

DIN Fittings



Typical Application: Used in applications to adapt connections made to DIN (Deutsche Industrie Norme) specifications to male SAE 37° flare.

Sealing Method: 3-piece flareless bite type or 60° cone, or 37° flare.

Vibration Rating: Fair resistance.

Material: Carbon steel – SAE 12L14

Plating: Bodies and sleeves – Zinc and Yellow Dichromate finish.
Nuts – Phosphate coating.

Advantages: Provides an adapter to convert a metric hose assembly to 37° SAE allowing the use of standard hose and end fittings. Can also be used in the repair of metric tubing.

Assembly: See page 390 for metric preset tool.

Metric Tube O.D.	6	8	10	12	14	15	16
Light	M12x1.5	M14x1.5	M16x1.5	M18x1.5	–	M22x1.5	–
Heavy	M14x1.5	M16x1.5	M18x1.5	M20x1.5	M22x1.5	–	M24x1.5

Metric Tube O.D.	18	20	22	25	28	30
Light	M26x1.5	–	M30x2.0	–	M36x2.0	–
Heavy	–	M30x2.0	–	M36x2.0	–	M42x2.0

Metric Flareless Sleeve

TUBE O.D. (MM)	CATALOG NUMBER
6	7165x6MM
8	7165x8MM
10	7165x10MM
12	7165x12MM
14	7165x14MM
15	7165x15MM
16	7165x16MM
18	7165x18MM
20	7165x20MM
22	7165x22MM
25	7165x25MM
28	7165x28MM
30	7165x30MM
38	7165x38MM



Metric Flareless Nut Light Series (DIN 3901/3902L)



TUBE O.D. (MM)	METRIC THREAD SIZE	CATALOG NUMBER
6	M12x1.5	ML7105x6
8	M14x1.5	ML7105x8
10	M16x1.5	ML7105x10
12	M18x1.5	ML7105x12
15	M22x1.5	ML7105x15
18	M26x1.5	ML7105x18
22	M30x2.0	ML7105x22
28	M36x2.0	ML7105x28

Metric Flareless Nut Heavy Series (DIN 3901/3902S)



TUBE O.D. (MM)	METRIC THREAD SIZE	CATALOG NUMBER
6	M14x1.5	MH7105x6
8	M16x1.5	MH7105x8
10	M18x1.5	MH7105x10
12	M20x1.5	MH7105x12
14	M22x1.5	MH7105x14
16	M24x1.5	MH7105x16
20	M30x2.0	MH7105x20
25	M36x2.0	MH7105x25
30	M42x2.0	MH7105x30
38	M52x2.0	MH7105x38

NOTE: Multiply millimeters (mm) by 0.03937 to obtain inches.

Steel Fittings

Steel Flareless Ermeto® Fittings

Cap



TUBE O.D.	CATALOG NUMBER
1/4	7129x4□
3/8	7129x6□
1/2	7129x8□
5/8	7129x10□
3/4	7129x12□
1	7129x16
1-1/4	7129x20

*7141x

•7141x2

Straight Thread O-Ring Hex Head Plug

(Ref. SAE No. 090109A)



Note: Parts furnished with zinc plate.

PORT SIZE	CATALOG NUMBER
1/8	7237x2#
3/16	7237x3#
1/4	7237x4#
5/16	7237x5#
3/8	7237x6#
1/2	7237x8#
5/8	7237x10#
3/4	7237x12#
7/8	7237x14#
1	7237x16
1-1/4	7237x20
1-1/2	7237x24
2	7237x32

#Not counterbored.

Plug

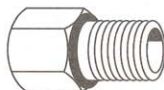
(Ref. SAE No. 080109)



TUBE O.D.	CATALOG NUMBER
1/8	7229x2
1/4	7229x4*
5/16	7229x5
3/8	7229x6*
1/2	7229x8*
5/8	7229x10
3/4	7229x12*
1	7229x16

*7241x

Male Straight Thread/ Female Straight Thread O-Ring Boss



MALE PORT SIZE	FEMALE PORT SIZE	CATALOG NUMBER
3/8	1/2	7033x8x6
1/2	5/8	7033x10x8
1/2	3/4	7033x12x8
3/4	7/8	7033x14x12
1/2	1	7033x16x8
3/4	1	7033x16x12
3/4	1-1/4	7033x20x12
1-1/4	1-1/2	7033x24x20
1-1/2	2	7033x32x24

Straight Thread O-Ring Hex Socket Plug

(Ref. SAE No. 090109B)



PORT SIZE	CATALOG NUMBER
1/8	7238x2
3/16	7238x3
1/4	7238x4
5/16	7238x5
3/8	7238x6
1/2	7238x8
5/8	7238x10
3/4	7238x12
7/8	7238x14
1	7238x16
1-1/4	7238x20

- * Stainless Steel Catalog number.
- Available in Stainless Steel.
- Available in Stainless Steel Only.

Reducer

(Ref. SAE No. 080123)



BODY SIZE T	TUBE SIZE E	CATALOG NUMBER
3/8	1/4	7015x6x4□
1/2	1/4	7015x8x4□
1/2	3/8	7015x8x6□
5/8	1/2	7015x10x8□
3/4	3/8	7015x12x6□
3/4	1/2	7015x12x8□
1	3/4	7015x16x12□
1-1/4	1	7015x20x16□

*7027x

•7027x16□

Note: Parts furnished with zinc plate.

Equipment

Assortments

MA-100 • Metric Adapter Assortment (with Cabinet)



The MA-100 is an ideal assortment to begin a metric adapter inventory. Offered are a variety of male British Standard Tapered Pipe and British Standard Parallel fittings in straight and 90° elbow configurations, sizes ranging from 1/8" through 1-1/4". Two male DIN (German metric) fittings adapt SAE fittings and hose

ends to metric size tubing, and a third DIN fitting connects SAE fittings with metric female swivel adapters, sizes ranging from 6mm through 42mm. The C5165X metric sleeves adapt metric tubing used with standard JIC fittings. The MA-100 is supplied with cabinet for accurate and easy access to your metric fittings.

Replacement Drawers:
PD-49 (one drawer)

Replacement Dividers:
PD-75 Set (25/set)

MA-100 Contents

CATALOG NUMBER	QTY.	CATALOG NUMBER	QTY.	CATALOG NUMBER	QTY.	CATALOG NUMBER	QTY.	CATALOG NUMBER	QTY.
7165X6MM	5	M9700X5X8	2	MB5515X6X4	5	MC5208X6X6	2	MH7105X6	5
7165X8MM	2	M9700X6X10	2	MB5515X6X6	5	MC5208X8X10	2	MH7105X8	5
7165X10MM	5	M9700X8X12	2	MB5515X8X6	5	MC5208X10X14	2	MH7105X10	5
7165X12MM	5	M9700X10X14	2	MB5515X8X8	5	MC5208X12X16	2	MH7105X12	5
7165X14MM	5	M9700X12X20	2	MB5515X10X12	5	MC5315X4X10	2	MH7105X14	5
7165X15MM	5	M9700X16X25	2	MB5515X12X12	5	MC5315X4X12	2	MH7105X16	5
7165X16MM	5	M9700X20X32	1	MB5515X16X16	2	MC5315X6X14	2	MH7105X20	5
7165X18MM	5	M9800X4X4	2	MB5515X20X20	2	MC5315X6X16	2	MH7105X25	5
7165X20MM	5	M9800X5X4	2	MC5205X4X2	5	MC5315X8X18	2	MH7105X30	5
7165X22MM	5	M9800X6X4	2	MC5205X4X4	5	MC5315X10X20	2	ML7105X6	5
7165X25MM	5	M9800X8X4	2	MC5205X5X4	5	MC5315X12X22	2	ML7105X8	5
7165X28MM	5	M9800X8X6	2	MC5205X6X4	5	MC5315X12X27	2	ML7105X10	5
7165X30MM	5	M9800X8X8	2	MC5205X6X6	5	MC5315X16X33	2	ML7105X12	5
M7629X10	5	M9800X10X8	2	MC5205X8X6	5	MC5315X20X42	1	ML7105X15	5
M7629X14	5	M9800X12X8	2	MC5205X8X8	5	MC5405X4X4	5	ML7105X18	5
M7629X16	5	M9800X12X12	2	MC5205X10X8	5	MC5405X5X4	5	ML7105X22	5
M7629X18	5	M9800X16X12	2	MC5205X10X12	5	MC5405X6X4	5	ML7105X28	5
M7629X20	5	M9800X16X16	2	MC5205X12X12	5	MC5405X6X6	5	C5165X4X6MM	5
M7629X22	5	M9800X20X20	1	MC5205X16X16	2	MC5405X8X6	5	C5165X5X8MM	5
M7629X27	5	MB5315X4X2	5	MC5205X20X20	2	MC5405X8X8	5	C5165X6X10MM	5
M7629X33	5	MB5315X4X4	5	MC5206X4X6	2	MC5405X10X12	5	C5165X8X12MM	5
M7629X42	5	MB5315X5X4	5	MC5206X6X8	2	MC5405X12X15	5	C5165X10X14MM	5
M9600X4X4	2	MB5315X6X4	5	MC5206X8X10	2	MC5405X16X16	2	C5165X10X15MM	5
M9600X5X4	2	MB5315X6X6	5	MC5206X8X12	2	MC5405X20X20	2	C5165X10X16MM	5
M9600X6X4	2	MB5315X8X6	5	MC5206X10X15	2	MC5515X4X12	2	C5165X12X18MM	5
M9600X6X6	2	MB5315X8X8	5	MC5206X12X18	2	MC5515X6X14	2	C5165X14X20MM	5
M9600X8X6	2	MB5315X10X12	5	MC5207X4X6	2	MC5515X6X16	2	C5165X16X25MM	5
M9600X8X8	2	MB5315X12X12	5	MC5207X6X8	2	MC5515X8X18	2	C5165X20X30MM	5
M9600X10X8	2	MB5315X16X16	2	MC5207X8X10	2	MC5515X10X20	2	C5165X20X32MM	5
M9600X12X12	2	MB5315X20X20	2	MC5207X8X12	2	MC5515X12X22	2	C-5X	1
M9600X16X16	2	MB5515X4X4	5	MC5207X10X15	2	MC5515X12X27	2	C-63X	1
M9600X20X20	1	MB5515X5X4	5	MC5207X12X18	2	MC5515X16X33	1	CL-502	1
M9700X4X6	2							TA-1002	1

Equipment

Assortments

MA-200 • Metric Hose End Assortment

(with Cabinet)



The MA-200 Hose End Assortment offers an excellent introductory stock of metric hose ends. Coverage includes 'U' Series British Standard Tapered Pipe (BSPT) and British Standard Parallel Pipe (BSPP) in male straight, and female swivel

in straight and 90° tube elbow connections, swivels, and split flange ends for Komatsu and Link Belt applications and DIN stand-pipe hose ends in light and heavy series. One FH-15X stock cabinet is supplied for storage.

MA-200 Contents

CATALOG NUMBER	QTY.	CATALOG NUMBER	QTY.	CATALOG NUMBER	QTY.	CATALOG NUMBER	QTY.	CATALOG NUMBER	QTY.
04U-14K	2	06U-76P	2	12U-162	2	16U-P66	2	MH7105X14	2
04U-154	5	08U-158	5	12U-30K	2	7165X8MM	5	MH7105X16	2
04U-354	5	08U-22K	2	12U-362	2	7165X10MM	4	MH7105X20	2
04U-38T	2	08U-358	5	12U-52T	2	7165X12MM	2	MH7105X25	2
04U-40T	2	08U-360	5	12U-55T	2	7165X14MM	2	MH7105X30	1
04U-P54	5	08U-45T	2	12U-G12	2	7165X15MM	2	ML7105X8	2
04U-74P	2	08U-46T	2	12U-G42	2	7165X16MM	2	ML7105X10	2
06U-156	5	08U-P56	2	12U-P62	2	7165X18MM	2	ML7105X12	2
06U-18K	2	08U-P58	2	12U-82P	2	7165X20MM	2	ML7105X15	2
06U-356	5	08U-78P	2	16U-166	2	7165X22MM	2	ML7105X18	2
06U-358	2	08U-80P	5	16U-33K	2	7165X25MM	2	ML7105X22	2
06U-40T	2	10U-24K	2	16U-366	2	7165X28MM	2	ML7105X28	2
06U-42T	2	10U-48T	2	16U-58T	2	7165X30MM	1	FH-15X	2
06U-44T	2	10U-50T	2	16U-60T	1	MH7105X8	2	FS-2500	1
06U-P56	2	10U-G09	2	16U-G16	2	MH7105X10	2		
06U-P58	2	10U-G69	2	16U-G46	2	MH7105X12	2		

FA-15 • Portable Coil-O-Crimp Assortment

(with Cabinet)



This portable assortment includes everything you need to service your hydraulic hose needs on the job site. Three sizes of 2 wire hose plus a variety of hose ends and adapters combined with a crimping system that requires no electrical power source makes this assortment the ultimate for

field repairs. A 15-drawer cabinet is included for storage. Also available are assortments with a cut-off saw or less the equipment.

FA-15: Includes contents listed below.

FA-15-CO: Includes contents listed below less equipment and cabinet.

FA-15-NH: Includes contents listed below less hose.

FA-15-80: Includes contents listed below plus T-80 Saw.

FA-15 Contents

CATALOG NUMBER	QTY.	CATALOG NUMBER	QTY.	CATALOG NUMBER	QTY.	CATALOG NUMBER	QTY.	CATALOG NUMBER	QTY.
04U-102	5	06U-506	5	06U-P08	5	08U-P08	5	H42508	50'
04U-104	10	06U-508	5	08U-106	5	08U-P10	5	T-465-HPU	1
04U-106	5	06U-606	10	08U-108	10	9205X2X2	5	FS-1100	1
04U-604	10	06U-608	5	08U-112	5	9205X4X4	5	FS-100	1
04U-605	5	06U-666	5	08U-508	5	9205X6X6	5		
04U-606	5	06U-668	5	08U-510	5	9205X8X8	5		
04U-B04	5	06U-755	5	08U-512	5	9405X4X4	5		
04U-J04	5	06U-756	5	08U-608	10	9405X6X6	5		
06U-104	10	06U-806	5	08U-610	5	9405X8X8	5		
06U-106	10	06U-866	5	08U-612	5	FH-15X	1		
06U-108	5	06U-J06	5	08U-688	5	H42504	50'		
06U-406	5	06U-J08	5	08U-J08	5	H42506	50'		