



# Jaw Coupling

**Flexible solutions providing exceptional performance and value.**

Absorbing incidental misalignment, shock loads and small amplitude vibrations, Fenner® Jaw couplings offer a low cost flexible solution for most applications.

## Benefits

- > Ease of alignment
- > Fail-safe shaft connection
- > Range of element materials available including nitrile, urethane and Hytrel
- > Pump spacer variant available (100mm or 140mm length)
- > Quick-fit wrap around element available
- > Design powers up to 42.2kW available at 1440rpm
- > Ambient operating temperature range -50°C to +120°C
- > Pilot bore design also available

## Assembly Variants

**SX** Simple coupling of two close-coupled shafts using 2 x SX hubs + a spider shaped element. The element petals are connected by an inner ring to maintain location between the 'jaws' on the hubs. Urethane and Hytrel® spider elements are available to enhance the coupling power rating.

**QF** On sizes 095 and above, the SX hubs are drilled/tapped for fixing a pressed steel 'ring' or sleeve. The ring retains a QF type nitrile rubber element on which the petals are joined by an outer band. Unscrewing and withdrawing the ring allows the element to be removed for replacement without disturbing the hubs. The retaining ring and element are supplied together as a 'ring kit'.

**QFS** Used when the machine shafts to be coupled are set apart by a DBSE (distance between shaft ends) of 100 or 140mm. This arrangement is common with centrifugal pump applications.

A QF coupling is used with a light alloy spacer, which is supplied complete with a second ring kit, to create a spacer coupling which is easily disassembled by removing the two elements.



## Size Reference

Maximum bore size in mm	
Size reference	Bore and keyed
035	9
050	14
070	19
075	24
090	24
095	28
100	35
110	42
150	48
190	55
225	60

## Construction



# Fenner®

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