

DETAIL SPECIFICATION SHEET

HOSE ASSEMBLIES, RUBBER: HYDRAULIC PRESSURE-TYPE;
TYPE 100R2, DOUBLE-WIRE BRAIDED REINFORCEMENT HOSE

This specification is approved for use by all Departments and
Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet
and MIL-DTL-52471.

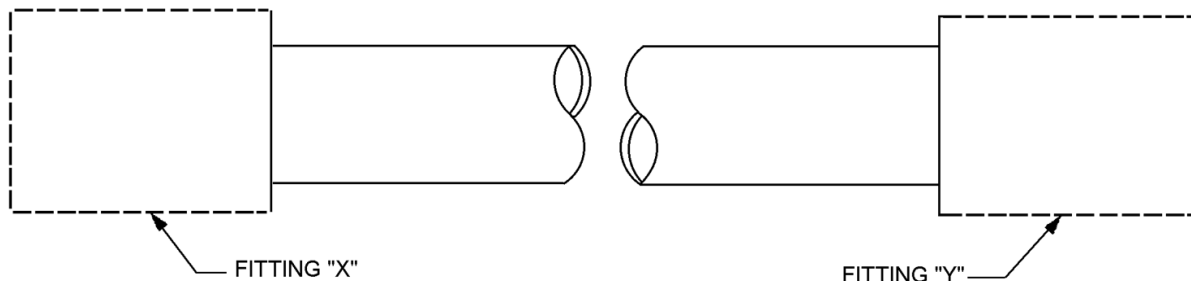


FIGURE 1. Hose assembly, fitting identification.

Operating pressure. Hose assembly shall operate at pressures shown in table I.

TABLE I. Hose assembly operating pressure. 1/ 2/

Dash number	Hose ID			Operating pressure max psi (MPa)
	inch fraction	inch fraction	mm	
-4	1/4	.250	6.35	5000 (34.5)
-6	3/8	.375	9.53	4000 (27.6)
-8	1/2	.500	12.70	3500 (24.1)
-12	3/4	.750	19.05	2250 (15.5)
-16	1	1.000	25.40	2000 (13.8)
-20	1-1/4	1.125	28.58	1625 (11.2)

1/ Dimensions are in inches.

2/ Metric equivalents are given for information only.

Hose assembly code number. The purpose of this slash sheet is to provide hose assembly code numbers for determining the hose diameter, fitting X, fitting Y, and bend angles (when applicable) as shown in tables II through VIII. The bend angles are called "style codes" and consist of hose assembly styles as explained in MIL-DTL-52471.



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TABLE II. 1/4-inch hose assemblies.

Hose ID Inch fraction Inch decimal (mm)	Hose PIN <u>1/</u>	Fitting X (figure 1)		Fitting Y (figure 1)		Assembly code number <u>3/</u>
		PIN	Bend angle <u>2/</u>	PIN	Bend angle <u>2/</u>	
1/4 .250 (6.35)	M52471/5-4	M52525/1-4-4	0°	M52525/1-4-4	0°	B001
				M52525/1-4-5		B002
				M52525/2-4-4	45°	B004
				M52525/2-4-5		B005
				M52525/3-4-4	90° <u>4/</u>	B006
				M52525/3-4-5		B007
				M52525/4-4-4	90° <u>5/</u>	B008
				M52525/4-4-5		B009
				M52525/1-4-5	0°	B010
				M52525/2-4-4	45°	B012
				M52525/2-4-5		B013
		M52525/1-4-5	0°	M52525/3-4-4	90° <u>4/</u>	B014
				M52525/3-4-5		B015
				M52525/4-4-4	90° <u>5/</u>	B016
				M52525/4-4-5		B017
				M52525/2-4-4	45°	B025
				M52525/2-4-5		B026
		M52525/2-4-4	45°	M52525/3-4-4	90° <u>4/</u>	B027
				M52525/3-4-5		B028
				M52525/4-4-4	90° <u>5/</u>	B029
				M52525/4-4-5		B030
				M52525/2-4-5	45°	B031
				M52525/3-4-4	90° <u>4/</u>	B032
		M52525/2-4-5	45°	M52525/3-4-5		B033
				M52525/4-4-4	90° <u>5/</u>	B034
				M52525/4-4-5		B035
				M52525/3-4-4	90° <u>4/</u>	B036
		M52525/3-4-4	90° <u>1/</u>	M52525/3-4-5		B037
				M52525/4-4-4	90° <u>5/</u>	B038
				M52525/4-4-5		B039
				M52525/3-4-5	90° <u>4/</u>	B040
		M52525/3-4-5	90° <u>1/</u>	M52525/4-4-4	90° <u>5/</u>	B041
				M52525/4-4-5		B042
		M52525/4-4-4	90° <u>2/</u>	M52525/4-4-4	90° <u>4/</u>	B043
				M52525/4-4-5		B044
		M52525/4-4-5	90° <u>2/</u>	M52525/4-4-5	90° <u>5/</u>	B045

1/ Part or Identifying Number (PIN).

2/ Reference MIL-DTL-52471 for hose assembly bend angles and displacement angles used in the PIN.

3/ A suffix indicating plating finish shall be specified with the assembly code number see table X.

4/ 90° short drop fitting.

5/ 90° long drop fitting.

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TABLE III. 3/8-inch hose assemblies.

Hose ID Inch fraction Inch decimal (mm)	Hose	Fitting X (see figure 1)		Fitting Y (see figure 1)		Assembly code number <u>2/</u>
	PIN	PIN	Bend angle <u>1/</u>	PIN	Bend angle <u>1/</u>	
3/8 .375 (9.53)	M52471/5-6	M52525/1-6-6	0°	M52525/1-6-6	0°	B101
				M52525/2-6-6	45°	B103
				M52525/3-6-6	90° <u>3/</u>	B105
				M52525/4-6-6	90° <u>4/</u>	B107
				M52525/2-6-6	45°	B116
		M52525/2-6-6	45°	M52525/3-6-6	90° <u>3/</u>	B118
				M52525/4-6-6	90° <u>4/</u>	B120
		M52525/3-6-6	90° <u>3/</u>	M52525/3-6-6	90° <u>3/</u>	B127
				M52525/4-6-6	90° <u>4/</u>	B129
		M52525/4-6-6	90° <u>4/</u>	M52525/4-6-6	90° <u>3/</u>	B134

1/ Reference MIL-DTL-52471 for hose assembly bend angles and displacement angles used in the PIN.

2/ A suffix indicating plating finish shall be specified with the assembly code number see table X.

3/ 90° short drop fitting.

4/ 90° long drop fitting.

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TABLE IV. 1/2-inch hose assemblies.

Hose ID Inch fraction Inch decimal (mm)	Hose	Fitting X (see figure 1)		Fitting Y (see figure 1)		Assembly code number 2/
	PIN	PIN	Bend angle 1/	PIN	Bend angle 1/	
1/2 .500 (12.70)	M52471/5-8	M52525/1-8-8	0°	M52525/1-8-8	0°	B201
				M52525/1-8-10	0°	B202
				M52525/2-8-8	45°	B203
				M52525/2-8-10	45°	B204
				M52525/3-8-8	90° <u>3/</u>	B205
				M52525/3-8-10	90° <u>3/</u>	B206
				M52525/4-8-8	90° <u>4/</u>	B207
				M52525/4-8-10	90° <u>4/</u>	B208
				M52525/10-8-8	0°	B209
				M52525/11-8-8	45°	B211
				M52525/12-8-8	90°	B212
				M52525/1-8-10	0°	B213
				M52525/2-8-8	45°	B214
		M52525/1-8-10	0°	M52525/2-8-10	45°	B215
				M52525/3-8-8	90° <u>3/</u>	B216
				M52525/3-8-10	90° <u>3/</u>	B217
	M52471/5-8	M52525/1-8-10	0°	M52525/4-8-8	90° <u>3/</u>	B218
				M52525/4-8-10	90° <u>3/</u>	B219
				M52525/10-8-8	0°	B220
				M52525/11-8-8	45°	B222
				M52525/12-8-8	90°	B223
				M52525/2-8-8	45°	B224
				M52525/2-8-10	45°	B225
				M52525/3-8-8	90° <u>4/</u>	B226
				M52525/3-8-10	90° <u>4/</u>	B227
		M52525/2-8-8	45°	M52525/4-8-8	90° <u>3/</u>	B228
				M52525/4-8-10	90° <u>3/</u>	B229
				M52525/10-8-8	0°	B230
				M52525/11-8-8	45°	B232
				M52525/2-8-10	90°	B233
				M52525/2-8-8	45°	B234
				M52525/3-8-8	90° <u>3/</u>	B235
				M52525/3-8-10	90° <u>3/</u>	B236
		M52525/2-8-10	45°	M52525/4-8-8	90° <u>4/</u>	B237
				M52525/4-8-10	90° <u>4/</u>	B238
				M52525/10-8-8	0°	B239
				M52525/11-8-8	45°	B241
				M52525/12-8-8	90°	B242
				M52525/3-8-8	90° <u>3/</u>	B243
				M52525/3-8-10	90° <u>3/</u>	B244
				M52525/4-8-8	90° <u>4/</u>	B245
		M52525/3-8-8	90° <u>1/</u>	M52525/4-8-10	90° <u>4/</u>	B246
				M52525/10-8-8	0°	B247
				M52525/11-8-8	45°	B249
				M52525/12-8-8	90°	B250
				M52525/3-8-10	90° <u>3/</u>	B251

See notes at end of table.

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TABLE IV. 1/2-inch hose assemblies - Continued.

1/2 .500 (12.70)	M52471/5-8	M52525/3-8-8	90° <u>3/</u>	M52525/4-8-8	90° <u>4/</u>	B252
		M52525/3-8-10	90° <u>4/</u>	M52525/4-8-10	90° <u>4/</u>	B253
				M52525/10-8-8	0°	B254
				M52525/11-8-8	45°	B256
				M52525/12-8-8	90°	B257
		M52525/4-8-8	90° <u>4/</u>	M52525/4-8-8	90° <u>3/</u>	B258
				M52525/4-8-10	90° <u>3/</u>	B259
				M52525/10-8-8	0°	B260
				M52525/11-8-8	45°	B262
				M52525/12-8-8	90°	B263
				M52525/4-8-10	90° <u>4/</u>	B264
		M52525/4-8-10	90° <u>3/</u>	M52525/10-8-8	0°	B265
				M52525/11-8-8	45°	B267
				M52525/12-8-8	90°	B268
				M52525/10-8-8	0°	B269
		M52525/10-8-8	0°	M52525/11-8-8	45°	B271
				M52525/12-8-8	90°	B272
		M52525/11-8-8	45°	M52525/11-8-8	45°	B276
				M52525/12-8-8	90°	B277
		M52525/12-8-8	90°	M52525/12-8-8	90°	B278

1/ Reference MIL-DTL-52471 for hose assembly bend angles and displacement angles used in the PIN.

2/ A suffix indicating plating finish shall be specified with the assembly code number see table X.

3/ 90° short drop fitting.

4/ 90° long drop fitting.

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TABLE V. 3/4-inch hose assemblies.

Hose ID Inch fraction Inch decimal (mm)	Hose	Fitting X (figure 1)		Fitting Y (see figure 1)		Assembly code number 2/	
	PIN	PIN	Bend angle 1/	PIN	Bend angle 1/		
3/4 .750 (19.05)	M52471/5-12	M52525/1-12-12	0°	M52525/1-12-12	0°	B401	
				M52525/2-12-12	45°	B403	
				M52525/3-12-12	90° 3/	B405	
				M52525/4-12-12	90° 4/	B407	
				M52525/10-12-12	0°	B409	
				M52525/11-12-12	45°	B411	
				M52525/12-12-12	90°	B413	
				M52525/2-12-12	45°	B428	
		M52525/2-12-12	45°	M52525/3-12-12	90° 3/	B430	
				M52525/4-12-12	90° 4/	B432	
				M52525/10-12-12	0°	B434	
				M52525/11-12-12	45°	B436	
		M52525/3-12-12	90° 3/	M52525/12-12-12	90°	B438	
				M52525/3-12-12	90° 3/	B451	
				M52525/4-12-12	90° 4/	B453	
				M52525/10-12-12	0°	B455	
				M52525/11-12-12	45°	B457	
				M52525/12-12-12	90°	B459	
		M52525/4-12-12	90° 4/	M52525/4-12-12	90° 3/	B470	
				M52525/10-12-12	0°	B472	
				M52525/11-12-12	45°	B474	
				M52525/12-12-12	90°	B476	
		M52471/5-12	M52525/10-12-12	0°	M52525/10-12-12	0°	B485
					M52525/11-12-12	45°	B477
			M52525/11-12-12	45°	M52525/12-12-12	90°	B478
					M52525/10-12-12	0°	B480
			M52525/12-12-12	90°	M52525/11-12-12	45°	B487
					M52525/12-12-12	90°	B489
M52525/12-12-12	90°		M52525/11-12-12	45°	B496		
			M52525/12-12-12	90°	B498		
	M52525/12-12-12	90°	M52525/12-12-12	90°	B503		

1/ Reference MIL-DTL-52471 for hose assembly bend angles and displacement angles used in the PIN.2/ A suffix indicating plating finish shall be specified with the assembly code number, see table X.3/ 90° short drop fitting.4/ 90° long drop fitting.

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TABLE VI. 1-inch hose assemblies.

ID Hose size Inch fraction Inch decimal (mm)	Hose	Fitting X (see figure 1)		Fitting Y (see figure 1)		Assembly code number <u>2/</u>
	PIN	PIN	Bend angle <u>1/</u>	PIN	Bend angle <u>1/</u>	
1 1.000 (25.40)	M52471/5-16	M52525/1-16-16	0°	M52525/1-16-16	0°	B601
				M52525/2-16-16	45°	B602
				M52525/3-16-16	90° <u>3/</u>	B603
				M52525/4-16-16	90° <u>2/</u>	B604
				M52525/10-16-16	0°	B605
				M52525/10-16-20	0°	B606
				M52525/11-16-16	45°	B607
				M52525/11-16-20	45°	B608
				M52525/12-16-16	90°	B609
				M52525/12-16-20	90°	B610
				M52525/2-16-16	45°	B615
				M52525/3-16-16	90° <u>3/</u>	B616
				M52525/4-16-16	90° <u>4/</u>	B617
				M52525/10-16-16	0°	B618
				M52525/10-16-20	0°	B619
		M52525/2-16-16	45°	M52525/11-16-16	45°	B620
				M52525/11-16-20	45°	B621
				M52525/12-16-16	90°	B622
				M52525/12-16-20	90°	B623

1/ Reference MIL-DTL-52471 for hose assembly bend angles and displacement angles used in the PIN.

2/ A suffix indicating plating finish shall be specified with the assembly code number, see table X.

3/ 90° short drop fitting.

4/ 90° long drop fitting.

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TABLE VI. 1-inch hose assemblies - Continued.

Hose ID Inch fraction Inch decimal (mm)	Hose PIN	Fitting X (see figure 1)		Fitting Y (see figure 1)		Assembly code number <u>2/</u>
		PIN	Bend angle <u>1/</u>	PIN	Bend angle <u>1/</u>	
1 1.000 (25.40)	M52471/5-16	M52525/3-16-16	90° <u>3/</u>	M52525/3-16-16	90° <u>3/</u>	B628
				M52525/4-16-16	90° <u>4/</u>	B629
				M52525/10-16-16	0°	B630
				M52525/10-16-20	0°	B631
				M52525/11-16-16	45°	B632
				M52525/11-16-20	45°	B633
				M52525/12-16-16	90°	B634
				M52525/12-16-20	90°	B635
				M52525/4-16-16	90° <u>4/</u>	B640
				M52525/10-16-16	0°	B641
				M52525/10-16-20	0°	B642
		M52525/4-16-16	90° <u>4/</u>	M52525/11-16-16	45°	B643
				M52525/11-16-20	45°	B644
				M52525/12-16-16	90°	B645
				M52525/12-16-20	90°	B646
				M52525/10-16-16	0°	B651
				M52525/10-16-20	0°	B652
		M52525/10-16-16	0°	M52525/11-16-16	45°	B653
				M52525/11-16-20	45°	B654
				M52525/12-16-16	90°	B655
				M52525/12-16-20	90°	B656
				M52525/10-16-20	0°	B661
				M52525/11-16-16	45°	B662
		M52525/10-16-20	0°	M52525/11-16-20	45°	B663
				M52525/12-16-16	90°	B664
				M52525/12-16-20	90°	B665
				M52525/11-16-16	45°	B670
		M52525/11-16-16	45°	M52525/11-16-20	45°	B671
				M52525/12-16-16	90°	B672
				M52525/12-16-20	90°	B673
				M52525/11-16-20	45°	B678
		M52525/11-16-20	45°	M52525/12-16-16	90°	B679
				M52525/12-16-20	90°	B680
		M52525/12-16-16	90°	M52525/12-16-16	90°	B685
				M52525/12-16-20	90°	B686

1/ Reference MIL-DTL-52471 for hose assembly bend angles and displacement angles used in the PIN.

2/ A suffix indicating plating finish shall be specified with the assembly code number, see table X.

3/ 90° short drop fitting.

4/ 90° long drop fitting.

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TABLE VII. 1-1/4 inch hose assemblies.

Hose ID Inch fraction Inch decimal (mm)	Hose	Fitting X (see figure 1)		Fitting Y (see figure 1)		Assembly code number 2/
	PIN	PIN	Bend angle 1/	PIN	Bend angle 1/	
1-1/4 1.125 (28.58)	M52471/5-20	M52525/1-20-20	0°	M52525/1-20-20	0°	B706
				M52525/10-20-20	0°	B707
				M52525/10-20-24	0°	B708
				M52525/11-20-20	45°	B709
				M52525/12-20-20	90°	B710
				M52525/12-20-24	90°	B711
				M52525/10-20-20	0°	B716
				M52525/10-20-24	0°	B717
		M52525/10-20-20	0°	M52525/11-20-20	45°	B718
				M52525/12-20-20	90°	B719
				M52525/12-20-24	90°	B720
				M52525/10-20-24	0°	B725
				M52525/11-20-20	45°	B726
		M52525/10-20-24	0°	M52525/12-20-20	90°	B727
				M52525/12-20-24	90°	B728
				M52525/11-20-20	45°	B733
		M52525/11-20-20	45°	M52525/12-20-20	90°	B734
				M52525/12-20-24	90°	B735
		M52525/12-20-20	90°	M52525/12-20-20	90°	B740
				M52525/12-20-24	90°	B741
		M52525/12-20-24	90°	M52525/12-20-24	90°	B746

1/ Reference MIL-DTL-52471 for hose assembly bend angles and displacement angles used in the PIN.

2/ A suffix indicating plating finish shall be specified with the assembly code number, see table X.

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TABLE VIII. 1-1/2 inch hose assemblies.

Hose ID Inch fraction Inch decimal (mm)	Hose PIN	Fitting X (figure 1)		Fitting Y (figure 1)		Assembly code number 2/
		PIN	Bend angle 1/	PIN	Bend angle 1/	
1-1/2 1.500 (38.10)	M52471/5-24	M52525/1-24-24	0°	M52525/1-24-24	0°	B801
				M52525/10-24-24	0°	B802
				M52525/10-24-32	0°	B803
				M52525/11-24-24	45°	B804
				M52525/12-24-24	90°	B805
				M52525/10-24-24	0°	B810
		M52525/10-24-24	0°	M52525/10-24-32	0°	B811
				M52525/11-24-24	45°	B812
				M52525/12-24-24	90°	B813
				M52525/10-24-32	0°	B818
		M52525/10-24-32	0°	M52525/11-24-24	45°	B819
				M52525/12-24-24	90°	B820
		M52525/11-24-24	45°	M52525/11-24-24	45°	B825
				M52525/12-24-24	90°	B826
		M52525/12-24-24	90°	M52525/12-24-24	90°	B831

1/ Reference MIL-DTL-52471 for hose assembly bend angles and displacement angles used in the PIN.

2/ A suffix indicating plating finish shall be specified with the assembly code number, see table X.

TABLE IX. 2-inch hose assemblies.

Hose ID Inch fraction Inch decimal (mm)	Hose	Fitting X (see figure 1)		Fitting Y (see figure 1)		Assembly code number 2/
	PIN	PIN	Bend angle 1/	PIN	Bend angle 1/	
2 2.000 (50.80)	M52471/5-32	M52525/1-32-32	0°	M52525/1-32-32	0°	B901
				M52525/10-32-32	0°	B902
				M52525/11-32-32	45°	B903
				M52525/12-32-32	90°	B904
				M52525/10-32-32	0°	B909
		M52525/10-32-32	0°	M52525/11-32-32	45°	B910
				M52525/12-32-32	90°	B911
		M52525/11-32-32	45°	M52525/11-32-32	45°	B916
				M52525/12-32-32	90°	B917
		M52525/12-32-32	90°	M52525/12-32-32	90°	B922

1/ Reference MIL-DTL-52471 for hose assembly bend angles and displacement angles used in the PIN.

2/ A suffix indicating material and plating finish shall be specified with the assembly code number, see table X.

Fitting materials and finishes shall be in accordance with MIL-DTL-52525, material and plating designators are specified in table X.

MIL-DTL-52471/2D
TABLE X. Material and finish identification codes. 1/ 2/

PIN code material/plating finish	Material	Plating finish
A	Aluminum alloy 6061 or 7075	Anodize in accordance with MIL-A-8625, type II.
AN		Anodize in accordance with MIL-A-8625, type II and NAVAIR trivalent chromium pretreatment (TCP) in accordance with MIL-DTL-81706, type II, class 1A. TCP Applied after anodizing.
BN		Bare aluminum with NAVAIR TCP in accordance with MIL-DTL-81706, type II, class 1A.
C	Steel <u>2/</u>	Cadmium plating in accordance with SAE-AMS-C-81562, type II, class 3 or SAE-AMS-QQ-P-416, type II, class 2. <u>1/</u> <u>5/</u> <u>8/</u>
YC	Chrome-molybdenum steel alloy 4130	Cadmium plating in accordance with SAE-AMS-C-81562, type II, class 3 or SAE-AMS-QQ-P-416, type II, class 2. <u>1/</u> <u>5/</u> <u>8/</u>
G	Steel <u>2/</u>	Zinc plating with colorless passivate in accordance with ASTM B633, type VI, Fe/Zn 8. <u>3/</u>
YG	Chrome-molybdenum steel alloy 4130	
H	Steel <u>2/</u>	Zinc phosphate finish in accordance MIL-DTL-16232, type Z, class1.
YH	Chrome-molybdenum steel alloy 4130	
J	Steel <u>2/</u>	Zinc plating with a colored chromate conversion in accordance with ASTM B633; type II, Fe/Zn 8, or ASTM B695, type II, class 8. <u>3/</u> <u>5/</u>
YJ	Chrome-molybdenum steel alloy 4130	
K	Nickel-copper alloy UNS N04400	No additional finish.
M	High-chromium nickel alloy UNS N06690	No additional finish.
N	Steel <u>2/</u>	Zinc-aluminum in accordance with ASTM F1136/F1136M, grade 3, NC. <u>4/</u>
YA	Chrome-molybdenum steel alloy 4130	
YN	Chrome-molybdenum steel alloy 4130	Zinc-nickel in accordance with SAE-AMS2417, type 2, grade B. <u>4/</u> <u>7/</u> .
P	Steel <u>2/</u>	Zinc plating with colorless passivate in accordance with ASTM B633, type V, Fe/Zn 8. <u>3/</u>
YP	Chrome-molybdenum steel alloy 4130	
S	Corrosion resistant steel	No additional finish. Passivation in accordance with SAE-AMS2700, type 6 or 7.
T	Titanium	Anodize in accordance with SAE-AMS2488, type 2. <u>6/</u> <u>9/</u>
TF		Fluoride phosphate in accordance with SAE-AMS2486. <u>6/</u> <u>9/</u>
U	Steel <u>2/</u>	Zinc-aluminum in accordance with ASTM F1136/F1136M, grade 3, NC. <u>4/</u>
V		Zinc-nickel in accordance with SAE-AMS2417, type 2, grade B. <u>4/</u> <u>7/</u>
W	Steel <u>2/</u>	Any zinc plating above. <u>3/</u> <u>5/</u>
YW	Chrome-molybdenum steel alloy 4130	
Z	Steel	Zinc plating in accordance with ASTM B695, type II, class 8. <u>3/</u> <u>5/</u>

1/ Embrittlement test need not be run.

2/ All steels except 4130.

3/ Not for use in aircraft. Requires approval from the Program Office for all applications. Zinc-plated materials should be avoided in hydraulic systems with water-glycol fluids. Reference ASTM MNL37 - Fuels and Lubricants Handbook.

4/ Hexavalent chromium free. Finish shall be RoHS compliant.

5/ These finishes have a chromate conversion coating or chromic acid rinse which includes hexavalent chromium and are not recommended.

6/ A pretreatment, a modification of the fluoride treatment, or a post treatment shall be applied so the final color of the fittings shall be similar to SAE-AMS-STD-595 colors 36076 through 36293.

7/ The zinc-nickel alloy plate shall contain 12% to 16% nickel. The coating thickness shall be 315μ inches (8μm) minimum.

8/ Cadmium shall not be used in oxygen or potable water systems. Cadmium is prohibited from use in NAVSEA-owned shipboard systems in accordance with the requirements of T9070-AL-DPC-020/077-2, unless otherwise approved by NAVSEA.

9/ Titanium shall not be used in oxygen or potable water systems.

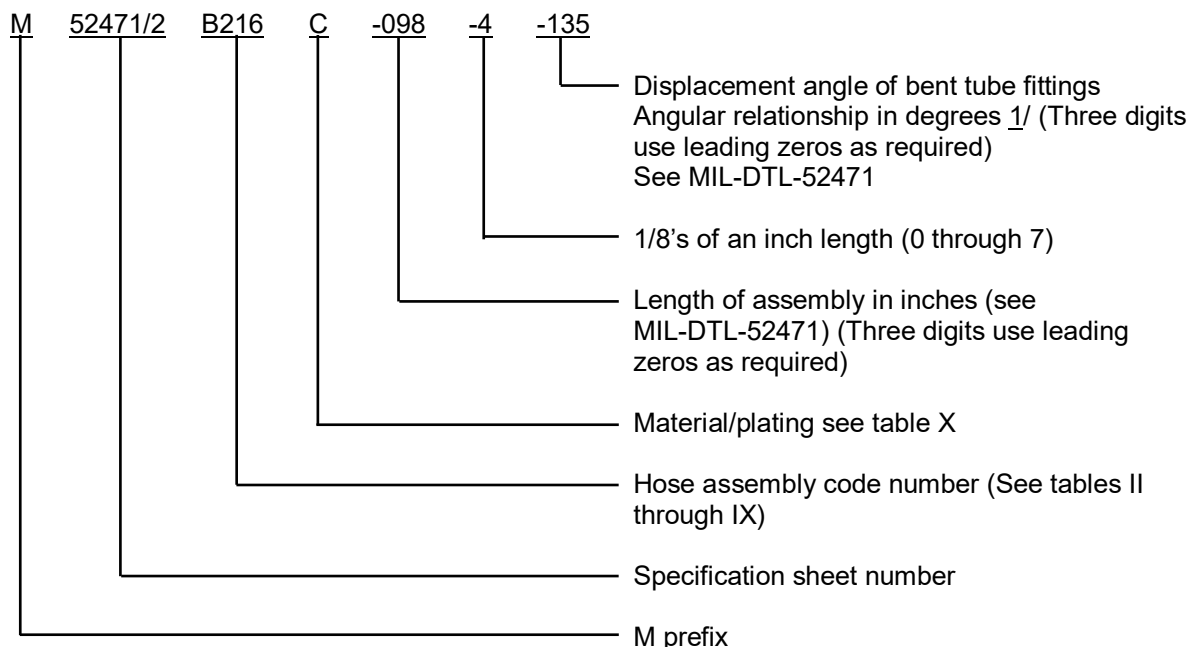
REQUIREMENTS:

The hose assemblies shall be as specified on figure 1 and in tables I through X.

Hose shall be in accordance with MIL-DTL-52471/5.

Connector fittings for hose assemblies shall be in accordance with MIL-DTL-52525.

PIN: The PIN consists of the letter "M" the specification sheet number, an assigned code number for the hose assembly, material/plating, hose assembly length, and angular relationship of fittings, when applicable.



1/ Not applicable for assemblies with straight fittings.

PIN example: M52471/2-B216C-098-4-135, describes a hose assembly consisting of M52471/4-6 hose, fitting X M52525/5-6-6, bend angle 0°, fitting Y M52525/6-6-6, bend angle 45°, steel with cadmium plating, 98 ½ inches long, and a displacement angle of 135°.

To the users of this document, it is recommended that the use of carbon steel material with cadmium plating be used only when the other materials and finishes specified in this document cannot meet performance requirements.

Cadmium is prohibited from use in NAVSEA-owned shipboard systems in accordance with the requirements of T9070-AL-DPC-020/077-2, unless otherwise approved by NAVSEA.

Class I and II ozone depleting substances (ODS) shall not be used in MIL-DTL-52471/2 or any referenced procedures.

Referenced documents shall be of the issue in effect on date of invitations for bid.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

MIL-DTL-52471/2D

Referenced documents. In addition to MIL-DTL-52471, this document references the following:

MIL-A-8625	SAE-AMS-STD-595/36081	SAE-AMS-STD-595/36270
MIL-DTL-16232	SAE-AMS-STD-595/36099	SAE-AMS-STD-595/36280
MIL-DTL-52471/5	SAE-AMS-STD-595/36118	SAE-AMS-STD-595/36293
MIL-DTL-52525	SAE-AMS-STD-595/36134	SAE-AMS-C-81562
MIL-DTL-81706	SAE-AMS-STD-595/36152	SAE-AMS-QQ-P-416
ASTM B633	SAE-AMS-STD-595/36170	SAE-AMS2417
ASTM B695	SAE-AMS-STD-595/36173	SAE-AMS2488
ASTM F1136/F1136M	SAE-AMS-STD-595/36176	SAE-AMS2486
ASTM MNL37	SAE-AMS-STD-595/36231	SAE-AMS2700
SAE-AMS-STD-595/36076	SAE-AMS-STD-595/36251	T9070-AL-DPC-020/077-2

CONCLUDING MATERIAL

Custodians:

Army - AT
Navy - SH
Air Force - 71
DLA - CC

Preparing activity:

DLA - CC

(Project 4720-2019-031)

Review activities:

Army - CR4, GL
Navy - CG, SA

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.