1/4	M14x1.5	23.0	9.0	9.0	17
Art. No. 108012 = discontinued product. No longer available. New product 134481 (MS25214M14)							
252.01	101319	G 1/4	G 1/4	23.0	9.0	9.0	17
Art. No. 101319 = discontinued product. No longer available. New product 131756 (MS2521414)							
252.36	111162	G 1/4 ccw	G 1/4 ccw	25.0	10.0	10.0	17
252.02	111163	G 1/4	G 3/8	24.0	9.0	10.0	19
Art. No. 111163 = discontinued product. No longer available. New product 131759 (MS2521438)							
252.02/S	101228	G 1/4	G 1/2	29.0	11.0	12.0	24
Art. No. 101228 = discontinued product. No longer available. New product 131764 (MS2521412)							
290.951	108013	G 3/8	M16x1.5	23.0	9.0	9.0	19
Art. No. 108013 = discontinued product. No longer available. New Product (134482) MS25238M16							
252.03	100906	G 3/8	G 3/8	25.0	10.0	10.0	19
Art. No. 100906 = discontinued product. No longer available. New product 131765 (MS2523838)							
252.37	111164	G 3/8 ccw	G 3/8 ccw	37.0	13.5	13.5	17
Art. No. 111164 = discontinued product. No longer available. New product 134485 (MS252LH3838)							
252.04	101243	G 3/8	G 1/2	27.0	10.0	12.0	24
Art. No. 101243 = discontinued product. No longer available. New product 131791 (MS2523812)							
252.04/S	111165	G 3/8	G 3/4	36.0	12.0	16.0	32
Art. No. 111165 = discontinued product. No longer available. New product 131792 (MS2523834)							
290.952	108014	G 1/2	M24x1.5	36.0	16.0	12.0	27
252.05	100911	G 1/2	G 1/2	29.0	12.0	12.0	24
Art. No. 100911 = discontinued product. No longer available. New product 131770 (MS2521212)							
252.06	111166	G 1/2	G 3/4	33.0	12.0	12.0	32
Art. No. 111166 = discontinued product. No longer available. New product 131771 (MS2521234)							
252.06/S	111167	G 1/2	G 1	40.0	16.0	16.0	36
Art. No. 111167 = discontinued product. No longer available. New product 131772 (MS252341)							
252.07	111168	G 3/4	G 3/4	33.0	12.0	12.0	32
Art. No. 111168 = discontinued product. No longer available. New product 131773 (MS2523434)							
252.07/1	111169	G 3/4	G 1	40.0	16.0	16.0	36
Art. No. 111169 = discontinued product. No longer available. New product 131774 (MS2523838)							

Double nipple, parallel male thread

Type No.	Art. No.	Thread 1	Thread 2	L1 mm	L2 mm	L3 mm	a/f mm
252.07/2	100916	G 1	G 1	42.5	17.0	17.0	36
Art. No. 100916 = discontinued product. No longer available. New product 131775 (MS25211)							
252.07/2-1	111170	G 1	G 1 1/4	32.0	14.0	12.0	42
252.07/2-2	111171	G 1	G 1 1/2	39.0	14.5	14.5	50
Art. No. 111171 = discontinued product. No longer available. New product 131777 (MS2521112)							
252.07/2-3	111172	G 1	G 2	42.0	18.0	15.0	60
252.07/3	111173	G 1 1/4	G 1 1/4	39.0	16.0	16.0	44
Art. No. 111173 = discontinued product. No longer available. New product 131779 (MS252114114)							
252.07/3-1	111174	G 1 1/4	G 1 1/2	40.5	15.0	18.0	50
Art. No. 111174 = discontinued product. No longer available. New product 131780 (MS252114112)							
252.07/3-2	111175	G 1 1/4	G 2	43.0	16.0	18.0	60
252.07/4	100920	G 1 1/2	G 1 1/2	50.0	20.0	20.0	50
252.07/4-1	111176	G 1 1/2	G 2	44.0	18.0	20.5	60
Art. No. 111176 = discontinued product. No longer available. New product 131783 (MS2521122)							
252.07/5	101145	G 2	G 2	50.0	20.0	20.0	62
252.07/5-1	111177	G 2	G 2 1/2	44.0	24.0	19.0	77
252.07/5-2	111178	G 2	G 3	50.0	20.0	20.0	89
252.07/6	111179	G 2 1/2	G 2 1/2	59.0	24.0	24.0	77
252.07/6-1	111180	G 2 1/2	G 3	53.0	20.0	22.5	89
252.07/7	111181	G 3	G 3	60.0	24.5	24.5	89



252.303

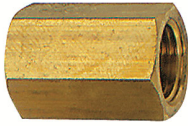
Double nipple, conical, acc. to ISO 7-1

Type No.	Art. No.	Thread 1	Thread 2	L1 mm	L2 mm	L3 mm	a/f mm
252.300	111182	R 1/8	R 1/8	21.0	8.0	8.0	10
252.300-2	111183	R 1/8	R 1/4	24.5	8.0	11.5	14
252.300-3	111184	R 1/8	R 3/8	26.0	8.0	13.0	17
252.301	111185	R 1/4	R 1/4	30.0	12.0	12.0	14
Art. No. 111185 = discontinued product. No longer available. New product 134995 (MS252R1414)							
252.301-2	111186	R 1/4	R 3/8	29.5	11.5	13.0	17
252.301-3	111187	R 1/4	R 1/2	32.5	11.5	15.5	22
252.302	100907	R 3/8	R 3/8	38.0	16.0	16.0	22
Art. No. 100907 = discontinued product. No longer available. New product 134998 (MS252R3838)							
252.302-2	111188	R 3/8	R 1/2	34.0	15.5	13.0	22
Art. No. 111188 = discontinued product. No longer available. New product 134999 (MS252R3812)							
252.302-3	111189	R 3/8	R 3/4	36.5	13.0	17.5	27
252.303	100912	R 1/2	R 1/2	38.0	16.0	16.0	27
Art. No. 100912 = discontinued product. No longer available. New product 135002 (MS252R1212)							
252.303-2	111190	R 1/2	R 3/4	39.0	17.5	15.5	27
Art. No. 111190 = discontinued product. No longer available. New product 135003 (MS252R1234)							
252.303-3	111191	R 1/2	R 1	42.5	20.0	15.5	34
252.304	111192	R 3/4	R 3/4	51.5	22.0	22.0	32
Art. No. 111192 = discontinued product. No longer available. New product 135005 (MS252R3434)							
252.304-2	111193	R 3/4	R 1	44.5	20.0	17.5	34
252.305	100917	R 1	R 1	47.0	19.5	19.5	41



252.77

Detachable double nipple, male, taper seat						
Type No.	Art. No.	Thread 1	Thread 2	L1 mm	a/f mm	a/f 1 mm
252.75	111194	R 1/8	R 1/8	27.0	15	5
Art. No. 111194 = discontinued product. No longer available. New product 136112 (MS252L1818)						
252.81	111195	R 1/8	R 1/4	30.0	15	5
Art. No. 111195 = discontinued product. No longer available. New product 136113 (MS252L1814)						
MS252L1814	136113	R 1/8	R 1/4	28,5	15	5
252.76	111196	R 1/4	R 1/4	33.5	19	6
Art. No. 111196 = discontinued product. No longer available. New product 136114 (MS252L1414)						
252.82	111197	R 1/4	R 3/8	34.5	19	6
Art. No. 111197 = discontinued product. No longer available. New product 136115 (MS252L1438)						
252.77	111198	R 3/8	R 3/8	36.5	22	8
Art. No. 111198 = discontinued product. No longer available. New product 136116 (MS252L3838)						
252.78	111199	R 1/2	R 1/2	44.0	27	12
Art. No. 111199 = discontinued product. No longer available. New product 136117 (MS252L1212)						
252.79	111200	R 3/4	R 3/4	53.0	36	14
Art. No. 111200 = discontinued product. No longer available. New product 136118 (MS252L3434)						
252.80	111201	R 1	R 1	63.5	46	19
Art. No. 111201 = discontinued product. No longer available. New product 136119 (MS252L11)						



252.22

Socket with outer hex

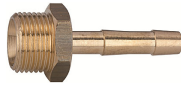
Type No.	Art. No.	Thread	L1 mm	a/f mm
252.20	111202	M5	12.0	8
Art. No. 111202 = discontinued product. No longer available. New product 136123 (MS252MUM5)				
252.21	111203	G 1/8	22.0	14
MS252MU18	136124	G 1/8	22.0	14
252.22	111204	G 1/4	26.0	17
Art. No. 111204 = discontinued product. No longer available. New product 136125 (MS252MU14)				
MS252MU14	136125	G 1/4	26.0	17
252.23	111205	G 3/8	26.0	22
MS252MU38	136126	G 3/8	26.0	22
252.24	111206	G 1/2	30.0	27
Art. No. 111206 = discontinued product. No longer available. New product 136127 (MS252MU12)				
252.24/1	111207	G 3/4	36.0	32
Art. No. 111207 = discontinued product. No longer available. New product 136128 (MS252MU34)				
252.24/2	111208	G 1	40.0	41
Art. No. 111208 = discontinued product. No longer available. New product 136129 (MS252MU1)				



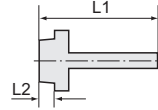
290.961

Socket with outer hex, reduced

Type No.	Art. No.	Thread 1	Thread 2	L1 mm	a/f mm
252.25	111209	G 1/8	G 1/4	26.0	17
Art. No. 111209 = discontinued product. No longer available. New product 136133 (MS252MU1814)					
252.26	111210	G 1/4	G 3/8	26.0	22
Art. No. 111210 = discontinued product. No longer available. New product 136134 (MS252MU1438)					
252.27	111211	G 3/8	G 1/2	30.0	27
Art. No. 111211 = discontinued product. No longer available. New product 136135 (MS252MU3812)					
290.960	108018	G 1/2	M14x1.5	24.0	27
290.961	108019	G 1/2	M16x1.5	24.0	27
290.962	108020	G 3/4	M14x1.5	28.0	32
290.963	108021	G 3/4	M16x1.5	28.0	32



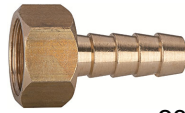
239 E


Male hose fitting with parallel male thread

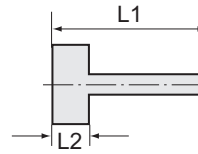
Type No.	Art. No.	Thread	For hose mm	L1 mm	L2 mm	a/f mm
239.00	111212	M5	I.D. 4	15.5	5.0	7
Art. No. 111212 = discontinued product. No longer available. New product 132498 (MS239M504)						
239.01	111213	G 1/8	I.D. 4	41.5	9.0	14
Art. No. 111213 = discontinued product. No longer available. New product 130981 (MS2391804)						
239.02	111214	G 1/8	I.D. 6	41.5	9.0	14
Art. No. 111214 = discontinued product. No longer available. New product 130984 (MS2391806)						
N239.02-1	111215	G 1/8	I.D. 8	36.0	7.0	14
239.03	111216	G 1/8	I.D. 9	48.5	10.0	17
Art. No. 111216 = discontinued product. No longer available. New product 130986 (MS2391809)						
239 A	111217	G 1/4	I.D. 4	48.5	10.0	17
Art. No. 111217 = discontinued product. No longer available. New product 130987 (MS2391404)						
239 B	111218	G 1/4	I.D. 6	48.5	10.0	17
Art. No. 111218 = discontinued product. No longer available. New product 130988 (MS2391406)						
N239 B-1	111219	G 1/4	I.D. 8	39.0	9.0	17
239 C	111220	G 1/4	I.D. 9	48.5	10.0	17
Art. No. 111220 = discontinued product. No longer available. New product 130990 (MS2391409)						
N239 C-1	111221	G 1/4	I.D. 10	39.0	9.0	17
Art. No. 111221 = discontinued product. No longer available. New product 130991 (MS2391410)						
239 C/S	111222	G 1/4	I.D. 13	48.5	10.0	19
Art. No. 111222 = discontinued product. No longer available. New product 130992 (MS2391413)						
239 D	111223	G 3/8	I.D. 4	48.5	10.0	19
Art. No. 111223 = discontinued product. No longer available. New product 130993 (MS2393804)						
239 E	111224	G 3/8	I.D. 6	48.5	10.0	19
Art. No. 111227 = discontinued product. No longer available. New product 131024 (MS2393806)						
N239 E-1	111226	G 3/8	I.D. 8	39.0	9.0	19
239.40	111225	G 3/8 ccw	I.D. 6	48.5	10.0	19
239 F	111227	G 3/8	I.D. 9	48.5	10.0	19
Art. No. 111227 = discontinued product. No longer available. New product 130997 (MS2393809)						
N239 F-1	111229	G 3/8	I.D. 10	39.0	9.0	19
Art. No. 111229 = discontinued product. No longer available. New product 130998 (MS2393810)						
239.45	111228	G 3/8 ccw	I.D. 9	48.5	10.0	19
Art. No. 111228 = discontinued product. No longer available. New product 132510 (MS239LH3809)						
239 F/S	111230	G 3/8	I.D. 13	48.5	10.0	19
Art. No. 111230 = discontinued product. No longer available. New product 130999 (MS2393813)						
239 G	111231	G 1/2	I.D. 6	48.5	10.0	24
Art. No. 111231 = discontinued product. No longer available. New product 131000 (MS2391206)						
N239 G-1	111232	G 1/2	I.D. 8	42.0	11.0	24
Art. No. 111232 = discontinued product. No longer available. New product 131001 (MS2391208)						
239 H	111233	G 1/2	I.D. 9	48.5	10.0	24
Art. No. 111233 = discontinued product. No longer available. New product 131002 (MS2391209)						
N239 H-1	111234	G 1/2	I.D. 10	42.0	11.0	24
Art. No. 111234 = discontinued product. No longer available. New product 131003 (MS2391210)						
239 J	107484	G 1/2	I.D. 13	50.0	10.0	24
Art. No. 107484 = discontinued product. No longer available. New product 131004 (MS2391213)						

Male hose fitting with parallel male thread

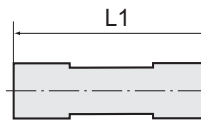
Type No.	Art. No.	Thread	For hose mm	L1 mm	L2 mm	a/f mm
243.78	107485	G 1/2	I.D. 16	58.0	10.0	20
Art. No. 107485 = discontinued product. No longer available. New product 131005 (MS2391216)						
243.79	107486	G 1/2	I.D. 19	63.0	10.0	20
Art. No. 107486 = discontinued product. No longer available. New product 131008 (MS2391219)						
239 K	111235	G 3/4	I.D. 9	50.5	11.0	27
Art. No. 111235 = discontinued product. No longer available. New product 131009 (MS2393409)						
239 M	107487	G 3/4	I.D. 13	52.0	11.0	27
Art. No. 107487 = discontinued product. No longer available. New product 131010 (MS2393413)						
239 N	107488	G 3/4	I.D. 16	42.5	10.0	32
Art. No. 107488 = discontinued product. No longer available. New product 131012 (MS2393416)						
239 P	107489	G 3/4	I.D. 19	50.5	11.0	27
Art. No. 107489 = discontinued product. No longer available. New product 131013 (MS2393419)						
N239 R	111236	G 3/4	I.D. 25	54.0	12.0	32
Art. No. 111236 = discontinued product. No longer available. New product 131014 (MS2393425)						
N239 S	111237	G 1	I.D. 19	55.0	13.0	38
Art. No. 111237 = discontinued product. No longer available. New product 131015 (MS2393419)						
239 W	111238	G 1	I.D. 25	51.5	11.0	38
Art. No. 111238 = discontinued product. No longer available. New product 131016 (MS239125)						
239 Z	111239	G 1	I.D. 32	57.0	12.0	38
Art. No. 111239 = discontinued product. No longer available. New product 131017 (MS239119)						
N239 Z-1	111240	G 1 1/4	I.D. 32	61.0	14.0	50
Art. No. 111240 = discontinued product. No longer available. New product 131018 (MS23911432)						
N239 Z-2	111241	G 1 1/4	I.D. 38	68.5	15.0	42
Art. No. 111241 = discontinued product. No longer available. New product 131019 (MS23911438)						
N239 Z-3	111242	G 1 1/2	I.D. 32	67.0	15.0	55
Art. No. 111242 = discontinued product. No longer available. New product 131020 (MS23911232)						
N239 Z-4	111243	G 1 1/2	I.D. 38	71.0	15.0	55
Art. No. 111243 = discontinued product. No longer available. New product 131083 (MS23911238)						
N239 Z-5	111244	G 1 1/2	I.D. 50	71.0	15.0	55
N239 Z-6	111245	G 2	I.D. 50	88.0	20.0	70
Art. No. 111245 = discontinued product. No longer available. New product 131023 (MS239250)						



239.19



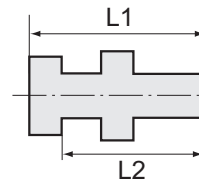
Female hose fitting with female thread						
Type No.	Art. No.	Thread	For hose mm	L1 mm	L2 mm	a/f mm
239.10	111246	G 1/8	I.D. 6	35.0	10.0	12
Art. No. 111246 = discontinued product. No longer available. New product 134817 (MS239A1806)						
239.11	111247	G 1/8	I.D. 8	35.0	10.0	12
Art. No. 111247 = discontinued product. No longer available. New product 134818 (MS239A1808)						
N239.11-1	111248	G 1/8	I.D. 9	33.5	10.5	14
239.12	111249	G 1/4	I.D. 6	36.0	11.0	15
Art. No. 111249 = discontinued product. No longer available. New product 134822 (MS239A1406)						
239.13	111250	G 1/4	I.D. 8	36.0	11.0	15
N239.13-1	111251	G 1/4	I.D. 9	35.0	12.0	17
239.14	111252	G 1/4	I.D. 10	36.0	11.0	15
Art. No. 111252 = discontinued product. No longer available. New product 134825 (MS239A1410)						
239.15	111253	G 1/4	I.D. 13	40.5	11.0	15
Art. No. 111253 = discontinued product. No longer available. New product 134827 (MS239A1413)						
239.18	111254	G 3/8	I.D. 6	36.0	11.0	19
Art. No. 111254 = discontinued product. No longer available. New product 134829 (MS239A3806)						
239.19	111255	G 3/8	I.D. 8	36.0	11.0	19
N239.19-1	111256	G 3/8	I.D. 9	36.0	13.0	19
239.20	111257	G 3/8	I.D. 10	36.0	11.0	19
Art. No. 111257 = discontinued product. No longer available. New product 134832 (MS239A3810)						
239.21	111258	G 3/8	I.D. 13	40.5	11.0	19
Art. No. 111258 = discontinued product. No longer available. New product 134834 (MS239A3813)						
239.25	111259	G 1/2	I.D. 6	39.0	14.5	23
Art. No. 111259 = discontinued product. No longer available. New product 134836 (MS239A1206)						
239.26	111260	G 1/2	I.D. 8	39.0	14.5	23
Art. No. 111260 = discontinued product. No longer available. New product 134837 (MS239A1208)						
N239.26-1	111261	G 1/2	I.D. 9	37.0	14.0	24
239.27	111262	G 1/2	I.D. 10	39.0	14.5	23
Art. No. 111262 = discontinued product. No longer available. New product 134839 (MS239A1210)						
239.28	111263	G 1/2	I.D. 13	44.0	14.5	23
Art. No. 111263 = discontinued product. No longer available. New product 134841 (MS239A1213)						
N239.28-1	111264	G 3/4	I.D. 13	39.5	16.5	30
N239.28-2	111265	G 3/4	I.D. 16	39.5	16.5	30
N239.28-3	111266	G 3/4	I.D. 19	39.5	16.5	30
Art. No. 111266 = discontinued product. No longer available. New product 134848 (MS239A3419)						
N239.29	111267	G 1	I.D. 19	42.5	19.5	38
N239.29-1	111268	G 1	I.D. 25	47.0	19.5	38
Art. No. 111268 = discontinued product. No longer available. New product 134851 (MS239A125)						



170 B

Double hose fittings

Type No.	Art. No.	For hose mm	L1 mm
170 A	111269	I.D. 6	72.0
170 B	111270	I.D. 9	72.0
170 C	111271	I.D. 13	72.0
170 D	111272	I.D. 16	72.0
170 E	111273	I.D. 19	72.0
170 F	111274	I.D. 25	72.0



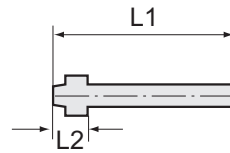
252.42

Bulkhead connectors

Type No.	Art. No.	Male thread	Female thread	L1 mm	L2 mm	a/f 1 mm	a/f 2 mm
252.40	111275	G 1/8	M5	15.0	11.5	14	14
Art. No. 111275 = discontinued product. No longer available. New product 136284 (MS23218M5)							
252.41	111276	G 1/4	G 1/8	18.0	14.0	17	17
Art. No. 111276 = discontinued product. No longer available. New product 136285 (MS2321418)							
252.42	111277	G 3/8	G 1/4	22.0	17.0	19	24
Art. No. 111277 = discontinued product. No longer available. New product 136286 (MS2323814)							
252.43	111278	G 1/2	G 3/8	27.0	21.0	24	24
Art. No. 111278 = discontinued product. No longer available. New product 136287 (MS2321238)							



236 C



Hose fitting with ball nipple

Type No.	Art. No.	For hose mm	For swivel	L1 mm	L2 mm
236.01	111279	I.D. 4	G 1/8	47.0	12.0
Art. No. 111279 = discontinued product. No longer available. New product 134835 (MS2361804)					
236.02	111280	I.D. 6	G 1/8	33.5	6.0
Art. No. 111280 = discontinued product. No longer available. New product 134842 (MS2361806)					
236 A	111281	I.D. 4	G 1/4	47.0	13.5
Art. No. 111281 = discontinued product. No longer available. New product 133997 (MS2361404)					
236 B	111282	I.D. 6	G 1/4	47.0	13.5
Art. No. 111282 = discontinued product. No longer available. New product 133998 (MS2361406)					
236 C	111283	I.D. 9	G 1/4	47.0	13.5
Art. No. 111283 = discontinued product. No longer available. New product 134003 (MS2361409)					
236 D	111284	I.D. 4	G 3/8	48.5	15.0
Art. No. 111284 = discontinued product. No longer available. New product 134006 (MS2363804)					
236 E	111285	I.D. 6	G 3/8	48.5	15.0
Art. No. 111285 = discontinued product. No longer available. New product 134895 (MS2363806)					
236 F	111286	I.D. 9	G 3/8	48.5	15.0
236 G	111287	I.D. 6	G 1/2	48.5	15.0
Art. No. 111287 = discontinued product. No longer available. New product 137522 (MS2361206)					
236 H	111288	I.D. 9	G 1/2	48.5	15.0
Art. No. 111288 = discontinued product. No longer available. New product 137523 (MS2361209)					
236 J	111289	I.D. 13	G 1/2	48.5	15.0
Art. No. 111289 = discontinued product. No longer available. New product 137524 (MS2361213)					



234 B

Hexagonal swivel nut

Type No.	Art. No.	Thread	For fitting size	L1 mm	a/f mm
234/0	111290	G 1/8	I.D. 4, I.D. 6	13.0	14
Art. No. 111290 = discontinued product. No longer available. New product 137525 (MS2341846)					
234 A	111291	G 1/4	I.D. 4, I.D. 6	15.0	17
Art. No. 111291 = discontinued product. No longer available. New product 137526 (MS2341446)					
234 A/S	111292	G 1/4	I.D. 9	15.0	17
Art. No. 111292 = discontinued product. No longer available. New product 137527 (MS2341409)					
234 B	111293	G 3/8	I.D. 4, I.D. 6, I.D. 9	15.0	19
234 C	111294	G 1/2	I.D. 6, I.D. 9	16.0	24
Art. No. 111294 = discontinued product. No longer available. New product 137529 (MS2341269)					
234 C/S	111295	G 1/2	I.D. 13	16.0	24
Art. No. 111295 = discontinued product. No longer available. New product 137530 (MS2341213)					
234 D	111296	G 1/4 ccw	I.D. 4, I.D. 6	15.0	17
Art. No. 111296 = discontinued product. No longer available. New product 137630 (MS234LH1446)					
234 E	111297	G 3/8 ccw	I.D. 4, I.D. 6, I.D. 9	15.0	19
Art. No. 111297 = discontinued product. No longer available. New product 137631 (MS234LH38469)					
234 F	111298	G 1/2 ccw	I.D. 13	20.5	24

Hexagonal lock nut

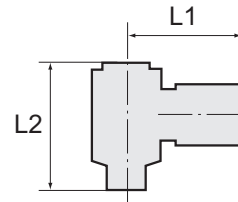
Type No.	Art. No.	Thread	L1 mm	a/f mm
252 F	111299	G 1/8	3.5	15
Art. No. 111299 = discontinued product. No longer available. New product 137599 (MS23818)				
252 G	111300	G 1/4	3.5	17
Art. No. 111300 = discontinued product. No longer available. New product 137600 (MS23814)				
252 H	111301	G 3/8	4.5	19
Art. No. 111301 = discontinued product. No longer available. New product 137601 (MS23838)				
252 J	111302	G 1/2	5.0	24
Art. No. 111302 = discontinued product. No longer available. New product 137602 (MS23812)				
252 K/1	111303	G 3/4	5.0	32
Art. No. 111303 = discontinued product. No longer available. New product 137603 (MS23834)				
252 K/2	111304	G 1	6.0	41
Art. No. 111304 = discontinued product. No longer available. New product 137604 (MS2381)				
252 I	111305	G 1 1/4	8.5	50
252 O	111306	G 1 1/2	8.5	60
Art. No. 111306 = discontinued product. No longer available. New product 137606 (MS238112)				
252 Q	111307	G 2	11.0	70
252 L	111308	M10x1.0	4.0	14
252 M	111309	M12x1.0	5.0	17
252 N	111310	M14x1.0	4.0	19
Art. No. 111310 = discontinued product. No longer available. New product 137610 (MS238M14)				
252 P	111311	M16x1.0	5.0	22
Art. No. 111311 = discontinued product. No longer available. New product 137611 (MS238M16)				
252 R	101241	M20x1.5	4.5	27
Art. No. 101241 = discontinued product. No longer available. New product 137612 (MS238M20)				
252 S	111312	M22x1.0	4.5	27
Art. No. 111312 = discontinued product. No longer available. New product 137613 (MS238M22)				
252 W	111313	M28x1.5	6.0	36
Art. No. 111313 = discontinued product. No longer available. New product 137614 (MS238M28)				



Hexagonal cap

Type No.	Art. No.	Thread	L1 mm	a/f mm
VK 201	111314	G 1/8	10.0	13
Art. No. 111314 = discontinued product. No longer available. New product 137891 (MSVK18)				
VK 202	111315	G 1/4	10.0	16
Art. No. 111315 = discontinued product. No longer available.				
VK 203	111316	G 3/8	10.0	19
Art. No. 111316 = discontinued product. No longer available.				
VK 204	111317	G 1/2	12.0	23
VK 205	111318	G 3/4	14.0	29
Art. No. 111318 = discontinued product. No longer available. New product 137895 (MSVK34)				
VK 206	111319	G 1	15.0	36
VK 207	111320	G 1 1/4	17.0	46
Art. No. 111320 = discontinued product. No longer available. New product 137897 (MSVK114)				
VK 208	111321	G 1 1/2	19.5	53
Art. No. 111321 = discontinued product. No longer available. New product 137898 (MSVK112)				
VK 209	111322	G 2	19.5	64
Art. No. 111322 = discontinued product. No longer available. New product 137899 (MSVK2)				





74-046

Ring nipple:	Brass
Banjo bolt:	Nickel-plated brass
Sealing rings:	PVC
Temperature range:	-10 °C to +70 °C
Working pressure range:	0.95 to 15 bar
Thread:	Withworth-pipe thread
Hose connectors:	detachable

Swivel hose fitting, parallel male thread

Type No.	Art. No.	Thread	For hose mm	L1 mm	L2 mm	a/f mm
74-024	111323	G 1/8	I.D. 4	26.0	28.6	14
74-026	111324	G 1/8	I.D. 6	26.0	28.6	14
74-046	111325	G 1/4	I.D. 6	28.0	30.5	17
74-049	111326	G 1/4	I.D. 9	28.0	30.5	17
74-066	111327	G 3/8	I.D. 6	30.0	31.5	22
74-069	111328	G 3/8	I.D. 9	30.0	31.5	22