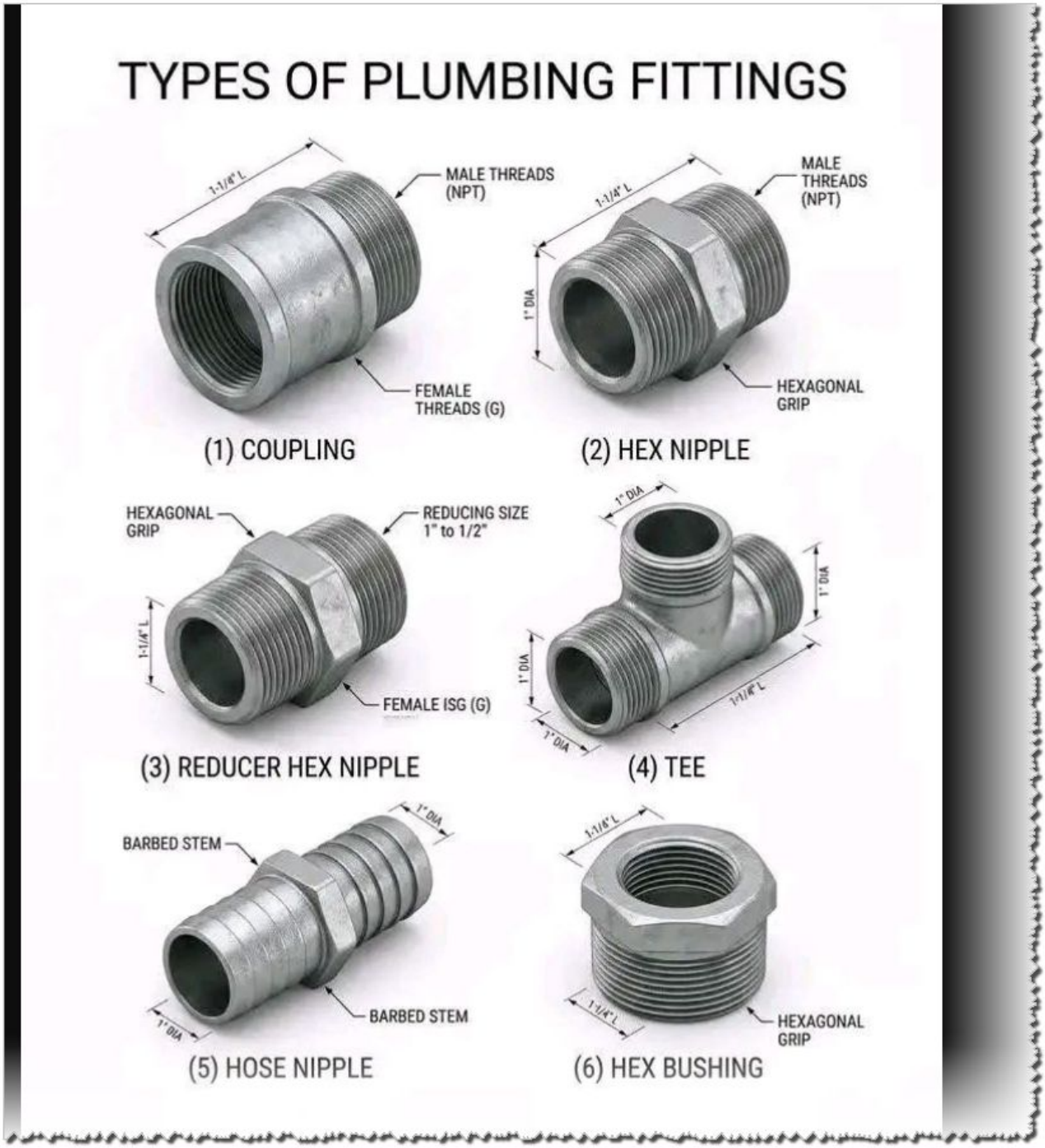
Plumbing Fittings Explained

Category: Equipment
written by www.mbsm.pro | 12 April 2026



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1. Coupling

A coupling is used to connect two pipes of the **same diameter**. It features internal (female) threads on both ends. This is the go-to fitting for extending a straight run of pipe.

2. Hex Nipple

A hex nipple has external (male) threads on both ends. The “hex” refers to the hexagonal section in the middle, which allows a wrench to grip the fitting securely during installation. It is used to connect two female-threaded fittings or valves.

3. Reducer Hex Nipple

Similar to a standard hex nipple, but the two threaded ends are **different sizes** (e.g., transitioning from a 1″ pipe to a 1/2″ pipe). This allows you to join components of unequal diameters.

4. Tee

A T-shaped fitting with three openings. It is used to split a single line into two separate branches or to combine two lines into one. In the image, this specific tee features male threads on all three ends.

5. Hose Nipple (Barb Fitting)

This fitting is designed to connect a flexible hose to a threaded pipe system.

- **Barbed Stems:** These slide into the hose, and the ridges grip the interior to prevent it from slipping off.
- **Hex Grip:** Used to tighten the fitting into a threaded port.

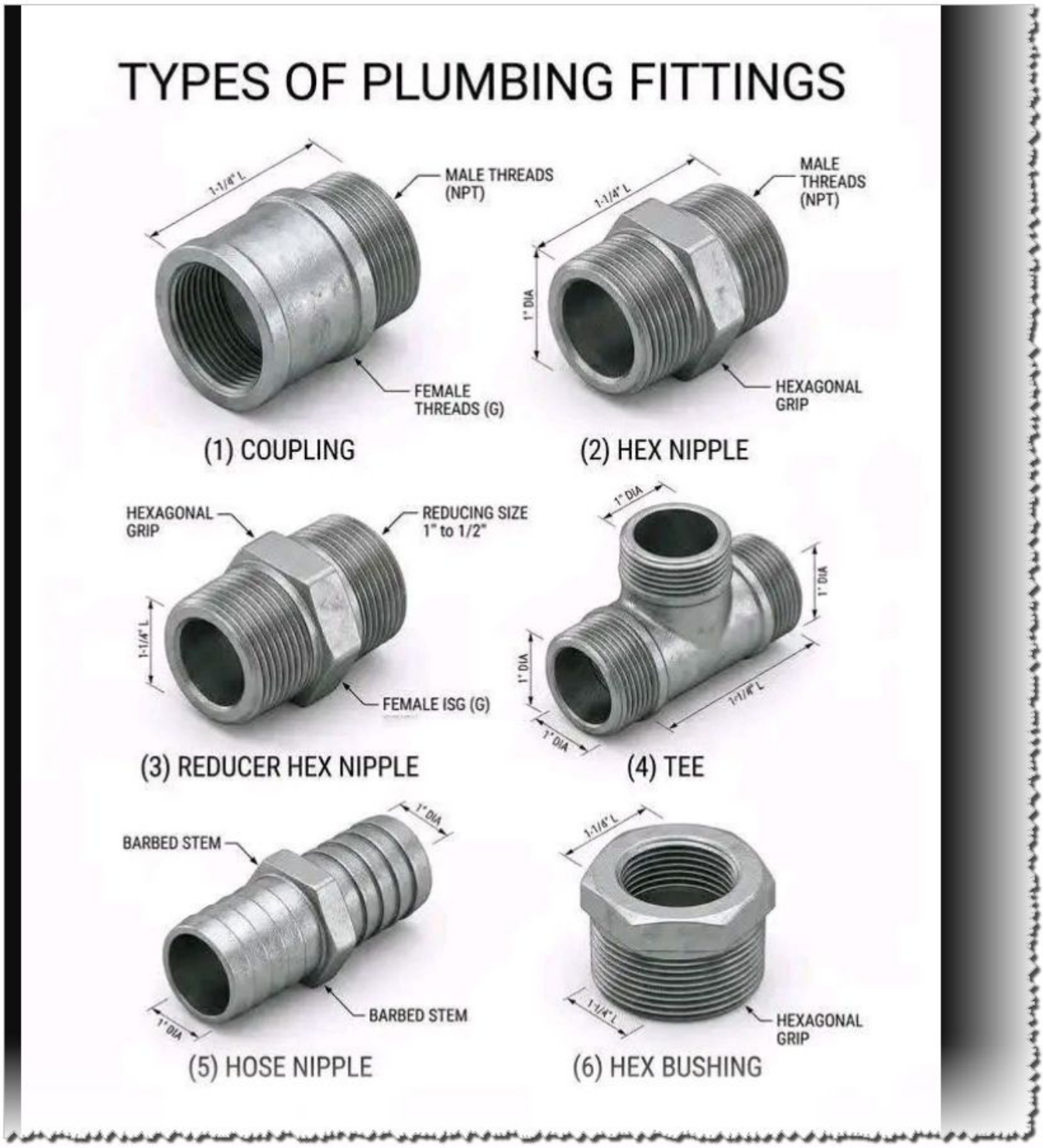
6. Hex Bushing

A bushing is used to **reduce the size** of a female threaded opening. It has male threads on the outside and female threads on the inside. You would screw this into a larger port so that a smaller pipe or fitting can be attached to it.

Key Technical Note: Thread Types

The image mentions two common thread standards:

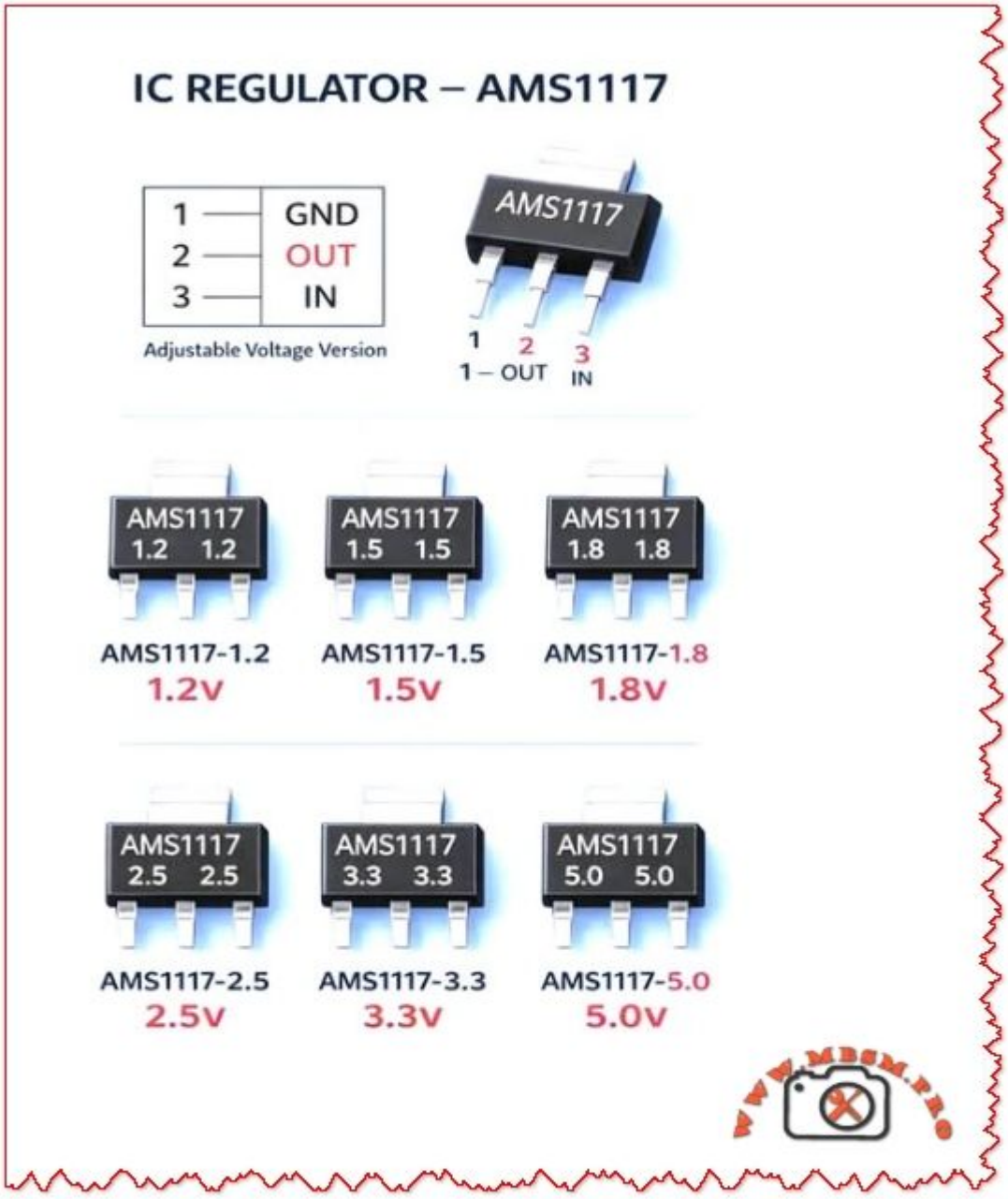
- **NPT (National Pipe Tapered):** Common in North America; the threads are tapered to create a liquid-tight seal.
- **G (BSP – British Standard Pipe):** Common in Europe and internationally; these are parallel threads that usually require a washer or O-ring to seal.



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AMS1117 Voltage Regulator

Category: Equipment
written by www.mbsm.pro | 12 April 2026



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Mbsmpro.com, AMS1117 Voltage Regulator, Common Mistakes, Thermal Design, 1.2V–5.0V, Decoupling, Layout, Alternatives

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Fitco Wired & Wireless Smart Kit

Category: Equipment
written by www.mbsm.pro | 12 April 2026



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Mbsmpro.com, Fitco AC Wired Controller, Remote Kit, WiFi Ready, Smart HVAC Control, Universal Split AC, Thermostat Upgrade

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The ECQ VP115 Vacuum Pump

Category: Equipment
written by www.mbsm.pro | 12 April 2026



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The ECQ Vacuum Pump VP115 is the ideal tool for the artisan bricoleur. With 2 CFM displacement and a durable 1/4 HP motor, it perfectly balances portability and power for residential AC and fridge repairs. This guide covers specifications, maintenance, and why 100% copper winding matters for your daily work.

Toshiba GR-EF37 No-Frost Refrigerator

Category: Equipment
written by www.mbsm.pro | 12 April 2026



“Toshiba GR-EF37 350 liter no-frost refrigerator with platinum deodorizer, A-class energy efficiency, R600a refrigerant, 10-year warranty, dual cooling zones”

Siemens SITRANS FM MAG 6000, 7ME6920-1AA10-1AA0

Category: Equipment
written by www.mbsm.pro | 12 April 2026



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Siemens SITRANS FM MAG 6000 7ME6920-1AA10-1AA0 electromagnetic flow transmitter 115-230V AC IP67 NEMA 6 high-accuracy water and process flow measurement with batch control and diagnostics

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Carrier Pro-Dialog+

Category: Equipment
written by www.mbsm.pro | 12 April 2026



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Carrier Pro-Dialog+ Tripout shutdown alarm, access denied message and troubleshooting steps by Mbsmgroup

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Ariston AB 636 T EX

Category: Equipment
written by www.mbsm.pro | 12 April 2026



Ariston AB 636 T EX washing machine rating plate identification and technical specifications for repair technicians

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LG T1387NEHVE 13.2 kg Smart Inverter, Washing Machine

Category: Equipment
written by www.mbsm.pro | 12 April 2026



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The label fixed to the side of the LG T1387NEHVE washing machine is more than a simple sticker; it is a compact technical identity card that tells you exactly what this appliance can do, how it should be powered, and when it was manufactured for technicians and careful buyers.

Compressor database chart Relay Olp

Category: Equipment
written by www.mbsm.pro | 12 April 2026



Model	Connect current(A)	Release current(A)	Overload current(A)	Applied Temperature℃	Connect temperatur℃
117μ2010	2	1.6	4	105±10	60±10
117μ2030	3	2.6	5		
117μ2040	4	3.6	6.5		
117μ2050	4.6	4.2	6.5		

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A refrigerator compressor does not run alone; it depends on a start relay and an overload protector (OLP) to start safely and avoid burning out. The wiring diagram of compressor, relay, and OLP shows how power flows from the thermostat, through protection devices, to the motor windings, keeping domestic fridges reliable and safe.