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CONVERSION ADAPTERS



Hy-Tech Engineers Pvt. Ltd., Is today a worldwide well-known leader in the manufacture of Hydraulic Fittings and also ISO 9001:2008, TS 16949 certified company, catering almost all leading OEM's like Machine Tool Manufacturers, Earth Moving Equipment Manufacturers, Plastic Molding Machine Manufacturers, Farming Equipment, Power Pack Manufacturers, Automobile Industries & Steel Plants along with exports in big volume to European OEM's.

Founded in 1978, by a team of dedicated technocrats, it has always grown in leaps and bounds, and has won the esteem of all the customers. In attaining this goal, the Company's objectives, of meeting the customers' increasing expectations for Quality, Delivery and Value, were never compromised

The Company is always keeping pace with the latest technological developments. It has recently introduced Multi Spindles, CNCs & SPM Machines to enhance the Quality & Productivity of its products.

The Company has over 3500 catalogue items, besides the other product range of reducing connectors, standpipe adaptors, welding nipple, pipe clamps and SAE split flanges.



HY-TECH USA INCORPORATED

Manufacturers of Hydraulic Hose Assemblies, Hydraulic Fittings & Auto Components

14501, Charter Walk Lane, Midlothian, VA 23114, Virginia, USA
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Thread Charts - JIC - SAE - Metric / International

Dash Size	2	3	4	5	6	7	8	10	12	14	16	20	24	32	40	48
Tube O.D.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	2	2 1/2	3
Hose I.D.	1/8	3/16	1/4	5/16	3/8		1/2	5/8	3/4		1	1 1/4	1 1/2	2	2 1/2	3
JIC37-Flare Thread	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18		3/4-16	7/8-14	1 1/16-12	1 1/16-12	1 1/16-12	1 3/8-12	1 7/8-12	2 1/2-12	3-12	3 1/2-12
SAE O-Ring Thread	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18		3/4-16	7/8-14	1 1/16-12	1 1/16-12	1 1/16-12	1 3/8-12	1 7/8-12	2 1/2-12		
NPTF Pipe Thread	1/8-27		1/4-18		3/8-18		1/2-14		3/4-14		1-11 1/2	1 1/4-11 1/2	1 1/2-11 1/2	2-11 1/2	2 1/2-8	3-8
NPSM Swivel Thread	1/8-27		1/4-18		3/8-18		1/2-14		3/4-14		1-11 1/2	1 1/4-11 1/2	1 1/2-11 1/2	2-11 1/2		
Flat Face Thread			9/16-18		11/16-16		13/16-16	1-14	1 1/16-12		1 1/16-12	1 1/16-12	2-12			
Code 61 Flange Head O.D.							1.19		1.50		1.75	2.00	2.38	2.81	3.31	4.00
Code 62 Flange Head O.D.							1.25		1.62		1.88	2.12	2.50	3.12		
British Thread BSPP/BSPT	1/8-28		1/4-19		3/8-19		1/2-14		3/4-14		1-11	1 1/4-11	1 1/2-11			
Copper Nylon Air																
Break Thread			7/16-24		17/32-24		11/16-20	13/16-18	1-18							
SAE 45-Flare Thread	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	11/16-24	3/4-16	7/8-14	1 1/16-14							
Inverted Flare Thread	5/16-28	3/8-24	7/16-24	1/2-20	5/8-18	11/16-18	3/4-18	7/8-18	1 1/16-16							
Compression Thread	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18	3/4-16	1-1 1/16-12	1 1/16-12	1 1/16-12	1 7/8-12	2 1/2-12					
Metric Thread	10	12	14	16	18	20	22	24	26	27	30	33	36	42	48	
	M10x1.0	M12x1.5	M14x1.5	M16x1.5	M18x1.5	M20x1.5	M22x1.5	M24x1.5	M26x1.5	M27x2.0	M30x2.0	M33x2.0	M36x2.0	M42x2.0	M48x2.0	

Parts Nomenclature

AORB : Adjustable O-ring Boss (NWO)

B : Brass

BHLN : Bulk Head Lock Nut

BSPP : British Standard Pipe Parallel (G Thread)

BSPPS : British Standard Pipe Parallel Swivel

BSPT : British Standard Pipe Taper (R Thread)

BT : Bite Type

BT : Borede Through Connector in Double Ferrule Series

BTS : Bite Type Swivel

BULN : Back-up Lock Nut (NWO)

BW : Butt Weld

C : (before number) Bite Type

C : (after number) Cap

COR : Captive O-Ring (Style DIN 3852, Form E)

CHEX : Width Across the Wrench

D : Aluminium

DKO : 24° Sealing Cone (Female Swivel) with O-Ring

E : Extra Light (Metric Fittings)

F : (before number) Flare -O

FBSPP : Female British Standard Pipe Parallel

FBSPT : Female British Standard Pipe Tapered

FBSPPS : Female British Standard Pipe Parallel Swivel

FFS : Female Face Seal

FFSS : Female Face Seal Swivel

FG : Forged Flats of the Hex

FIF : Female Inverted Flare

FJ : Female J.I.C.

FJIS : Female J.I.S.

FJS : Female J.I.C. Swivel

FK : Female Komatsu

FMS : Female Metric Swivel

FO : Flare-O

FORB : Female O-Ring Boss

FP : Female Pipe

FPS : Female Pipe Swivel

FS : Face Seal

FSAES : Female SAE Swivel, 45° Seat

H : Hollow Hex O-ring Plug

HB : Hose Barb

HP : Hollow Hex Pipe Plug

I.D. : Inside Dimension

JIC : Joint Industrial Council, 37° Flare

JIS : Japanese Industrial Standard, 30° Flare

L : Light (9605-06-L12-18)

L : Long (9002L-16-16-ORR)

LGTH : Length

LH : Large Hex

LL : Extra Long Drop

LLL : Extra Extra Long

LLLL : Extra Extra Extra Long

MAORB : Male Adjustable O-ring Boss (NWO)

MBT : Metric Bite Type

MBSPP : Male British Standard Pipe Parallel

MBSPPADJ : Male British Standard Pipe Parallel Adjustable

MBSPPAORB : Male British Standard Pipe Parallel Adjustable O-ring Boss

MBSPPAORB : Male British Standard Pipe Parallel Adjustable O-ring Boss

MBSPT : Male British Standard Pipe Tapered

MFS : Male Face Seal

MIFS : Male Inverted Flare Swivel

MJ : Male J.I.C.

MJIS : Male J.I.S.

MKOM : Male Komatsu

M.M. : Millimeters

MM : Male Metric

MMADJ : Male Metric Adjustable

MMAORB : Male Metric Adjustable O-Ring Boss use with ISO 6149

MMORR : Male Metric O-ring and Retaining Ring

MORB : Male O-ring Boss

MP : Male Pipe

MS : Metric Swivel

N : Locknut for NWO Assembly

NBR : Assembled with Nut and Bite Ring

NPSM : American (formerly National) Pipe Straight Mechanical

NPTF : American (formerly National) Pipe Taper Fuel

NWO : Nut Washer O-ring (MAORB)

O : O-ring

O.D. : Outside Dimension

ORB : O-Ring Boss

PC DOT : SAE DOT Push to Connect Fittings for Vehicle Applications

PCNY : Push to Connect Nylon Fittings

PCNB : Push to Connect Nickel Plated Brass Fittings

PL : Push Lock

PLATE MAX : Recommended Maximum Plate Thickness After Assembling the Bulkhead with the HT 9041 Locknut

P : Plug

S : Heavy (9606-04-0506-16)

S : Steel

SAE : Society of Automotive Engineering

SHP : Square Head Plug

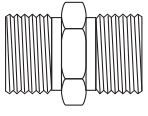
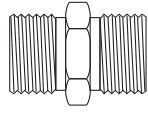
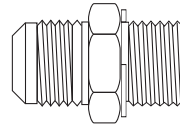
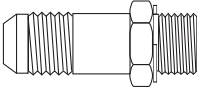
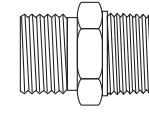
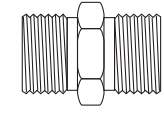
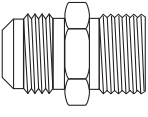
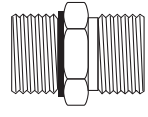
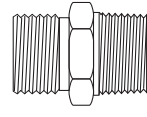
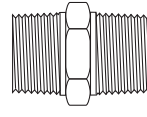
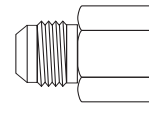
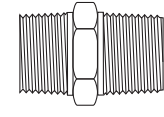
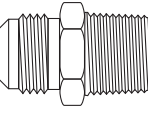
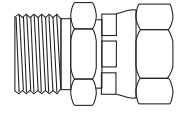
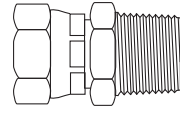
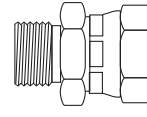
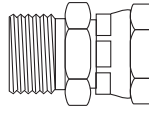
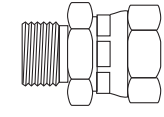
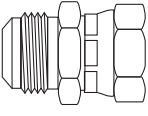
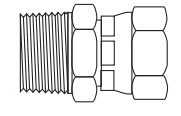
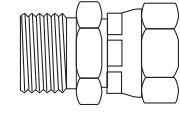
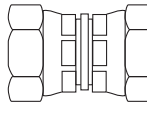
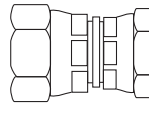
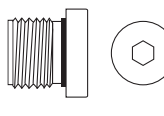
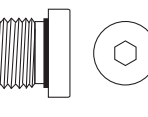
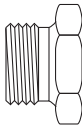
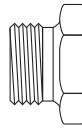
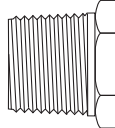
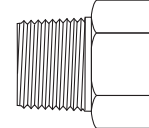
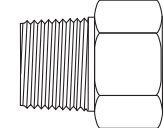
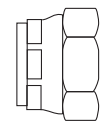
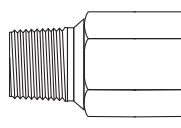
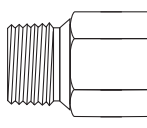
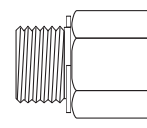
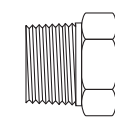
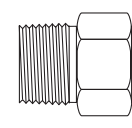
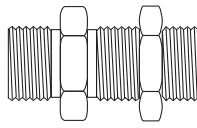
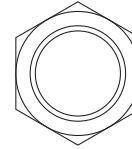
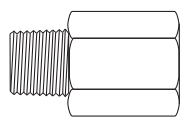
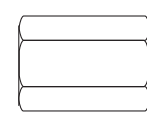
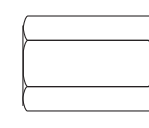
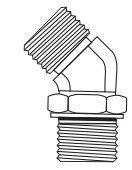
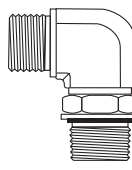

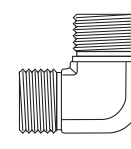
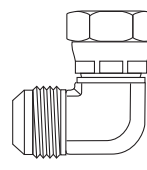
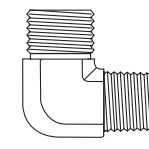
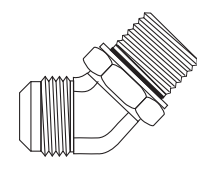
SS : Satinless Steel

TS : Tube Spud

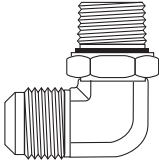
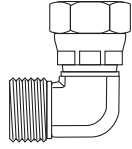
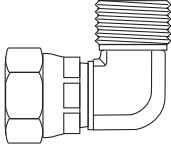
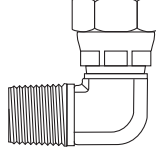
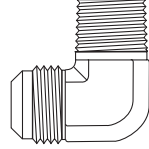
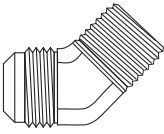
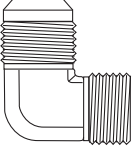
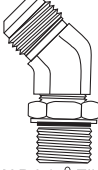
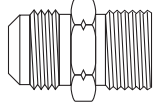
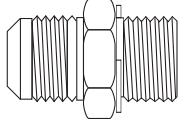
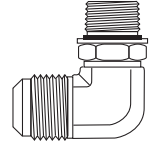
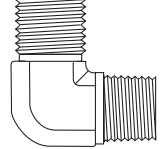
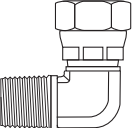
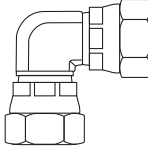
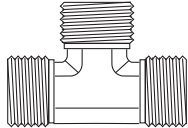
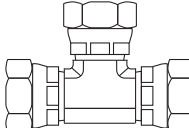
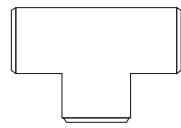
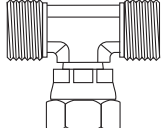
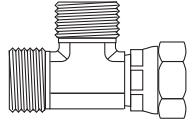
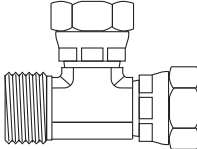
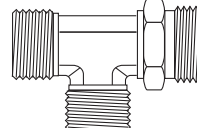
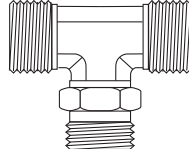
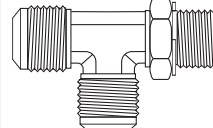
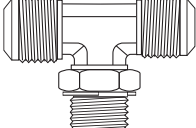
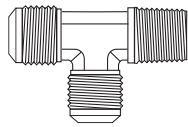
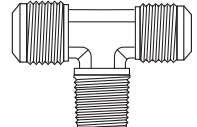
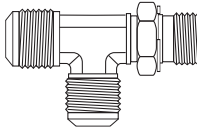
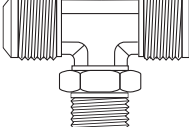
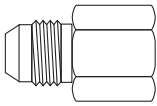
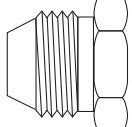
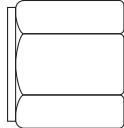
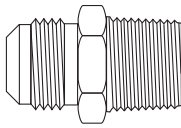
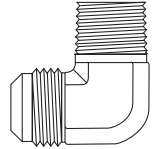
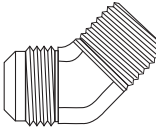
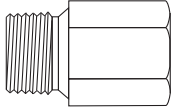
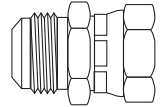
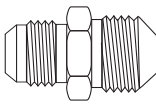
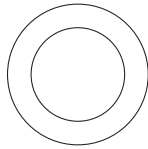
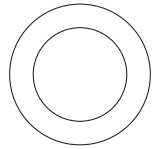
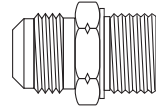
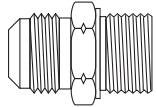
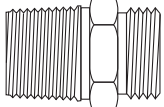
V : Versa Flare

Y FLATS : Width Across the Wrench Flats

Conversion Adapters

<p>HT-9000</p>  <p>MBSPP-MBSPP</p>	<p>HT-9001</p>  <p>MM-MM</p>	<p>HT-9002</p>  <p>MJ-MBSPPORR</p>	<p>HT-9002L</p>  <p>MJ-MBSPPORRL</p>	<p>HT-9003</p>  <p>MBSPP-MBSPT</p>	<p>HT-9004</p>  <p>MBSPP-MM</p>
<p>HT-9005</p>  <p>MJ-MBSPP</p>	<p>HT-9006</p>  <p>MORB-MBSPP</p>	<p>HT-9007</p>  <p>MBSPP-MNPTF</p>	<p>HT-9008</p>  <p>MBSPT-MNPTF</p>	<p>HT-9009</p>  <p>MJ-FBSPP</p>	<p>HT-9010</p>  <p>MBSPT-MBSPT</p>
<p>HT-9011</p>  <p>MJ-MBSPT</p>	<p>HT-9015</p>  <p>MBSPP-FBSPPS</p>	<p>HT-9017</p>  <p>FJS-MNPTF</p>	<p>HT-9018</p>  <p>MM-FBSPPS</p>	<p>HT-9019</p>  <p>MBSPP-FMS</p>	<p>HT-9021</p>  <p>MBSPP-FJS</p>
<p>HT-9022</p>  <p>MJ-FMS</p>	<p>HT-9023</p>  <p>MNPTF-FBSPPS</p>	<p>HT-9024</p>  <p>MM-FJS</p>	<p>HT-9025</p>  <p>FBSPPS-FBSPPS</p>	<p>HT-9027</p>  <p>FBSPPS-FJS</p>	<p>HT-9028</p>  <p>MBSPP Hollow Hex Plug</p>
<p>HT-9029</p>  <p>MM Hollow Hex Plug</p>	<p>HT-9030</p>  <p>MBSPP Hex Plug</p>	<p>HT-9030-M</p>  <p>Metric Plug</p>	<p>HT-9030T</p>  <p>MBSPT Plug</p>	<p>HT-9031</p>  <p>MBSPT-FBSPT Bushing</p>	<p>HT-9032</p>  <p>MBSPT-FBSPP</p>
<p>HT-9033</p>  <p>FBSPPS Cap</p>	<p>HT-9034</p>  <p>MBSPP-FBSPT</p>	<p>HT-9035</p>  <p>MBSPP-FNPTF</p>	<p>HT-9035-S</p>  <p>MBSPPORR-FNPTF</p>	<p>HT-9037</p>  <p>MNPTF-FBSPP</p>	<p>HT-9038</p>  <p>MBSPP-FBSPP</p>
<p>HT-9040</p>  <p>MBSPP-MBSPP Bulkhead</p>	<p>HT-9041</p>  <p>BSPB Bulkhead Locknut</p>	<p>HT-9042</p>  <p>MBSPT-FNPTF</p>	<p>HT-9043</p>  <p>FBSPP-FBSPP</p>	<p>HT-9043-M</p>  <p>FM-FM</p>	<p>HT-9051-NWO</p>  <p>MBSPP-MBSPPADJ 45°</p>
<p>HT-9052-NWO</p>  <p>MBSPP-MBSPPADJ 90°</p>	<p>HT-9054</p>  <p>MBSPP-MBSPT 45° Elbow</p>	<p>HT-9055</p>  <p>MBSPP-MBSPP 90° Elbow</p>	<p>HT-9056</p>  <p>MJ-MBSPPS 90°</p>	<p>HT-9057</p>  <p>MBSPP-MBSPT 90° Elbow</p>	<p>HT-9058--NWO</p>  <p>MJ-MBSPPADJ 45° Elbow</p>

Conversion Adapters

 <p>HT-9059-NWO MJ-MBSPPADJ 90° Elbow</p>	 <p>HT-9060 MBSPP-FBSPPS 90° Elbow</p>	 <p>HT-9061 MBSPP-FJS 90° Elbow</p>	 <p>HT-9062 MBSPT-FBSPPS 90° Elbow</p>	 <p>HT-9063 MJ-MBSPT 90° Elbow</p>	 <p>HT-9064 MJ-MBSPT 45° Elbow</p>
 <p>HT-9065 MJ-MBSPP 90° Elbow</p>	 <p>HT-9066-NWO MJ-MMADJ 45° Elbow</p>	 <p>HT-9067 MJ-MM Metric Port</p>	 <p>HT-9068 MJ-MMORR</p>	 <p>HT-9069-NWO MJ-MMADJ 90°</p>	 <p>HT-9070 MBSPP-MNPTF 90° Elbow</p>
 <p>HT-9072 MNPTF-FBSPPS 90° Elbow</p>	 <p>HT-9075 FBSPPS-FBSPP 90° Elbow</p>	 <p>HT-9080 MBSPP-MBSPP-MBSPP</p>	 <p>HT-9085 FBSPPS-FBSPPS-FBSPPS</p>	 <p>HT-9086 FBSPP-FBSPP-FBSPP</p>	 <p>HT-9087 MBSPP-MBSPP-FBSPPS</p>
 <p>HT-9090 MBSPP-MBSPP-FBSPPS</p>	 <p>HT-9095 MBSPP-FBSPPS-FBSPPS</p>	 <p>HT-9151-NWO MBSPP-MBSPP-MBSPPADJ</p>	 <p>HT-9152-NWO MBSPP-MBSPP-MBSPPADJ</p>	 <p>HT-9158 MJ-MJ-MBSPPADJ</p>	 <p>HT-9159 MJ-MJ-MBSPPADJ</p>
 <p>HT-9163 MJ-MJ-BSPT</p>	 <p>HT-9164 MJ-MJ-BSPT</p>	 <p>HT-9168 MJ-MJ-MMADJ</p>	 <p>HT-9169 MJ-MJ-MMADJ</p>	 <p>HT-9220 MJ-FJIS</p>	 <p>HT-9221 MJIS Plug</p>
 <p>HT-9222S FJIS Cap</p>	 <p>HT-9223 MJIS-MBSPT</p>	 <p>HT-9224 MJIS-MBSPT 90° Elbow</p>	 <p>HT-9225 MJIS-MBSPT 45° Elbow</p>	 <p>HT-9235 MM-FNPTF</p>	 <p>HT-9240 MJ-FBSPPS</p>
 <p>HT-9337 MJ-MJIS</p>	 <p>HT-9500 British Bonded Seal</p>	 <p>HT-9500MM Metric Bonded Seal</p>	 <p>HT-9605 MJ-MML (Dual Purpose)</p>	 <p>HT-9606 MJ-MMS (Dual Purpose)</p>	 <p>HT-9607 MNPTF-MML/S (Dual)</p>

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