



## Steel Fittings & Adapters



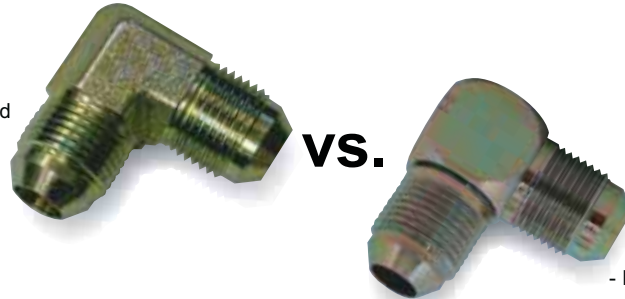


## HIGH PRESSURE HYDRAULIC ADAPTERS

NINGBO FLUID POWER stocks over 5000 configurations of Commander adapters including BSPP, BSPT, DIN, GAZ, ISO, JIC, JIS, ORB, NPTF, NPSM, ORFS, SAE, Komatsu, CAT and more...

### Forged

- Most commonly manufactured
- Easy to install
- Clean streamlined look



### Brazed

- Body style is not ideal for tight installations
- Costly manufacturing has almost eliminated the production of brazed style adapters
- Will eventually be phased out of circulation

Hydraulic Adapters

### JIC Adapters

 <b>0304</b> JIC Tube Nut	 <b>0304-C</b> JIC Cap	 <b>0306</b> Bulkhead Lock Nut	 <b>0318</b> JIC Tube Nut	 <b>0319</b> JIC Tube Sleeve	 <b>0403</b> Braze-on JIC
 <b>2404-L</b> MJ x MP Long	 <b>2404-LL</b> MJ x MP X-Long	 <b>2405</b> MJ x FP	 <b>2406</b> FJ x MJ	 <b>2408</b> JIC Plug	 <b>2500</b> MJ x MJ 90°
 <b>2504</b> MJ x MJ 45°	 <b>2505</b> MJ x FP 45°	 <b>2601</b> MJ x MP Branch Tee	 <b>2602</b> MJ x FP Branch Tee	 <b>2603</b> MJ Union Tee	 <b>2605</b> MJ x MP Run Tee
 <b>2650</b> MJ Cross	 <b>2651</b> MJ x MP Cross	 <b>2700</b> MJ Bulkhead	 <b>2701</b> MJ x MJ Bulkhead 90°	 <b>2702</b> MJ x MJ Bulkhead 45°	 <b>2703</b> MJ x MJ Bulkhead Tee
 <b>6500</b> MJ x FJ 90°	 <b>6500-L</b> MJ x FJ 90° Long	 <b>6501</b> MP x FJ 90°	 <b>6502</b> MJ x FJ 45°	 <b>6503</b> FP x FJ 90°	 <b>6504</b> MJ x FJ
 <b>6606</b> FJ Union Tee	 <b>6801</b> MJ x MORB 90°	 <b>6801-L</b> MJ x MORB 90° Long	 <b>6801-LL</b> MJ x MORB 90° X-Long	 <b>6802</b> MJ x MORB 45°	 <b>6803</b> MJ x MORB Branch Tee

www.fluidmachining.com

OFFICE: (574)-88474877

FAX: (574)-88067337

E-MAIL: sales@fluidmachining.com

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### JIC Adapters continued..

 <b>0418</b> No-Flare Tube Nut	 <b>0419</b> No-Flare Tube Sleeve	 <b>0500</b> Braze-on JIC 90°	 <b>2403</b> MJ x MJ	 <b>2403-LH</b> MJ x MJ Large Hex	 <b>2404</b> MJ x MP
 <b>2501</b> MJ x MP 90°	 <b>2501-L</b> MJ x MP 90° Long	 <b>2501-LL</b> MJ x MP 90° X-Long	 <b>2501-LLL</b> MJ x MP 90° XX-Long	 <b>2502</b> MJ x FP 90°	 <b>2503</b> MJ x MP 45°
 <b>2606</b> MJ x FP Run Tee	 <b>2607</b> MJ Run x MP Tee	 <b>2608</b> MJ x MP x FP Tee	 <b>2609</b> MJ Run x FP Tee	 <b>2610</b> MP x MJ Branch Tee	 <b>2611</b> MJ x FP x MP Tee
 <b>2704</b> MJ x MJ Bulkhead Tee	 <b>2705</b> FP x MJ Bulkhead	 <b>2706</b> MP x MJ Bulkhead	 <b>6400</b> MJ x MORB	 <b>6400-L</b> MJ x MORB Long	 <b>6402</b> MORB x FJ
 <b>6505</b> MP x FJ	 <b>6506</b> FP x FJ	 <b>6565</b> FJ x FJ	 <b>6600</b> MJ x FJ Branch Tee	 <b>6602</b> MJ x FJ Run Tee	 <b>6603</b> FJ x MJ Branch Tee
 <b>6804</b> MJ x MORB Run Tee	 <b>6809</b> MORB x FJ 90°	 <b>63UA</b> MJ x FJ 90° Bend	 <b>63UC</b> MJ x FJ 90° Long Bend	 <b>5000</b> FP x FP	 <b>5404</b> MP x MP

Hydraulic Adapters

### Pipe Adapters (NPT)

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Hydraulic Adapters

### Pipe Adapters (NPT) continued..

 <b>5405</b> MP x FP	 <b>5406</b> MP x FP Bushing	 <b>5406-C</b> NPT Cap	 <b>5406-P</b> NPT Hex Head Plug	 <b>5407</b> NPT Square Haed Plug	 <b>5409</b> NPT Countersunk Plug
 <b>5600</b> MP Union Tee	 <b>5601</b> MP x FP Branch Tee	 <b>5602</b> MP Run x FP Tee	 <b>5603</b> MP x FP Run Tee	 <b>5604</b> FP x MP Branch Tee	 <b>5605</b> FP Union Tee

### Pipe Swivel Adapters (NPSM)

 <b>6806</b> MORB x MP 90°	 <b>1404</b> MP x FNPSM	 <b>1405</b> FP x FNPSM	 <b>1501</b> MP x FNPSM 90°	 <b>1501-L</b> MP x FNPSM 90° Long	 <b>1502</b> FP x FNPSM 90°
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### SAE O-Ring Adapters (ORB)

 <b>6901</b> MORB x FNPSM 90°	 <b>6902</b> MORB x FNPSM 45°	 <b>6407</b> MORB x MORB	 <b>6408</b> ORB Hex Plug	 <b>6409</b> ORB Countersunk Plug	 <b>6410</b> MORB x FORB
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### O-Ring Face Seal Adapters

 <b>6807</b> MORB x MORB 90°	 <b>6815</b> MORB x FORB 90°	 <b>60012</b> ORB O-Ring	 <b>FF0304</b> FORFS Cap	 <b>FF0306</b> ORFS Bulkhead Nut	 <b>FF0318</b> ORFS Tube Nut
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 <b>FF2501</b> MORFS x MP 90°	 <b>FF2503</b> MORFS x MP 45°	 <b>FF2505</b> MORFS x FORFS 45°	 <b>FF2603</b> MORFS Union Tee	 <b>FF2650</b> MORFS Cross	 <b>FF2700</b> MORFS Bulkhead
 <b>FF6403</b> MORFS x MJ	 <b>FF6412</b> FORFS x MORB	 <b>FF6500</b> MORFS x FORFS 90°	 <b>FF6504</b> FORFS x MJ	 <b>FF6545</b> MORFS x MJ 45°	 <b>FF6565</b> FORFS x FORFS

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### Pipe Adapters (NPT) continued..

 <b>5500</b> MP x MP 90°	 <b>5501</b> MP x MP 45°	 <b>5502</b> MP x FP 90°	 <b>5503</b> MP x FP 45°	 <b>5504</b> FP x FP 90°	 <b>5505</b> FP x FP 45°
 <b>5652</b> FP Cross	 <b>6401</b> MORB x MP	 <b>6404</b> FORB x MP	 <b>6405</b> MORB x FP	 <b>6805</b> MORB x FP 90°	 <b>6805-L</b> MORB x FP 90° Long

### Pipe Swivel Adapters (NPSM)

 <b>1503</b> MP x FNPSM 45°	 <b>1504</b> FP x FNPSM 45°	 <b>1601</b> MP Branch x FNPSM Tee	 <b>1602</b> FP Branch x FNPSM Tee	 <b>1603</b> FNPSM Union Tee	 <b>6900</b> MORB x FNPSM
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Hydraulic Adapters

### O-Ring Face Seal Adapters (ORFS)

 <b>FF0319</b> ORFS Tube Sleeve	 <b>FF2403</b> MORFS x MORFS	 <b>FF2404</b> MORFS x MP	 <b>FF2406</b> FORFS x MORFS	 <b>FF2408</b> MORFS Hex Plug	 <b>FF2500</b> MORFS x MORFS 90°
 <b>FF2701</b> MORFS Bulkhead 90°	 <b>FF2702</b> MORFS Bulkhead 45°	 <b>FF2704</b> MORFS Bulkhead Tee	 <b>FF6400</b> MORFS x MORB	 <b>FF6400-L</b> MORFS x MORB Long	 <b>FF6402</b> MORFS x FJ
 <b>FF6590</b> MORFS x MJ 90°	 <b>FF6600</b> MORFS x FORFS Tee	 <b>FF6602</b> MORFS x FORFS Tee	 <b>FF6801</b> MORFS x MORB 90°	 <b>FF6802</b> MORFS x MORB 45°	 <b>FF6803</b> MORFS x MORB Tee

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Hydraulic Adapters

### ORFS - continued...

 <b>FF6804</b> MORFS x MORB Tee	 <b>FF6809</b> FORFS x MORB 90°	 <b>60012</b> ORFS O-Ring
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### Metric Adapters

 <b>6002</b> ORFS x MBSPP Port	 <b>6059</b> MORFS x MBSPP 90°	 <b>9000</b> MBSPP x MBSPP
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 <b>9008</b> MBSPT x MP	 <b>9010</b> MBSPT x MBSPT	 <b>9011</b> MJ x MBSPT	 <b>9015</b> MBSPP x FBSPP	 <b>9021</b> MBSPP x FJ	 <b>9022</b> MJ x FM
 <b>9030</b> BSPP Hex Plug	 <b>9030M</b> Metric Hex Plug	 <b>9030T</b> BSPT Hex Plug	 <b>9030TCSP</b> BSPT Countersunk Plug	 <b>9031</b> MBSPT x FBSPT	 <b>9032</b> MBSPT x FBSPP
 <b>9041</b> BSPP Bulkhead Nut	 <b>9042</b> MBSPT x FP	 <b>9043</b> FBSPP x FBSPP	 <b>9045</b> MBSPP x FBSPP 90°	 <b>9047</b> MBSPP x FBSPP 45°	 <b>9050</b> FBSPP x FBSPP 90°
 <b>9059</b> MJ x MBSPP Port 90°	 <b>9060</b> MBSPP x FBSPP 90°	 <b>9061</b> MBSPP x FJ 90°	 <b>9062</b> MBSPT x FBSPP 90°	 <b>9063</b> MJ x MBSPT 90°	 <b>9064</b> MJ x MBSPT 45°
 <b>9085</b> FBSPP Union Tee	 <b>9087</b> MBSPP x FBSPP Tee	 <b>9090</b> MBSPP x FBSPP Tee	 <b>9095</b> FBSPP x MBSPP Tee	 <b>9198</b> MJ x MTube 45°	 <b>9199</b> MJ x MTube 90°
 <b>9203S</b> Metric Plug (Heavy)	 <b>9204L</b> Metric Cap (Light)	 <b>9204S</b> Metric Cap (Heavy)	 <b>9210</b> MJ x FBSPP	 <b>9220</b> MJ x FJIS	 <b>9221</b> JIS Hex Plug
 <b>9240</b> MJ x FBSPP	 <b>9245</b> MJ x MJSW	 <b>9250</b> MJ x FBSPP 90° Bend	 <b>9260</b> MJ x FBSPP 45° Bend	 <b>9336</b> MJIS x MJIS	 <b>9337</b> MJIC x MJIS

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### Metric Adapters continued...

 <b>9002</b> MJ x MBSPP Port	 <b>9003</b> MBSPP x MBSPT	 <b>9004</b> MBSPP x MM	 <b>9005</b> MJ x MBSPP	 <b>9006</b> MORB x MBSPP	 <b>9007</b> MBSPP x MP
 <b>9023</b> MP x FBSPP	 <b>9024</b> MM x FJ	 <b>9025</b> FBSPP x FBSPP	 <b>9027</b> FBSPP x FJ	 <b>9028</b> BSPP Countersunk Plug	 <b>9029</b> MM Countersunk Plug
 <b>9033</b> BSPP Cap	 <b>9035</b> MBSPP x FP	 <b>9036</b> MBSPP x FORB	 <b>9037</b> MP x FBSPP	 <b>9038</b> MBSPP x FBSPP	 <b>9040</b> MBSPP Bulkhead
 <b>9051</b> MBSP Port x MBSP 45°	 <b>9052</b> MBSP Port x MBSP 90°	 <b>9054</b> MBSPP x MBSPT 45°	 <b>9055</b> MBSPP x MBSPP 90°	 <b>9057</b> MBSPP x MBSPT 90°	 <b>9058</b> MJ x MBSPP 45°
 <b>9067</b> MJ x MMP	 <b>9068</b> MJ x MMP w/O-Ring	 <b>9069</b> MJ x MMP 90°	 <b>9070</b> MBSPP x MP 90°	 <b>9075</b> FBSPP x FBSPP 90°	 <b>9080</b> BSPP Union Tee
 <b>9200</b> MJ x MTube	 <b>9201L</b> M Tube Nut (Light)	 <b>9201LL</b> M Tube Nut (X-Light)	 <b>9201S</b> M Tube Nut (Heavy)	 <b>9202</b> Metric Cutting Ring	 <b>9203L</b> Metric Plug (Light)
 <b>9222</b> JIS Hex Cap	 <b>9230</b> MJ x FKOM	 <b>9231</b> Komatsu Hex Plug	 <b>9232</b> Komatsu Hex Cap	 <b>9236</b> MKOM x MKOM	 <b>9237</b> MJ x MKOM
 <b>9605</b> MJ x MDIN-L	 <b>9606</b> MJ x MDIN-S	 <b>9999</b> JIS Sealing Seat	 <b>9500</b> BSPP Bonded Seal	 <b>9500-MM</b> Metric Bonded Seal	 <b>60014</b> Plastic Cap/Plug

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