

GA90090 Series



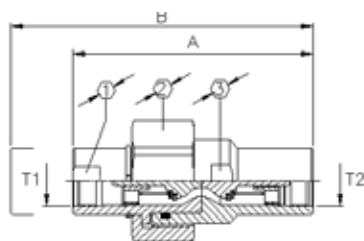
Eaton's high pressure hydraulic coupling GA90090 was engineered to perform in applications that require the highest level of performance. Working pressure of up to 420 bar (6,000psi) in all sizes. One of the most demanding applications is the drill hammer used in construction.

Product Features

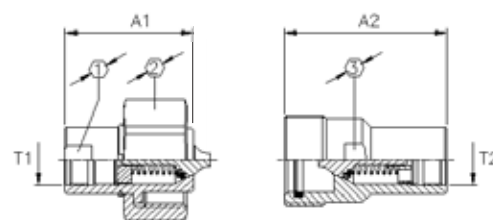
- Maximum working pressure up to 420 bar [6000 psi] in all sizes
- Available in size -8, -10, and -12
- Available thread configurations: Metric, UN, and BSP
- Self-sealing features guarantee minimum air inclusion and loss of fluid
- Connection via adapter
- Detachable under pressure
- Long lifetime in dynamic applications
- Works in applications that have extremely high pressure ratings (up to 420 bar)
- Exceeds the requirements of ISC7241/1
- Standard model available in zinc plated steel

Applications & Markets

- High pressure hydraulic systems and fluid transfer used in the construction, agriculture, and forestry markets
- Dynamic hydraulic applications like the drilling hammer



Connected Coupling



Male Half

Female Half

Metric Thread

Size	DN	Coupling	Thread	A	B	Hex 1	Hex 2	Hex 3
(T1=T2)				(mm)	(mm)	(mm)	(mm)	(mm)
-8	12	GA90090-8	M22x1,5	89.1	105	27	41	27
-12	16	GA90090-12	M30x1,5	143.6	183	36	65	46
-16	20	GA90090-16	M38x1,5	163.7	196.7	50	75	55

Size	DN	Male Half	Female Half	A1	A2
				(mm)	(mm)
-8	12	GA90092-8	GA90091-8	45.7	59.4
-12	16	GA90092-12	GA90091-12	76.8	96.7
-16	20	GA90092-16	GA90091-16	81.7	115.0

UNF-Thread*

Size	DN	Coupling	Thread	A	B	Hex 1	Hex 2	Hex 3
(T1=T2)				(mm)	(mm)	(mm)	(mm)	(mm)
-8	12	GA90762-8	7/8-14UNF-2B	93.1	109	27	41	27
-12	16	GA90762-12	1 3/16-12UNF-2B	163.7	196.7	36	65	46

*Thread according to SAE J1926-1 (ISO 11926-1)

Size	DN	Male Half	Female Half	A1	A2
				(mm)	(mm)
-8	12	GA90764-8	GA90763-8	47.7	61.4
-12	16	GA90764-12	GA90763-12	88.8	106.7

BSP-Thread

Size	DN	Coupling	Thread	A	B	Hex 1	Hex 2	Hex 3
(T1=T2)				(mm)	(mm)	(mm)	(mm)	(mm)
-8	12	GA90767-8	G 1/2"-14	99.1	115	27	41	27
-12	16	GA90767-12-16	G 1"-11	158.8	188.7	36	65	46
-16	20	GA90767-16-20	G 1 1/4"-11	163.7	196.7	50	75	55

Size	DN	Male Half	Female Half	A1	A2
				(mm)	(mm)
-8	12	GA90767-8	GA90768-8	50.7	64.4
-12	16	GA90767-12-16	GA90768-12-16	84.4	104.3
-16	20	GA90767-16-20	GA90768-16-20	81.7	115.0