



Hydraulic Quick Couplings



Innovative Solutions
Remarkable Flow
Least Pressure Drop
Out Performs Conventional Design



OEM Trusted End User Preferred

Five Decades Of
Manufacturing Excellence

UNITED TYREKRAFTS PRIVATE LIMITED
www.unitread.co.in

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Industrial Catalogue

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CERTIFICATE



**Management system as per
EN ISO 9001:2008**

In accordance with TÜV AUSTRIA CERT procedures, it is hereby certified that

United Tyrekratts Pvt. Ltd.

**Gat No.1087, Near Polybond India Ltd. Sanaswadi, Tal. Shrirur,
Pune - 412 208, India**

applies a management system in line with the above standard for the
following scope

Design and Manufacture of Hydraulic Quick Release Coupling

Certificate Registration No. 20100112007070

Valid until 2018-02-05
Initial certification 2012-02-06

Certification Body
at TÜV AUSTRIA CERT GMBH

Vienna, 2015-01-13

This certification was conducted in accordance with TÜV AUSTRIA CERT auditing and certification
procedures and is subject to regular surveillance audits.
TÜV AUSTRIA CERT GMBH Krugerstraße 16 A-1015 Wien www.tuv.at



ZERTIFIKAT | CERTIFICATE | CERTIFICAT | CERTIFICADO | CERTIFIKAT | 証明書 | 證書 | 인증서

www.tuv.at

THE JOURNEY

Beginning in late seventies, when **UNITREAD** started it was very much fascinated by pneumatic quick couplings used in various tyre and garage tools. We then decided to give it a try to develop couplings and it was after burning many midnight oils, did we get the hang of the product. Over the 80's we put them in the commercial market. The passion for the product, kept us engaged in experimenting further and slowly but surely we decided to make it a business venture.

And thus, began our journey.....



ENGINEERING & DEVELOPMENT

UNITREAD's team of highly experienced engineers develop products that meet or exceed customer's expectations. We provide solutions to specific applications, innovation and product improvement is a continuous process that surrounds all types of couplings including defense, aerospace, underwater, mobile hydraulics, industrial applications, etc. At every step of this collaborative effort from consultation through design, prototyping and manufacturing our customers become thoroughly aware of our expertise and knowledge necessary to solve their demanding applications.

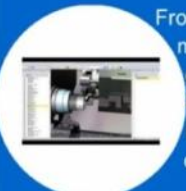
Today, we have a 3D Design Studio with 3D Printing for rapid prototyping among other facilities.



MANUFACTURING & ASSEMBLY

From ordinary manual lathes for production, we moved to single spindle automats and multi operation lathes over the last few years. Still it posed challenges in consistency and repeatability and by the early nineties, when CNC machines started to arrive on the scene, we took the first initiative to install one such machine and we could thereafter, develop many new varieties.

Today, we have several state of the art equipment spread over a 40,000 sq. ft. Area and with further room to grow.



QUALITY

Quality is an integral part of the **UNITREAD's** DNA to provide the customer end to end solution from concept to final product. Considerable time and effort is put in place to train our team members to be conscious about quality at every stage to reduce wastage, improve efficiency and customer satisfaction.

Today, being an ISO 9001 certified organization and with support of many of the latest electronic measuring instruments, stringent testing and quality standards, **UNITREAD** has become the preferred OEM partner to customers in India and now working closely with many overseas OEMs.



COST EFFECTIVENESS

Continuous Improvement Programmes at every stage from cost effective component design and revisiting manufacturing processes, with emphasis on improved quality and cost control demonstrates our commitment to quality and deliver products at affordable prices to customers to improve ours and our customer's profitability.



CUSTOMER SUPPORT

A dedicated team supported by application engineers are available to our customers, ably supported by stocks and fast logistics to ensure smooth delivery.

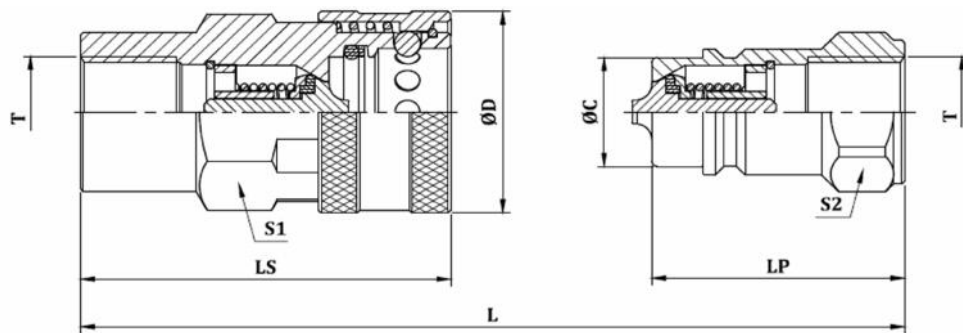


UNITED TYREKRAFTS PVT. LTD.

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Industrial Catalogue

ISO-7241-A SERIES (BSP/ NPT)



Socket

Plug

BSP Series

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia C	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" BSP	U00MAAFBA	U00FAAFBA	32	46.5	19	19	26	64.8	11.8	315	1260
10	3/8"	3/8" BSP	U00MBAFBB	U00FBAFBB	38	56	27	22	31	76.4	17.2	315	1260
12.5	1/2"	1/2" BSP	U00MCAFBC	U00FCAFBC	45.9	67.2	32	27	38	91	20.5	250	1000
20	3/4"	3/4" BSP	U00MDAFBE	U00FDAFBE	55	82	38	36	48	109.4	29.1	250	1000
25	1"	1" BSP	U00MEAFBF	U00FEAFBF	63	97	46	41	54	126	34.3	200	800
31.5	1- 1/4"	1- 1/4" BSP	U00MFAFBG	U00FFAFBG	74	116.2	50	50	69	148	45	200	800
40	1- 1/2"	1- 1/2" BSP	U00MGAFBH	U00FGAFBH	84	135	70	60	80	168.5	55	160	640
50	2"	2" BSP	U00MHAFBI	U00FHAFBI	100	160.9	75	75	99	200.6	65	100	400

NPT Series

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia C	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" NPT	U00MAAFNA	U00FAAFNA	32	46.5	19	19	26	64.8	11.8	315	1260
10	3/8"	3/8" NPT	U00MBAFNB	U00FBAFNB	38	56	27	22	31	76.4	17.2	315	1260
12.5	1/2"	1/2" NPT	U00MCAFNC	U00FCAFNC	45.9	67.2	32	27	38	91	20.5	250	1000
20	3/4"	3/4" NPT	U00MDAFNE	U00FDAFNE	55	82	38	36	48	109.4	29.1	250	1000
25	1"	1" NPT	U00MEAFNF	U00FEAFNF	63	97	46	41	54	126	34.3	200	800
31.5	1 1/4"	1 1/4" NPT	U00MFAFNG	U00FFAFNG	74	116.2	50	50	69	148	45	200	800
40	1 1/2"	1 1/2" NPT	U00MGAFNH	U00FGAFNH	84	135	70	60	80	168.5	55	160	640
50	2"	2" NPT	U00MHAFNI	U00FHAFNI	100	160.9	75	75	99	200.6	65	100	400

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

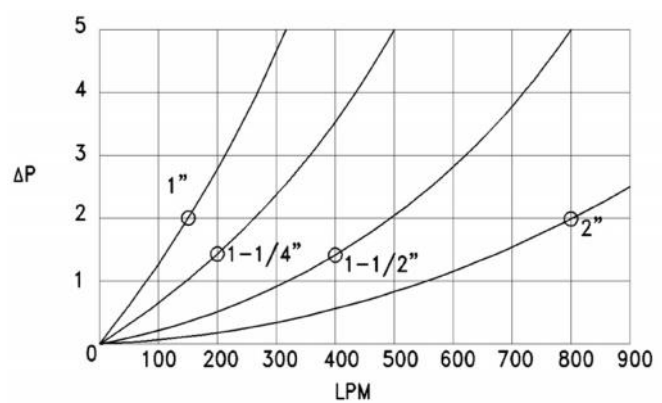
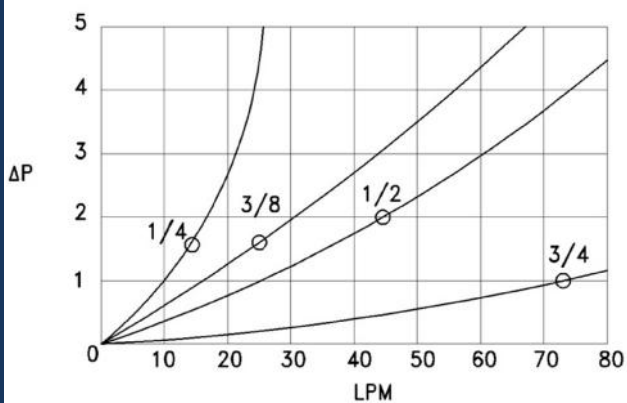
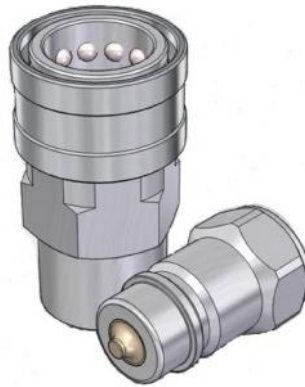
These dimensions are for reference only and are subject to change as per design modifications

Do not use for Inspection.

Brochure Reference: - ISO A SERIES

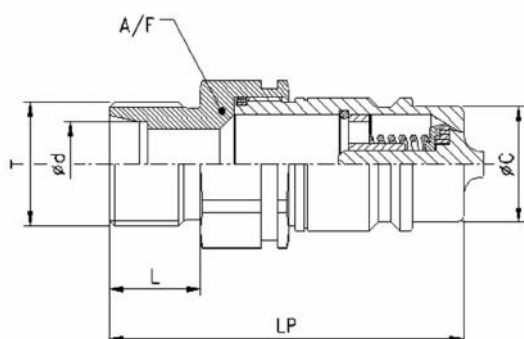
FEATURES

- 1) Connection System: By pulling back the sleeve.
- 2) Disconnection System: By pulling back the sleeve.
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel-EN1A/EN8DM
 - Springs: Spring Steel as per IS:4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.

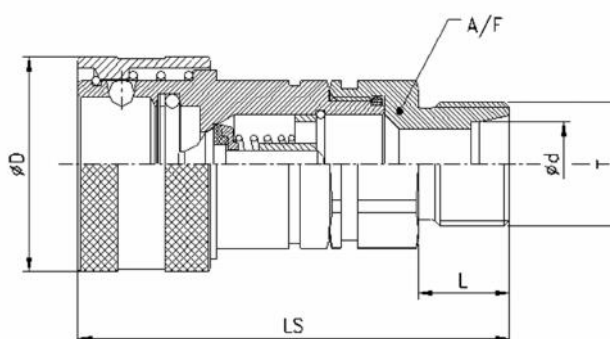


DIFFERENTIAL PRESSURE v/s LPM FOR ISO A COUPLINGS

ISO-A QUICK RELEASE COUPLING WITH END CONNECTIONS AS PER ISO-8434



PLUG



SOCKET

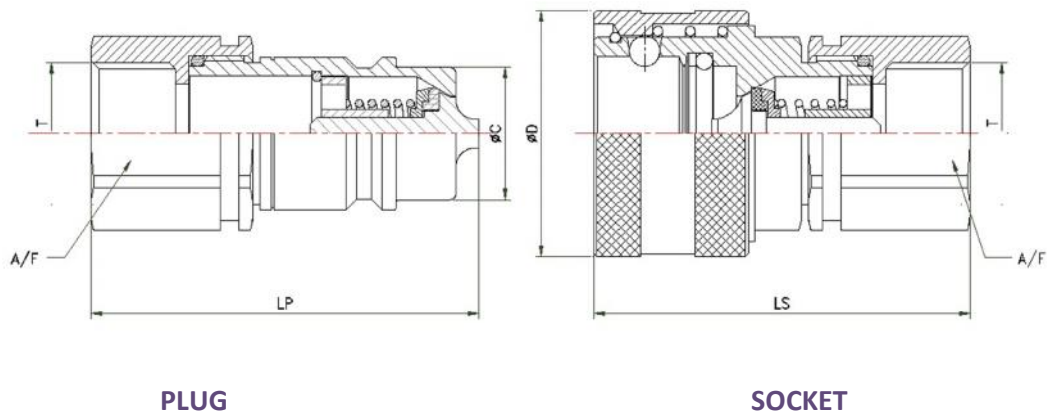
AS PER ISO 8434-1-L MALE THREADS

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					TUBE OD d	LP	LS	A/F	C	D	L	Max Operating Pressure	Min Burst Pressure
10	5/8"	M12x1.5 (6L)	U00MIAMMDSL	U00FIAMMDSL	6L	49.5	65.5	24	17.2	31	10	315	1260
10	3/8"	M14x1.5 (8L)	U00MBAMMESL	U00FBAMMESL	8L	49.5	65.5	24	17.2	31	10	315	1260
10	3/8"	M16x1.5 (10L)	U00MBAMMFSL	U00FBAMMFSL	10L	50.0	67.0	24	17.2	31	11	315	1260
10	3/8"	M18x1.5 (12L)	U00MBAMMGSL	U00FBAMMGSL	12L	50.0	67.0	24	17.2	31	11	315	1260
12.5	1/2"	M14x1.5 (8L)	U00MCAMMESL	U00FCAMMESL	8L	58.5	71.0	27	20.5	38.0	10	250	1000
12.5	1/2"	M16x1.5 (10L)	U00MCAMMFSL	U00FCAMMFSL	10L	60.0	72.0	27	20.5	38.0	11	250	1000
12.5	1/2"	M18x1.5 (12L)	U00MCAMMGSL	U00FCAMMGSL	12L	60.0	72.0	27	20.5	38.0	11	250	1000
12.5	1/2"	M22x1.5 (15L)	U00MCAMMKSL	U00FCAMMKSL	15L	61.0	73.0	27	20.5	38.0	12	250	1000
12.5	1/2"	M26x1.5 (18L)	U00MCAMMLSL	U00FCAMMLSL	18L	61.0	74.0	27	20.5	38.0	12	250	1000

AS PER ISO 8434-1-S MALE THREADS

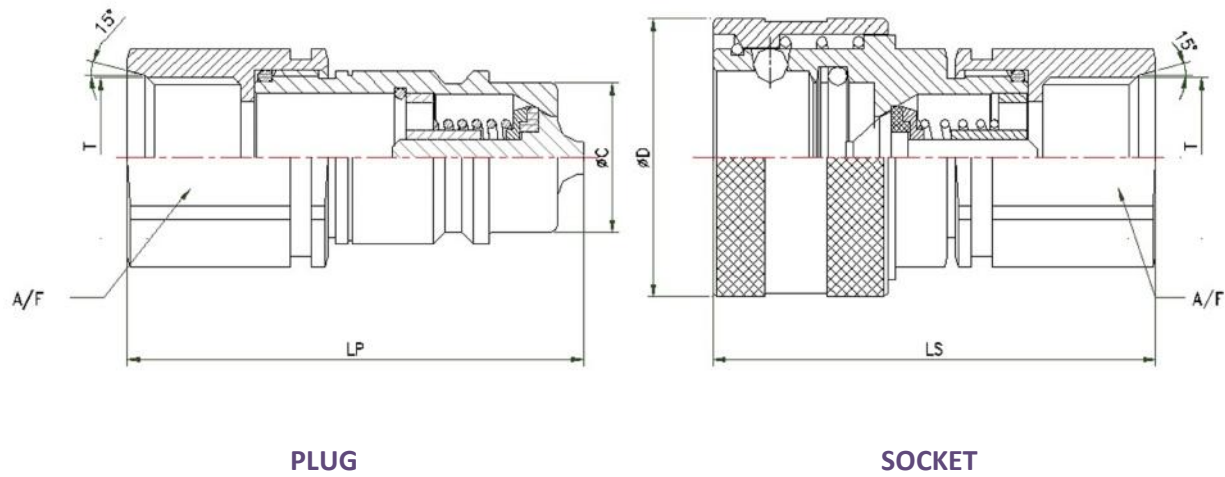
DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					TUBE OD d	LP	LS	A/F	C	D	L	Max Operating Pressure	Min Burst Pressure
10	3/8"	M16x1.5 (8S)	U00MBAMMFS	U00FBAMMFS	8S	49.5	65.5	24	17.2	31	10	315	1260
10	3/8"	M18x1.5 (10S)	U00MBAMMGS	U00FBAMMGS	10S	49.5	65.5	24	17.2	31	10	315	1260
12.5	1/2"	M18x1.5 (10S)	U00MCAMMGS	U00FCAMMGS	10S	50.0	67.0	24	17.2	31	11	250	1000
12.5	1/2"	M20x1.5(12S)	U00MCAMMHS	U00FCAMMHS	12S	50.0	67.0	24	17.2	31	11	250	1000
12.5	1/2"	M24x1.5(16S)	U00MCAMMIS	U00FCAMMIS	16S	58.5	71.0	27	20.5	38.0	10	250	1000

ISO-A QUICK RELEASE COUPLING WITH END CONNECTIONS AS PER ISO-3852-X



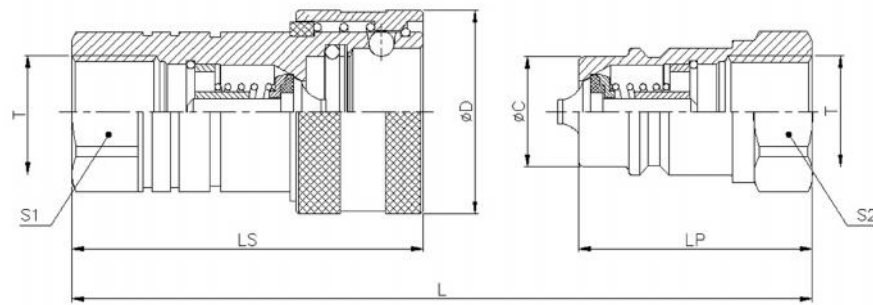
DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications						
					LP	LS	A/F	C	D	Max Operating Pressure	Min Burst Pressure
10	3/8"	M16x1.5	U00MBAFMF-ISO 3852	U00FBAFMF-ISO 3852	48.0	66.0	24	17.2	31	315	1260
12.5	1/2"	M18x1.5	U00MCAFMG-ISO 3852	U00MCAFMG-ISO 3852	57.0	69.5	27	20.5	38	250	1000
12.5	1/2"	M20x1.5	U00MCAFMH-ISO 3852	U00MCAFMH-ISO 3852	57.0	69.5	27	20.5	38	250	1000
12.5	1/2"	M22x1.5	U00MCAFMK-ISO 3852	U00MCAFMK-ISO 3852	59.0	71.5	27	20.5	38	250	1000

ISO-A QUICK RELEASE COUPLING WITH END CONNECTIONS AS PER ISO-6149



DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications						
					LP	LS	A/F	C	D	Max Operating Pressure	Min Burst Pressure
12.5	1/2"	M16x1.5	U00MCAFMF-ISO 6149	U00FCAFMF-ISO 6149	58.0	70.5	27	20.5	38	315	1260
12.5	1/2"	M18x1.5	U00MCAFMG-ISO 6149	U00FCAFMG-ISO 6149	59.5	72.0	27	20.5	38	250	1000
12.5	1/2"	M22x1.5	U00MCAFMK-ISO 6149	U00FCAFMK-ISO 6149	60.5	73.0	27	20.5	38	250	1000

ISO-7241-A SERIES COUPLING



Socket

Plug

Round Socket Series (Brass)

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia C	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" BSP	U00MAAFBA	U00FAAFBA	32	46	19	19	26	64.8	11.8	315	1260
10	3/8"	3/8" BSP	U00MBAFBB	U00FBAFBB	38	56	27	22	31	76.4	17.2	315	1260
12.5	1/2"	1/2" BSP	U00MCAFBC	U00FCAFBC	45.9	66	32	27	38	91	20.5	250	1000
20	3/4"	3/4" BSP	U00MDAFBE	U00FDAFBE	55	82	38	36	48	109.4	29.1	250	1000
25	1"	1" BSP	U00MEAFBF	U00FEAFBF	63	97	46	41	54	126	34.3	200	800

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications

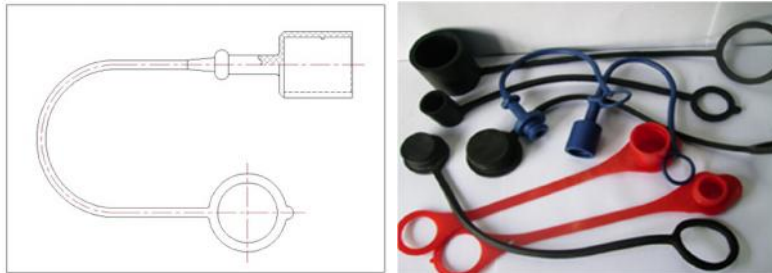
Do not use for Inspection.

Brochure Reference: - ISO A SERIES

DUST CAPS AND PLUGS FOR ISO A SERIES COUPLINGS

Material: PVC

Dust Caps:

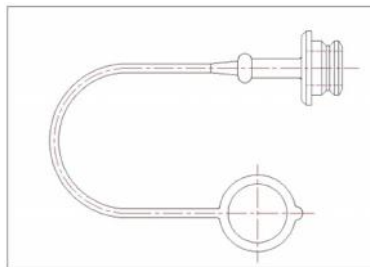


Color	Part No
Black	U88MCAM-BL
Red	U88MCAM-RE
Yellow	U88MCAM-YE
Blue	U88MCAM-BU
Green	U88MCAM-GR

For all sizes except 1/2" dust caps and dust plugs are available in Red Color.

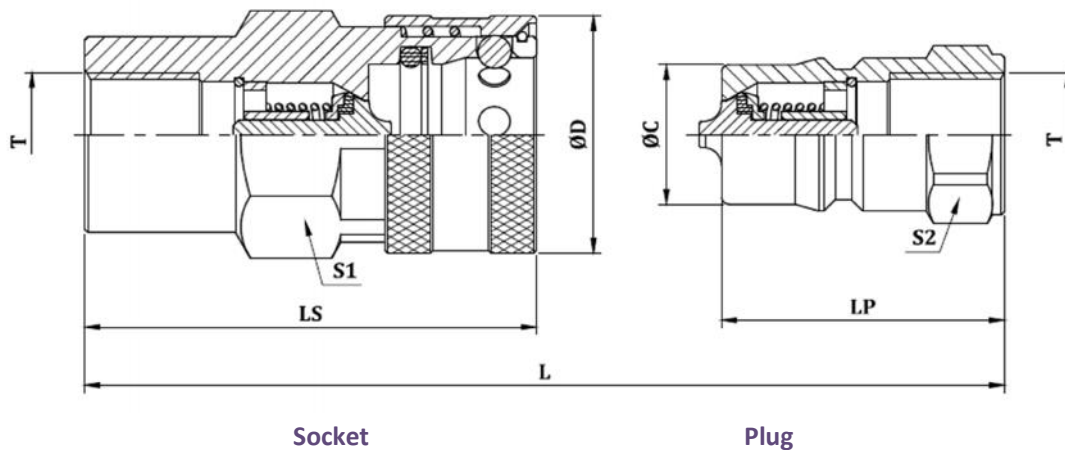
Size	1/4"	3/8"	3/4"	1"
Dust Caps	U88MAAM	U88MBAM	U88MDAM	U88MFAM
Dust Plugs	U87FAAM	U87FBAM	U87FDAM	U87FEAM

Dust Plugs:



Color	Part No
Black	U87FCAM-BL
Red	U87FCAM-RE
Yellow	U87FCAM-YE
Blue	U87FCAM-BU
Green	U87FCAM-GR

ISO-7241-B SERIES (BSP/NPT)



BSP Series

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia C	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" BSP	U00MABFBA	U00FABFBA	36	57.5	22	19	27	71.2	14.2	250	1000
10	3/8"	3/8" BSP	U00MBBFBB	U00FBBFBB	40	65.5	27	22	34	80.2	19.1	250	1000
13	1/2"	1/2" BSP	U00MCBFBC	U00FCBFBC	47	75	36	27	40	94.4	23.5	250	1000
20	3/4"	3/4" BSP	U00MDBFBE	U00FDBFBE	56.3	91.9	41	36	51.7	112.8	31.4	160	1000
25	1"	1" BSP	U00MEBFBF	U00FEBFBF	64	103.9	50	41	60	128.2	37.8	100	1000

NPT Series

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia C	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" NPT	U00MABFNA	U00FABFNA	36	57.5	22	19	27	71.2	14.2	250	1000
10	3/8"	3/8" NPT	U00MBBFNB	U00FBBFNB	40	65.5	27	22	34	80.2	19.1	250	1000
13	1/2"	1/2" NPT	U00MCBFNC	U00FCBFNC	47	75	36	27	40	94.4	23.5	250	1000
20	3/4"	3/4" NPT	U00MDBFNE	U00FDBFNE	56.3	91.9	41	36	51.7	112.8	31.4	160	1000
25	1"	1" NPT	U00MEBFNF	U00FEBFNF	64	103.9	50	41	60	128.2	37.8	100	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

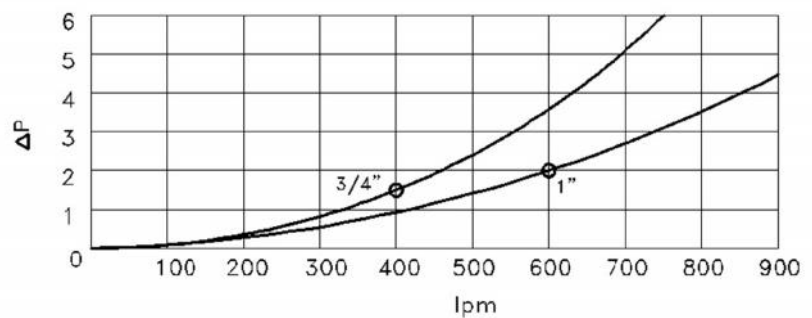
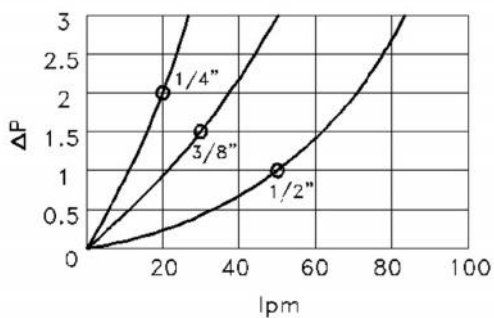
These dimensions are for reference only and are subject to change as per design modifications

Do not use for Inspection.

Brochure Reference: - ISO B SERIES

FEATURES

- 1) Connection System: By pulling back the sleeve.
- 2) Disconnection System: By pulling back the sleeve.
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel-EN1A/EN8DM
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.

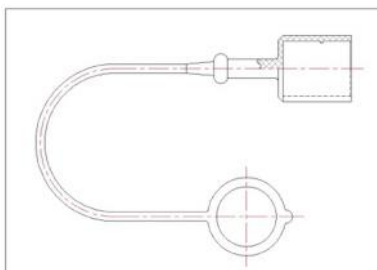


DIFFERENTIAL PRESSURE v/s LPM FOR ISO B COUPLINGS

DUST CAPS AND PLUGS FOR ISO B SERIES COUPLINGS

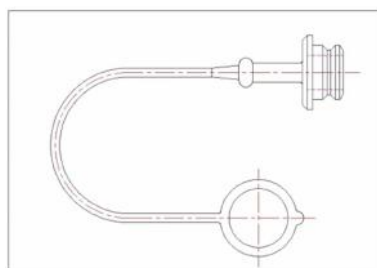
Material: PVC (Available in Red colour)

Dust Caps:



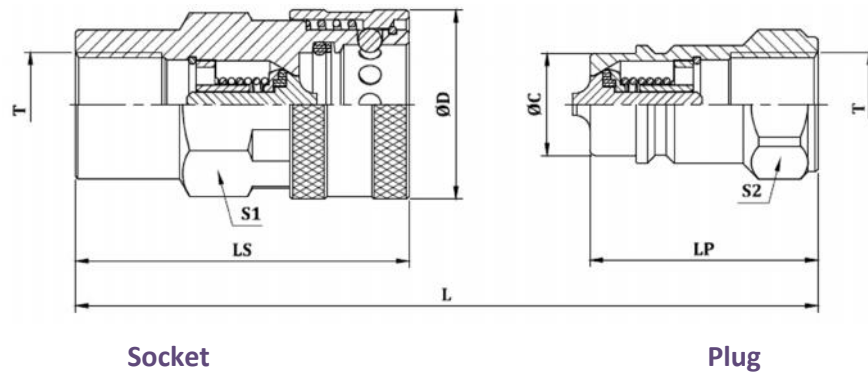
Size	Part No
1/4"	U88MABM
3/8"	U88MBBM
1/2"	U88MCBM
3/4"	U88MDBM
1"	U88MEBM

Dust Plugs:



Size	Part No
1/4"	U87FABM
3/8"	U87FBBM
1/2"	U87FCBM
3/4"	U87FDBM
1"	U87FEBM

DIN SERIES



BSP Series

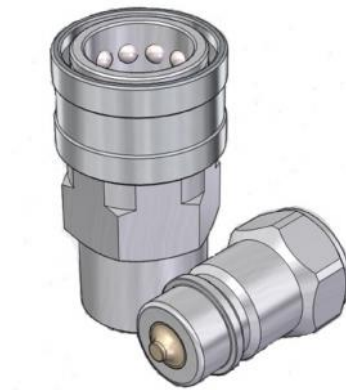
DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia C	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" BSP	U00MADFBA	U00FADFBA	36	53	22	19	27	72	14.2	350	1000
10	3/8"	3/8" BSP	U00MBDFBB	U00FBDFFB	40	61	27	24	35	81	18.95	300	1000
12.5	1/2"	1/2" BSP	U00MCDFFC	U00FCDFFC	46	63	30	27	38	87.5	20.56	300	1000
20	3/4"	3/4" BSP	U00MDDFBE	U00FDDFFBE	56	85	38	36	48	112	27.95	250	640
25	1"	1" BSP	U00MEDFFB	U00FEDFFB	63	96	46	41	55	126	31.3	220	400

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.
 These dimensions are for reference only and are subject to change as per design modifications
 Do not use for Inspection.

Brochure Reference: - DIN SERIES

FEATURES

- 1) Connection System: By pulling back the sleeve.
- 2) Disconnection System: By pulling back the sleeve.
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel-EN1A/EN8DM
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.

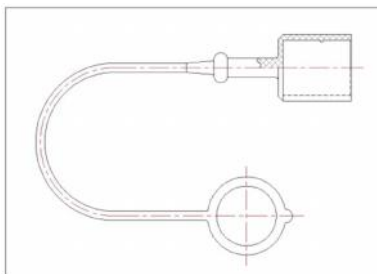


DUST CAPS AND PLUGS FOR DIN SERIES COUPLINGS

(Available for 1/2" Couplings)

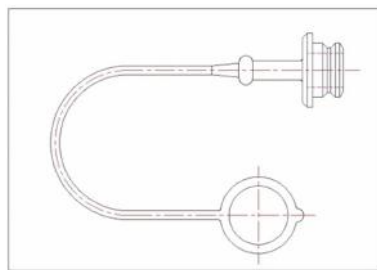
Material: PVC

Dust Caps:



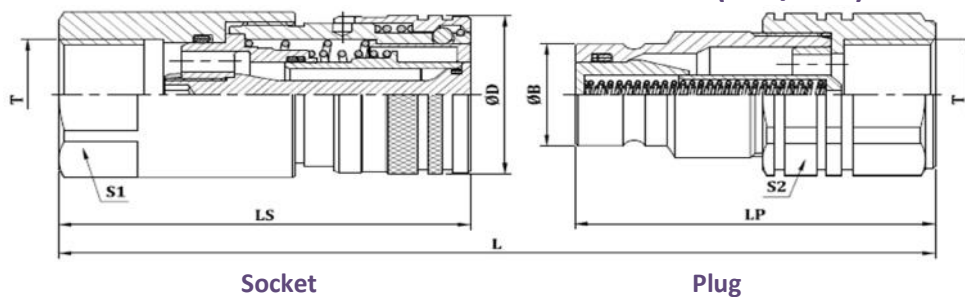
Colour	Black	Red	Yellow	Blue	Green
Part no.	U88MCDM-BL	U88MCDM-RE	U88MCDM-YE	U88MCDM-BU	U88MCDM-GR

Dust Plugs:



Colour	Black	Red	Yellow	Blue	Green
Part no.	U87FCDM-BL	U87FCDM-RE	U87FCDM-YE	U87FCDM-BU	U87FCDM-GR

ISO-16028 SERIES FLAT FACE COUPLINGS (BSP/NPT)



BSP Series

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia B	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" BSP	U00MAFFBA	U00FAFFBA	52.5	59.5	22	22	28.5	101	16.1	315	1260
10	3/8"	3/8" BSP	U00MBFFBB	U00FBFFBB	60.6	73.8	30	30	33	119	19.7	250	1000
10	3/8"	1/2" BSP	U00MBFFBC	U00FBFFBC	60.6	73.8	30	30	33	119	19.7	250	1000
12.5	1/2"	1/2" BSP	U00MCFFBC	U00FCFFBC	73	83.5	36	36	38	139	24.5	250	1000
12.5	1/2"	3/4" BSP	U00MCFFBC	U00FCFFBC	73	83.5	36	36	38	139	24.5	250	1000
20	3/4"	3/4" BSP	U00MDFFBE	U00FDFFBE	86.2	98.5	41	41	48.5	162	29.9	250	1000
20	3/4"	1" BSP	U00MDFFBE	U00FDFFBF	86.2	98.5	41	41	48.5	162	29.9	250	1000
25	1"	1" BSP	U00MEFFBF	U00FEFFBF	92.2	109.5	50	50	55.5	179	36	200	800
40	1-1/4"	1-1/4" BSP	U00MFFFBG	U00FFFBG	111	132.5	65	70	80	215	50	200	800
50	1-1/2"	1-1/2" BSP	U00MGFFBH	U00FGFFBH	125	165	80	75	100	250	75	180	720

NPT Series

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia B	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" NPT	U00MAFFNA	U00FAFFNA	52.5	59.5	22	22	28.5	101	16.1	315	1260
10	3/8"	3/8" NPT	U00MBFFNB	U00FBFFNB	60.6	73.8	30	30	33	119	19.7	250	1000
10	3/8"	1/2" NPT	U00MBFFNC	U00FBFFNC	60.6	73.8	30	30	33	119	19.7	250	1000
12.5	1/2"	1/2" NPT	U00MCFFNC	U00FCFFNC	73	83.5	36	36	38	139	24.5	250	1000
12.5	1/2"	3/4" NPT	U00MCFFNE	U00FCFFNE	73	83.5	36	36	38	139	24.5	250	1000
20	3/4"	3/4" NPT	U00MDFFNF	U00FDFFNE	86.2	98.5	41	41	48.5	162	29.9	250	1000
20	3/4"	1" NPT	U00MDFFNF	U00FDFFNF	86.2	98.5	41	41	48.5	162	29.9	250	1000
25	1"	1" NPT	U00MEFFNF	U00FEFFNF	92.2	109.5	50	50	55.5	179	36	200	800
40	1-1/4"	1-1/4" NPT	U00MFFFNG	U00FFFFNG	111	132.5	65	70	80	215	50	200	800
50	1-1/2"	1-1/2" NPT	U00MGFFNH	U00FGFFNH	125	165	80	75	100	250	75	180	720

NOTE: Sizes marked in green color does not comply ISO 16028, hence are non-standard sizes.

All dimensions are in mm, unless otherwise specified. Pressure in bar.

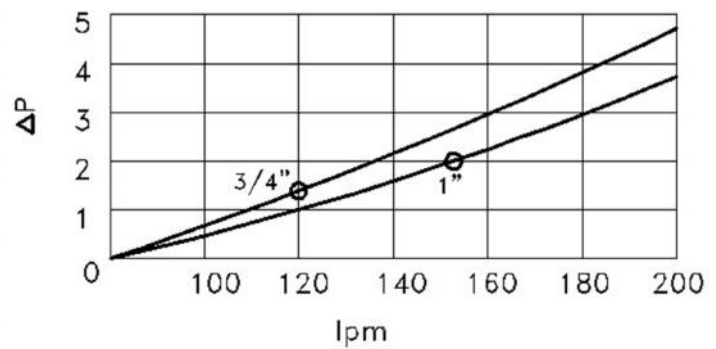
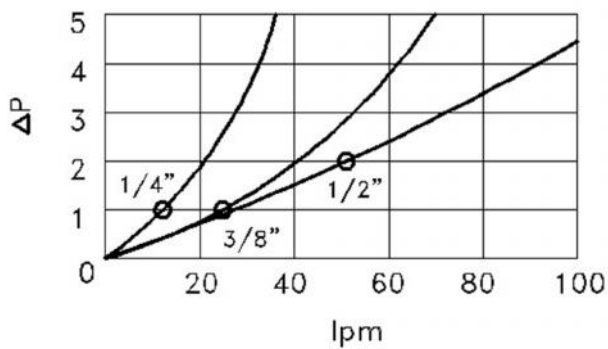
These dimensions are for reference only and are subject to change as per design modifications.

Do not use for Inspection.

Brochure Reference: - FLAT FACE SERIES

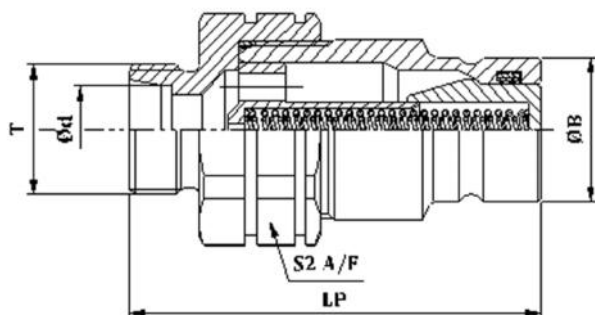
FEATURES

- 1) Connection System: By pushing the Male Coupling.
- 2) Disconnection System: By pulling back the female sleeve.
- 3) Shut-off System: Flat Face Valve
- 4) Connectable: Without Pressure
- 5) No spillage during connection and disconnection.
- 6) Materials:
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 7) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 8) Designed to achieve higher flow rates @ lower pressure drops.

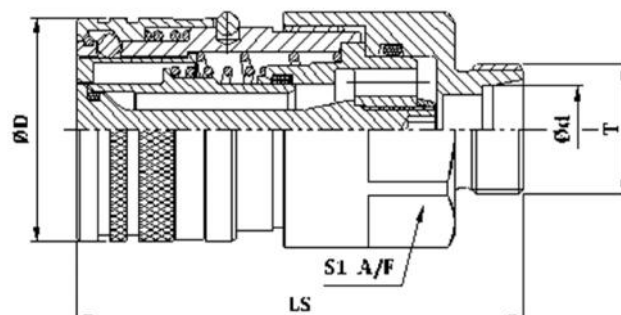


DIFFERENTIAL PRESSURE v/s LPM FOR FLAT FACE COUPLINGS

ISO-16028 FLAT FACE SERIES (MULTIPLE THREADS- ISO 8434-1S)



PLUG



SOCKET

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					TUBE OD d	LP	LS	A/F1	A/F2	C	D	Max Operating Pressure	Min Burst Pressure
10	3/8"	M16x1.5 (8S)	U00MBFMMFSS	U00FBFMMFSS	8S	63	78	30	30	19.7	33	250	1000
		M18x1.5 (10S)	U00MBFMMGSS	U00FBFMMGSS	10S	65	78	30	30	19.7	33	250	1000
		M20x1.5 (12S)	U00MBFMMHSS	U00FBFMMHSS	12S	65	79	30	30	19.7	33	250	1000
12.5	1/2"	M18x1.5 (10S)	U00MCFMMGSS	U00FCFMMGSS	10S	74	80.5	36	36	24.5	38	250	1000
		M20x1.5 (12S)	U00MCFMMHSS	U00FCFMMHSS	12S	75	81	36	36	24.5	38	250	1000
		M22x1.5 (14S)	U00MCFMMKSS	U00FCFMMKSS	14S	75	81	36	36	24.5	38	250	1000
		M24x1.5 (16S)	U00MCFMMISS	U00FCFMMISS	16S	76	82	36	36	24.5	38	250	1000
16	5/8"	M22x1.5 (14S)	U00MIFMMKSS	U00FIFMMKSS	14S	75	84	38	38	27.0	42	250	1000
		M24x1.5 (16S)	U00MIFMMISS	U00FIFMMISS	16S	76	86	38	38	27.0	42	250	1000
		M30x2 (20S)	U00MIFMMNSS	U00FIFMMNSS	20S	80	91	38	36	27.0	42	250	1000
20	3/4"	M30x2 (20S)	U00MDFMMNSS	U00FDFMMNSS	20S	81	92	41	41	30	48.5	250	1000
		M36x2 (25S)	U00MDFMMRSS	U00FDFMMRSS	25S	85	96	41	41	30	48.5	250	1000
		M42x2 (30S)	U00MDFMMTSS	U00FDFMMTSS	30S	85	99	41	41	30	48.5	250	1000
		M52x2 (38S)	U00MDFMMUSS	U00FDFMMUSS	38S	88	101	41	41	30	48.5	250	1000

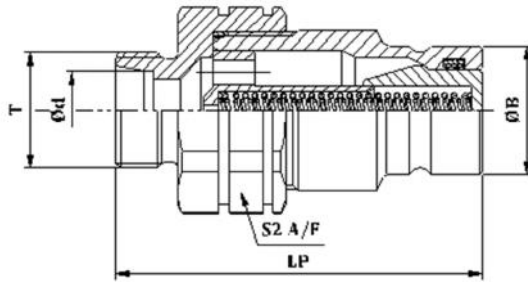
NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications

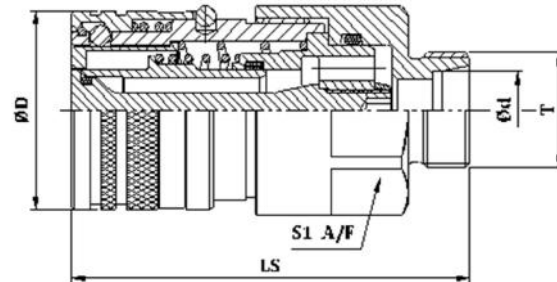
Do not use for Inspection.

Brochure Reference: - FLAT FACE SERIES

ISO-16028 FLAT FACE SERIES (MULTIPLE THREADS- ISO 8434-1L)



PLUG



SOCKET

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					TUBE OD d	LP	LS	A/F1	A/F2	C	D	Max Operating Pressure	Min Burst Pressur e
06	1/4"	M12x1.5 (6L)	U00MAFMMDSL	U00FAFMMDSL	6L	54	62	27	22	16.2	27.5	315	1260
		M14x1.5 (8L)	U00MAFMMESL	U00FAFMMESL	8L	54	63	27	22	16.2	27.5	315	1260
10	3/8"	M14x1.5(8L)	U00MBFMMESL	U00BFMMESL	8L	61.5	76.5	30	30	19.7	33	250	1000
		M16x1.5 (10L)	U00MBFMMFSL	U00BFMMFSL	10L	63	77.5	30	30	19.7	33	250	1000
12.5	1/2"	M14x1.5 (8L)	U00MCFMMESL	U00FCFMMESL	8L	73	79.5	36	36	24.5	38	250	1000
		M16x1.5 (10L)	U00MCFMMFSL	U00FCFMMFSL	10L	74	81	36	36	24.5	38	250	1000
		M18x1.5 (12L)	U00MCFMMGSL	U00FCFMMGSL	12L	74	81	36	36	24.5	38	250	1000
		M22x1.5 (15L)	U00MCFMMISL	U00FCFMMISL	15L	76	82.5	36	36	24.5	38	250	1000
		M26x1.5 (18L)	U00MCFMMLS	U00FCFMMLS	18L	77	83	36	36	24.5	38	250	1000
16	5/8"	M18x1.5 (12L)	U00MIFMMGSL	U00FIFMMGSL	12L	74.5	83.1	38	38	27.0	42	250	1000
		M22x1.5 (15L)	U00MIFMMKSL	U00FIFMMKSL	15L	75	85	38	38	27.0	42	250	1000
		M26x1.5 (18L)	U00MIFMMLS	U00FIFMMLS	18L	77	87	38	36	27.0	42	250	1000
20	3/4"	M26x1.5 (18L)	U00MDFMMLS	U00FDFMMLS	18L	81	92	41	41	30	48.5	250	1000
		M30x2 (22L)	U00MDFMMNSL	U00FDFMMNSL	22L	81	92	41	41	30	48.5	250	1000
		M36x2 (28L)	U00MDFMMRSL	U00FDFMMRSL	28L	83	94	41	41	30	48.5	250	1000
		M45x2 (35L)	U00MDFMMTSL	U00FDFMMTSL	35	84	96	41	41	30	48.5	250	1000

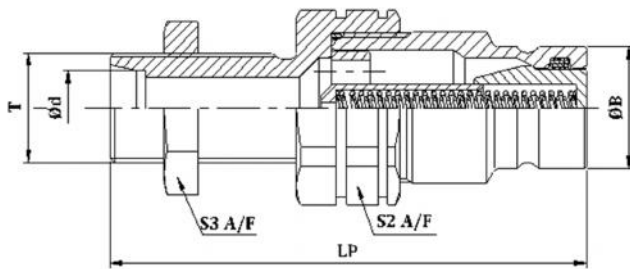
NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications

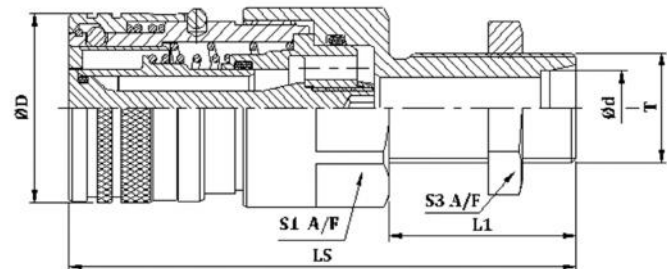
Do not use for Inspection.

Brochure Reference: - FLAT FACE SERIES

ISO-16028 FLAT FACE SERIES (MULTIPLE THREADS- ISO 8434-1 BULKHEAD -L)



PLUG



SOCKET

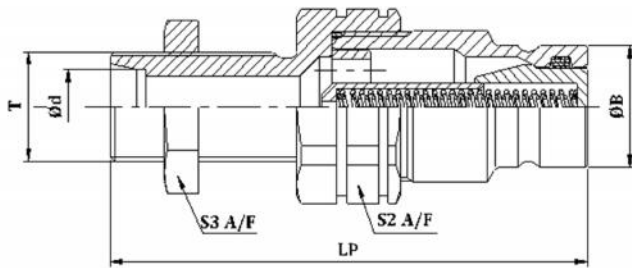
DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications									
					TUBE OD d	LP	LS	S1	S2	S3	C	D	Max Operating Pressure	Min Burst Pressure
06	1/4"	M12x1.5 (6L)	U00MAFMMDBL	U00FAFMMDBL	6L	68	75	27	22	17	16.2	27.5	315	1260
		M14x1.5 (8L)	U00MAFMMEBL	U00FAFMMEBL	8L	70	80	27	22	19	16.2	27.5	315	1260
10	3/8"	M14x1.5 (8L)	U00MBFMMEBL	U00BFFMMEBL	8L	85	100	30	30	19	19.7	33	250	1000
		M16x1.5 (10L)	U00MBFMFBL	U00BFFMFBL	10L	86	102	30	30	22	19.7	33	250	1000
12.5	1/2"	M14x1.5 (10L)	U00MCFMMEBL	U00FCFMMEBL	10L	96	103	36	36	19	24.5	38	250	1000
		M16x1.5 (10L)	U00MCFMMFBL	U00FCFMMFBL	10L	96	105	36	36	22	24.5	38	250	1000
		M18x1.5 (12L)	U00MCFMMGBL	U00FCFMMGBL	12L	97	106	36	36	24	24.5	38	250	1000
		M22x1.5 (15L)	U00MCFMMKBL	U00FCFMMKBL	15L	98	110	36	36	30	24.5	38	250	1000
		M26x1.5 (18L)	U00MCFMMLBL	U00FCFMMLBL	18L	100	112	36	36	36	24.5	38	250	1000
16	5/8"	M18x1.5 (12L)	U00MIFMMGBL	U00FIFMMGBL	12L	97	107	38	38	24	27.0	42	250	1000
		M22x1.5 (15L)	U00MIFMMKBL	U00FIFMMKBL	15L	99	110	38	38	30	27.0	42	250	1000
		M26x1.5 (18L)	U00MIFMMLBL	U00FIFMMLBL	18L	101	114	38	36	36	27.0	42	250	1000
20	3/4"	M26x1.5 (18L)	U00MDFMMLBL	U00FDFMMLBL	18L	105	115	41	41	36	30	48.5	250	1000
		M30x2 (22L)	U00MDFMMNBL	U00FDFMMNBL	22L	106	119	41	41	41	30	48.5	250	1000
		M36x2 (28L)	U00MDFMMRBL	U00FDFMMRBL	28L	110	122	41	41	46	30	48.5	250	1000
		M45x2 (35L)	U00MDFMMUBL	U00FDFMMUBL	35L	112	125	41	41	55	30	48.5	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

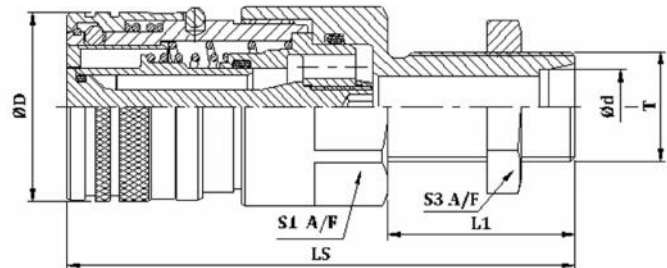
These dimensions are for reference only and are subject to change as per design modifications
Do not use for Inspection.

Brochure Reference: - FLAT FACE SERIES

ISO-16028 FLAT FACE SERIES (MULTIPLE THREADS- ISO 8434-1 BULKHEAD -S)



PLUG



SOCKET

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications									
					TUB E OD d	LP	LS	S1	S2	S3	C	D	Max Operating Pressure	Min Burst Pressure
10	3/8"	M16x1.5 (8S)	U00MBFMMFBS	U00FBFMMFBS	8S	87	103	30	30	22	19.7	33	250	1000
		M18x1.5 (10S)	U00MBFMMGBS	U00FBFMMGBS	10S	88	105	30	30	24	19.7	33	250	1000
		M20x1.5 (12S)	U00MBFMMHBS	U00MBFMMHBS	12S	89	108	30	30	27	19.7	33	250	1000
12.5	1/2"	M18x1.5 (10S)	U00MCFMMGBS	U00MCFMMGBS	10S	97	110	36	36	24	24.5	38	250	1000
		M20x1.5 (12S)	U00MCFMMHBS	U00FCFMMHBS	12S	98	112	36	36	27	24.5	38	250	1000
		M24x1.5 (16S)	U00MCFMMIBS	U00FCFMMIBS	16S	99	113	36	36	32	24.5	38	250	1000
16	5/8"	M24x1.5 (16S)	U00MIFMMIBS	U00FIFMMIBS	16S	99	110	38	38	32	27.0	42	250	1000
		M30x2 (20S)	U00MIFMMNBS	U00FIFMMNBS	20S	102	114	38	38	41	27.0	42	250	1000
20	3/4"	M30x2 (20S)	U00MDFMMNBS	U00FDFMMNBS	20S	107	115	41	41	41	30	48.5	250	1000
		M36x2 (25S)	U00MDFMMRBS	U00FDFMMRBS	25S	109	121	41	41	46	30	48.5	250	1000
		M42x2 (30S)	U00MDFMMTBS	U00MDFMMTBS	30S	112	125	41	41	50	30	48.5	250	1000
		M52x2 (38S)	U00MDFMMUBS	U00MDFMMUBS	38S	114	127	41	41	65	30	48.5	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications

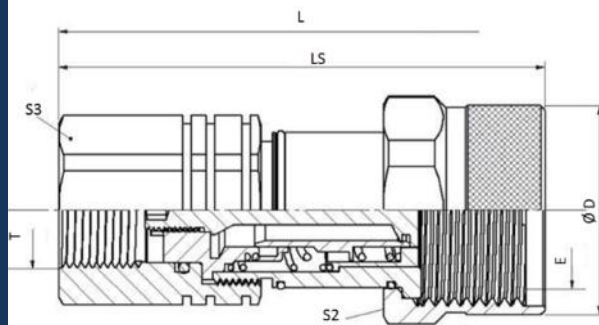
Do not use for Inspection.

Brochure Reference: - FLAT FACE SERIES

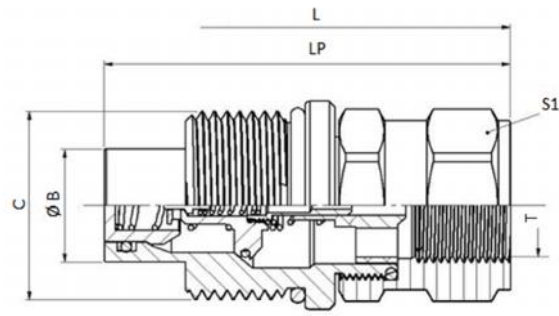
FEATURES

- 1) Connection System: By screwing together the two parts.
- 2) Disconnection System: By unscrewing the two parts.
- 3) Shut-off System: Flat Face Valve
- 4) Connectable: Under Residual Pressure.
- 5) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.

ISO-16028 FLAT FACE SCREW SERIES (BSP/NPT)



Socket



Plug

BSP Series

DN	Size	Thread Type T	Plug Part No.	Socket Part No.	Specifications											
					LP	LS	S1	S2	S3	Dia B	C	Dia D	E	L	Max Op. Pressure	Min. Burst Pressure
6.3	1/4"	1/4" BSP	U00MAFSFBA	U00FAFSFBA	75	55	22	36	27	12.2	M30x2	26.5	M30x2	110	550	1500
10	3/8"	3/8" BSP	U00MBFSFBB	U00FBFSFBB	73	96	30	38	30	19.8	M33x2	37.5	M33x2	129	550	1400
		1/2" BSP	U00MBFSFBC	U00FBFSFBC	73	96	30	38	30	19.8	M33x2	37.5	M33x2	129	550	1400
12.5	1/2"	1/2" BSP	U00MCFSFBC	U00FCFSFBC	85	109	36	46	41	24.5	M40x3	45.5	M40x3	155	550	1400
		3/4" BSP	U00MCFSFBE	U00FCFSFBE	85	109	36	46	41	24.5	M40x3	45.5	M40x3	155	550	1400
20	3/4"	3/4" BSP	U00MDFSFBF	U00FDFSFBF	97	115	41	50	41	27.05	M45x3	49.75	M45x3	165	550	1250
		1" BSP	U00MDFSFBF	U00FDFSFBF	97	115	41	50	41	27.05	M45x3	49.75	M45x3	165	550	1250
25	1"	1" BSP	U00MEFSFBF	U00FEFSFBF	110	190	41	55	46	30.0	M50x3	54.50	M50x3	188	500	1200

NPT Series

DN	Size	Thread Type T	Plug Part No.	Socket Part No.	Specifications											
					LP	LS	S1	S2	S3	Dia B	C	Dia D	E	L	Max Op. Pressure	Minimum Burst Pr
6.3	1/4"	1/4" NPT	U00MAFSFNA	U00FAFSFNA	75	55	22	36	27	12.2	M30x2	26.5	M30x2	110	550	1500
10	3/8"	3/8" NPT	U00MBFSFNB	U00FBFSFNB	73	96	30	38	30	19.8	M33x2	37.5	M33x2	129	550	1400
		1/2" NPT	U00MBFSFNC	U00FBFSFNC	73	96	30	38	30	19.8	M33x2	37.5	M33x2	129	550	1400
12.5	1/2"	1/2" NPT	U00MCFSFNC	U00FCFSFNC	85	109	36	46	41	24.5	M40x2	45.5	M40x2	155	550	1400
		3/4" NPT	U00MCFSFNE	U00FCFSFNE	85	109	36	46	41	24.5	M40x2	45.5	M40x2	155	550	1400
20	3/4"	3/4" NPT	U00MDFSFNF	U00FDFSFNF	97	115	41	50	41	27.05	M45x2	49.75	M45x2	165	550	1250
		1" NPT	U00MDFSFNF	U00FDFSFNF	97	115	41	50	41	27.05	M45x2	49.75	M45x2	165	550	1250
25	1"	1" NPT	U00MEFSFNF	U00FEFSFNF	110	190	41	55	46	30.0	M50x2	54.50	M50x2	188	500	1200

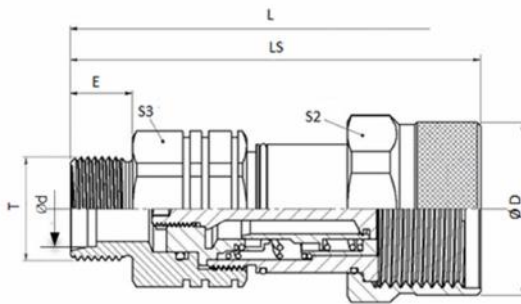
NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications

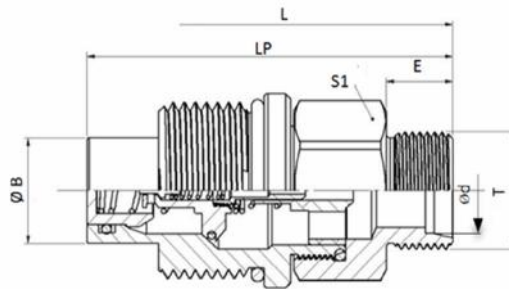
Do not use for Inspection.

Brochure Reference: - FLAT FACE SCREW SERIES

ISO-16028 FLAT FACE SCREW SERIES (BSP/NPT/METRIC)



Socket



Plug

DN	Size		Thread Type T	Socket Part No.	Specifications											
					Tube OD d	LP	LS	S1	S2	S3	Dia B	Dia D	E	L	Max Op. Pressure	Minimu m Burst Pressur e
6.3	1/4"	1/4" BSP	U00MAFSMBA	U00FAFSMBA	--	55	62	22	36	27	12.2	26.5	12	106.2	550	1500
		1/4" NPT	U00MAFSMNA	U00FAFSMNA	--	55	62	22	36	27	12.2	26.5	12	106.2	550	1500
		M12x1.5 (6L)	U00MAFSMMDSL	U00FAFSMMDSL	6L	55	63	22	36	27	12.2	26.5	12	106.2	500	1500
		M14x1.5 (8L)	U00MAFSMMESL	LU00FAFSMMESL	8L	55	63	22	36	27	12.2	26.5	11	104.2	500	1500
10	3/8"	3/8" BSP	U00MBFSMBB	U00FBFSMBB	--	62.5	77.5	30	38	30	19.8	37.5	12	124.4	550	1400
		3/8" NPT	U00MBFSMNB	U00FBFSMNB	--	62.5	77.5	30	38	30	19.8	37.5	12	124.4	550	1400
		M14x1.5 (8L)	U00MBFSMMESL	U00FBFSMMESL	8L	61.5	76.5	30	38	30	19.8	37.5	12	122.2	550	1400
		M16x1.5 (10L)	U00MBFSMMFSL	U00FBFSMMFSL	10L	62.5	77.5	30	38	30	19.8	37.5	11	124.4	550	1400
		M18x1.5 (12L)	U00MBFSMMGSL	U00FBFSMMGSL	12L	62.5	77.5	30	38	30	19.8	37.5	12	124.4	550	1400
		M20x1.5 (12S)	U00MBFSMMHSS	U00FBFSMMHSS	12S	62.5	77.5	30	38	30	19.8	37.5	12	124.4	550	1400
12.5	1/2"	1/2" BSP	U00MCFSMBC	U00FCFSMBC	--	73	79.5	36	46	41	24.5	45.5	11	134.9	550	1400
		1/2" NPT	U00MCFSMNC	U00FCFSMNC	--	73	79.5	36	46	41	24.5	45.5	11	134.9	550	1400
		M14x1.5 (8L)	U00MCFSMMESL	U00FCFSMME	8L	73	79.5	36	46	41	24.5	45.5	11	134.9	550	1400
		M16x1.5 (10L)	U00MCFSMMFSL	U00FCFSMMFSL	10L	74	80.5	36	46	41	24.5	45.5	12	136.9	550	1400
		M18x1.5 (12L)	U00MCFSMMGSL	U00FCFSMMGSL	12L	74	80.5	36	46	41	24.5	45.5	12	136.9	550	1400
		M20x1.5 (12S)	U00MCFSMMHSS	U00FCFSMMHSS	15S	74	80.5	36	46	41	24.5	45.5	12	136.9	550	1400
		M22x1.5 (15L)	U00MCFSMMKSL	U00FCFSMMKSL	15L	74	80.5	36	46	41	24.5	45.5	12	136.9	550	1400
		M24x1.5 (16L)	U00MCFSMMISL	U00FCFSMMISL	16L	74	80.5	36	46	41	24.5	45.5	12	136.9	500	1400
20	3/4"	3/4" BSP	U00MDFSMBF	U00FDFSMBE	--	74	83.1	41	50	41	27.05	49.75	12	139.5	550	1250
		3/4" NPT	U00MDFS MNF	U00FDFS MNE	--	74	83.1	41	50	41	27.05	49.75	12	139.5	550	1250
		M18x1.5 (12L)	U00MDFSMMGSL	U00FDFSMMGSL	12L	74	83.1	41	50	41	27.05	49.75	12	139.5	550	1250
		M22x1.5 (15L)	U00MDFSMMKSL	U00FDFSMMKSL	15L	74	83.1	41	50	41	27.05	49.75	12	139.5	550	1250
		M26x1.5 (18L)	U00MDFSMMLSL	U00FDFSMMLSL	18L	80	83.1	41	50	41	27.05	49.75	12	139.5	550	1250
		M30x2 (22L)	U00MDFSMMNSL	U00FDFSMMNSL	22L	74	89.1	41	50	41	27.05	49.75	18	151.5	550	1250
		M24x1.	U00MDFSMMISS	U00FDFSMMISS	16S	74	83.1	41	50	41	27.05	49.75	12	139.5	550	1250

		5(16S)														
25	1"	1" BSP	U00MEFSMBF	U00FEFSMBF	--	82	92	41	55	46	30.0	54.50	12	152.5	500	1200
		1" NPT	U00MEFSMNF	U00FEFSMNF	--	82	92	41	55	46	30.0	54.50	12	152.5	500	1200
		M26x1.5 (10L)	U00MEFSMMLSL	U00FEFSMMLSL	10L	82	92	41	55	46	30.0	54.50	12	152.5	500	1200
		M30x2 (22L)	U00MEFSMMNSL	U00FEFSMMNSL	22L	88	98	41	55	46	30.0	54.50	18	164.2	500	1200
		M36x2 (28L)	U00MEFSMMSSL	U00FEFSMMSSL	28L	86	98	41	55	46	30.0	54.50	18	157.2	500	1200
		M42x2 (30S)	U00MEFSMMTSS	U00FEFSMMTSS	30S	81	92	46	55	46	30.0	54.50	18	155.2	500	1200
		M45x2 (35L)	U00MEFSMMUSL	U00FEFSMMUSL	35L	81	99	46	55	46	30.0	54.50	16	157.2	500	1200
		M52x2 (42L)	U00MEFSMMWSL	U00FEFSMMWSL	42L	81	94	55	55	55	30.0	54.50	20	153.2	500	1200

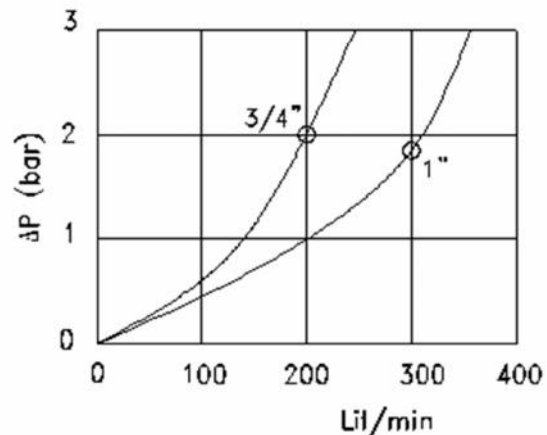
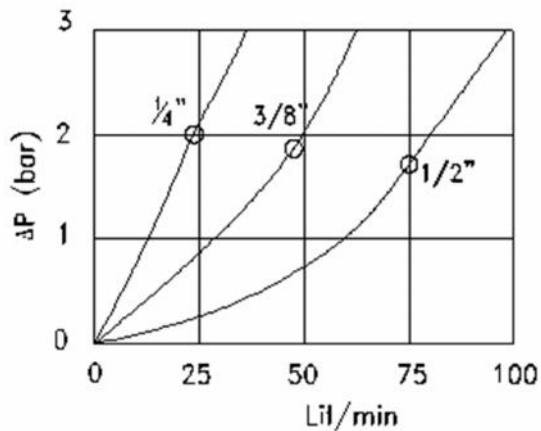
NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications
Do not use for Inspection.

Brochure Reference: - FLAT FACE SCREW SERIES

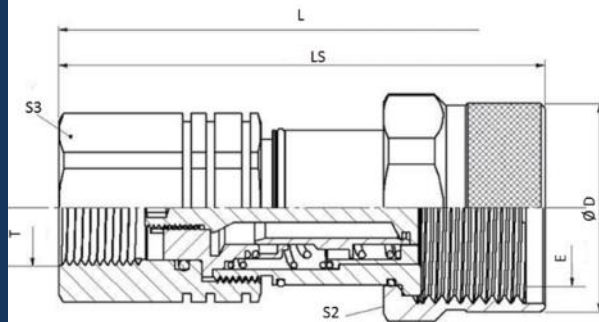
FEATURES

- 1) Connection System: By screwing together the two parts.
- 2) Disconnection System: By unscrewing together the two parts.
- 3) Shut-off System: Flat Face Valve
- 4) Connectable: under Residual Pressure
- 5) Materials:
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade II
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Black Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.

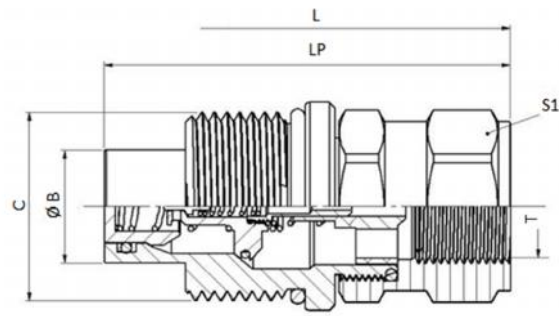


DIFFERENTIAL PRESSURE Vs LPM SCREW FLAT FACE COUPLING

ISO-16028 FLAT FACE SCREW SERIES (BSP/NPT)



Socket



Plug

BSP Series

DN	Size	Thread Type T	Plug Part No.	Socket Part No.	Specifications											
					LP	LS	S1	S2	S3	Dia B	C	Dia D	E	L	Max OP. Pressure	Min. Burst Pressure
6.3	1/4"	1/4" BSP	U00MAFSFBAN	U00FAFSFBAN	75	55	22	36	27	12.2	M30x2	26.5	M30x2	110	550	1500
10	3/8"	3/8" BSP	U00MBFSFBBN	U00FBFSFBBN	73	96	30	38	30	19.8	M33x2	37.5	M33x2	129	550	1400
		1/2" BSP	U00MBFSFBCN	U00FBFSFBCN	73	96	30	38	30	19.8	M33x2	37.5	M33x2	129	550	1400
12.5	1/2"	1/2" BSP	U00MCFSFBCN	U00FCFSFBCN	85	109	36	46	41	24.5	M40x3	45.5	M40x3	155	550	1400
		3/4" BSP	U00MCFSFBN	U00FCFSFBN	85	109	36	46	41	24.5	M40x3	45.5	M40x3	155	550	1400
20	3/4"	3/4" BSP	U00MDFSFBN	U00FDFSFBEN	97	115	41	50	41	27.05	M45x3	49.75	M45x3	165	550	1250
		1" BSP	U00MDFSFBN	U00FDFSFBEN	97	115	41	50	41	27.05	M45x3	49.75	M45x3	165	550	1250
25	1"	1" BSP	U00MEFSFBN	U00FEFSFBN	110	190	41	55	46	30.0	M50x3	54.50	M50x3	188	500	1200

NPT Series

DN	Size	Thread Type T	Plug Part No.	Socket Part No.	Specifications											
					LP	LS	S1	S2	S3	Dia B	C	Dia D	E	L	Max Op. Pressure	Minimum Burst Pr
6.3	1/4"	1/4" NPT	U00MAFSFNAN	U00FAFSFNAN	75	55	22	36	27	12.2	M30x2	26.5	M30x2	110	550	1500
10	3/8"	3/8" NPT	U00MBFSFNBN	U00FBFSFNBN	73	96	30	38	30	19.8	M33x2	37.5	M33x2	129	550	1400
		1/2" NPT	U00MBFSFNBN	U00FBFSFNBN	73	96	30	38	30	19.8	M33x2	37.5	M33x2	129	550	1400
12.5	1/2"	1/2" NPT	U00MCFSFNCN	U00FCFSFNCN	85	109	36	46	41	24.5	M40x2	45.5	M40x2	155	550	1400
		3/4" NPT	U00MCFSFNEN	U00FCFSFNEN	85	109	36	46	41	24.5	M40x2	45.5	M40x2	155	550	1400
20	3/4"	3/4" NPT	U00MDFSFNFN	U00FDFSFNFN	97	115	41	50	41	27.05	M45x2	49.75	M45x2	165	550	1250
		1" NPT	U00MDFSFNFN	U00FDFSFNFN	97	115	41	50	41	27.05	M45x2	49.75	M45x2	165	550	1250
25	1"	1" NPT	U00MEFSFNFN	U00FEFSFNFN	110	190	41	55	46	30.0	M50x2	54.50	M50x2	188	500	1200

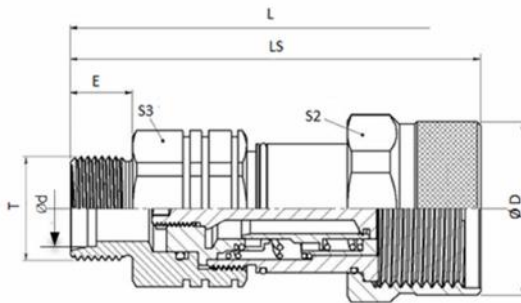
NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications

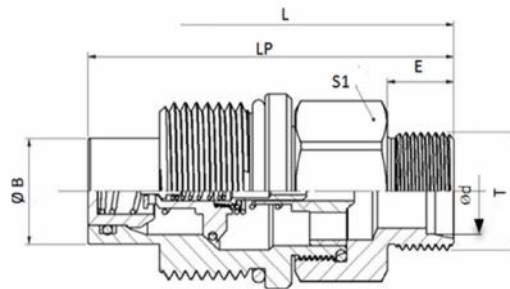
Do not use for Inspection.

Brochure Reference: - FLAT FACE SCREW SERIES

ISO-16028 FLAT FACE SCREW SERIES (BSP/NPT/METRIC)



Socket



Plug

DN	Size		Thread Type T	Socket Part No.	Specifications											
					Tube OD d	LP	LS	S1	S2	S3	Dia B	Dia D	E	L	Max Op. Pressure	Minimum Burst Pressure
6.3	1/4"	1/4" BSP	U00MAFSMBAN	U00FAFSMBAN	--	55	62	22	36	27	12.2	26.5	12	106.2	550	1500
		1/4" NPT	U00MAFSMNAN	U00FAFSMNAN	--	55	62	22	36	27	12.2	26.5	12	106.2	550	1500
		M12x1.5 (6L)	U00MAFSMMDSL	U00FAFSMMDSL	6L	55	63	22	36	27	12.2	26.5	12	106.2	500	1500
		M14x1.5 (8L)	U00MAFSMMESL	LU00FAFSMMESL	8L	55	63	22	36	27	12.2	26.5	11	104.2	500	1500
10	3/8"	3/8" BSP	U00MBFSMBBN	U00FBFSMBBN	--	62.5	77.5	30	38	30	19.8	37.5	12	124.4	550	1400
		3/8" NPT	U00MBFSMNBN	U00FBFSMNBN	--	62.5	77.5	30	38	30	19.8	37.5	12	124.4	550	1400
		M14x1.5 (8L)	U00MBFSMMESL	U00FBFSMMESL	8L	61.5	76.5	30	38	30	19.8	37.5	12	122.2	550	1400
		M16x1.5 (10L)	U00MBFSMMFSL	U00FBFSMMFSL	10L	62.5	77.5	30	38	30	19.8	37.5	11	124.4	550	1400
		M18x1.5 (12L)	U00MBFSMMGSL	U00FBFSMMGSL	12L	62.5	77.5	30	38	30	19.8	37.5	12	124.4	550	1400
		M20x1.5 (12S)	U00MBFSMMHSS	U00FBFSMMHSS	12S	62.5	77.5	30	38	30	19.8	37.5	12	124.4	550	1400
12.5	1/2"	1/2" BSP	U00MCFSMBCN	U00FCFSMBC-N	--	73	79.5	36	46	41	24.5	45.5	11	134.9	550	1400
		1/2" NPT	U00MCFSMNCN	U00FCFSMNC-N	--	73	79.5	36	46	41	24.5	45.5	11	134.9	550	1400
		M14x1.5 (8L)	U00MCFSMMESL	U00FCFSMME-N	8L	73	79.5	36	46	41	24.5	45.5	11	134.9	550	1400
		M16x1.5 (10L)	U00MCFSMMFSL	U00FCFSMMFSL	10L	74	80.5	36	46	41	24.5	45.5	12	136.9	550	1400
		M18x1.5 (12L)	U00MCFSMMGSL	U00FCFSMMGSL	12L	74	80.5	36	46	41	24.5	45.5	12	136.9	550	1400
		M20x1.5 (12S)	U00MCFSMMHSS	U00FCFSMMHSS	15S	74	80.5	36	46	41	24.5	45.5	12	136.9	550	1400
		M22x1.5 (15L)	U00MCFSMMKSL	U00FCFSMMKSL	15L	74	80.5	36	46	41	24.5	45.5	12	136.9	550	1400
		M24x1.5 (16L)	U00MCFSMMLSL	U00FCFSMMLSL	16L	74	80.5	36	46	41	24.5	45.5	12	136.9	500	1400
20	3/4"	3/4" BSP	U00MDFSMBFN	U00FDFSMBEN	--	74	83.1	41	50	41	27.05	49.75	12	139.5	550	1250
		3/4" NPT	U00MDFSMBFN	U00FDFSMBEN	--	74	83.1	41	50	41	27.05	49.75	12	139.5	550	1250
		M18x1.5 (12L)	U00MDFSMMGSL	U00FDFSMMGSL	12L	74	83.1	41	50	41	27.05	49.75	12	139.5	550	1250
		M22x1.5 (15L)	U00MDFSMMKSL	U00FDFSMMKSL	15L	74	83.1	41	50	41	27.05	49.75	12	139.5	550	1250
		M26x1.5 (18L)	U00MDFSMMMLSL	U00FDFSMMMLSL	18L	80	83.1	41	50	41	27.05	49.75	12	139.5	550	1250
		M30x2 (22L)	U00MDFSMMNSL	U00FDFSMMNSL	22L	74	89.1	41	50	41	27.05	49.75	18	151.5	550	1250
		M24x1.5(16S)	U00MDFSMMISS	U00FDFSMMISS	16S	74	83.1	41	50	41	27.05	49.75	12	139.5	550	1250

25	1"	1" BSP	U00MEFSMBFN	U00FEFSMBFN	--	82	92	41	55	46	30.0	54.50	12	152.5	500	1200
		1" NPT	U00MEFSMNFN	U00FEFSMNFN	--	82	92	41	55	46	30.0	54.50	12	152.5	500	1200
		M26x1.5 (10L)	U00MEFSMMLSLN	U00FEFSMMLSLN	10L	82	92	41	55	46	30.0	54.50	12	152.5	500	1200
		M30x2 (22L)	U00MEFSMMNSLN	U00FEFSMMNSLN	22L	88	98	41	55	46	30.0	54.50	18	164.2	500	1200
		M36x2 (28L)	U00MEFSMMSSLN	U00FEFSMMSSLN	28L	86	98	41	55	46	30.0	54.50	18	157.2	500	1200
		M42x2 (30S)	U00MEFSMMTSSN	U00FEFSMMTSSN	30S	81	92	46	55	46	30.0	54.50	18	155.2	500	1200
		M45x2 (35L)	U00MEFSMMUSLN	U00FEFSMMUSLN	35L	81	99	46	55	46	30.0	54.50	16	157.2	500	1200
		M52x2 (42L)	U00MEFSMMWSLN	U00FEFSMMWSLN	42L	81	94	55	55	55	30.0	54.50	20	153.2	500	1200

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

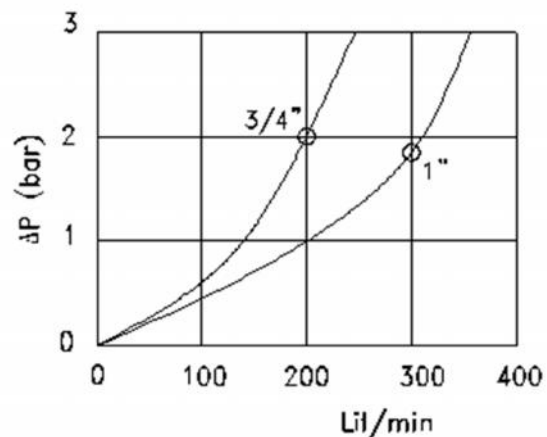
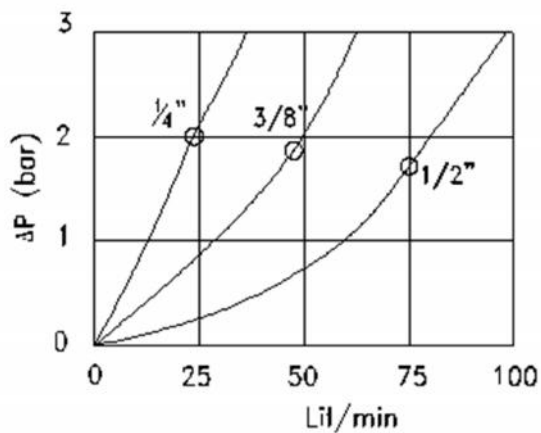
These dimensions are for reference only and are subject to change as per design modifications

Do not use for Inspection.

Brochure Reference: - FLAT FACE SCREW SERIES

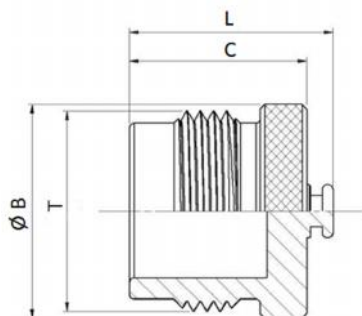
FEATURES

- 1) Connection System: By screwing together the two parts.
- 2) Disconnection System: By unscrewing together the two parts.
- 3) Shut-off System: Flat Face Valve
- 4) Connectable: under Residual Pressure
- 5) Materials:
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade II
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Nickel Plating.
- 7) Designed to achieve higher flow rates @ lower pressure drops.



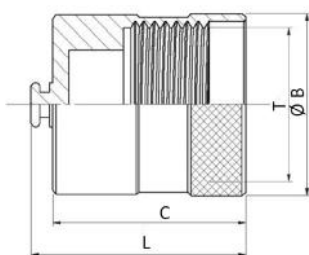
DIFFERENTIAL PRESSURE Vs LPM SCREW FLAT FACE COUPLING

ISO-16028 FLAT FACE SCREW SERIES DUST PLUG



DN	Size	Thread Type T	Specifications		
			DIA B	C	L
6.3	1/4"	M30x2	35	30	36
10	3/8"	M33x2	38	32	38
12.5	1/2"	M40x3	46	35	41
20	3/4"	M45x3	50	39	45
25	1"	M50x3	55	50	56

ISO-16028 FLAT FACE SCREW SERIES DUST CAP



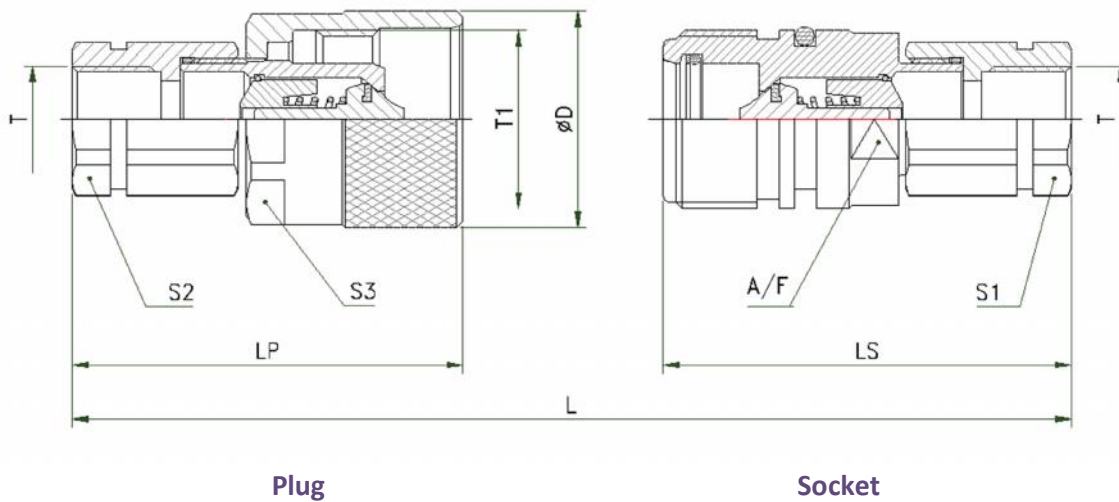
DN	Size	Thread Type T	Specifications		
			DIA B	C	L
6.3	1/4"	M30x2	35	45	61
10	3/8"	M33x2	38	50	56
12.5	1/2"	M40x3	46	52	58
20	3/4"	M45x3	50	55	61
25	1"	M50x3	55	65	71

Note :

Dust Plug & Dust Cap may give different colour given below

- Red
- Blue
- Yellow
- Green
- Black

ISO-14541 SCREW COUPLING POPPET TYPE



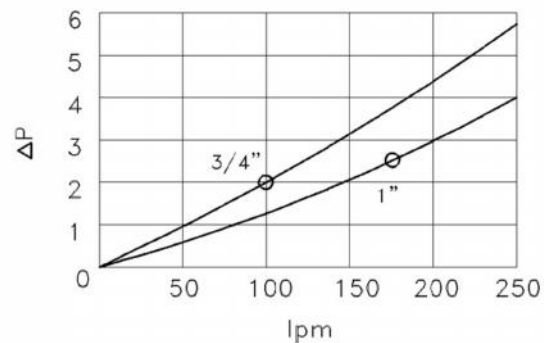
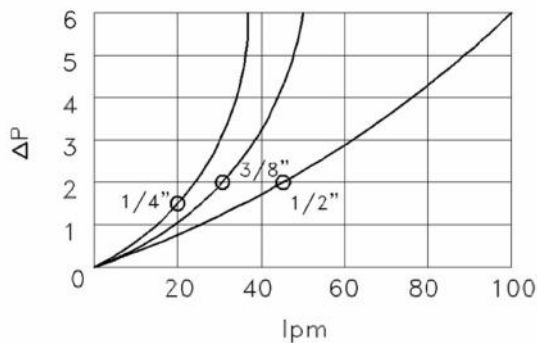
DN	Size	Plug Part No.	Socket Part No.	Specifications									
				LP	LS	S1	S2	S3	A/F	Dia D	L	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	U00MASFBA	U00FASFBA	59.3	60	19	19	30	19	34	94	350	1400
10	3/8"	U00MBSFBB	U00FBSFBB	61.2	64	22	22	30	24	34	98	300	1200
12.5	1/2"	U00MCSFBC	U00FCSFBC	67.5	70	27	27	36	27	41.8	109	300	1200
20	3/4"	U00MDSFBE	U00FDSFBE	80	86	36	36	41	36	48	135	250	1000
25	1"	U00MESFBF	U00FESFBF	89.5	105	41	41	55	41	60	160	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.
 These dimensions are for reference only and are subject to change as per design modifications
 Do not use for Inspection.

Brochure Reference: - SCREW POPPET TYPE SERIES

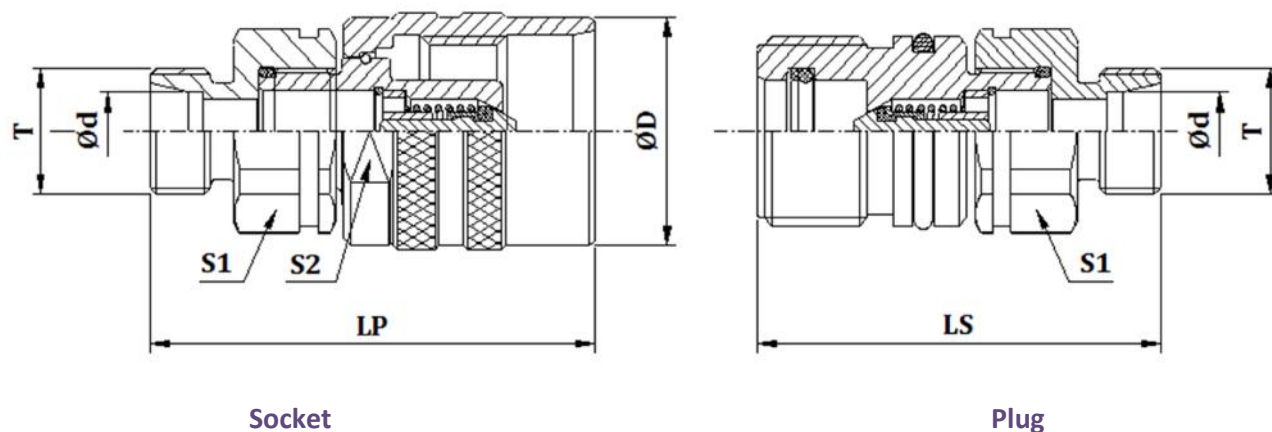
FEATURES

- 1) Connection System: By screwing together the two parts.
- 2) Disconnection System: By unscrewing the two parts.
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Under Residual Pressure.
- 5) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.



DIFFERENTIAL PRESSURE v/s LPM FOR SCREW COUPLINGS

ISO-14541 SCREW COUPLING POPPET TYPE (METRIC ENDS)



DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications							
					Tube OD d	LP	LS	S1	S2	D	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	M12x1.5 (6L)	U00MASMMDL	U00FASMMDL	6L	50	60	19	30	34	350	1400
		M14x1.5 (8L)	U00MASMMEL	U00FASMMEL	8L	51	60	19	30	34		
10	3/8"	M14x1.5 (8L)	U00MBSMMEL	U00FBSMMEL	8L	58	63	22	30	34	300	1200
		M16x1.5 (10L)	U00MBSMMFL	U00FBSMMFL	10L	60	65	22	30	34		
		M18x1.5 (12L)	U00MBSMMGL	U00FBSMMGL	12L	62	65	22	30	34		
		M16x1.5 (8S)	U00MBSMMFS	U00FBSMMFS	8S	61	66	22	30	34		
		M18x1.5 (10S)	U00MBSMMGS	U00FBSMMGS	10S	63	68	22	30	34		
		M20x1.5 (12S)	U00MBSMMHS	U00FBSMMHS	12S	65	70	22	30	34		
12.5	1/2"	M14x1.5 (8L)	U00MCSMMEL	U00FCSMMEL	8L	63	66	27	36	41.8	300	1200
		M16x1.5 (10L)	U00MCSMMFL	U00FCSMMFL	10L	63	67	27	36	41.8		
		M18x1.5 (12L)	U00MCSMMGL	U00FCSMMGL	12L	64	69	27	36	41.8		
		M22x1.5 (15L)	U00MCSMMKL	U00FCSMMKL	15L	66	70	27	36	41.8		
		M26x1.5 (18L)	U00MCSMMLL	U00FCSMMLL	18L	70	72	27	36	41.8		
		M18x1.5 (10S)	U00MCSMMGS	U00FCSMMGS	10S	66	71	27	36	41.8		
		M20x1.5 (12S)	U00MCSMMHS	U00FCSMMHS	12S	67	73	27	36	41.8		
		M22x1.5 (14S)	U00MCSMMKS	U00FCSMMKS	14S	68	74	27	36	41.8		
		M24x1.5 (16S)	U00MCSMMIS	U00FCSMMIS	16S	71	74	27	36	41.8		

20	3/4"	M18x1.5 (12L)	U00MDSMMGL	U00FDSMMGL	12L	72	78	36	41	48	250	1000
		M22x1.5 (15L)	U00MDSMMKL	U00FDSMMKL	15L	74	80	36	41	48		
		M26x1.5 (18L)	U00MDSMMLL	U00FDSMMLL	18L	75	81	36	41	48	250	1000
		M30x2 (22L)	U00MDSMMNL	U00FDSMMNL	22L	78	83	36	41	48		
		M22x1.5 (14S)	U00MDSMMKS	U00MDSMMKS	14S	74	81	36	41	48		
		M24x1.5 (16S)	U00MDSMMIS	U00MDSMMIS	16S	76	81	36	41	48		
		M30x2 (20S)	U00MDSMMNS	U00MDSMMNS	20S	77	84	36	41	48		
25	1"	M26x1.5 (18L)	U00MESMMLL	U00FESMMLL	18L	76	82	41	55	60	250	1000
		M30x2 (22L)	U00MESMMNL	U00FESMMNL	22L	77	84	41	55	60		
		M36x2 (28L)	U00MESMMRL	U00FESMMRL	28L	78	85	41	55	60		
		M45x2 (35L)	U00MESMMTL	U00FESMMTL	35L	80	87	41	55	60		
		M30x2 (20S)	U00MESMMNS	U00FESMMNS	20S	78	85	41	55	60		
		M36x2 (25S)	U00MESMMRS	U00FESMMRS	25S	80	86	41	55	60		
		M42x2 (30S)	U00MESMMTS	U00FESMMTS	30S	82	88	41	55	60		
		M52x2 (38S)	U00MESMMUS	U00FESMMUS	38S	83	90	41	55	60		

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications
Do not use for Inspection.

Brochure Reference: - SCREW POPPET TYPE SERIES

DUST CAPS AND PLUGS FOR ISO 14541 SCREW COUPLINGS



Material: Aluminum

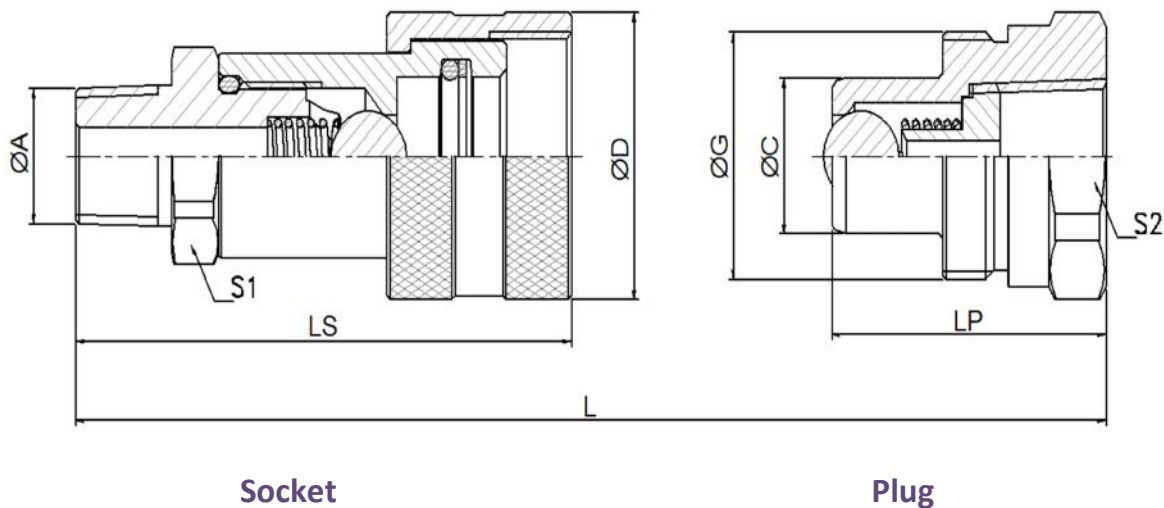
Size	1/4"	3/8"	1/2"	3/4"	1"
Dust Plug Part no.	U87FASM-AL	U87FBSM-AL	U87FCSM-AL	U87FDSM-AL	U87FESM-AL
Dust Cap Part no.	U88MASM-AL	U88MBSM-AL	U88MCSM-AL	U88MDSM-AL	U88MESM-AL



Material: PVC (Available in Red Colour)

Size	1/4"	3/8"	1/2"	3/4"	1"
Dust Plug Part no.	U87FASM-RE	U87FBSM-RE	U87FCSM-RE	U87FDSM-RE	U87FESM-RE
Dust Cap Part no.	U88MASM-RE	U88MBSM-RE	U88MCSM-RE	U88MDSM-RE	U88MESM-RE

ISO-14540 HIGH PRESSURE SCREW COUPLING (BALL TYPE)



Socket

Plug

DN	Size (inch)	Thread Type Dia A	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia C	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" NPT	U00MAJBFNA	U00FAJBFNA	39	60	19	27	30	81	19	720	2160
10	3/8"	3/8" NPT	U00MBJBFNB	U00FBJBFNB	39	73.5	24	32	35	87	19	720	2160

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

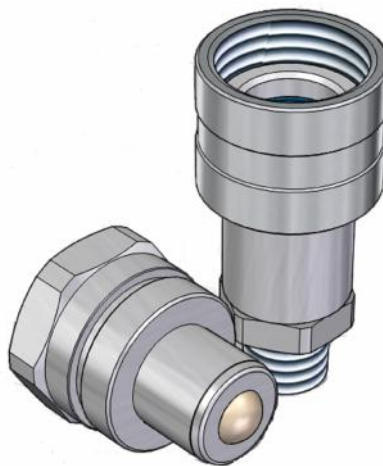
These dimensions are for reference only and are subject to change as per design modifications.

Do not use for inspection.

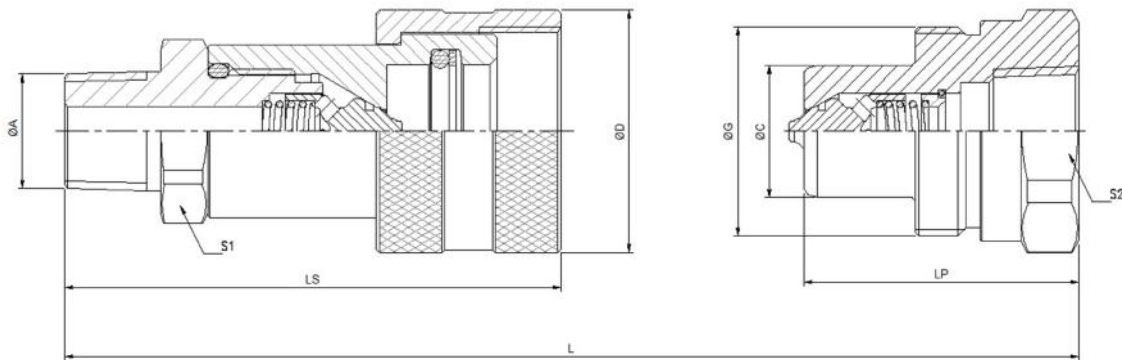
Brochure Reference: - SCREW JACK BALL TYPE SERIES

FEATURES

- 1) Connection System: By screwing together the two parts
- 2) Disconnection System: By unscrewing the two parts
- 3) Shut-off System: Ball Valve
- 4) Connectable: Under Residual Pressure
- 5) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.



ISO-14540 HIGH PRESSURE SCREW COUPLING (POPPET TYPE)



Socket

Plug

DN	Size (inch)	Thread Type Dia A	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia C	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" NPT	U00MAJFNA	U00FAJFNA	40	60	19	27	30	81	19	720	2160
10	3/8"	3/8" NPT	U00MBJFNB	U00FBJFNB	40	73.5	24	32	35	87	19	720	2160

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications

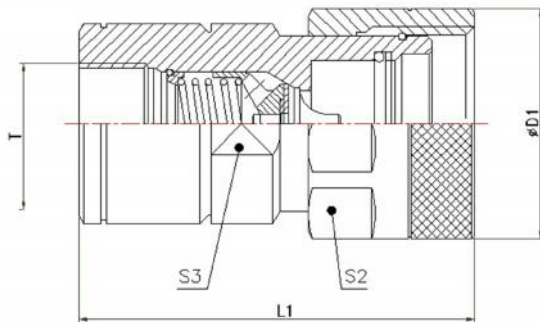
Do not use for Inspection.

Brochure Reference: - SCREW JACK POPPET TYPE SERIES

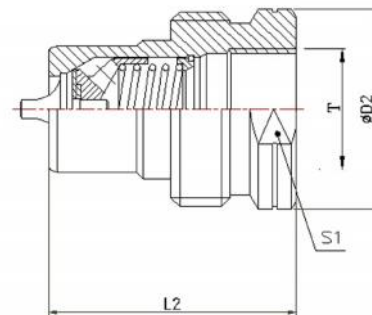
FEATURES

- 1) Connection System: By screwing together the two parts
- 2) Disconnection System: By unscrewing the two parts
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Under Residual Pressure
- 5) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.

HIGH PRESSURE SCREW COUPLING (HPSC) SERIES



Socket



Plug

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications									
					L1	L2	S1	S2	S3	DIA D1	DIA D2	L	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" BSP	U00MAHFBA	U00FAHFBA	59	36	19	19	19	40	30	72	950	3800
10	3/8"	3/8" BSP	U00MBHFBB	U00FBHFBB	62	48	32	41	30	45	35	89.5	750	3000
12.5	1/2"	1/2" BSP	U00MCHFBC	U00FCHFBC	71	53	34	46	34	50	39.2	102	750	3000
20	3/4"	3/4" BSP	U00MDHFBE	U00FDHFBE	88	63	46	51	41	55	50	121.8	650	2600
25	1"	1" BSP	U00MEHFBF	U00FEHFBF	100	72.1	50	55	50	60	55	138.4	450	1800
31.5	1 1/4"	1 1/4" BSP	U00MFHFBG	U00FFHFBG	123	86.2	65	75	65	80	70	167.2	450	1800
40	1 1/2"	1 1/2" BSP	U00MGHFBH	U00FGHFBH	137.4	95.6	80	90	75	98	84	188.4	300	1200
50	2"	2" BSP	U00MHFBJ	U00FHFBJ	203.5	118	71	71	71	110	90	237	300	1200

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

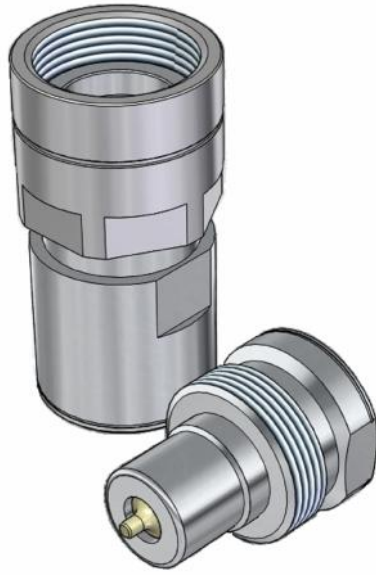
These dimensions are for reference only and are subject to change as per design modifications

Do not use for Inspection.

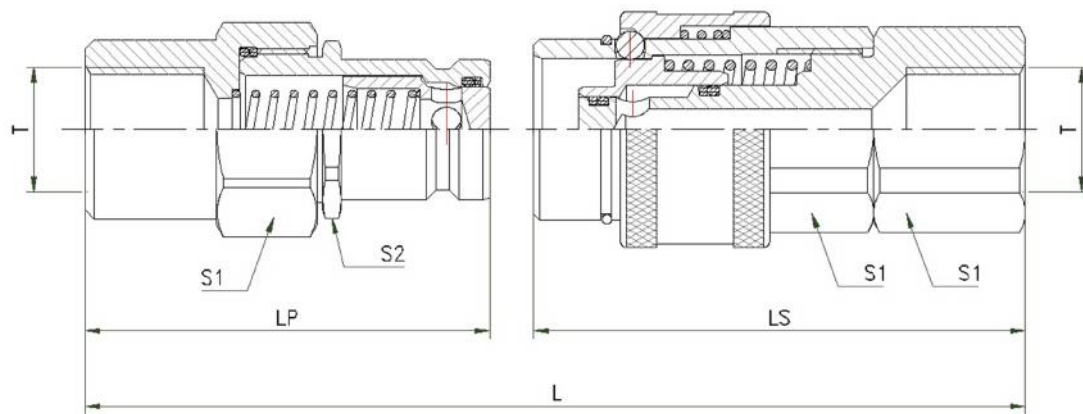
Brochure Reference: - HPSC SERIES

FEATURES

- 1) Connection System: By pulling back the sleeve.
- 2) Disconnection System: By pulling back the sleeve.
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS:4454 Grade III
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation
- 7) Designed to achieve higher flow rates @ lower pressure drops.



HIGH PRESSURE DV 700 COUPLINGS (Z SERIES)



PLUG

SOCKET

BSP SERIES

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications					
					LP	LS	S1	S2	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" BSP	U00MAZFBA	U00FAZFBA	52	65	22	22	700	2500
10	3/8"	3/8" BSP	U00MBZFBB	U00FBZFBB	55	70	27	27	700	2500
12.5	1/2"	1/2" BSP	U00MCZFBC	U00FCZFBC	62	80	32	32	700	2500
20	3/4"	3/4" BSP	U00MDZFBE	U00FDZFBE	68.5	87	41	41	700	2000
25	1"	1" BSP	U00MEZFBF	U00FEZFBF	75	100	45	45	700	2000

NPT SERIES

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications					
					LP	LS	S1	S2	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" BSP	U00MAZFNA	U00FAZFNA	52	65	22	22	700	2500
10	3/8"	3/8" BSP	U00MBZFNB	U00FBZFNB	55	70	27	27	700	2500
12.5	1/2"	1/2" BSP	U00MCZFNC	U00FCZFNC	62	80	32	32	700	2500
20	3/4"	3/4" BSP	U00MDZFNE	U00FDZFNE	68.5	87	41	41	700	2000
25	1"	1" BSP	U00MEZFNF	U00FEZFNF	75	100	45	45	700	2000

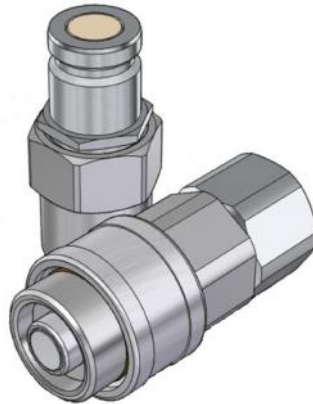
NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications
Do not use for Inspection.

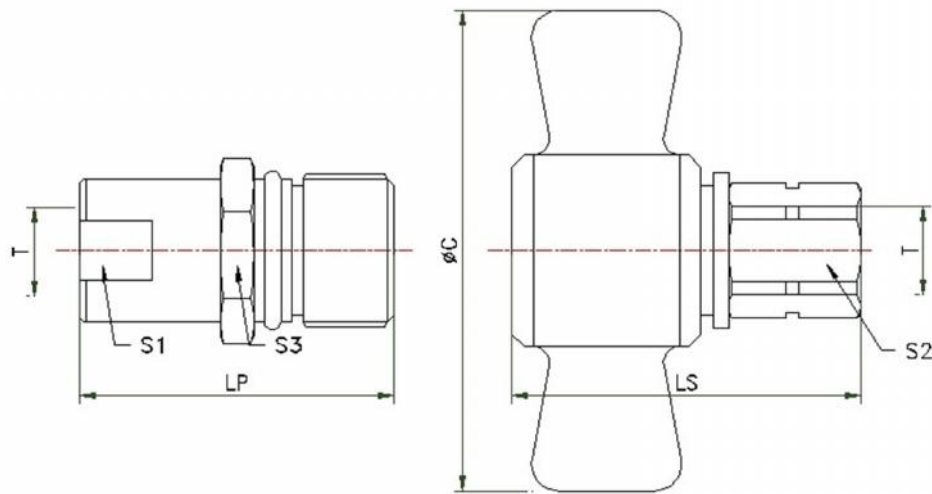
Brochure Reference: - DV 700 SERIES

FEATURES

- 1) Connection System: By pushing plug into the socket.
- 2) Disconnection System: By pulling back the sleeve.
- 3) Shut-off System: Flat Face Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS:4454 Grade III
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation
- 7) Designed to achieve higher flow rates @ lower pressure drops.



SCREW-TO-CONNECT WING NUT TYPE SERIES COUPLINGS



Plug

Socket

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications							
					C	LP	LS	S1	S2	S3	Max Operating Pressure	Min Burst Pressure
19	3/4"	3/4" BSP	U00MDWFB E	U00FDWFB E	105	79	75	33	40	55	200	800
25	1"	1" BSP	U00MEWFB F	U00FEWFB F	115	85	88	40	40	60	200	800
31.5	1-1/4"	1-1/4" BSP	U00MFWFB G	U00FFWFB G	132	95	100	45	45	65	190	750
40	1-1/2"	1-1/2" BSP	U00MGWFB H	U00FGWFB H	135	105	105	51	55	70	150	600

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

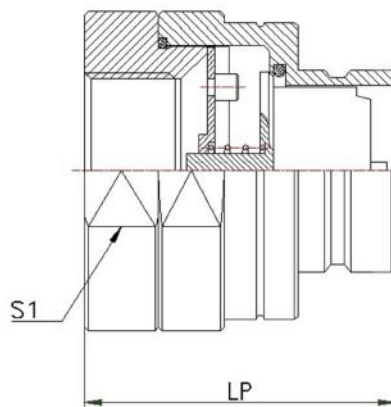
These dimensions are for reference only and are subject to change as per design modifications
Do not use for Inspection.

Brochure Reference: - SCREW TO CONNECT WING NUT TYPE SERIES

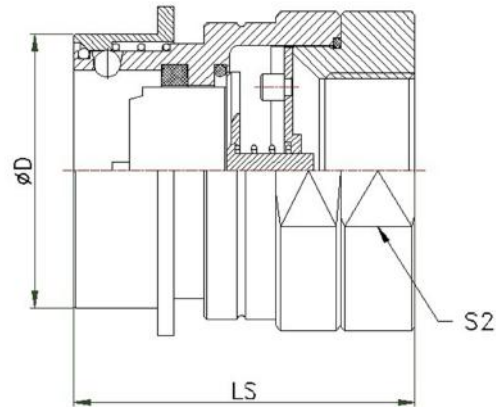
FEATURES

- 1) Connection System: By screwing together the two parts
- 2) Disconnection System: By unscrewing the two parts
- 3) Shut-off System: Ball Valve
- 4) Connectable: Under Residual Pressure
- 5) Materials
 - Body: Carbon Steel-
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
Designed to achieve higher flow rates @ lower pressure drops.

HIGH FLOW COUPLINGS



PLUG



SOCKET

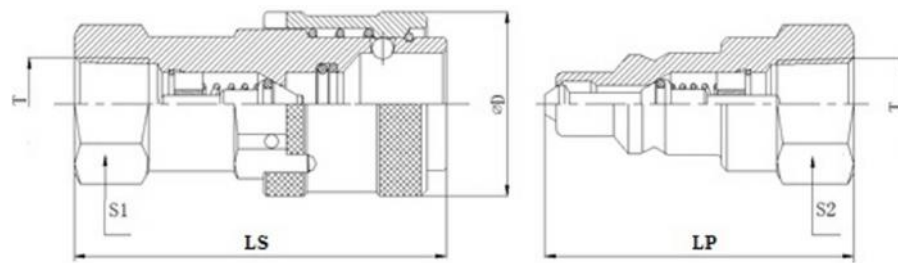
DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications						
					LP	LS	C	S1	S2	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" BSP	U00MAIFBA	U00FAIFBA	41	43	30	22	22	250	1000
10	3/8"	3/8" BSP	U00MBIFBB	U00FBIFBB	48	48	34	25	25	250	1000
12.5	1/2"	1/2" BSP	U00MCIFBC	U00FCIFBC	52	54	36	30	30	250	1000
20	3/4"	3/4" BSP	U00MDIFBE	U00FDIFBE	58	61	48	38	38	150	600
25	1"	1" BSP	U00MEIFBF	U00FEIFBF	60	68	56	48	48	100	400
31.5	1-1/4"	1-1/4" BSP	U00MFIFBG	U00FFIFBG	72	78	64	51	51	70	280
40	1-1/2"	1-1/2" BSP	U00MGIFBH	U00FGIFBH	76	85	74	70	70	70	280
50	2"	2" BSP	U00MHIFBI	U00FHIFBI	90	100	92	95	95	50	200
75	3"	3" BSP	U00MKIFBK	U00FKIFBK	110	120	138.4	120	120	50	200

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications
Do not use for Inspection.

Brochure Reference: - HIGH FLOW SERIES

HIGH PRESSURE COUPLINGS



SOCKET

PLUG

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications						
					LP	LS	D	S1	S2	Max Operating Pressure	Min Burst Pressure
10	3/8"	3/8" NPSF	UPTMBFSB	UPTFBFSB	47	63	32	24	24	700	2500

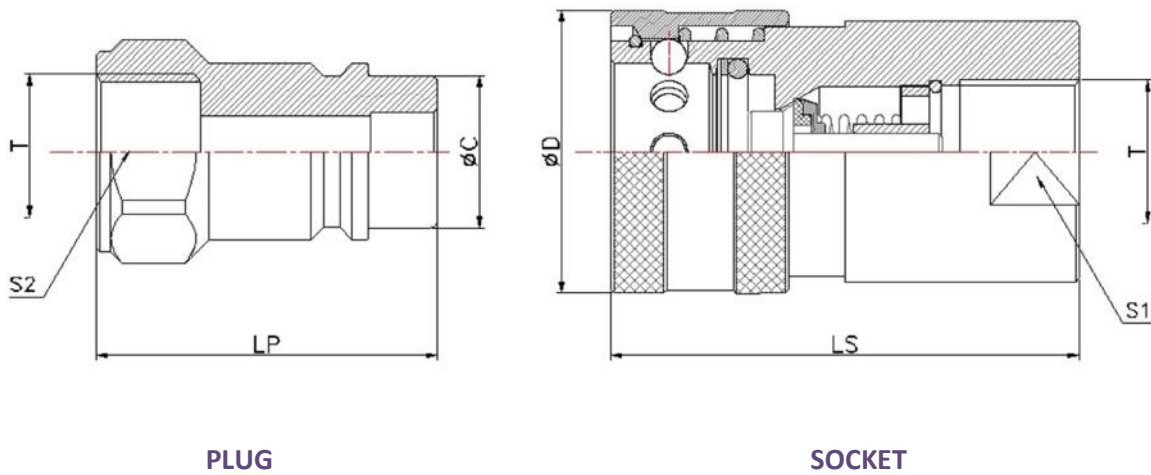
NOTE: The above given coupling series is equivalent to the Parker TC Series.

All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications

Do not use for Inspection.

SINGLE CHECK VALVE (SV-40) SERIES COUPLINGS



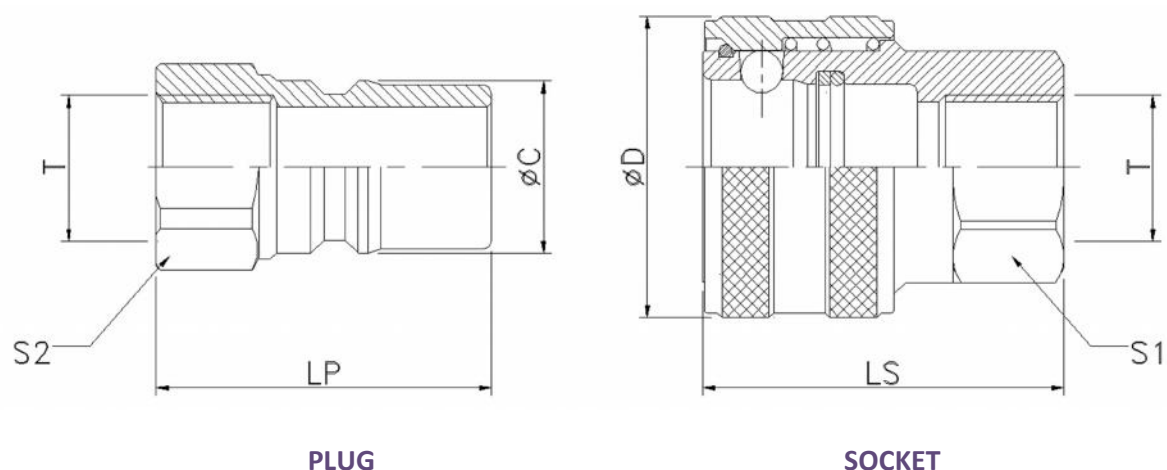
DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications							
					LP	LS	C	D	S1	S2	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" BSP	U00MAKFBA	U00FAKFBA	32	47	12	26	19	19	250	1000
10	3/8"	3/8" BSP	U00MBKFBB	U00FBKFBB	32	56	17	31	22	22	250	1000
12.5	1/2"	1/2" BSP	U00MCKFBC	U00FCKFBC	46	68	20.5	38	27	27	250	1000
20	3/4"	3/4" BSP	U00MDKFBE	U00FDKFBE	55	82	29	48	36	36	200	800
25	1"	1" BSP	U00MEKFBE	U00FEKFBE	59	91	34.5	54	41	41	200	800

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.
 These dimensions are for reference only and are subject to change as per design modifications
 Do not use for Inspection.

FEATURES

- 1) Connection System: By pulling back the sleeve.
- 2) Disconnection System: By pulling back the sleeve.
- 3) Shut-off System: Valve on Socket Side
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS:4454 Grade III
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation
- 7) Designed to achieve higher flow rates @ lower pressure drops.

STRAIGHT THROUGH (ST-40) SERIES COUPLINGS



DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications							
					LP	LS	C	D	S1	S2	Max Operating Pressure	Min Burst Pressure
6.3	1/4"	1/4" BSP	U00MATFBA	U00FATFBA	36.0	36.5	15.7	30.0	19	19	450	1800
10	3/8"	3/8" BSP	U00MBTFBB	U00FBTFBB	38.0	50.0	17.2	34.0	24	22	350	1400
12.5	1/2"	1/2" BSP	U00MCTFBC	U00FCTFBC	43.5	44.3	19.1	34.0	27	27	350	1400
20	3/4"	3/4" BSP	U00MDTFBE	U00FDTFBE	49.0	46.0	23.7	37.0	32	32	300	1200
25	1"	1" BSP	U00METFBF	U00FETFBF	55.0	63.0	29.1	37.0	38	38	300	1200
31.5	1-1/4"	1-1/4" BSP	U00MFTFBG	U00FFTFBG	58.0	54.0	44.0	63.0	55	50	200	800
40	1-1/2"	1-1/2" BSP	U00MGTFBH	U00FGTFBH	60.0	64.0	48.5	63.0	55	55	200	800
50	2"	2" BSP	U00MHTFBI	U00FHTFBI	67.0	65.5	52.0	78.0	70	70	180	720

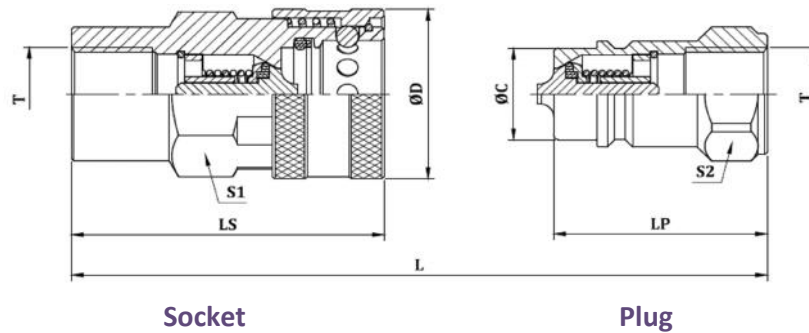
NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications

Do not use for Inspection.

Agri Catalogue

ISO-7241-A/ISO 5675 POPPET TYPE COUPLING (BSP/ NPT)



BSP Series

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia C	Max Operating Pr	Minimum Burst Pr
10	3/8"	3/8" BSP	U00MBAFBB	U00FBAFBB	38	56	27	22	31	76.4	17.2	315	1260
12.5	1/2"	1/2" BSP	U00MCAFBC	U00FCAFBC	45.9	67.2	32	27	38	91	20.5	250	1000
20	3/4"	3/4" BSP	U00MDAFBE	U00FDAFBE	55	82	38	36	48	109.4	29.1	250	1000

NPT Series

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia C	Max Operating Pr	Minimum Burst Pr
10	3/8"	3/8" NPT	U00MBAFNB	U00FBAFNB	38	56	27	22	31	76.4	17.2	315	1260
12.5	1/2"	1/2" NPT	U00MCAFNC	U00FCAFNC	45.9	67.2	32	27	38	91	20.5	250	1000
20	3/4"	3/4" NPT	U00MDAFNE	U00FDAFNE	55	82	38	36	48	109.4	29.1	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

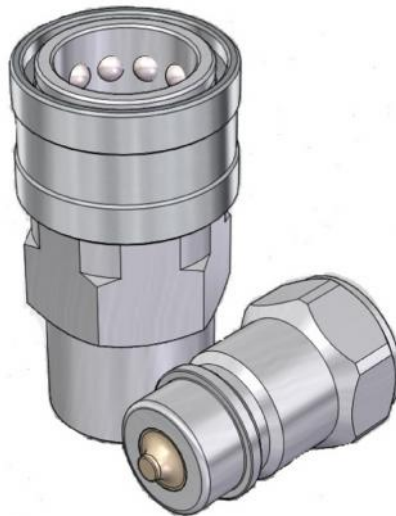
These dimensions are for reference only and are subject to change as per design modifications.

Do not use for Inspection.

Brochure Reference: - ISO A AGRI SERIES

FEATURES

- 1) Connection System: By pulling back the sleeve.
- 2) Disconnection System: By pulling back the sleeve.
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel-EN1A/EN8DM
 - Springs: Spring Steel as per IS:4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation
- 7) Designed to achieve higher flow rates @ lower pressure drops.



The image contains two technical cross-sectional drawings of mechanical components, labeled 'Socket' and 'Plug'.

Socket: This drawing shows a component with a central bore. Key dimensions include:

- ϕD : Outer diameter of the main body.
- L : Total length of the component.
- LS : Length of the central bore section.
- $S1$: A specific feature or step on the left side of the bore.
- H : Height of the top flange.

Plug: This drawing shows a component with a central bore. Key dimensions include:

- ϕC : Outer diameter of the main body.
- L_P : Length of the central bore section.
- $S2$: A specific feature or step on the right side of the bore.
- H : Height of the top flange.

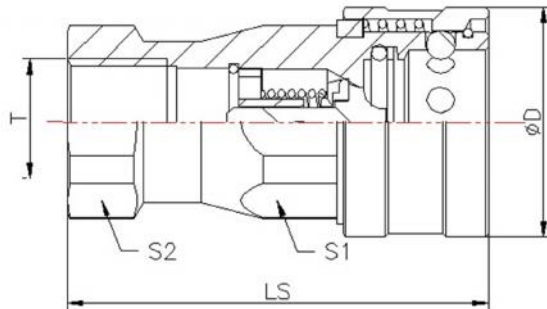
DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia C	Max Operating Pr	Minimum Burst Pr
12.5	1/2"	1/2" BSP	U00MCAFBC	U00FCAFBC-R	44	66	27	27	38	88.2	20.5	250	1000
12.5	1/2"	1/2" NPT	U00MCAFNC	U00FCAFNC-R	45.9	67.2	27	27	38	91.0	20.5	250	1000

Brochure Reference: - ISO A AGRI SERIES

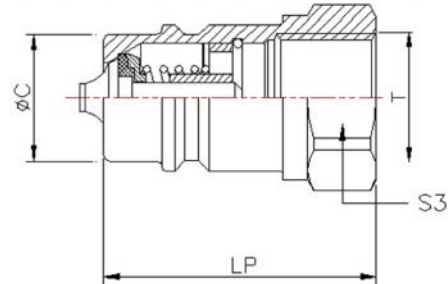
FEATURES

- 1) Connection System: By pulling back the sleeve.
- 2) Disconnection System: By pulling back the sleeve.
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel-EN1A/EN8DM
 - Springs: Spring Steel as per IS:4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation
- 7) Designed to achieve higher flow rates @ lower pressure drops.

ISO-7241-A/ISO 5675 POPPET TYPE COUPLING



Socket



Plug

Taper Socket Series

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia C	Max Operating Pr	Minimum Burst Pr
12.5	1/2"	1/2" BSP	U00MCAFBC	U00FCAFBC-T	44	69.5	27	27	38	89.2	20.5	250	1000
12.5	1/2"	1/2" NPT	U00MCAFNC	U00FCAFNC-T	45.9	71	27	27	38	94	20.5	250	1000

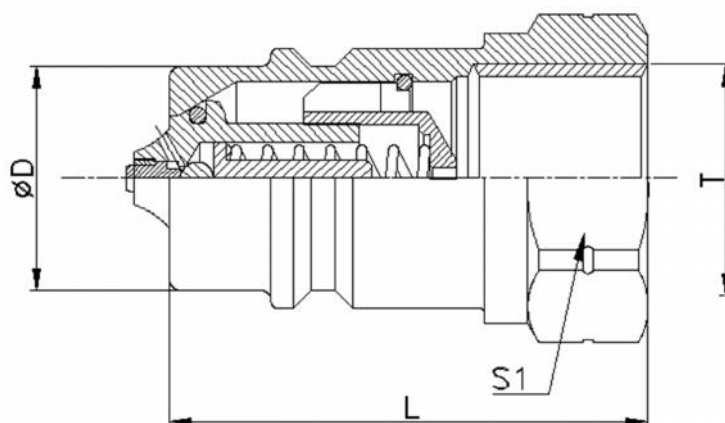
NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.
 These dimensions are for reference only and are subject to change as per design modifications.
 Do not use for Inspection.

Brochure Reference: - ISO A AGRI SERIES

FEATURES

- 1) Connection System: By pulling back the sleeve.
- 2) Disconnection System: By pulling back the sleeve.
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel-EN1A/EN8DM
 - Springs: Spring Steel as per IS:4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation
- 7) Designed to achieve higher flow rates @ lower pressure drops.

CONNECT UNDER PRESSURE ADAPTORS



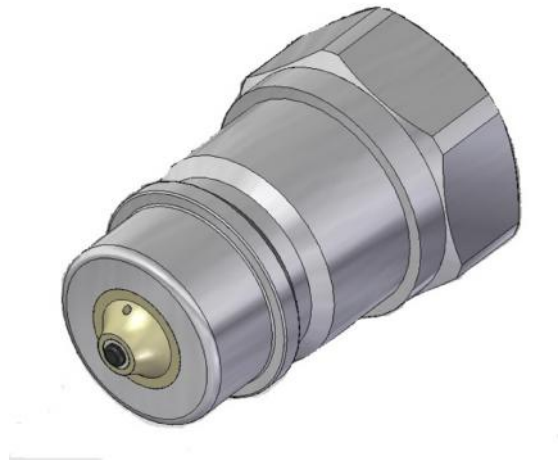
DN	Size	Thread Type	Part No.	Specifications				
				L	S1	Dia D	Max Operating Pr	Minimum Burst Pr
10	3/8"	3/8" BSP	U00MBCFBB	35	22	17.2	315	1260
12.5	1/2"	1/2" BSP	U00MCCFBC	44	27	20.5	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.
 These dimensions are for reference only and are subject to change as per design modifications.
 Do not use for Inspection.

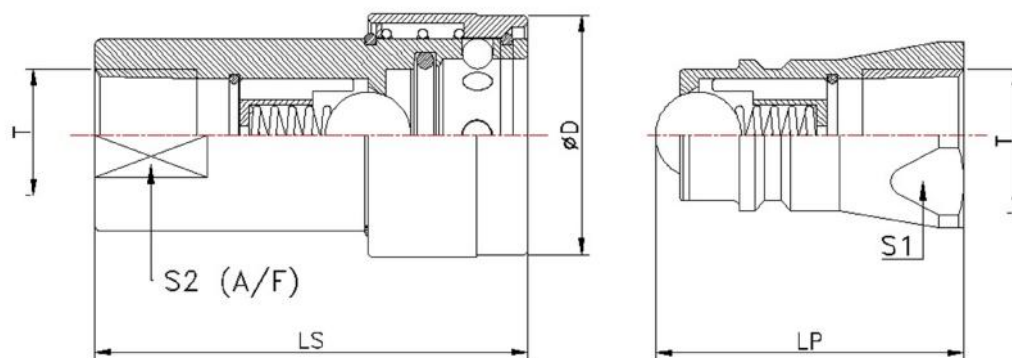
Brochure Reference: - CONNECT UNDER PRESSURE SERIES

FEATURES

- 1) Connection System: As per the Standard Coupling Connection.
- 2) Disconnection System: As per the Standard Coupling Connection.
- 3) Shut-off System: Poppet Valve
- 4) Connection: Under Residual Pressure On Male Part.
- 5) Materials
 - Body: Carbon Steel-EN1A/EN8DM
 - Springs: Spring Steel as per IS:4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation
- 7) Designed to achieve higher flow rates @ lower pressure drops.



ISO-5675 BALL TYPE COUPLING



Socket

Plug

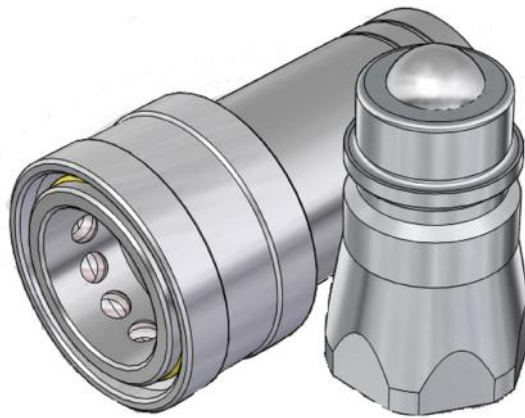
DN	Size	Plug Part No.	Socket Part No.	Specifications				
				LP	LS	Dia D	S1	S2
13	1/2"NPT	U00MCABFNC	U00FCABFNC	48.4	68	38	27	27

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.
 These dimensions are for reference only and are subject to change as per design modifications.
 Do not use for Inspection.

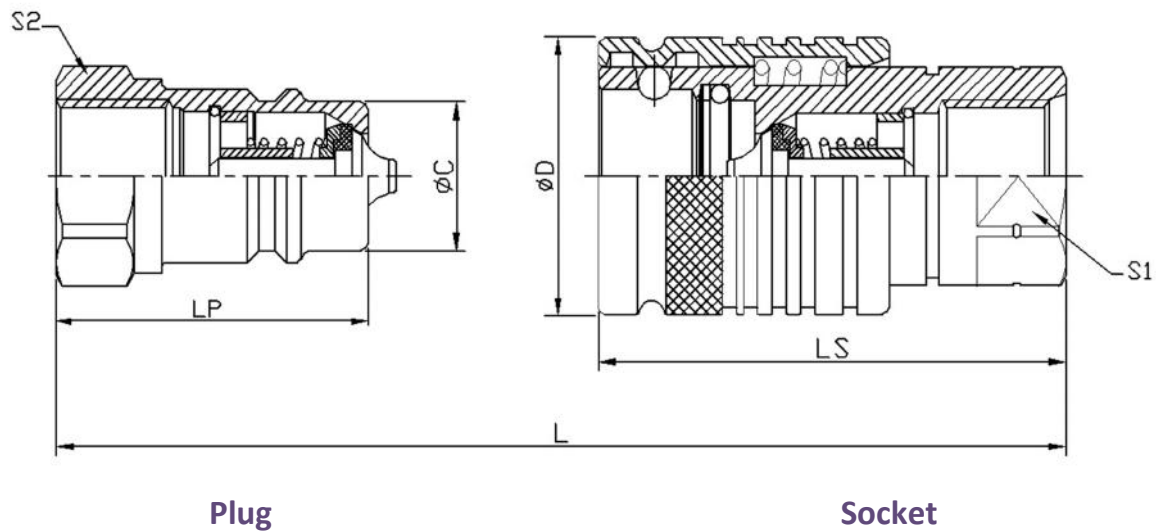
Brochure Reference: - ISO A AGRI SERIES

FEATURES

- 1) Connection System: By pulling back the sleeve.
- 2) Disconnection System: By pulling back the sleeve.
- 3) Shut-off System: Ball Valve
- 4) Connectable: Without Pressure
- 5) Materials:
 - Body: Carbon Steel-EN1A/EN8DM
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.



ISO-5675/7241-A PUSH-PULL COUPLING



DN	Size (inch)	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					LP	LS	S1	S2	Dia D	L	Dia C	Max Operating Pr	Minimum Burst Pr
10	3/8"	3/8" NPTF	U00MBPFNB	U00FBPFNB	40.6	58.7	24	20.6	33.3	-	45.5	250	1000
13	1/2"	1/2" NPTF	U00MCPFNC	U00FCPFNC	49.5	68	27	24	38	-	45.5	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

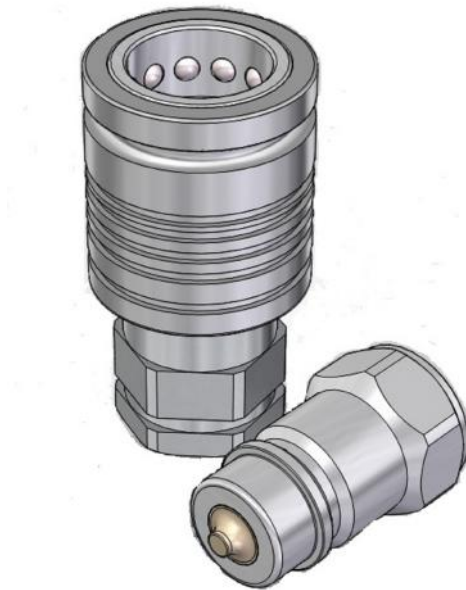
These dimensions are for reference only and are subject to change as per design modifications.

Do not use for Inspection.

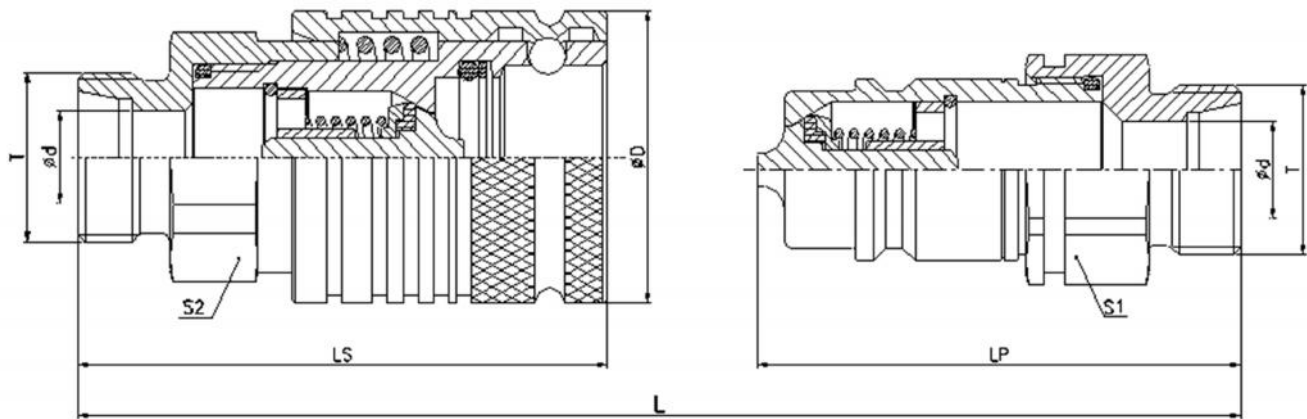
Brochure Reference: - PUSH PULL AGRI SERIES

FEATURES

- 1) Connection System: By pushing the male coupling
- 2) Disconnection System: By pulling the male part
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Without Pressure
- 5) Disconnection: Under Pressure not allowed
- 6) Materials
 - Body: Carbon Steel-EN1A/EN8DM
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 7) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 8) Designed to achieve higher flow rates @ lower pressure drops.



ISO-5675 PUSH-PULL COUPLING WITH MALE END CONNECTION



Socket

Plug

DN	Size (inch)	Thread Size	Plug Part No.	Socket Part No.	Specifications								
					TUBE OD (d)	L	LP	LS	Dia D	S1	S2	Max Operating Pr	Min Burst Pr
12.5	1/2"	M16x1.5(10L)	U00MCPMMFSL	U00FCPMMFSL	10L	105.5	59.5	68	38	30	27	250	1000
12.5	1/2"	M18x1.5(12L)	U00MCPMMGSL	U00FCPMMGSL	12L	105.5	59.5	68	38	30	27	250	1000
12.5	1/2"	M22x1.5(15L)	U00MCPMMKSL	U00FCPMMKSL	15L	107.5	60.5	69	38	30	27	250	1000
12.5	1/2"	M26x1.5(18L)	U00MCPMMLSL	U00FCPMMLSL	18L	107.5	60.5	69	38	30	27	250	1000
12.5	1/2"	M16x1.5(8S)	U00MCPMMFSS	U00FCPMMFSS	8S	105.5	59.5	68	38	30	27	250	1000
12.5	1/2"	M18x1.5(10S)	U00MCPMMGSS	U00FCPMMGSS	10S	105.5	59.5	68	38	30	27	250	1000
12.5	1/2"	M20x1.5(12S)	U00MCPMMHSS	U00FCPMMHSS	12S	107.5	60.5	69	38	30	27	250	1000
12.5	1/2"	M24x1.5(16S)	U00MCPMMISS	U00FCPMMISS	16S	111.5	62.5	71	38	30	27	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications.

Do not use for Inspection.

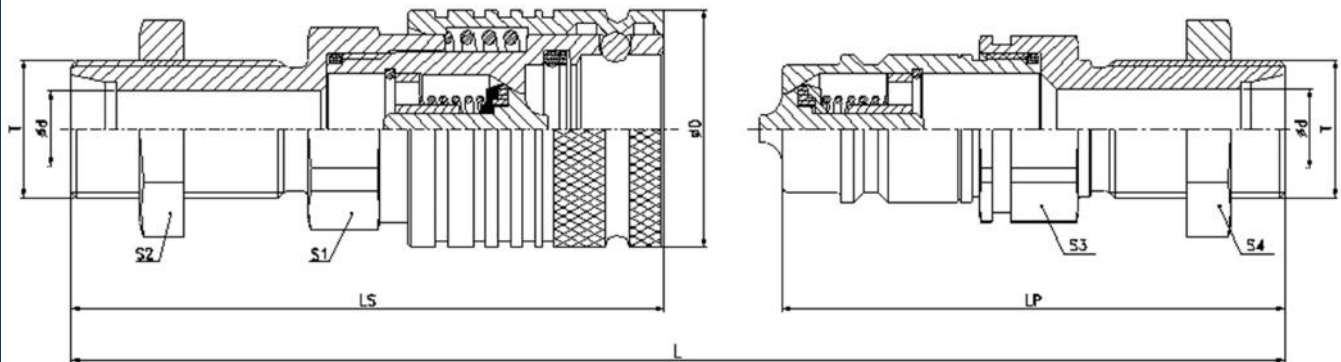
Brochure Reference: - PUSH PULL AGRI SERIES

FEATURES

- 1) Connection System: By pushing the male coupling
- 2) Disconnection System: By pulling the male coupling
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel-EN1A/EN8DM
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.



ISO-5675 BULK HEAD COUPLING



Socket

Plug

DN	Size (inch)	Thread Size T	Plug Part No.	Socket Part No.	Specification								
					TUBE OD(d)	L	LP	LS	Dia D	S1	S2	S3	S4
10	3/8"	M12x1.5 (6L)	U00MBPMMDBL	U00FBPMMDBL	6L	141.07	71.57	87.5	17.3	22	19, 22, 24	22	19, 22, 24
		M14x1.5 (8L)	U00MBPMMEBL	U00FBPMMEBL	8L	141.07	71.57	87.5	17.3	22		22	
		M16x1.5 (10L)	U00MBPMMFBL	U00FBPMMFBL	10L	141.07	71.57	87.5	17.3	22		22	
		M18x1.5 (12L)	U00MBPMMGBL	U00FBPMMGBL	12L	141.07	71.57	87.5	17.3	22		22	
		M16x1.5 (8S)	U00MBPMMFBS	U00FBPMMFBS	8S	141.07	71.57	87.5	17.3	22		22	
		M18x1.5 (10S)	U00MBPMMGBS	U00FBPMMGBS	10S	141.07	71.57	87.5	17.3	22		22	
		M20x1.5 (12S)	U00MBPMMHBS	U00FBPMMHBS	12S	141.07	71.57	87.5	17.3	22		22	
13	1/2"	M14x1.5 (8L)	U00MCPMMEBL	U00FCPMMEBL	8L	149.8	78	78	20.56	27	19	27	19
		M16x1.5 (10L)	U00MCPMMFBL	U00FCPMMFBL	10L	151.8	79	79	20.56	27	30	27	30
		M18x1.5 (12L)	U00MCPMMGBL	U00FCPMMGBL	12L	129.8	68	68	20.56	27	24	27	24
		M22x1.5 (15L)	U00MCPMMKBL	U00FCPMMKBL	15L	151.8	79	79	20.56	27	27	27	27
		M26x1.5 (18L)	U00MCPMMLBL	U00FCPMMLBL	18L	105.8	56	56	20.56	27	30	27	30
		M16x1.5 (8S)	U00MCPMMFBS	U00FCPMMFBS	8S	129.8	68	68	20.56	27	24	27	24
		M18x1.5 (10S)	U00MCPMMGBS	U00FCPMMGBS	10S	129.8	68	68	20.56	27	24	27	24
		M20x1.5 (12S)	U00MCPMMHBS	U00FCPMMHBS	12S	151.8	79	79	20.56	27	27	27	27
		M22x1.5 (14S)	U00MCPMMKBS	U00FCPMMKBS	14S	151.8	79	79	20.56	27	27	27	27
		M24x1.5 (16S)	U00MCPMMIBS	U00FCPMMIBS	16S	151.8	79	79	20.56	27	30	27	30
		M30x2 (20S)	U00MCPMMNBS	U00FCPMMNBS	20S	151.8	79	79	20.56	30	36	30	36

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications.

Do not use for Inspection.

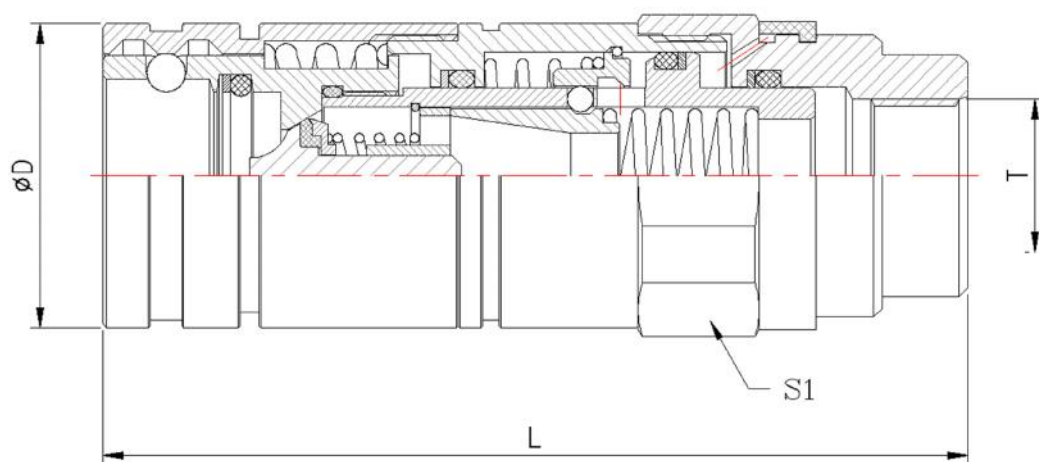
Brochure Reference: - PUSH PULL AGRI SERIES

FEATURES

- 1) Connection System: By pulling back the sleeve.
- 2) Disconnection System: By pulling back the sleeve.
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel-EN1A/EN8DM
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.



ISO-5675 BREAK-AWAY COUPLING



Socket

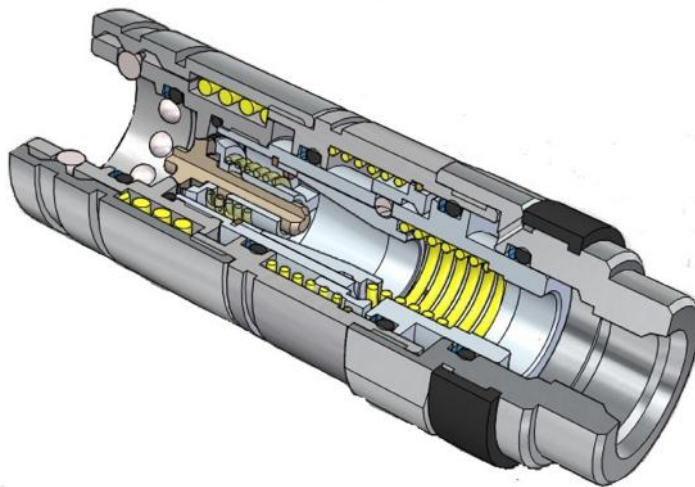
DN	Size (inch)	Thread Size Dia T	Socket Part No.	Specifications				
				L	Dia D	S1	Max Operating Pressure	Min Burst Pressure
12.5	1/2"	3/4"-16UNF-2B	U00FCEFUE	107.1	37.8	38	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.
 These dimensions are for reference only and are subject to change as per design modifications.
 Do not use for Inspection.

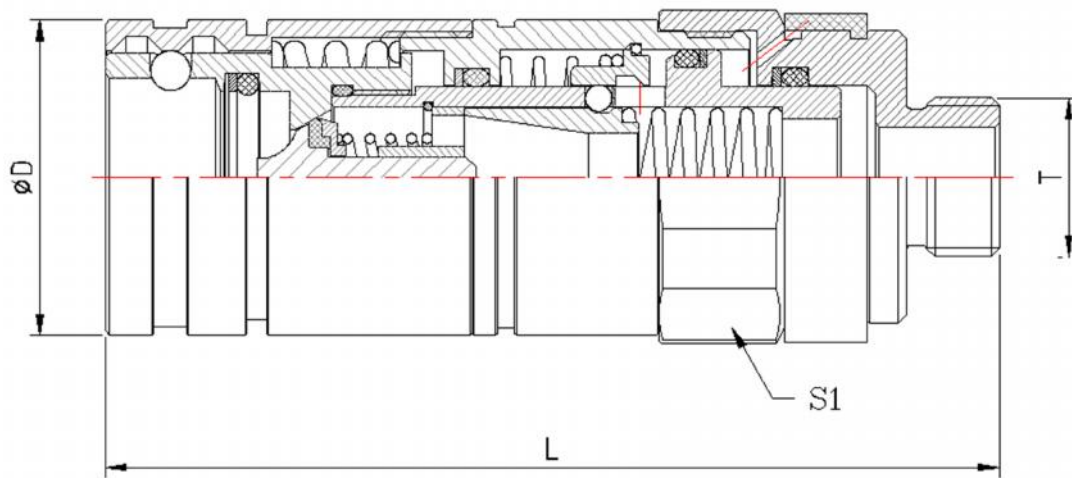
Brochure Reference: - BREAKAWAY SERIES

FEATURES

- 1) Connection System: By pushing the male coupling
- 2) Disconnection System: By pulling the male coupling
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Connect under Pressure and rigid mount by ISO 7241-A / ISO 5675 Male Part
- 5) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.



ISO-5675 BREAKAWAY COUPLING



Socket

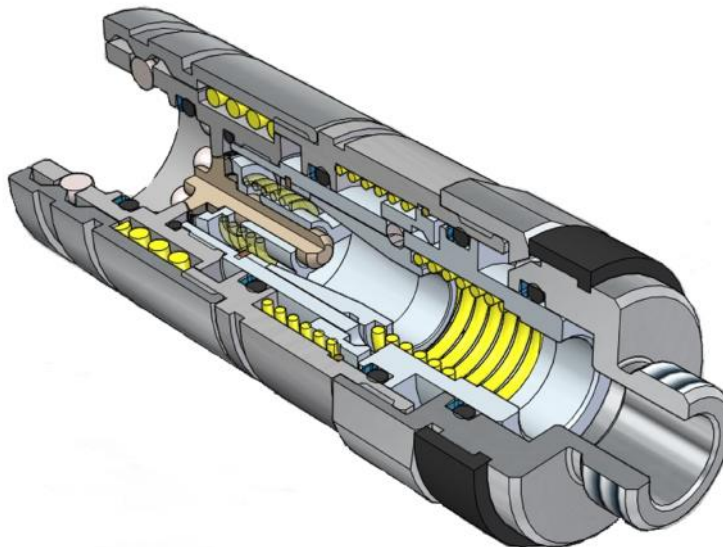
DN	Size (inch)	Thread Size Dia T	Socket Part No.	Specifications				
				L	Dia D	S1	Max Operating Pressure	Min Burst Pressure
12.5	1/2"	M22x1.5	U00FCEMMK	111.3	37.8	38	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.
 These dimensions are for reference only and are subject to change as per design modifications.
 Do not use for Inspection.

Brochure Reference: - BREAKAWAY SERIES

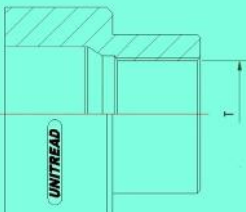
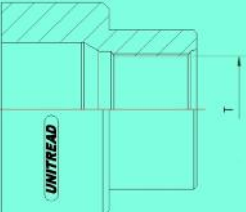
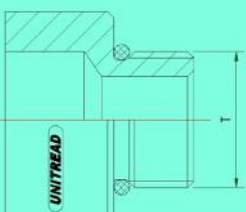
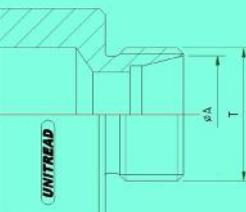
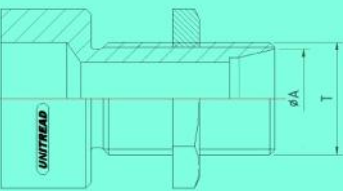
FEATURES

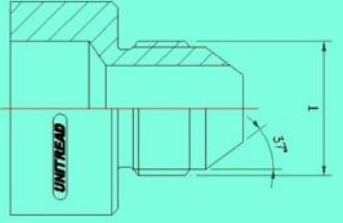
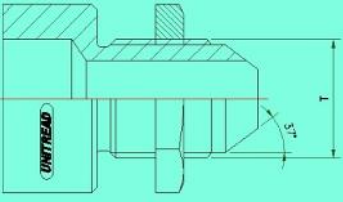
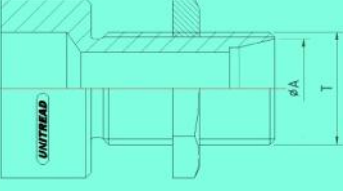
- 1) Connection System: By pushing the male coupling
- 2) Disconnection System: By pulling the male coupling
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Connect under Pressure and rigid mount by ISO 7241-A / ISO 5675 Male Part
- 5) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.



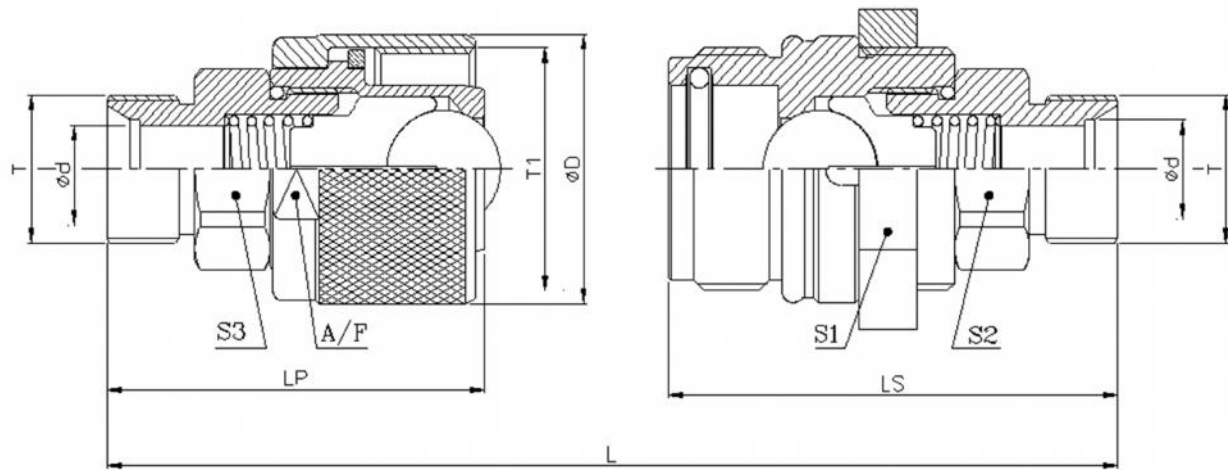
ISO-5675 BREAK-AWAY COUPLING

MORE CONNECTIONS OPTIONS BY UNITREAD

ILLUSTRATION	UNITREAD PART NO	END CONNECTION (T)	STANDARDS	LENGTH (L)
	U00FCEFB	1/2" BSP	DIN 3852-2	108.0
	U00FCEFFC	1/2" NPTF	ANSI B 1.20.3	108.0
	U00FCEFUE	3/4" UNF	SAE J 1926-1	107.5
	U00FCEFUD	7/8" UNF	SAE J 1926-3	107.5
	U00FCEMUE	3/4" UNF	SAE J 1926-3	110.5
	U00FCEMUD	7/8" UNF	SAE J 1926-3	110.5
	U00FCEMUG	1-1/16" UN	SAE J 1926-3	112
	U00FCEMMG	M18x1.5	ISO-6149-2	108
	U00FCEMMK	M22x1.5	ISO-6149-2	110
	U00FCEMMH-S	M20x1.5 (S)	ISO-8434-1-S	110.5
	U00FCEMMK-L	M22x1.5 (L)	ISO-8434-1-L	111.5
	U00FCEMMN-L	M30x2 (L)	ISO-8434-1-L	114.0
	U00FCEMMGBL	M18x1.5	ISO-8434-1-L	121.5
	U00FCEMMKBL	M22x1.5	ISO-8434-1-L	123.5
	U00FCEMMIBS	M24x1.5P	ISO-8434-1-S	125.5

	U00FCEMUEB-S	3/4" UNF	ISO-8434-2	112.0
	U00FCEMUFB-S	7/8" UNF	ISO-8434-2	115.0
	U00FCEMUEB	3/4" UNF	ISO-8434-2	125.0
	U00FCEMUDB	7/8" UNF	ISO-8434-2	128.0
	U00FCEMUF2F	1" UNS	ISO-8434-2	130.3

SCREW COUPLING BALL TYPE SERIES



Socket

Plug

DN	Size	Thread Size Dia T	Plug Part No.	Socket Part No.	Specifications										Max Operating Pressure	Min Burst Pressure
					TUBE OD d	L	LP	LS	Dia D	S1	S2	S3	T1	A/F		
12.5	1/2"	M16x1.5(10L)	U00MCSBMMFSL	U00FCSBMMFSL	10L	110	58	69	40	41	27	27	M36x1.5	36	300	1200
12.5	1/2"	M18x1.5(12L)	U00MCSBMMGSL	U00FCSBMMGSL	12L	110	58	69	40	41	27	27	M36x1.5	36	300	1200
12.5	1/2"	M22x1.5(14S)	U00MCSBMMKSS	U00FCSBMMKSS	14S	110	58	69	40	41	27	27	M36x1.5	36	300	1200

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

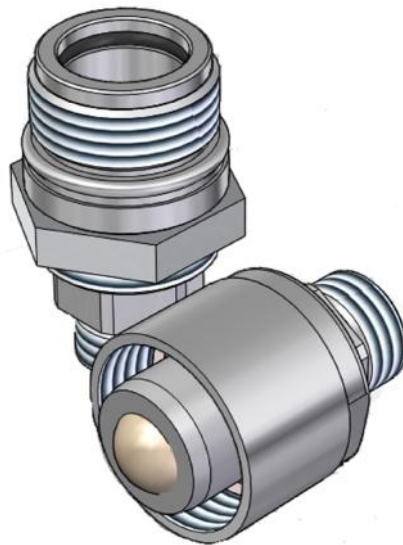
These dimensions are for reference only and are subject to change as per design modifications.

Do not use for Inspection.

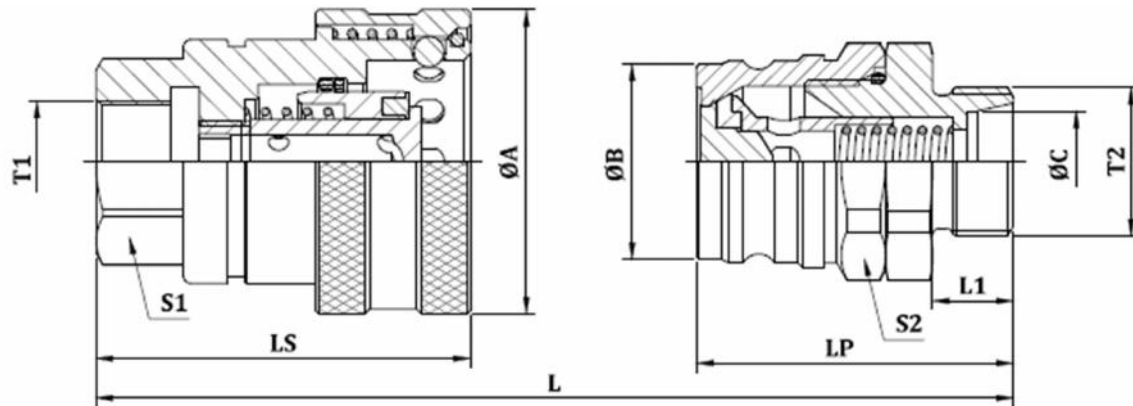
Brochure Reference: - SCREW BALL TYPE SERIES

FEATURES

- 1) Connection System: By screwing together the two parts.
- 2) Disconnection System: By unscrewing the two parts.
- 3) Shut-off System: Ball Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel-EN1A/EN8DM
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.



ISO-5676 TRAILER-BRAKE COUPLING



Socket

Plug

DN	Size (inch)	Thread Size Dia T1	Socket Part No.	Specifications				
				LS	Dia A	S1	Max Operating Pr	Min Burst Pr
12.5	1/2"	M18x1.5(12L)	U00FCGFMGSL	55.6	45	27	150	930
12.5	1/2"	M22x1.5(15L)	U00FCGFMKSL	55.6	45	27	150	930
12.5	1/2"	1/2"BSP	U00FCGFBC	55.6	45	27	150	930

DN	Size (inch)	Thread Size Dia T2	Plug Part No.	Specifications						
				Dia B	Dia C	LP	L1	S2	Max Operating Pr	Min Burst Pr
12.5	1/2"	M18x1.5(12L)	U00MCGMMGSL	28.9	12	46	11	32	150	930
12.5	1/2"	M20x1.5(12S)	U00MCGMMHSS	28.9	12	47	12	32	150	930
12.5	1/2"	M22x1.5(14S)	U00MCGMMKSS	28.9	12	47	12	32	150	930
12.5	1/2"	1/2"BSP	U00MCGMBC	28.9	12	47	12	32	150	930

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

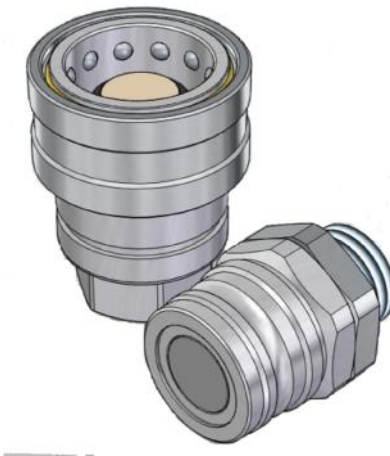
These dimensions are for reference only and are subject to change as per design modifications.

Do not use for Inspection.

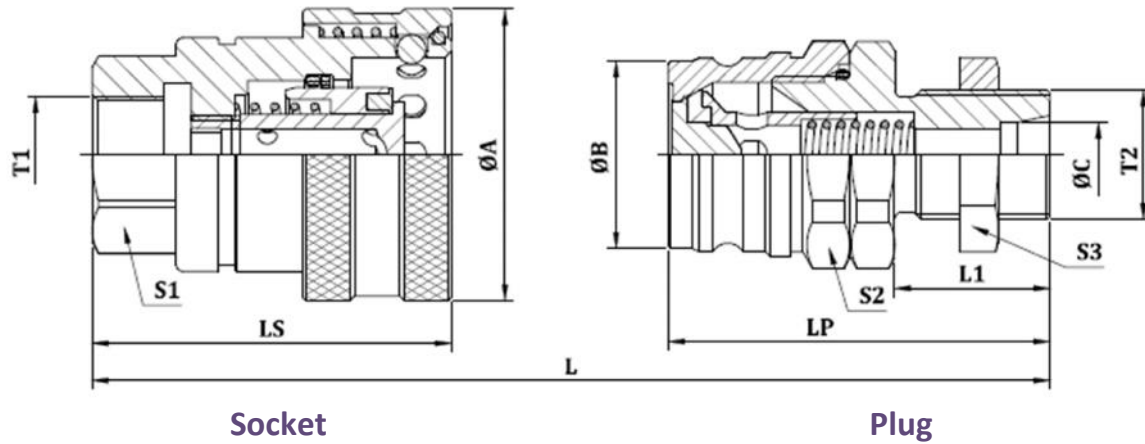
Brochure Reference: - TRAILER BRAKE AGRI SERIES

FEATURES

- 1) Connection System: By pulling back the sleeve
- 2) Disconnection System: By pulling back the sleeve
- 3) Shut-off System: Flat Face Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.



ISO-5676 TRAILER-BRAKE COUPLING



DN	Size (inch)	Thread Size Dia T1	Socket Part No.	Specifications				
				LS	Dia A	S1	Max Operating Pr	Min Burst Pr
12.5	1/2"	M18x1.5	U00FCGFMG	55.6	45	27	150	930
12.5	1/2"	M22x1.5	U00FCGFMK	55.6	45	27	150	930
12.5	1/2"	1/2"BSP	U00FCGFBC	55.6	45	27	150	930

DN	Size (inch)	Thread Size Dia T2	Plug Part No.	Specifications								
				TUBE OD C	Dia A	Dia B	LP	L1	S2	S3	Max Operating Pr	Min Burst Pr
12.5	1/2"	M18x1.5(12L)	U00MCGMMGBL	12L	28.9	12	59	23	32	24	150	930
12.5	1/2"	M20x1.5(12S)	U00MCGMMHBS	12S	28.9	13.5	59	23	32	27	150	930
12.5	1/2"	M22x1.5(14S)	U00MCGMMKBS	14S	28.9	15	59	23	32	27	150	930

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

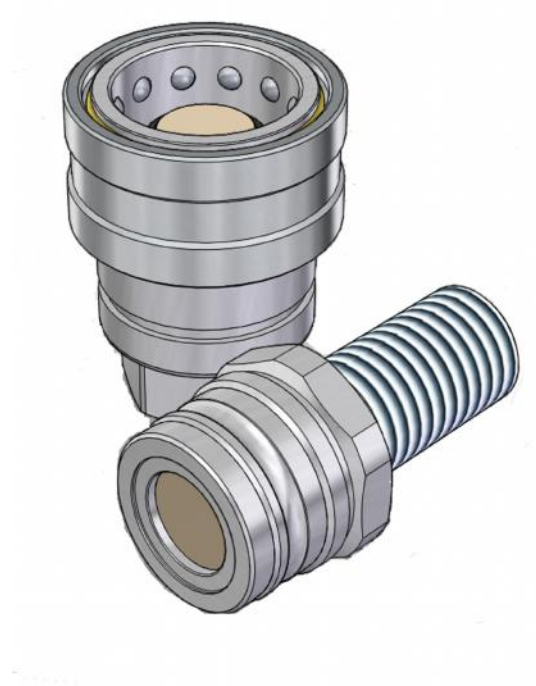
These dimensions are for reference only and are subject to change as per design modifications.

Do not use for Inspection.

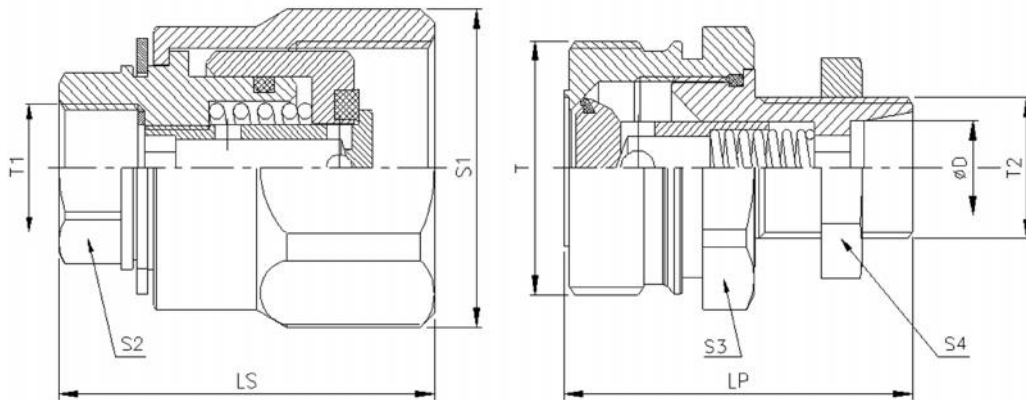
Brochure Reference: - TRAILER BRAKE AGRI SERIES

FEATURES

- 1) Connection System: By pulling back the sleeve
- 2) Disconnection System: By pulling back the sleeve
- 3) Shut-off System: Flat Face Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.



BREAK COUPLING (SCREW TYPE)



Socket

Plug

DN	Size (inch)	Thread Size Dia T1	Socket Part No.	Specifications				
				LS	S1	S2	Max Operating Pr	Min Burst Pr
12.5	1/2"	M18x1.5	U00FCGHFMG	54.5	41	24	150	930

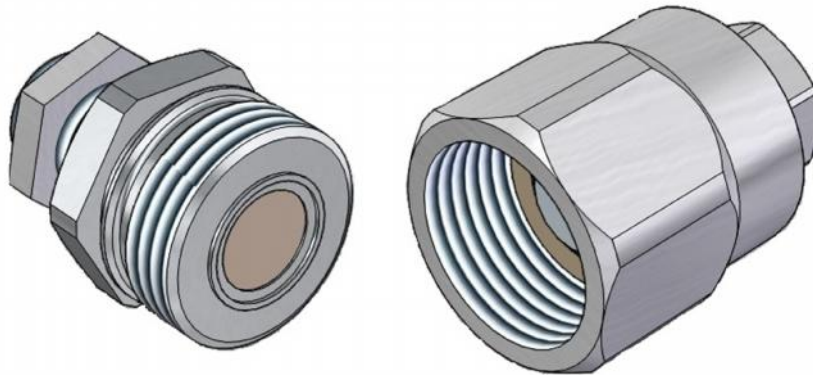
DN	Size (inch)	Thread Size Dia T2	Plug Part No.	Specifications							
				TUBE OD D	T3	LP	LP	S3	S4	Max Operating Pr	Min Burst Pr
12.5	1/2"	M20x1.5(12S)	U00MCGMMHBL	12S	M36X2.0P	59	50.5	36	27	150	930

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.
 These dimensions are for reference only and are subject to change as per design modifications.
 Do not use for Inspection.

Brochure Reference: - BRAKE SCREW SERIES

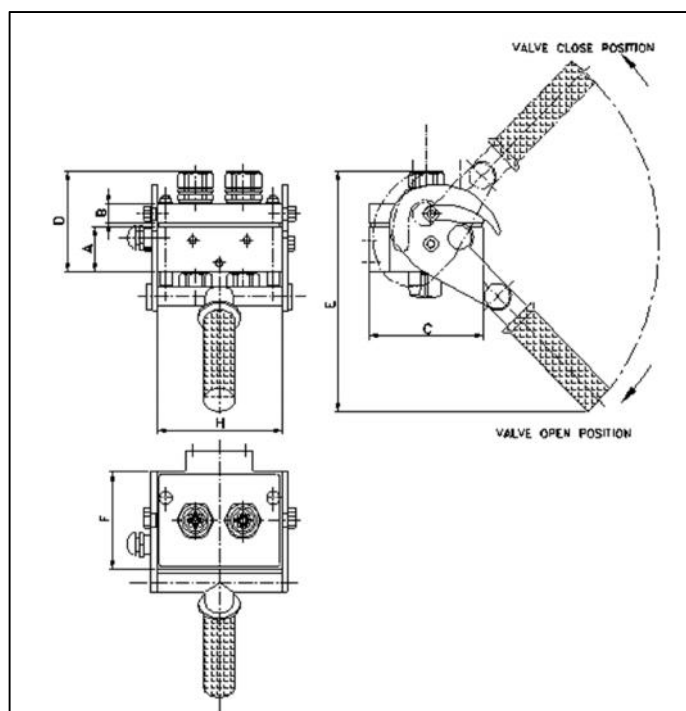
FEATURES

- 1) Connection System: By Screwing the two parts
- 2) Disconnection System: By unscrewing the two parts
- 3) Shut-off System: Flat Face Valve
- 4) Connectable: Without Pressure
- 5) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.



MULITCOUPLING

2MC SERIES



DN	Size	Thread Type	FIXED HALF (socket) Part No.	MOBILE HALF (plug) Part No.	Specifications								
					A	B	C	D	E	F	H	Max Operating Pr	Minimum Burst Pr
10	3/8"	3/8" BSP	U00FBMFBB2P	U00MBMFBB2P	51.3	22	127	90	190	85	120	250	1000
	3/8"	3/8" NPT	U00FBMFNB2P	U00MBMFNB2P	51.3	22	127	90	190	85	120	250	1000
	3/8"	1/2" BSP	U00FBMFBC2P	U00MBMFBC2P	51.3	22	127	90	190	85	120	250	1000
	3/8"	¾-16" UNF	U00FBMFBU2P	U00MBMFBU2P	51.3	22	127	90	190	85	120	250	1000
	3/8"	M18x1.5P(12L)	U00FBMFMG2P	U00MBMFMG2P	51.3	22	127	90	190	85	120	250	1000
	3/8"	M22x1.5(15L)	U00FBMFMK2P	U00MBMFMK2P	51.3	22	127	90	190	85	120	250	1000
12.5	1/2"	1/2" BSP	U00FCMFBC2P	U00MCMFBC2P	71	20	125	106	254	100	135	250	1000
	1/2"	1/2" NPT	U00FCMFNC2P	U00MCMFNC2P	71	20	125	106	254	100	135	250	1000
	1/2"	3/4" BSP	U00FCMFBE2P	U00MCMFBE2P	71	20	125	106	254	100	135	250	1000
	1/2"	¾-16" UNF	U00FCMFBC2P	U00MCMFBC2P	71	20	125	106	254	100	135	250	1000
	1/2"	M22x1.5(15L)	U00FCMFBC2P	U00MCMFBC2P	71	20	125	106	254	100	135	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications.

Do not use for Inspection.

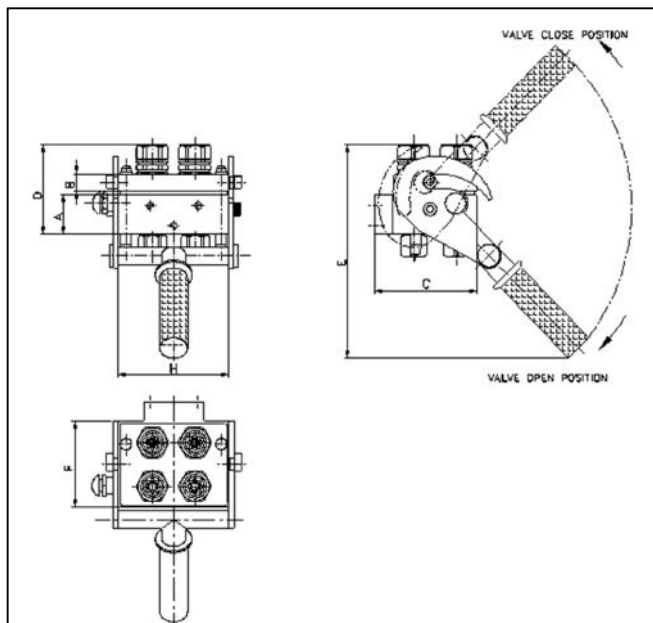
Brochure Reference: - MULTI COUPLING SERIES

FEATURES

- 8) Connection System: By pulling the handle.
- 9) Disconnection System: By pulling the handle.
- 10) Shut-off System: Poppet Valve
- 11) Connectable: With Pressure
- 12) Materials
 - Body: Aluminium
 - Springs: Spring Steel as per IS:4454 Grade III
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 13) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 14) Designed to achieve higher flow rates @ lower pressure drops.

MULITCOUPLING

4MC SERIES



DN	Size	Thread Type	FIXED HALF (socket) Part No.	MOBILE HALF (plug) Part No.	Specifications								
					A	B	C	D	E	F	H	Max Operating Pressure	Mini.Burst Pressure
10	3/8"	3/8" BSP	U00FBMFBB4P	U00MBMFBB4P	51.3	22	139	90	190	85	133	250	1000
	3/8"	3/8" NPT	U00FBMFNB4P	U00MBMFNB4P	51.3	22	139	90	190	85	133	250	1000
	3/8"	1/2" BSP	U00FBMFBC4P	U00MBMFBC4P	51.3	22	139	90	190	85	133	250	1000
	3/8"	3/4-16" UNF	U00FBMFBU4P	U00MBMFBU4P	51.3	22	139	90	190	85	133	250	1000
	3/8"	M22x1.5(15L)	U00FBMFMK4P	U00MBMFMK4P	51.3	22	139	90	190	85	133	250	1000
12.5	1/2"	1/2" BSP	U00FCMFBC4P	U00MCMFBC4P	71	20	135	106	254	110	135	250	1000
	1/2"	1/2" NPT	U00FCMFNC4P	U00MCMFNC4P	71	20	135	106	254	110	135	250	1000
	1/2"	3/4" BSP	U00FCMFBE4P	U00MCMFBE4P	71	20	135	106	254	110	135	250	1000
	1/2"	3/4-16" UNF	U00FCMFBC4P	U00MCMFBC4P	71	20	135	106	254	110	135	250	1000
	1/2"	M22x1.5(15L)	U00FCMFBC4P	U00MCMFBC4P	71	20	135	106	254	110	135	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications.

Do not use for Inspection.

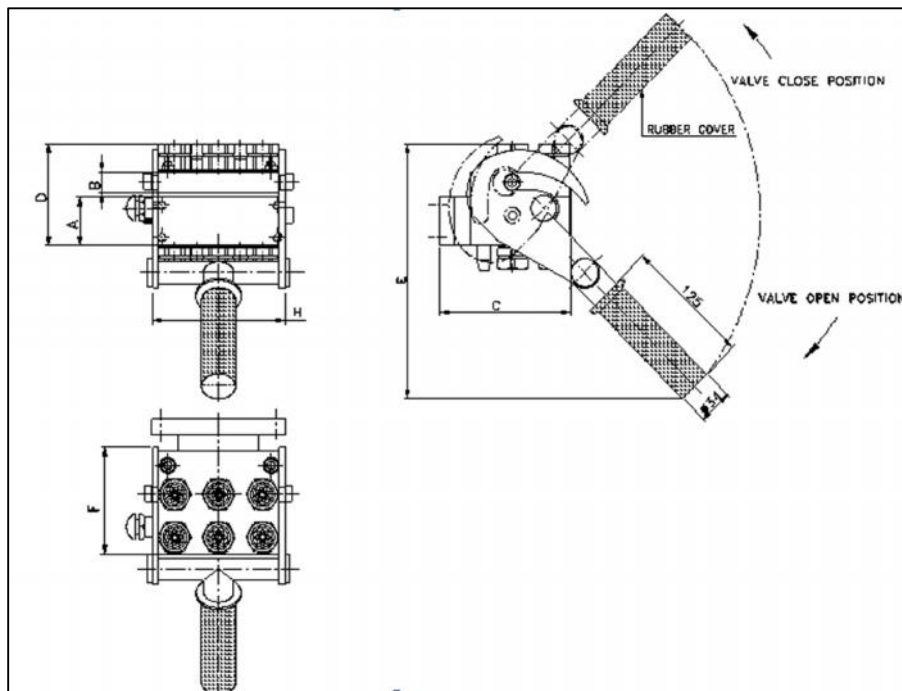
Brochure Reference: - MULTI COUPLING SERIES

FEATURES

- 1) Connection System: By pulling the handle.
- 2) Disconnection System: By pulling the handle.
- 3) Shut-off System: Poppet Valve
- 4) Connectable: With Pressure
- 5) Materials
 - Body: Aluminium
 - Springs: Spring Steel as per IS:4454 Grade III
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.

MULITCOUPLING

6MC SERIES



DN	Size	Thread Type	FIXED HALF (socket) Part No.	MOBILE HALF (plug) Part No.	Specifications								
					A	B	C	D	E	F	G	Max. Operating Pressure	Min.Burst Pressure
10	3/8"	3/8" BSP	U00FBMFBB6P	U00MBMFBB6P	51.3	22	139	90	190	85	133	250	1000
	3/8"	3/8" NPT	U00FBMFNB6P	U00MBMFNB6P	51.3	22	139	90	190	85	133	250	1000
	3/8"	1/2" BSP	U00FBMFBC6P	U00MBMFBC6P	51.3	22	139	90	190	85	133	250	1000
	3/8"	3/4-16" UNF	U00FBMFBU6P	U00MBMFBU6P	51.3	22	139	90	190	85	133	250	1000
	3/8"	M22x1.5(15L)	U00FBMFMK6P	U00MBFMFK6P	51.3	22	139	90	190	85	133	250	1000
12.5	1/2"	1/2" BSP	U00FCMFBC6P	U00MCMFBC6P	71	20	135	106	254	110	135	250	1000
	1/2"	1/2" NPT	U00FCMFNC6P	U00MCMFNC6P	71	20	135	106	254	110	135	250	1000
	1/2"	3/4" BSP	U00FCMFBE6P	U00MCMFBE6P	71	20	135	106	254	110	135	250	1000
	1/2"	3/4-16" UNF	U00FCMFBC6P	U00MCMFBC6P	71	20	135	106	254	110	135	250	1000
	1/2"	M22x1.5(15L)	U00FCMFBC6P	U00MCMFBC6P	71	20	135	106	254	110	135	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

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Do not use for Inspection.

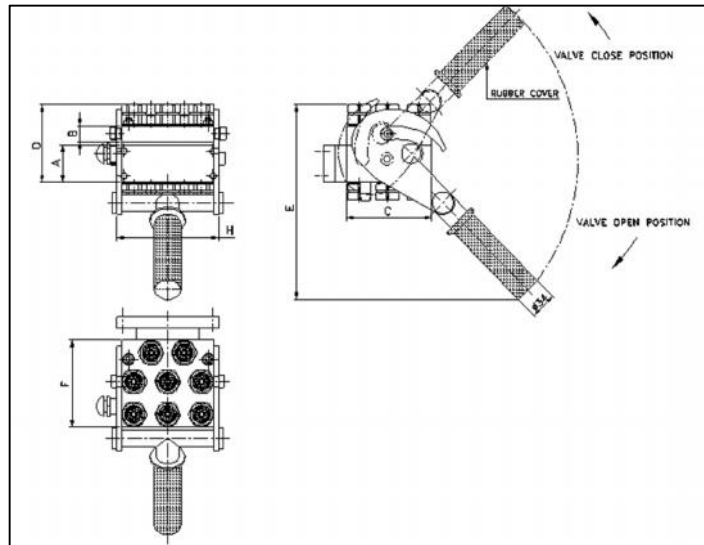
Brochure Reference: - MULTI COUPLING SERIES

FEATURES

- 1) Connection System: By pulling the handle.
- 2) Disconnection System: By pulling the handle.
- 3) Shut-off System: Poppet Valve
- 4) Connectable: With Pressure
- 5) Materials
 - Body: Aluminum
 - Springs: Spring Steel as per IS:4454 Grade III
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.

MULTICOUPLING

8P SERIES



DN	Size	Thread Type	FIXED HALF (socket) Part No.	MOBILE HALF (plug) Part No.	Specifications								Max. Operating Pressure	Mini.Burst Pressure
					A	B	C	D	E	F	G			
10	3/8"	3/8" BSP	U00FBMFBB8P	U00MBMFBB8P	51.3	24	139	90	190	85	133		250	1000
	3/8"	3/8" NPT	U00FBMFNB8P	U00MBMFNB8P	51.3	24	139	90	190	85	133		250	1000
	3/8"	1/2" BSP	U00FBMFBC8P	U00MBMFBC8P	51.3	24	139	90	190	85	133		250	1000
	3/8"	3/4-16" UNF	U00FBMFBU8P	U00MBMFBU8P	51.3	24	139	90	190	85	133		250	1000
	3/8"	M22x1.5(15L)	U00FBMFMB8P	U00MBMFMB8P	51.3	24	139	90	190	85	133		250	1000
12.5	1/2"	1/2" BSP	U00FCMFBC8P	U00MCMFBC8P	71	20	135	106	254	110	135		250	1000
	1/2"	1/2" NPT	U00FCMFNC8P	U00MCMFNC8P	71	20	135	106	254	110	135		250	1000
	1/2"	3/4" BSP	U00FCMFB8P	U00MCMFB8P	71	20	135	106	254	110	135		250	1000
	1/2"	3/4-16" UNF	U00FCMFBC8P	U00MCMFBC8P	71	20	135	106	254	110	135		250	1000
	1/2"	M22x1.5(15L)	U00FCMFBC8P	U00MCMFBC8P	71	20	135	106	254	110	135		250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications.

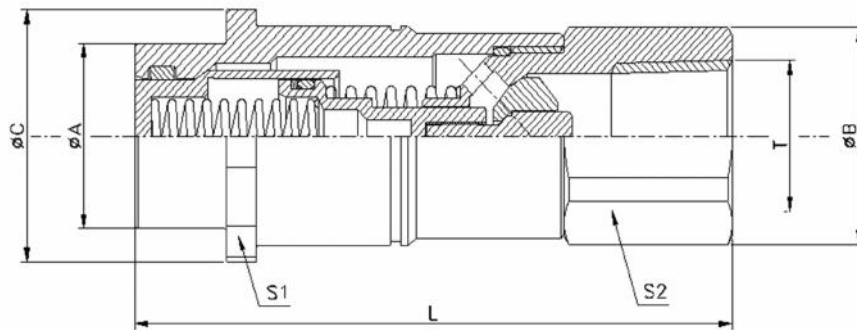
Do not use for Inspection.

Brochure Reference: - MULTI COUPLING SERIES

FEATURES

- 1) Connection System: By pulling the handle.
- 2) Disconnection System: By pulling the handle.
- 3) Shut-off System: Poppet Valve
- 4) Connectable: With Pressure
- 5) Materials
 - Body: Aluminium
 - Springs: Spring Steel as per IS:4454 Grade III
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.

FLAT FACE MULTICOUPLER SERIES (SKIDSTEER)



SOCKET

DN	Size	Thread Type	Socket Part No.	Specifications							
				Dia.A	Dia.B	Dia.C	S1	S2	L	Max. Operating Pressure	Mini.Burst Pressure
10	3/8"	3/8" BSP	U00FBNFBC	19.7	29.5	36.1	35	27	84	220	880
	3/8"	3/8" NPT	U00FBNFNC	19.7	29.5	36.1	35	27	84	220	880
	3/8"	3/4-16" UNF	U00FBNFUC	19.7	29.5	36.1	35	27	84	220	880
12.5	1/2"	1/2" BSP	U00FCNFBC	26.5	31	36.1	35	28.6	92.4	220	880
	1/2"	1/2" NPT	U00FCNFNC	26.5	31	36.1	35	28.6	92.4	220	880
	1/2"	7/8-14" UNF	U00FCNFUC	26.5	31	36.1	35	28.6	92.4	220	880

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

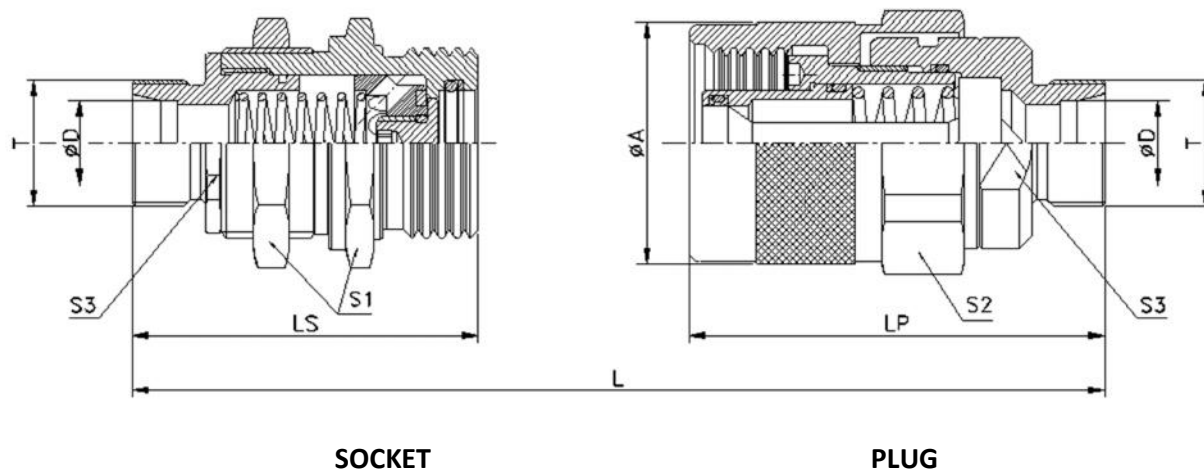
These dimensions are for reference only and are subject to change as per design modifications.

Do not use for Inspection.

FEATURES

- 1) Connection System: By pulling the handle.
- 2) Disconnection System: By pulling the handle.
- 3) Shut-off System: Poppet Valve
- 4) Connectable: connect under pressure
- 5) Materials
 - Body: Carbon Steel-EN1A
 - Springs: Spring Steel as per IS:4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.

SCREW TO CONNECT FLAWLESS COUPLING (WITHOUT AIR INCLUSION)



SOCKET

PLUG

D N	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications									
					Dia D	L	LP	LS	S1	S2	S3	Dia A	Max. OP. Press ure	Min. Burst Pressur e
10	3/8"	M14x1.5(8L)	U00MBUMMESL	U00FBUMMESL	8L	95	60	54	36	41	27	39	420	1600
	3/8"	M16x1.5(10L)	U00MBUMMFSL	U00FBUMMFSL	10L	97	61	55	36	41	27	39	420	1600
	3/8"	M18x1.5(12L)	U00MBUMMGSL	U00FBUMMGSL	12L	97	61	55	36	41	27	39	420	1600
	3/8"	M22x1.5(15L)	U00MBUMMKSL	U00FBUMMKSL	15L	99	62	56	36	41	27	39	420	1600
	3/8"	M18x1.5(10S)	U00MBUMMGSS	U00FBUMMGSS	10S	99	62	56	36	41	27	39	420	1600
	3/8"	M20x1.5(12S)	U00MBUMMHSS	U00FBUMMHSS	12S	99	62	56	36	41	27	39	420	1600
	3/8"	M22x1.5(14S)	U00MBUMMKSS	U00FBUMMKSS	14S	103	64	58	36	41	27	39	420	1600
	3/8"	M24x1.5(16S)	U00MBUMMISS	U00FBUMMISS	16S	103	64	58	36	41	27	39	420	1600
	3/8"	M24x1.5(16S)	U00MBUMMISS	U00FBUMMISS	16S	103	64	58	36	41	27	39	420	1600
13	1/2"	M22x1.5(15L)	U00MCUMMKSL	U00FCUMMKSL	15L	119	65	78	41	36	36	45	420	1600
	1/2"	M24x1.5(16S)	U00MCUMMISS	U00FCUMMISS	16S	127	65	78	41	36	36	45	420	1600
	1/2"	M30x1.5(20S)	U00MCUMMNSS	U00FBUMMNSS	20S	125	65	78	41	36	36	45	420	1600
20	3/4"	M26x1.5(18L)	U00MDUMMLSL	U00FDUMMLSL	18L	158	103	90	60	55	41	64	350	1200
	3/4"	M30x1.5(22L)	U00MDUMMNSL	U00FDUMMNSL	22L	160	105	92	60	55	41	64	350	1200
	3/4"	M36x2(28L)	U00MDUMMMSL	U00FDUMMMSL	28L	164	107	92	60	55	41	64	350	1200
	3/4"	M30x2(20S)	U00MDUMMNSS	U00FDUMMNSS	20S	169	109	95	60	55	41	64	350	1200
	3/4"	M36x2(25S)	U00MDUMMRSS	U00FDUMMRSS	25S	173	111	97	60	55	41	64	350	1200
	3/4"	M42x2(30S)	U00MDUMMTSS	U00FDUMMTSS	30S	177	113	99	60	55	41	64	350	1200
25	1"	M45x2(35L)	U00MEUMMUSL	U00FEUMMUSL	35L	218	136	122	85	80	55	90	420	900
	1"	M52x2(42L)	U00MEUMMVSL	U00FEUMMVSL	42L	218	136	122	85	80	55	90	420	900
	1"	M52v2(38S)	U00MEUMMVSS	U00FEUMMVSS	38S	220	136	122	85	80	55	90	420	900

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

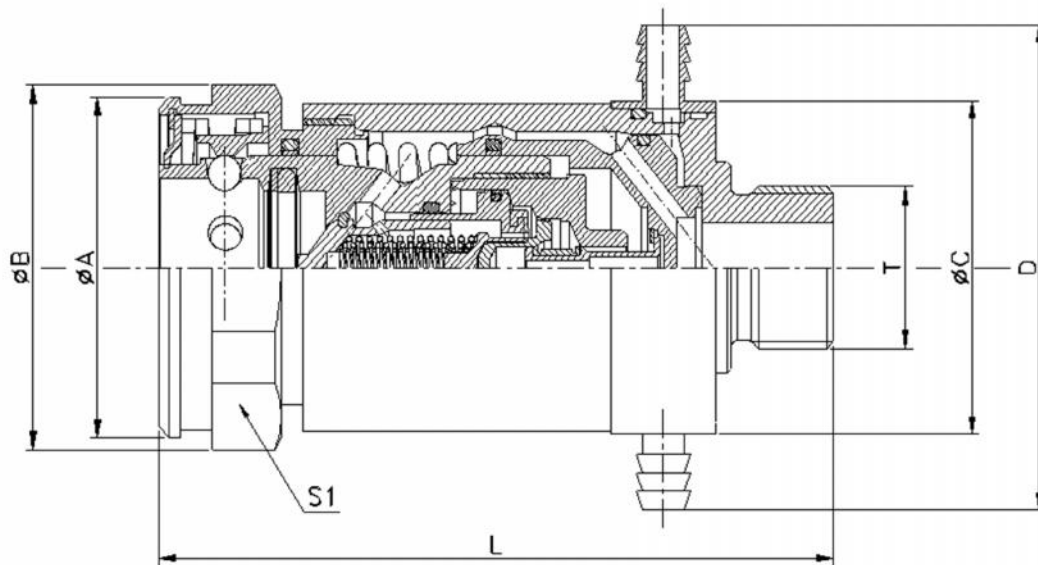
These dimensions are for reference only and are subject to change as per design modifications.

Do not use for Inspection.

FEATURES

- 1) Connection System: By Screwing.
- 2) Disconnection System: By Screwing
- 3) Shut-off System: Poppet Valve
- 4) Connectable: with Pressure
- 5) Materials
 - Body: Carbon Steel-EN1A
 - Springs: Spring Steel as per IS:4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.

RIGID COUPLING_HC-268



SOCKET

DN	Size	Thread Type	Socket Part No.	Specifications							
				L	Dia A	Dia B	Dia C	D	S1	Max Operating Pressure	Min. Burst Pressure
12.5	1/2"	M22x1.5	U00FCEMMK-K	98	46	49.3	45	65.4	46	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

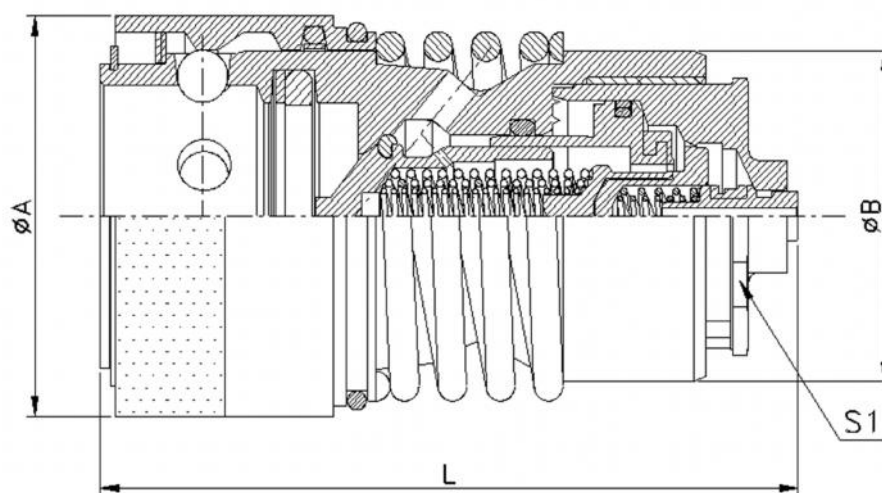
These dimensions are for reference only and are subject to change as per design modifications.

Do not use for Inspection.

FEATURES

- 8) Connection System: By pushing the male coupling
- 9) Disconnection System: By pulling the male coupling
- 10) Shut-off System: Poppet Valve
- 11) Connectable: Connect under Pressure and rigid mount by ISO 7241-A / ISO 5675 Male Part
- 12) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 13) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 14) Designed to achieve higher flow rates @ lower pressure drops.

CARTRIDGES TYPE RIGID COUPLING_HC-269



SOCKET

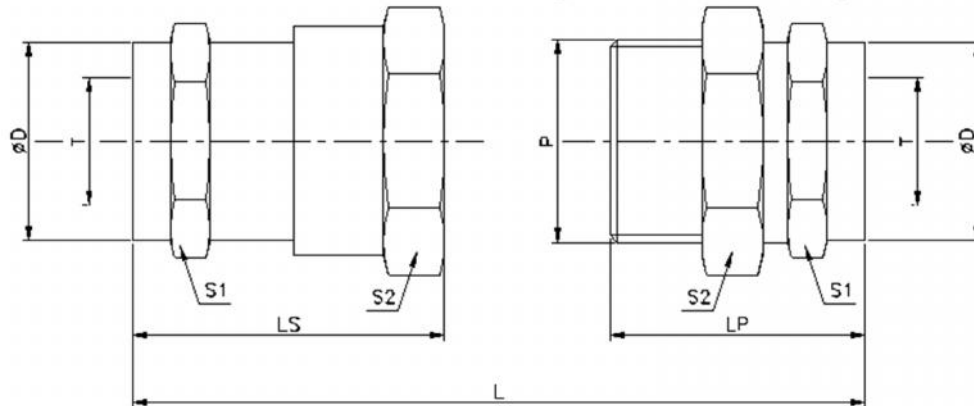
DN	Size	Thread Type	Socket Part No.	Specifications					
				L	Dia A	Dia B	S1	Max Operating Pressure	Min. Burst Pressure
12.5	1/2"	--	U00FCEZZZ-C	65.65	36.4	45	46	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.
 These dimensions are for reference only and are subject to change as per design modifications.
 Do not use for Inspection.

FEATURES

- 1) Connection System: By pushing the male coupling
- 2) Disconnection System: By pulling the male coupling
- 3) Shut-off System: Poppet Valve
- 4) Connectable: Connect under Pressure and rigid mount by ISO 7241-A / ISO 5675 Male Part
- 5) Materials
 - Body: Carbon Steel
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Balls: AISI E-52100 Grade 100
 - Seals: NBR (Nitrile) Temperature Range -30° to 100°C
 - Back up Ring: PTFE
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.

Screw-To-Connect Refrigeration Coupling



Socket

Plug

DN	Size	Thread Type	Plug Part No.	Socket Part No.	Specifications								
					L	LP	LS	S1	S2	DIA D	P	Max Op. Pressure	Minimum Burst Pressure
6.3	1/4"	1/4" BSP	U00MARFFBA	U00FARFFBA	48.5	27.5	28	16	19	30	5/8"-18UNF	330	1000
		1/4" NPT	U00MARFFNA	U00FARFFNA	48.5	27.5	28	16	19	30	5/8"-16UNF	330	1000
		1/2" -20 UNF	U00MARFFUT	U00FARFFUT	48.5	27.5	28	16	19	30	5/8"-16UNF	330	1000
		5/8" -18 UNF	U00MARFFUL	U00FARFFUL	48.5	27.5	28	16	19	30	5/8"-16UNF	330	1000
10	3/8"	3/8" BSP	U00MBRFFBB	U00FBRFFBB	53	38.5	46.5	22	24	32	1"-20UNEF	230	920
		3/8" NPT	U00MBRFFNB	U00FBRFFNB	53	38.5	46.5	22	24	32	1"-20UNEF	230	920
		M18 X 1.5	U00MBRFFMG	U00FBRFFMG	53	38.5	46.5	22	24	32	1"-20UNEF	230	920
		M20 X 1.5	U00MBRFFMH	U00FBRFFMH	53	38.5	46.5	22	24	32	1"-20UNEF	230	920
12.5	1/2"	1/2" BSP (F)	U00MCRFFBC	U00FCRFFBC	85.5	44	55.5	36	41	35	1-7/16"-16UN	250	1000
		1/2" NPT (F)	U00MCRFFNC	U00FCRFFNC	85.5	44	55.5	36	41	35	1-7/16"-16UN	250	1000
		7/8" -20UNF	U00MCRFFUM	U00FCRFFUM	85.5	44	55.5	36	41	35	1-7/16"-16UN	250	1000
		3/4" -16 UNF	U00MCRFFUR	U00FCRFFUR	85.5	44	55.5	36	41	35	1-7/16"-16UN	250	1000
20	3/4"	3/4" BSP (F)	U00MDRFFBE	U00FDRFFBE	92	46.5	61.6	46	50	55	1-3/4"-16UN	200	880
		3/4" NPT (F)	U00MDRFFNE	U00FDRFFNE	92	46.5	61.6	46	50	55	1-3/4"-16UN	200	880
		1 1/4" -18 UNF	U00MDRFFUP	U00FDRFFUP	92	46.5	61.6	46	50	55	1-3/4"-16UN	200	880
		1 3/4" -16 UNF	U00MDRFFUN	U00FDRFFUN	92	46.5	61.6	46	50	55	1-3/4"-16UN	200	880
25	1"	3/4" BSP (F)	U00MERFFBF	U00FERFFBF	150	96	70	70	80	65	M68x2	250	1000
		3/4" NPT (F)	U00MERFFNF	U00FERFFNF	150	96	70	70	80	65	M68x2	250	1000
		1 1/4" -18 UNF	U00MERFFUP	U00FERFFUP	150	96	70	70	80	65	M68x2	250	1000

NOTE: All dimensions are in mm, unless otherwise specified. Pressure in bar.

These dimensions are for reference only and are subject to change as per design modifications.

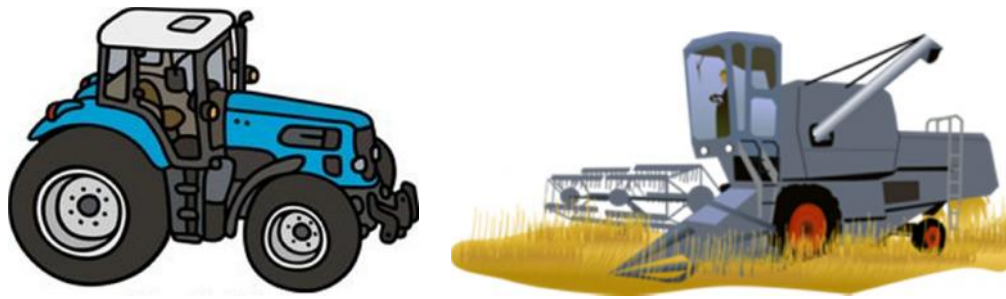
Do not use for Inspection.

FEATURES

- 1) Connection System: By Screwing
- 2) Disconnection System: By Screwing
- 3) Shut-off System: Flat valve type
- 4) Connectable: Both Female & Male coupling under residual.
- 5) Materials
 - Body: Carbon Steel/Brass
 - Springs: Spring Steel as per IS: 4454 Grade III
 - Seals: Neoprene & HNBR Temperature Range -40° to 120°C
- 6) Surface Treatment: Zinc Plating with Cr III based Passivation.
- 7) Designed to achieve higher flow rates @ lower pressure drops.

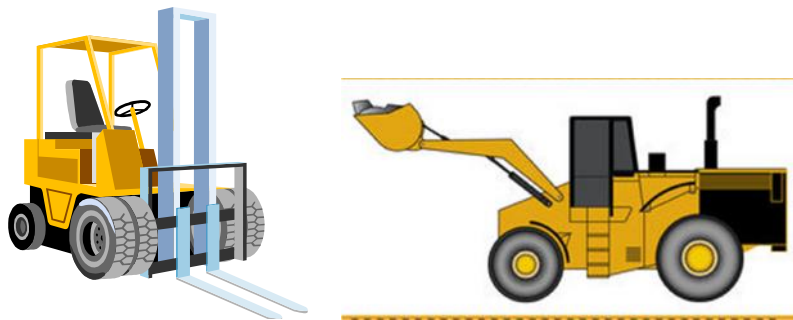


Application Areas



TRACTOR AND FARM IMPLEMENTS

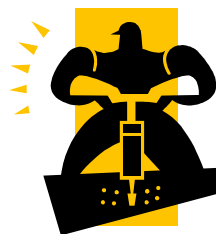
UNITREAD quick release couplings find a very wide application in Tractors and many farm implements. Specific series of couplings are developed to meet various typical applications. Our products are approved by OEMs in Tractors, Combines, Harvesters, Trailers and other allied farm equipment's. The strict compliance to ISO 7241 part A standard ensures interchangeability worldwide.



MOBILE HYDRAULICS

(Earth Moving, Construction, Mining, Road Equipments)

This industry typically relies on **UNITREAD Flat Face** couplings that ensure excellent functioning in dusty and harsh environments and avoids spillage during connection and disconnection. The valve designs are unique such that the performance and reliability are achieved. The strict compliance to ISO16028 adds to worldwide interchangeability. The uses of MULTILINE couplings are now being used in this sector.



HYDRAULIC TOOLS

(Power tools, Jacks, Breakers, Rescue tools, etc..)

UNITREAD offers both flat face, screw type and other series to meet the exacting standards of the hydraulic tool industry. Depending on the requirement of safety, vibration, pressure, spillage helps in connecting in various applications like Jacks, power tools, breaking, fire and rescue field tools.



PROCESS INDUSTRY
(Chemical, Pharma, Paint, Oil and Gas , etc ..)

The industry requirement of varied fluid usage ,temperature ,corrosion resistance is addressed by **UNITREAD** manufacturing in various grades of materials like stainless steel like AISI(304,316,316L) along with the requisite seals and protective treatments for harsh wear resistance.



SHOPFLOOR
(Machine shop, Press Shop, Plastic Molding)

Quick changeover needs of the shop floor to reduce idle times and least machinery breakdown are addressed by **UNITREAD** by using the valve type or flat face series. Typical applications like die change, pallet change, mould change etc.



DEFENCE APPLICATIONS

UNITREAD has recently supplying for defence industries with couplings and developing specific ones for defence applications. The experience that **UNITREAD** has gained in active partnership with manufacturers and users has increased the technical expertise and enabled us to meet the demands and requirements for this sector.



CUSTOMISED SOLUTIONS

Due to its strong engineering team **UNITREAD** is able to offer its customers, tailor made customized solutions to cater to their specific requirements.

SEALING MATERIAL COMPATIBILITY CHART

The chart given below is for reference use only. The information in the chart pertains to the material compatibility and is not intended to be used as an application guide.

Resistance Rating

E – Excellent
G- Good
C- Conditional
U- Unsatisfactory

Fluid	Seals								Metal	
	Buna-N	Neoprene	EPR/EPDM	Viton	Steel	Brass	Stainless Steel	Aluminum		
Acetaldehyde	U	C	C	U	G	E	E	E		
Acetic Acid, 10%	U	U	E	G	U	U	C	C		
Acetic Acid, Glacial	U	U	C	U	U	U	C	C		
Acetone	U	U	G	U	E	E	E	E		
Acetophenone	U	U	E	U	E	E	E	C		
Acetyl Acetone	U	U	G	U	U	C	C	C		
Acetyl Chloride	U	U	U	E	C	C	C	U		
Acetylene (1)	G	U	G	E	E	E	E	E		
Air, Hot (Up to +160°F)	E	E	E	E	E	E	E	E		
Air, Hot (161°F – 200°F)	C	G	E	E	E	E	E	E		
Air, Hot (201°F – 300°F)	U	U	G	E	E	E	E	E		
Air Wet, below 160°F	E	E	E	E	U	G	E	E		
Aluminum Chloride, 10% aq	E	E	E	E	U	U	U	U		
Aluminum Fluoride, 10% aq	E	E	E	E	U	U	U	E		
Aluminum Nitrate, 10% aq	E	E	E	E	U	U	C	C		
Aluminum Sulfate, 10% aq	E	E	E	E	U	C	E	C		
Alums, 10% aq	E	E	E	E	U	C	E	C		
Ammonia, Cold	E	E	E	U	E	U	E	E		
Ammonia, Hot	U	G	G	U	E	U	E	E		
Ammonia, Anhydrous	G	G	E	U	E	U	E	E		
Ammonia, Aqueous	E	E	E	U	E	U	E	E		
Ammonium Carbonate, 10% aq	U	E	E	U	C	U	C	C		
Ammonium Chloride, 10% aq	E	E	E	U	U	U	C	U		
Ammonium Hydroxide, 10% aq	C	C	E	C	G	U	C	C		
Ammonium Nitrate, 10% aq	E	G	E	U	G	U	G	G		
Ammonium Phosphate, 10% aq	E	E	E	—	U	C	G	U		
Ammonium Sulfate/Sulfide, 10% aq	E	E	E	U	U	U	G	U		
Amyl Acetate	U	U	G	U	E	E	E	E		
Amyl Alcohol	G	C	E	G	G	G	E	U		
Aniline, Aniline Oil	U	U	G	U	E	U	E	G		
Aniline Dyes	U	G	G	G	U	C	G	C		
Asphalt, < 200°F	G	C	U	E	E	G	E	C		
IRM 901 Oil	E	E	C	E	E	E	E	E		
IRM 902 Oil	E	G	U	E	E	E	E	E		
IRM 903 Oil	E	C	U	E	E	E	E	E		
Automatic Trans. Fluid	E	C	U	E	E	E	E	E		
Barium Chloride, 10% aq	E	E	E	E	U	G	G	G		
Barium Hydroxide, 10% aq	E	E	E	E	G	U	G	U		
Barium Sulfide, 10% aq	E	E	E	E	C	U	G	U		
Benzene, Benzol	U	U	U	E	G	E	E	G		

Benzoic Acid	U	U	U	E	U	G	G	G
Benzyl Alcohol	U	G	G	E	E	G	E	G
BioDiesel (<B20)	G	C	U	E				
BioDiesel (>B20)	G	C	U	E				
Black Sulfate Liquor	C	C	C	E	E	C	E	U
Blast Furnace Gas	U	U	U	E	E	C	E	U
Borax, 10% aq	G	G	E	E	E	E	E	G
Boric Acid, 10% aq	G	G	G	E	U	G	C	C
Brine	E	G	E	E	U	G	G	U
Bromine, Dry	U	U	U	E	U	C	U	C
Butane	E	C	U	E	E	E	E	E
Butyl Acetate	U	U	G	U	E	E	E	E
Butyl Alcohol	E	E	G	E	G	G	G	G
Butyl Cellosolve	U	U	G	U	E	E	E	E
Butylene (Butene)	C	U	U	E	E	E	E	E
Butyl Stearate	G	U	U	E	G	G	G	G
Butyraldehyde	U	U	G	U	E	E	E	E
Calcium Acetate, 10% aq	G	G	E	U	G	G	G	C
Calcium Bisulfate, 10% aq	E	E	U	E	U	C	C	U
Calcium Chloride, 10% aq	E	E	E	E	G	G	G	C
Calcium Hydroxide, 10% aq	E	E	E	E	G	G	G	U
Calcium Hypochlorite, 10% aq	U	U	E	E	U	G	C	U
Calcium Nitrate, 10% aq	E	E	E	E	G	G	G	G
Carbitol	G	G	G	G	E	E	E	E
Carbolic Acid (Phenol)	U	U	G	E	U	E	E	—
Carbonic Acid	G	E	E	E	U	C	E	G
Carbon Dioxide, Dry Gas	G	G	E	E	E	E	E	E
Carbon Disulfide	U	U	U	E	G	G	G	E
Carbon Monoxide	G	G	E	E	E	E	E	E
Carbon Tetrachloride	U	U	U	E	U	G	G	U
Castor Oil	E	E	G	E	E	E	E	E
Cellosolve Acetate	U	U	G	U	U	U	E	G
China Wood Oil (Tung Oil)	G	G	U	E	E	G	E	E
Chlorine Gas, Dry	U	U	U	G	C	C	C	C
Chloroacetic Acid	U	U	G	U	U	U	U	U
Chloroacetone	U	U	E	U	G	G	G	U
Chlorobenzene	U	U	U	G	G	G	G	G
Chloroform	U	U	U	E	G	G	G	G
O-Chlorophenol	U	U	U	E	G	G	G	U
Chlosulfonic Acid	U	U	U	U	G	U	G	G
Chrome Plating Solution	U	U	G	E	C	U	U	U
Chromic Acid	U	U	C	E	C	U	U	U
Citric Acid	E	E	E	E	C	C	C	C
Coke Oven Gas	U	U	U	E	E	C	E	U
Copper Chloride, 10% aq	E	E	E	E	U	U	U	U
Copper Cyanide, 10% aq	E	E	E	E	E	U	G	U
Copper Sulfate, 10% aq	E	E	E	E	U	C	G	U
Cotton Seed Oil	E	G	C	E	E	E	E	E
Creosote (Coal Tar)	G	C	U	E	E	C	E	E
Crude Oil	E	G	U	E	G	U	G	U
Cyclohexanol	E	G	U	E	E	E	E	C
Cyclohexanone	U	U	G	U	E	E	E	C
Detergent/Water Solution	E	E	E	E	G	E	E	E
Diacetone Alcohol (Acetol)	U	U	E	U	E	E	E	E
Dibenzyl Ether	U	U	G	U	G	G	G	G
Diesel Oil	E	C	U	E	E	E	E	E
Diethylamine	G	G	G	U	E	U	E	—
Diethyl Phthalate (DOP)	U	U	G	G	E	E	E	E
DOT #3 / #4 Brake fluid	C	U	E	U	E	C	E	E

Dowtherm A&E	U	U	U	E	G	U	E	E
Ethyl Alcohol (Ethanol)	E	E	E	E	E	E	E	G
Ethyl Acetate	U	U	G	U	E	E	E	E
Ethyl Benzene	U	U	U	E	E	G	G	G
Ethyl Cellulose	G	G	G	U	E	G	G	G
Ethyl Chloride	U	U	U	E	E	E	E	G
Ethylene Dichloride	U	U	U	G	G	C	G	G
Ethylene Glycol	E	E	E	E	U	G	E	E
Ferric Chloride, 10% aq	E	G	E	E	U	U	U	U
Ferric Nitrate, 10% aq	E	E	E	E	U	U	G	U
Ferric Sulfate, 10% aq	G	G	G	E	U	U	E	U
Formaldehyde	C	C	G	G	E	E	E	G
Formic Acid	C	G	E	U	U	C	C	C
Fuel Oil	E	C	U	E	E	E	E	E
Furfural	C	C	G	U	G	G	G	G
Gallic Acid, Solution	G	G	G	E	U	—	G	C
Gasoline	E	U	U	E	E	E	E	E
Gasohol	G	U	U	E	E	E	E	G
Glycerine/Glycerol	E	E	E	E	E	G	E	E
Green Sulfate Liquor	G	G	E	E	U	U	E	U
Helium (1)	E	E	E	E	E	E	E	E
Heptane	E	G	U	E	E	E	E	E
Hexaldehyde	U	G	G	U	G	G	E	E
Hexane	E	G	U	E	E	E	E	E
Hydraulic Oils, petroleum based	G	C	U	E	E	E	E	E
Ester Blend	E	U	U	E	E	E	E	E
Phos. Ester/Petroleum Blend	U	U	U	C	E	E	E	E
Silicone Oils	E	E	E	E	E	E	E	E
Straight Petroleum Base	E	C	U	E	E	E	E	E
Straight Phosphate Ester	U	U	G	C	E	E	E	E
Water Glycol	E	E	E	E	E	E	E	G
Water Petroleum Emulsion	E	G	U	E	C	E	E	G
Hydrobromic Acid	U	U	E	E	E	U	E	E
Hydrochloric Acid, Cold	U	U	G	E	U	U	U	U
Hydrocyanic Acid	C	C	E	E	E	E	G	E
Hydrofluoric Acid	U	U	C	U	U	U	U	U
Hydrofluorosilic Acid	G	G	E	E	U	U	U	U
Hydrogen	E	E	E	E	E	E	E	E
Hydrogen Peroxide	G	G	G	E	U	U	G	E
Hydrogen Sulfide, Dry	U	G	E	U	E	G	G	G
Isocyanate	U	U	G	E	G	—	G	—
Iso Octane	E	G	U	E	E	E	E	E
Isopropyl Acetate	U	U	G	U	E	—	E	E
Isopropyl Alcohol	G	G	E	E	E	E	E	G
Isopropyl Ether	G	U	U	U	G	G	G	—
JP-4, JP-5	E	U	U	E	E	E	E	E
Kerosene	E	U	U	E	E	E	E	E
Lacquer/Lacquer Solvents	U	U	U	U	U	E	E	E
Lime Sulfur	U	E	E	E	G	U	G	—
Linseed Oil	E	G	U	E	E	E	E	E
LPG	E	G	U	E	E	E	E	E
Magnesium Chloride, 10% aq	E	E	E	E	E	C	C	G
Magnesium Hydroxide, 10% aq	G	G	E	E	E	G	E	G
Magnesium Sulfate, 10% aq	E	E	E	E	E	E	E	E
Maleic Acid	U	U	U	E	E	G	G	G
Maleic Anhydride	U	U	U	E	G	U	E	G
Malic Acid	G	G	U	G	U	—	E	G
Mercuric Chloride	E	E	E	E	U	U	U	U
Mercury	E	E	E	E	E	U	E	U

Methanol	G	G	E	U	G	G	E	C
Methyl Bromide	G	U	U	E	E	E	G	U
Methyl Chloride	U	U	U	E	E	E	E	U
Methyl Butyl Ketone	U	U	E	U	E	E	E	—
Methyl Ethyl Ketone	U	U	E	U	G	G	G	G
Methylene Chloride	U	U	U	G	G	G	G	G
Methyl Isobutyl Ketone	U	U	U	U	G	G	G	G
Methyl Isopropyl Ketone	U	U	U	U	G	G	G	G
Methyl Salicylate	U	U	C	U	E	G	G	E
MIL-L-2104	E	G	U	E	E	E	E	—
MIL-H-5606	E	G	U	E	E	E	E	E
MIL-H-6083	E	E	U	E	E	E	E	—
MIL-L-7808	G	U	U	E	G	G	E	—
MIL-L-23699	G	U	U	E	E	E	E	E
MIL-H-46170	E	G	U	E	E	E	E	—
MIL-H-83282	E	U	U	E	E	E	E	—
Mineral Oils	E	C	U	E	E	E	E	E
Naphtha	C	U	U	E	—	—	—	—
Naphthalene	U	U	U	E	E	G	E	G
Naphthenic Acid	C	U	U	E	—	G	E	G
Natural Gas	E	E	U	E	G	G	G	G
Nickel Acetate, 10% aq	C	C	E	G	G	C	E	G
Nickel Chloride, 10% aq	E	G	E	E	U	U	G	U
Nickel Sulfate, 10% aq	E	E	E	E	U	G	G	U
Nitric Acid, to 10%	U	U	U	E	U	U	E	U
Nitric Acid, over 10%	U	U	U	G	U	U	E	C
Nitrobenzene	U	U	U	G	E	G	E	E
Nitrogen	E	E	E	E	E	E	E	E
Octyl Alcohol	E	E	E	E	E	E	E	E
Oleic Acid	U	U	C	G	C	E	G	C
Oleum, fuming sulfuric acid	U	U	U	E	E	E	E	E
Ortho-Dichlorobenzene	U	U	U	E	G	G	G	G
Oxalic Acid, 10% aq	G	G	E	E	U	C	C	C
Oxygen	—	—	E	E	G	G	G	G
Palmitic Acid	E	G	G	E	G	—	E	G
Para-Dichlorobenzene	U	U	U	E	G	G	G	G
Pentane	E	E	U	E	G	G	G	E
Perchloric Acid	E	G	G	E	U	U	U	U
Perchloroethylene	U	U	U	E	C	G	G	G
Petroleum Base Oils	E	G	U	E	E	E	E	E
Phenol (Carbolic Acid)	U	U	G	E	U	E	E	E
Phosphate Ester	U	U	G	C	E	E	E	E
Phosphoric Acid 20%	U	U	G	E	U	E	U	C
Phosphorous Trichloride	U	U	E	E	C	U	C	E
Potassium Acetate, 10% aq	G	G	E	U	C	G	C	U
Potassium Chloride, 10% aq	E	E	E	E	E	C	E	U
Potassium Cyanide, 10% aq	E	E	E	E	C	U	G	U
Potassium Dichromate, 10% aq	E	E	E	E	C	C	C	C
Potassium Hydroxide, to 10%	G	G	E	G	G	G	G	U
Potassium Hydroxide, over 10%	C	C	E	U	G	G	G	U
Potassium Nitrate, 10% aq	E	E	E	E	G	G	E	G
Potassium Sulfate, 10% aq	E	E	E	E	—	—	—	—
Propane (Liquified)	C	G	—	E	E	E	E	E
Propyl Acetate	U	U	G	U	E	—	E	E
Propyl Alcohol	E	E	E	E	E	E	E	E
Propylene	U	U	U	E	E	E	E	E
Rapeseed oil (B100)	G	C	U	E	—	—	—	—
Refrigerant R-12	G	E	C	E	E	E	E	E
Refrigerant R-13	G	E	C	E	E	E	E	E

Refrigerant R-22	U	E	C	U	E	E	E	E
Refrigerant R-134a	E	C	G	U	E	E	E	E
Sewage	E	E	E	E	G	G	G	G
Silicone Oils	E	E	E	E	E	E	E	E
Soap (Water Solutions)	E	E	E	E	E	E	E	U
Sodium Acetate, 10% aq	G	G	E	U	E	E	G	E
Sodium Bicarbonate, 10% aq	E	E	E	E	G	G	E	G
Sodium Borate, 10% aq	E	E	E	E	E	E	E	G
Sodium Carbonate, 10% aq	E	E	E	E	E	G	E	U
Sodium Chloride, 10% aq	E	E	E	E	U	C	C	C
Sodium Cyanide, 10% aq	E	E	E	E	E	—	C	U
Sodium Hydroxide, to 10%	U	G	E	E	C	G	C	U
Sodium Hydroxide, over 10%	U	U	G	E	C	C	C	U
Sodium Hypochlorite, 10% aq	C	C	E	C	U	U	U	U
Sodium Metaphosphate, 10% aq	E	E	E	E	E	G	G	U
Sodium Nitrate, 10% aq	G	G	E	—	E	C	E	E
Sodium Perborate, 10% aq	G	G	E	E	C	U	C	U
Sodium Peroxide, 10% aq	G	G	E	E	U	U	C	C
Sodium Phosphates, 10% aq	E	E	E	E	U	E	G	U
Sodium Silicate, 10% aq	E	E	E	E	E	E	E	E
Sodium Sulfate, 10% aq	E	E	E	E	C	G	G	G
Sodium Sulfide, 10% aq	E	E	E	E	C	U	C	U
Sodium Thiosulfate, 10% aq	G	E	E	E	U	U	C	G
Soy Bean Oil (B100)	E	C	U	E	E	E	E	E
Stannic Chloride	E	G	E	E	U	U	U	U
Steam (up to 388°F)	U	U	C	C	E	E	E	G
Stearic Acid	G	G	G	E	C	C	E	C
Stoddard Solvent	E	G	U	E	E	E	E	E
Styrene	U	U	U	G	E	E	E	E
Sulfur, Slurry	U	E	E	E	E	U	G	E
Sulfur Chloride, Wet	U	U	U	E	G	—	G	G
Sulfur Dioxide, Dry	U	U	G	E	E	G	G	E
Sulfur Trioxide	U	U	G	E	G	C	G	G
Sulfuric Acid, to 10%	U	G	U	E	U	G	C	—
Sulfuric Acid, over 10%	U	U	U	G	C	C	C	U
Sulfurous Acid	C	C	U	G	U	C	C	C
Tannic Acid	G	E	E	E	E	E	E	C
Tar (Bituminous)	G	U	U	E	E	G	E	E
Tartaric Acid	E	G	G	E	U	C	C	E
Tertiary Butyl Alcohol	G	G	G	E	G	G	G	G
Titanium Tetrachloride	C	U	U	E	E	U	G	U
Toluene (Toluol)	U	U	U	E	E	E	E	E
Trichlorethylene	U	U	U	E	E	G	E	E
Tricresyl Phosphate	U	U	E	G	E	—	C	—
Triethanolamine	E	U	E	U	E	U	E	E
Tung Oil	G	G	U	E	E	G	E	E
Turpentine	G	U	U	E	G	G	G	G
Varnish	G	U	U	E	E	G	E	E
Vinyl Chloride	U	U	U	E	E	U	C	E
Water (to +150°F)	E	E	E	E	C	G	E	G
Water (+151°F to +200°F)	E	E	E	E	C	G	E	G
Water (+201°F to +350°F)	U	U	G	G	C	G	E	G
Water Glycol	E	E	E	E	E	E	E	G
Water Petroleum Emulsion	E	G	U	E	C	E	E	G
Xylene	U	U	U	E	E	E	E	E
Zinc Chloride, 10% aq	E	E	E	E	E	U	U	C
Zinc Sulfate, 10% aq	E	E	E	E	U	C	G	C

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