

## Flat Face Couplings - Technical Data

ISO 16028

### PLT Range - ISO 16028

PLT1 Standard Range (250/315 Bar) ISO Base 6.3 - 50

PLT4 Premier Range (350/500 Bar) ISO Base 5 - 25

PLT6 Ultra High Pressure Range (700 Bar) ISO Base 6.3 - 10

PLTX Standard Range in Stainless Steel (100/400 Bar) ISO Base 6.3 - 50

The PLK4 range of probes has been designed to offer connection to PLT couplings under residual pressure.

A full range of connections are available in BSP, Metric, NPT and UNF thread forms with tube connections from 6 to 30mm tube diameters to DIN 2353. Options include light and heavy thread forms in both short and long (Bulkhead) connections.

### Applications

Flat faced couplings are particularly suitable for agriculture, construction and mobile equipment, mining and general industrial use.

### Features

Heavy duty construction

High working pressures and flow rates low pressure drops

Designed for minimal spillage during connection and disconnection

Locking sleeve provided with safety system preventing accidental disconnection

Easy to keep clean

### General Technical Information

Body and Probe - All steel construction, stressed components nitrided or induction hardened

Finish - Zinc Plated in accordance with EEC directive 2000/53/CE (Chrome 6 free)

Seals - NBR standard. EPDM, Viton and Neoprene on request. (PLTX Viton as standard)

Backing Ring - Teflon

Springs - C98 steel or stainless steel

Contact the sales office for special enquires and further technical information

## Flat Face Couplings - Technical Data

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### Flat Face Couplings - PLT1 Standard Range - Page 004

Standard				Min. Burst Pressure				
Body Size	ISO Base	Ø (mm)	Max. Working Pressure (bar)	Rated Flow (l/m)	Male (bar)	Female (bar)	Coupled (bar)	Fluid Spillage (cc)
1/4"	6.3	6.1	315	12	1800	1260	1430	0.008
1/2"	10	8.7	250	23	1640	1000	1610	0.010
3/4"	12.5	11.2	250	45	1560	1100	1900	0.012
1"	19	15.5	250	100	1400	1100	1400	0.020
1 1/4"	25	18	250	189	1300	1000	1400	0.030
1 1/2"	40	30	250	379	1290	1200	1170	0.050
2"	50	40	250	757	see PLK4	1000	1000	0.100

### Flat Face Couplings - PLTX Stainless Steel Range - Page 005

Standard - Stainless Steel				Min. Burst Pressure				
Body Size	ISO Base	Ø (mm)	Max. Working Pressure (bar)	Rated Flow (l/m)	Male (bar)	Female (bar)	Coupled (bar)	Fluid Spillage (cc)
1/4"	6.3	6.2	400	12	2610	1660	2320	0.008
1/2"	10	8.7	250	23	1450	1050	1980	0.010
3/4"	12.5	11	250	45	1300	1000	1670	0.012
5/8"	16	12.8	250	74	1200	1000	1500	0.015
1"	19	15	250	100	1150	1040	1480	0.020
1 1/4"	25	18	250	189	1000	1000	1000	0.030
1 1/2"	40	30	150	379	600	600	600	0.050
2"	50	40	100	757	400	400	400	0.100

### Flat Face Couplings - PLT4 Premier Range - Page 006 - 009

Premier				Min. Burst Pressure				
Body Size	ISO Base	Ø (mm)	Max. Working Pressure (bar)	Rated Flow (l/m)	Male (bar)	Female (bar)	Coupled (bar)	Fluid Spillage (cc)
1/8"	5	4	500	3	2500	2100	2550	0.006
1/4"	6.3	6.2	400	12	1900	1900	1900	0.008
1/2"	10	8.7	350	23	1560	1780	1600	0.010
3/4"	12.5	11	350	45	1700	1590	1770	0.012
5/8"	16	12.8	350	74	1660	1420	1580	0.015
1"	19	15	350	100	1600	1470	1840	0.020
1 1/4"	25	18	350	189	1470	1400	1530	0.030

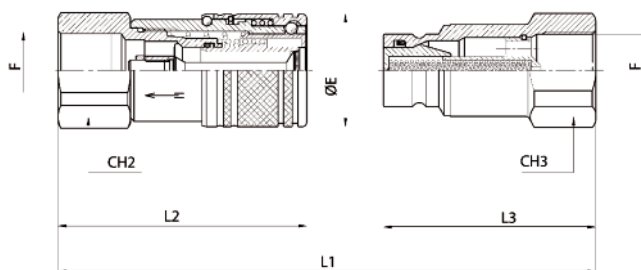
### Flat Face Couplings - PLT6 Ultra High Pressure Range - Page 011

Ultra High Premier				Min. Burst Pressure				
Body Size	ISO Base	Ø (mm)	Max. Working Pressure (bar)	Rated Flow (l/m)	Male (bar)	Female (bar)	Coupled (bar)	Fluid Spillage (cc)
1/4"	6.3	6.2	700	12	2060	2390	2300	0.008
1/2"	10	8.7	700	23	2110	2160	2260	0.010

Contact the sales office for flow and pressure drop characteristics  
For technical advice contact the Prolasa sales office.

# Flat Face Couplings - PLT1 Standard Range

ISO 16028



Body Size	ISO Base	CH2	CH3	øE	Dimensions			Thread Size	Carrier Half Part Number	Probe Half Part Number
					L1	L2	L3			
1/4"	6.3	22	22	28	101.5	58.5	53.5	1/4"	PLT1.0606.002	PLT1.0606.003
1/2"	10	27	27	32	116	67.5	63.5	3/8"	PLT1.1310.002	PLT1.1310.003
1/2"	10	27	27	32	125	72.5	67.5	1/2"	PLT1.1313.002	PLT1.1313.003
3/4"	12.5	36	36	38	138.5	78.5	72	3/4"	PLT1.2019.002	PLT1.2019.003
1"	19	46	41	48	157.5	94	86	3/4"	PLT1.2519.002	PLT1.2519.003
1"	19	46	41	48	157.5	94	86	1"	PLT1.2525.002	PLT1.2525.003
1 1/4"	25	50	50	55	177	109.5	90	1 1/4"	PLT1.3031.002	PLT1.3031.003
1 1/2"	40	70	70	79	210	118.5	119.5	1 1/2"	PLT1.3939.002	PLT1.3939.003
2"	50	80	70	103	290	147.5	119.5	2"	PLT1.5051.112	PLK4.5051.113

**Technical Data**

**Characteristics**

Easy connection and disconnection by pushing the two halves together with one hand only. The locking sleeve is provided with safety-system which makes sure a perfect connection and prevents accidental disconnection.

Dimension 13 (DN13) conforms to HTMA specifications.

All dimensions conform to ISO 16028 standard.

**Threads**

BSP  
NPT on request

**Materials**

See page 002

**Operating and Burst Pressures**

See table on page 003

**Operating Temperature**

NBR seals -25°C to +125°C

**Special Requests**

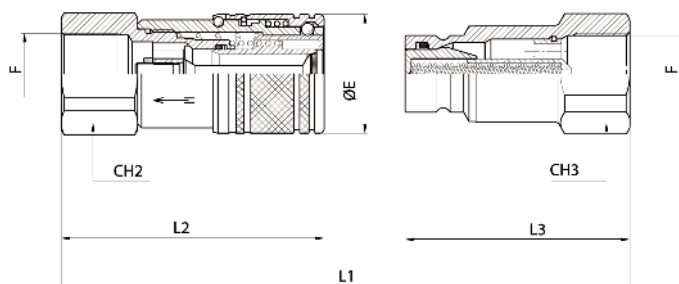
For assistance, contact our technical office. Other seals available on request.



See page 013 for Dust Caps

## Flat Face Couplings - PLTX Stainless Steel Range

ISO 16028



Body Size	ISO Base	Dimensions						Thread Size	Carrier Half Part Number	Probe Half Part Number
		CH2	CH3	øE	L1	L2	L3			
1/4"	6.3	22	22	28	108	59	60	1/4"	PLTX.0606.112	PLTX.0606.113
3/8"	10	27	27	32	126.5	73	69.5	3/8"	PLTX.1310.112	PLTX.1310.113
1/2"	10	27	27	32	126	73	69	1/2"	PLTX.1313.112	PLTX.1313.113
3/4"	12.5	36	36	38	151	87	81.5	1/2"	PLTX.2013.112	PLTX.2013.113
3/4"	12.5	36	36	38	152.5	87	83	3/4"	PLTX.2019.112	PLTX.2019.113
5/8"	16	36	36	42	151.5	86	83	3/4"	PLTX.2219.112	PLTX.2219.113
1"	19	41	41	48	166	97.5	90.5	1"	PLTX.2525.112	PLTX.2525.113
1 1/4"	25	50	50	55	181.5	109.5	95	1 1/4"	PLTX.3031.112	PLTX.3031.113
1 1/2"	40	70	70	79	202	118	112.5	1 1/2"	PLTX.3939.112	PLTX.3939.113
2"	50	80	80	99	259	149	148	2"	PLTX.5051.112	PLTX.5051.113

### Technical Data

#### Characteristics

Easy connection and disconnection by pushing the two halves together with one hand only. The locking sleeve is provided with safety-system which makes sure a perfect connection and prevents accidental disconnection.

Dimension 13 (DN13) conforms to HTMA specifications.

All dimensions conform to ISO 16028 standard.

#### Threads

BSP

NPT on request

#### Materials

See page 002

#### Operating and Burst Pressures

See table page 003

#### Operating Temperature

Viton seals -25°C to +200°C

#### Special Requests

For assistance, contact our technical office.



See page 013 for Dust Caps

HYDRAULIC COUPLINGS

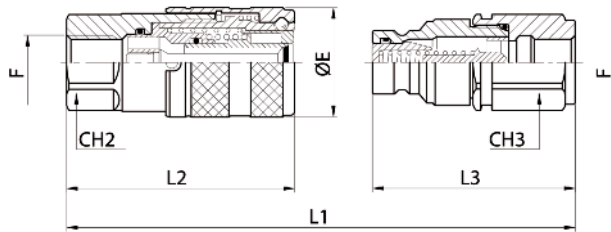


## Flat Face Couplings - PLT4 Premier Range

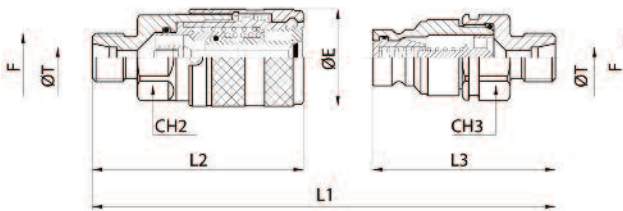
ISO 16208



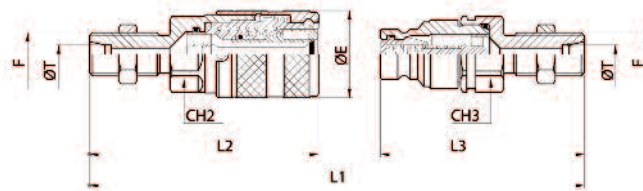
Type - Threaded, G (BSP) - Metric - UNF - Page 007



Type - DIN 2353 Light or Heavy Connections (Short) - Page 008



Type - DIN 2353 Light or Heavy Connections (Bulkhead) - Page 009



### Technical Data

#### Characteristics

PLT4 couplings are manufactured to the ISO 16028 standard. This guarantees:

- interchangeability with other couplings manufactured to this standard.
- maximum operating pressure 350 bar for all sizes
- Safety factor 1:4 coupled and uncoupled reliable operation of the coupling with low pressure drops guaranteed, irrespective of the flow direction, male to female or female to male

#### Threads

Metric - G(BSP)

NPT according to DIN 3852 form Y.

UNF thread according to SAE J1926 norm

Outside metric according to DIN 2353

L(light) or S(heavy).

Outside metric according to DIN 2353

L(light) or S(heavy) bulkhead

#### Materials

See page 002

#### Operating and Burst Pressures

See table page 003

#### Operating Temperature

NBR seals -25°C to +125°C

#### Special Requests

For assistance, contact our technical office.

Other seals available on request.

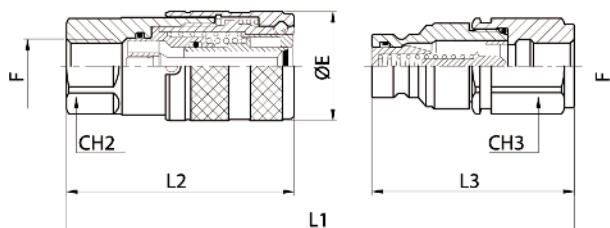


See page 013 for Dust Caps

## Flat Face Couplings - PLT4 Premier Range

Threaded, G (BSP) - NPT - Metric - UNF

ISO 16028



Body Size	ISO Base	CH2	CH3	ØE	Dimensions			Thread Size	Carrier Half Part Number	Probe Half Part Number
					L1	L2	L3			
1/8"	5	17	17	25	84	48.5	43.5	1/8"	PLT4.0404.112	PLT4.0404.113
1/8"	5	17	17	25	84	48.5	43.5	1/8" NPT	PLT4.0404.012	PLT4.0404.013
1/8"	5	17	17	25	88	50.5	45.5	7/16" UNF	PLT4.0404.032	PLT4.0412.033
1/4"	6.3	22	22	28	100	58.5	52	1/4"	PLT4.0606.112	PLT4.0606.113
1/4"	6.3	22	22	28	100	58.5	52	1/4" NPT	PLT4.0606.012	PLT4.0606.013
1/4"	6.3	22	22	28	100	58.5	52	3/8"	PLT4.0610.112	PLT4.0610.113
1/4"	6.3	22	22	28	100	58.5	52	3/8" NPT	PLT4.0610.012	PLT4.0610.013
1/4"	6.3	22	22	28	100	58.5	52	9/16" UNF	PLT4.0615.032	PLT4.0615.033
1/4"	6.3	22	22	28	100	58.5	52	M16x1.5	PLT4.0616.102	PLT4.0616.103
1/4"	6.3	22	22	28	100	58.5	52	M18x1.5	PLT4.0618.102	PLT4.0618.103
1/2"	10	30	30	32	118	73.5	60.5	3/8"	PLT4.1310.112	PLT4.1310.113
1/2"	10	30	30	32	121	73.5	63.5	3/8 NPT"	PLT4.1310.012	PLT4.1310.013
1/2"	10	30	30	32	118	73.5	60.5	1/2"	PLT4.1313.112	PLT4.1313.113
1/2"	10	30	30	32	121	73.5	63.5	1/2" NPT	PLT4.1313.012	PLT4.1313.013
1/2"	10	30	30	32	116.5	72	60.5	9/16" UNF	PLT4.1315.032	PLT4.1315.033
1/2"	10	30	30	32	118	73.5	60.5	M16x1.5	PLT4.1316.102	PLT4.1316.103
1/2"	10	30	30	32	118	73.5	60.5	M18x1.5	PLT4.1318.102	PLT4.1318.103
1/2"	10	30	30	32	118	73.5	60.5	3/4" UNF	PLT4.1319.032	PLT4.1319.033
1/2"	10	30	30	32	119	74.5	60.5	M22x1.5	PLT4.1322.102	PLT4.1322.103
3/4"	12.5	36	36	38	142.5	85	73	1/2"	PLT4.2013.112	PLT4.2013.113
3/4"	12.5	36	36	38	143.5	86	74	1/2" NPT	PLT4.2013.012	PLT4.2013.013
3/4"	12.5	36	36	38	135.5	86	70	3/4" UNF	PLT4.2019.032	PLT4.2019.033
3/4"	12.5	36	36	38	144	88	74.5	3/4"	PLT4.2019.112	PLT4.2019.113
3/4"	12.5	36	36	38	144	87	74.5	3/4" NPT	PLT4.2019.012	PLT4.2019.013
3/4"	12.5	36	36	38	143	86	70.5	M22x1.5	PLT4.2022.102	PLT4.2022.103
3/4"	12.5	36	36	38	142	85	74.5	7/8" UNF	PLT4.2023.032	PLT4.2023.033
3/4"	12.5	36	36	38	144	87	74.5	M26x1.5	PLT4.2026.102	PLT4.2026.103
3/4"	12.5	36	36	38	144	87	74.5	1 1/16" UNF	PLT4.2027.032	PLT4.2027.033
5/8"	16	36	36	42	141.5	86	73	1/2"	PLT4.2213.112	PLT4.2213.113
5/8"	16	36	36	42	142.5	86	74	1/2" NPT	PLT4.2213.012	PLT4.2213.013
5/8"	16	36	36	42	134.5	82	70	3/4" UNF	PLT4.2219.032	PLT4.2219.033
5/8"	16	36	36	42	143	86	74.5	3/4"	PLT4.2219.112	PLT4.2219.113
5/8"	16	36	36	42	143	86	74.5	3/4" NPT	PLT4.2219.012	PLT4.2219.013
5/8"	16	36	36	42	142	85	70.5	M22x1.5	PLT4.2222.102	PLT4.2222.103
5/8"	16	36	36	42	141	84	74.5	7/8" UNF	PLT4.2223.032	PLT4.2223.033
5/8"	16	36	36	42	143	86	74.5	M26x1.5	PLT4.2226.102	PLT4.2226.103
5/8"	16	36	36	42	143	86	74.5	1 1/16" UNF	PLT4.2227.032	PLT4.2227.033
1"	19	41	41	48	154	95	81	3/4"	PLT4.2519.112	PLT4.2519.113
1"	19	41	41	48	154	95	81	3/4" NPT	PLT4.2519.012	PLT4.2519.013
1"	19	41	41	48	161	97	86	1"	PLT4.2525.112	PLT4.2525.113
1"	19	41	41	48	161	97	86	1" NPT	PLT4.2525.012	PLT4.2525.013
1"	19	41	41	48	159	95	86	1 5/16" UNF	PLT4.2533.032	PLT4.2533.033
1 1/4"	25	55	55	55	177	109.5	90	1 1/4"	PLT4.3031.112	PLT4.3031.113
1 1/4"	25	55	55	55	177	109.5	90	1 1/4" NPT	PLT4.3031.012	PLT4.3031.013
1 1/4"	25	55	55	55	177	109.5	90	1 5/8" UNF	PLT4.3041.032	PLT4.3041.033

### Technical Data

#### Materials

See page 002

#### Operating and Burst Pressures

See table page 003

#### Operating Temperature

NBR seals -25°C to +125°C

#### Special Requests

For assistance, contact our technical office.

Other seals available on request.



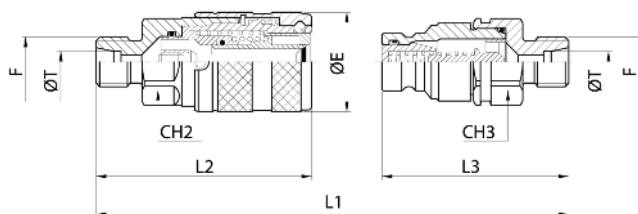
See page 013 for Dust Caps

HYDRAULIC COUPLINGS

## Flat Face Couplings - PLT4 Premier Range

ISO 16208

DIN 2353 Light or Heavy Connections (Short)



### Light Tube

Body Size	ISO Base	CH2	CH3	ØE	Dimensions			Thread	Carrier Half Part Number	Probe Half Part Number	
					L1	L2	L3	Ø Tube			
1/4"	6.3	22	22	28	99	59.5	50	06L	M 12x1.5	PLT4.0612.302	PLT4.0612.303
1/4"	6.3	22	22	28	99	59.5	50	08L	M 14x1.5	PLT4.0614.302	PLT4.0614.303
1/4"	6.3	22	22	28	101	60.5	51	10L	M 16x1.5	PLT4.0616.302	PLT4.0616.303
1/4"	6.3	22	22	28	101	60.5	51	12L	M 18x1.5	PLT4.0618.302	PLT4.0618.303
1/2"	10	30	30	32	114	72.5	57.5	08L	M 14x1.5	PLT4.1314.302	PLT4.1314.303
1/2"	10	30	30	32	116	73.5	58.5	10L	M 16x1.5	PLT4.1316.302	PLT4.1316.303
1/2"	10	30	30	32	116	73.5	58.5	12L	M 18x1.5	PLT4.1318.302	PLT4.1318.303
1/2"	10	30	30	32	118	74.5	59.5	15L	M 22x1.5	PLT4.1322.302	PLT4.1322.303
1/2"	10	30	30	32	118	74.5	59.5	18L	M 26x1.5	PLT4.1326.302	PLT4.1326.303
3/4"	12.5	36	36	38	137.5	85	70	12L	M 18x1.5	PLT4.2018.302	PLT4.2018.303
3/4"	12.5	36	36	38	139.5	86	71	15L	M 22x1.5	PLT4.2022.302	PLT4.2022.303
3/4"	12.5	36	36	38	139.5	86	71	18L	M 26x1.5	PLT4.2026.302	PLT4.2026.303
3/4"	12.5	36	36	38	143.5	88	73	22L	M 30x2	PLT4.2030.302	PLT4.2030.303
5/8"	16	36	36	42	136.5	84	70	12L	M 18x1.5	PLT4.2218.302	PLT4.2218.303
5/8"	16	36	36	42	138.5	85	71	15L	M 22x1.5	PLT4.2222.302	PLT4.2222.303
5/8"	16	36	36	42	138.5	85	71	18L	M 26x1.5	PLT4.2226.302	PLT4.2226.303
5/8"	16	36	36	42	142.5	87	73	22L	M 30x2	PLT4.2230.302	PLT4.2230.303
5/8"	19	41	41	48	146.5	94.5	74	18L	M 26x1.5	PLT4.2526.302	PLT4.2526.303
5/8"	19	41	41	48	150.5	96.5	76	22L	M 30x2	PLT4.2530.302	PLT4.2530.303
5/8"	19	41	41	48	150.5	96.5	76	28L	M 36x2	PLT4.2536.302	PLT4.2536.303

### Heavy Tube

Body Size	ISO Base	CH2	CH3	ØE	Dimensions			Thread	Carrier Half Part Number	Probe Half Part Number	
					L1	L2	L3	Ø Tube			
1/4"	6.3	22	22	28	101	60	52	08S	M 16x1.5	PLT4.0616.402	PLT4.0616.403
1/4"	6.3	22	22	28	101	60	52	10S	M 18x1.5	PLT4.0618.402	PLT4.0618.403
1/4"	6.3	22	22	28	101	60	52	12S	M 20x1.5	PLT4.0620.402	PLT4.0620.403
1/2"	10	30	30	32	118	74.5	59.5	10S	M 18x1.5	PLT4.1318.402	PLT4.1318.403
1/2"	10	30	30	32	118	74.5	59.5	12S	M 20x1.5	PLT4.1320.402	PLT4.1320.403
1/2"	10	30	30	32	122	76.5	61.5	14S	M 22x1.5	PLT4.1322.402	PLT4.1322.403
1/2"	10	30	30	32	122	76.5	61.5	16S	M 24x1.5	PLT4.1324.402	PLT4.1324.403
3/4"	12.5	36	36	38	139.5	86	71	10S	M 18x1.5	PLT4.2018.402	PLT4.2018.403
3/4"	12.5	36	36	38	139.5	86	71	12S	M 20x1.5	PLT4.2020.402	PLT4.2020.403
3/4"	12.5	36	36	38	143.5	88	73	14S	M 22x1.5	PLT4.2022.402	PLT4.2022.403
3/4"	12.5	36	36	38	143.5	88	73	16S	M 24x1.5	PLT4.2024.402	PLT4.2024.403
3/4"	12.5	36	36	38	147.5	90	75	20S	M 30x2	PLT4.2030.402	PLT4.2030.403
5/8"	16	36	36	42	138.5	85	71	10S	M 18x1.5	PLT4.2218.402	PLT4.2218.403
5/8"	16	36	36	42	138.5	85	71	12S	M 20x1.5	PLT4.2220.402	PLT4.2220.403
5/8"	16	36	36	42	142.5	87	73	14S	M 22x1.5	PLT4.2222.402	PLT4.2222.403
5/8"	16	36	36	42	142.5	87	73	16S	M 24x1.5	PLT4.2224.402	PLT4.2224.403
5/8"	16	36	36	42	146.5	89	75	20S	M 30x2	PLT4.2230.402	PLT4.2230.403
1"	19	41	41	48	154.5	98.5	78	20S	M 30x2	PLT4.2530.402	PLT4.2530.403
1"	19	41	41	48	158.5	100.5	80	25S	M 36x2	PLT4.2536.402	PLT4.2536.403
1"	19	46	46	48	160.5	100.5	82	30S	M 42x2	PLT4.2542.402	PLT4.2542.403

### Technical Data

#### Materials

See page 002

#### Threads

Outside metric according to DIN 2353  
L(light) or S(heavy).

#### Operating and Burst Pressures

See table page 003

#### Operating Temperature

NBR seals -25°C to +125°C

#### Special Requests

For assistance, contact our technical office.  
Other seals available on request.

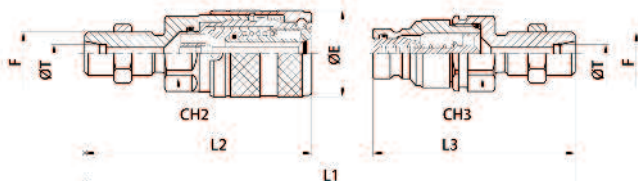


See page 013 for Dust Caps

# Flat Face Couplings - PLT4 Premier Range

ISO 16028

## DIN 2353 Light or Heavy Connections (Bulkhead)



### Light Tube

Body Size	ISO Base	CH2	CH3	øE	Dimensions			Thread	Carrier Half	Probe Half	
					L1	L2	L3	ø Tube	Size	Part Number	Part Number
1/4"	6.3	22	22	28	132	76.5	66	08L	M 14x1.5	PLT4.0614.502	PLT4.0614.503
1/4"	6.3	22	22	28	132	76.5	66	10L	M 16x1.5	PLT4.0616.502	PLT4.0616.503
1/4"	6.3	22	22	28	132	76.5	66	12L	M 18x1.5	PLT4.0618.502	PLT4.0618.503
1/2"	10	30	30	32	146	88.5	73.5	08L	M 14x1.5	PLT4.1314.502	PLT4.1314.503
1/2"	10	30	30	32	146	88.5	73.5	10L	M 16x1.5	PLT4.1316.502	PLT4.1316.503
1/2"	10	30	30	32	146	88.5	73.5	12L	M 18x1.5	PLT4.1318.502	PLT4.1318.503
1/2"	10	30	30	32	148	89.5	74.5	15L	M 22x1.5	PLT4.1322.502	PLT4.1322.503
1/2"	10	30	30	32	148	89.5	74.5	18L	M 26x1.5	PLT4.1326.502	PLT4.1326.503
3/4"	12.5	36	36	38	167.5	100	85	12L	M 18x1.5	PLT4.2018.502	PLT4.2018.503
3/4"	12.5	36	36	38	169.5	101	86	15L	M 22x1.5	PLT4.2022.502	PLT4.2022.503
3/4"	12.5	36	36	38	169.5	101	86	18L	M 26x1.5	PLT4.2026.502	PLT4.2026.503
3/4"	12.5	36	36	38	183.5	108	93	22L	M 30x2	PLT4.2030.502	PLT4.2030.503
5/8"	16	36	36	42	166.5	99	85	12L	M 18x1.5	PLT4.2218.502	PLT4.2218.503
5/8"	16	36	36	42	168.5	100	86	15L	M 22x1.5	PLT4.2222.502	PLT4.2222.503
5/8"	16	36	36	42	168.5	100	86	18L	M 26x1.5	PLT4.2226.502	PLT4.2226.503
5/8"	16	36	36	42	182.5	107	93	22L	M 30x2	PLT4.2230.502	PLT4.2230.503
1"	19	41	41	48	190.5	116.5	96	18L	M 26x1.5	PLT4.2526.502	PLT4.2526.503
1"	19	41	41	48	190.5	116.5	96	22L	M 30x2	PLT4.2530.502	PLT4.2530.503
1"	19	41	41	48	190.5	116.5	96	28L	M 36x2	PLT4.2536.502	PLT4.2536.503

### Heavy Tube

Body Size	ISO Base	CH2	CH3	øE	Dimensions			Thread	Carrier Half	Probe Half	
					L1	L2	L3	ø Tube	Size	Part Number	Part Number
1/4"	6.3	22	22	28	134	77.5	67	08S	M 16x1.5	PLT4.0616.602	PLT4.0616.603
1/4"	6.3	22	22	28	134	77.5	67	10S	M 18x1.5	PLT4.0618.602	PLT4.0618.603
1/4"	6.3	22	22	28	134	77.5	67	12S	M 20x1.5	PLT4.0620.602	PLT4.0620.603
1/2"	10	30	30	32	148	89.5	74.5	10S	M 18x1.5	PLT4.1318.602	PLT4.1318.603
1/2"	10	30	30	32	148	89.5	74.5	12S	M 20x1.5	PLT4.1320.602	PLT4.1320.603
1/2"	10	30	30	32	153	91.5	77.5	14S	M 22x1.5	PLT4.1322.602	PLT4.1322.603
1/2"	10	30	30	32	153	91.5	77.5	16S	M 24x1.5	PLT4.1324.602	PLT4.1324.603
3/4"	12.5	36	36	38	169.5	101	86	10S	M 18x1.5	PLT4.2018.602	PLT4.2018.603
3/4"	12.5	36	36	38	169.5	101	86	12S	M 20x1.5	PLT4.2020.602	PLT4.2020.603
3/4"	12.5	36	36	38	173.5	103	88	14S	M 22x1.5	PLT4.2022.602	PLT4.2022.603
3/4"	12.5	36	36	38	173.5	103	88	16S	M 24x1.5	PLT4.2024.602	PLT4.2024.603
3/4"	12.5	36	36	38	173.5	103	88	20S	M 30x2	PLT4.2030.602	PLT4.2030.603
5/8"	16	36	36	42	168.5	100	86	10S	M 18x1.5	PLT4.2218.602	PLT4.2218.603
5/8"	16	36	36	42	168.5	100	86	12S	M 20x1.5	PLT4.2220.602	PLT4.2220.603
5/8"	16	36	36	42	172.5	102	88	14S	M 22x1.5	PLT4.2222.602	PLT4.2222.603
5/8"	16	36	36	42	172.5	102	88	16S	M 24x1.5	PLT4.2224.602	PLT4.2224.603
5/8"	16	36	36	42	172.5	102	88	20S	M 30x2	PLT4.2230.602	PLT4.2230.603
1"	19	41	41	48	194.5	118.5	98	20S	M 30x2	PLT4.2530.602	PLT4.2530.603
1"	19	41	41	48	198.5	120.5	100	25S	M 36x2	PLT4.2536.602	PLT4.2536.603
1"	19	46	46	48	200.5	120.5	102	30S	M 42x2	PLT4.2542.602	PLT4.2542.603

### Technical Data

#### Materials

See page 002

#### Threads

Outside metric according to DIN 2353  
L(light) or S(heavy) bulkhead

#### Operating and Burst Pressures

See table on page 003

#### Operating Temperature

NBR standard seals -25°C to +125°C

#### Special Requests

For assistance, contact our technical office.

Other seals available on request.



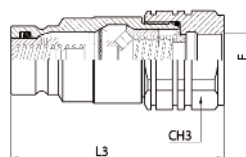
See page 013 for Dust Caps

HYDRAULIC COUPLINGS

## Flat Face Probes - PLK4 Connection Under Pressure Range

Applications: The main feature of these male couplings are that they can be connected to female couplings even if there is residual pressure in the circuit. This makes them suitable for agricultural applications and in hydraulic circuits presenting this type of problem. Can be used with PLT1 and PLT4 couplings.

ISO 16028



Body Size	ISO Base	CH3	L3	Thread Size	Part Number
1/2"	10	30	75	3/8"	PLK4.1310.113
1/2"	10	30	78	3/8" NPT	PLK4.1310.013
1/2"	10	30	75	1/2"	PLK4.1313.113
1/2"	10	30	78	1/2" NPT	PLK4.1313.013
1/2"	10	30	75	9/16" UNF	PLK4.1315.033
1/2"	10	30	75	M 16x1.5	PLK4.1316.103
1/2"	10	30	75	M 18x1.5	PLK4.1318.103
1/2"	10	30	75	3/4" UNF	PLK4.1319.033
1/2"	10	30	75	M 22x1.5	PLK4.1322.103
3/4"	12.5	36	85	1/2"	PLK4.2013.113
3/4"	12.5	36	86	1/2" NPT	PLK4.2013.013
3/4"	12.5	36	82	3/4" UNF	PLK4.2019.103
3/4"	12.5	36	86.5	3/4"	PLK4.2019.113
3/4"	12.5	36	86.5	3/4" NPT	PLK4.2019.013
3/4"	12.5	36	82.5	M 22x1.5	PLK4.2022.103
3/4"	12.5	36	86.5	M 26x1.5	PLK4.2026.103
3/4"	12.5	36	86.5	7/8" UNF	PLK4.2023.033
3/4"	12.5	36	86.5	1 1/16" UNF	PLK4.2027.033
5/8"	16	36	88	1/2"	PLK4.2213.113
5/8"	16	36	89	1/2" NPT	PLK4.2213.013
5/8"	16	36	85	3/4" UNF	PLK4.2219.033
5/8"	16	36	89.5	3/4"	PLK4.2219.113
5/8"	16	36	89.5	3/4" NPT	PLK4.2219.013
5/8"	16	36	85.5	M 22x1.5	PLK4.2222.103
5/8"	16	36	89.5	M 26x1.5	PLK4.2226.103
5/8"	16	36	89.5	7/8" UNF	PLK4.2223.033
5/8"	16	36	89.5	1 1/16" UNF	PLK4.2227.033
1"	19	41	105	3/4"	PLK4.2519.113
1"	19	41	105	3/4" NPT	PLK4.2519.013
1"	19	41	105	1"	PLK4.2525.113
1"	19	41	105	1" NPT	PLK4.2525.013
1"	19	41	106	1 5/16" UNF	PLK4.2533.033
1 1/4"	25	55	120	1 1/4"	PLK4.3031.113
1 1/4"	25	55	120	1 1/4" NPT	PLK4.3031.013
1 1/4"	25	55	120	1 5/8" UNF	PLK4.3041.033
1 1/2"	40	75	153	1 1/2"	PLK4.3939.113
1 1/2"	40	75	153	1 1/2" NPT	PLK4.3939.013
2"	50	80	173	2"	PLK4.5051.113
2"	50	80	173	2" NPT	PLK4.5051.013
2"	50	80	173	SAE 3000	PLK4.5051.002

### Technical Data

#### Material

See Page 002

#### Threads

Metric

BSP

NPT according to DIN 3852 form Y.

UNF thread according to SAE J1926 norm

#### Operating Pressure

DN13-30 350 BAR

DN39-50 250 BAR

#### Burst Pressure

Sizes: DN13, 20, 22 1400 BAR

DN20, 25 1200 BAR

DN39, 50, 1000 BAR

#### Operating Temperature

NBR seals -25°C to +125°C

#### Special Requests

For assistance, contact our technical office.

Other seals available on request.

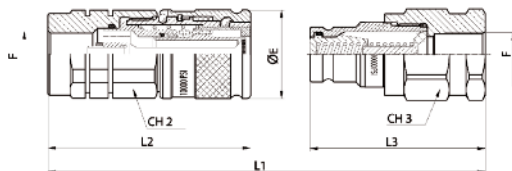


See page 013 for Dust Caps

## Flat Face Couplings - PLT6 Ultra High Pressure Range

Applications: The main feature of these quick release couplings is that they can be used for extremely high working pressures. They represent an effective solution to conventional couplings (PVS and PVM) employed for heavy duty applications such as hydraulic jacks and cylinders.

ISO 16028



### Technical Data

#### Material

See page 002

#### Threads

Metric

BSP

NPT according to DIN 3852 form Y.

UNF thread according to SAE J1926 norm

#### Operating and Burst Pressures

See page 003

#### Operating Temperature

NBR seals -25°C to +125°C

#### Special Requests

For assistance, contact our technical office.

Other seals available on request.



See page 013 for Dust Caps

Body Size	ISO Base	Dimensions							Thread Size	Carrier Half Part Number	Probe Half Part Number
		CH2	CH3	øE	L1	L2	L3				
1/4"	6.3	22	22	28	100	59	52	1/4"	PLT6.0606.112	PLT6.0606.113	
1/4"	6.3	22	22	28	100	59	52	1/4" NPT	PLT6.0606.012	PLT6.0606.013	
1/4"	6.3	22	22	28	100	59	52	9/16" UNF	PLT6.0615.032	PLT6.0615.033	
1/2"	10	30	30	32	118	73	61	3/8"	PLT6.1310.112	PLT6.1310.113	
1/2"	10	30	30	32	121	73	64	3/8" NPT	PLT6.1310.012	PLT6.1310.013	
1/2"	10	30	30	32	118	73	61	9/16" UNF	PLT6.1315.032	PLT6.1315.033	

## Flat Face Screw Couplings - PVT4

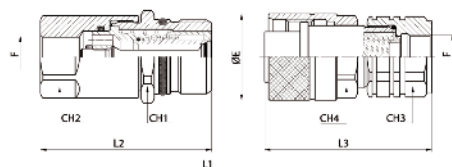
Applications: These couplings are ideal for connecting the high pressure hydraulic circuits of earth moving machinery and similar service vehicles. For their strength PVT4 couplings are also highly recommended for heavy duty industrial applications.

The screw system allows connection with the male or female under pressure.



Carrier

Probe



Body Size	ISO Base	Dimensions						Thread Size	Carrier Half Part Number	Probe Half Part Number
		CH1	CH2/3	CH4	øE	L2	L3			
1/4"	10	36	27	32	35	71	54	1/4"	PVT4.0606.112	PVT4.0606.113
1/2"	10	34	30	32	36	73.5	75	3/8"	PVT4.1310.112	PVT4.1310.113
1/2"	10	34	30	32	36	73.5	75	1/2"	PVT4.1313.112	PVT4.1313.113
3/4"	12.5	41	36	36	42	87	86.5	3/4"	PVT4.2019.112	PVT4.2019.113
3/4"	19	46	41	41	48	97	105	1"	PVT4.2525.112	PVT4.2525.113
1 1/4"	19	46	55	41	76	105	137	1 1/4"	PVT4.3031.112	PVT4.3031.113

### Technical Data

#### Characteristics

Flat face coupling with screw connection, planned and manufactured exclusively for Prolasa. It allows use with a working pressure up to 350 Bar and to be connected with residual pressure in the male up to 250 Bar, even if the female has a residual pressure up to 100 Bar.

#### Material

A wide range of high resistance steels with high stressed components hardened by induction.

Finishing: Yellow zinc plating - Nit-Ox™

Seals: Standard in NBR.

Backing Ring: Teflon

#### Threads

G(BSP) - according to DIN 3852 form Y. NPT, UNF and metric threads on request

#### Operating Pressure

DN13-20 350 BAR

#### Burst Pressure

1400 BAR (coupled ISO 12.5 size)

#### Operating Temperature

NBR seals -25°C to +125°C

#### Special Requests

For assistance, contact our technical office. Other seals available on request.



See page 013 for Dust Caps

## Dust Caps and Plugs for Flat Face Couplings - ISO 16028

Body Size	Colour	Material	Thread	Female Dust Plug	Male Dust Cap
1/4"	Red	PVC	1/4"	PLUG SPLT.06002	CAP SPLT.06003
1/2"	Red	PVC	3/8"	PLUG SPLT.13002	CAP SPLT.13003
1/2"	Red	PVC	1/2"	PLUG SPLT.13002	CAP SPLT.13003
3/4"	Red	PVC	3/4"	PLUG SPLT.20002	CAP SPLT.20003
1"	Red	PVC	1"	PLUG SPLT.25002	CAP SPLT.25003
1 1/4"	Red	PVC	1 1/4"	PLUG SPLT.30002	CAP SPLT.30003



## Dust Caps and Plugs for Flat Face Screen Coupling PVT4

Body Size	Colour	Material	Female Dust Plug	Male Dust Cap
1/2"	-	Aluminium	SPVT 13202	SPVT 13203
3/4"	Red	Polyethylene	SPVV 13002	SPVV 13003
3/4"	-	Aluminium	SPVV 13202	SPVV 13203
5/8"	Red	Polyethylene	SPVV 13002	SPVV 13003
5/8"	-	Aluminium	SPVV 13202	SPVV 13203
1"	-	Aluminium	SPVT 25202	SPVV 25203



## Dust Caps and Plugs for ISO A Norm

Body Size	Colour	Material	Female Dust Plug	Male Dust Cap
1/4"	Red	Polyethylene	SPAV.06002	SPAV.06003
3/8"	Red	PVC	SPAV.10002	SPAV.10003
1/2"	Red	PVC	SPAV.13002	SPAV.13003
3/4"	Red	PVC	SPAV.20002	SPAV.20003
1"	Red	Polyethylene	SPAV.25002	SPAV.25003
1 1/4"	-	Aluminium	SPAV.30203	SPAV.30202
1 1/2"	-	Aluminium	SPAV.39202	SPAV.39203
2"	-	Aluminium	SPAV.50202	SPAV.50203



## Dust Caps and Plugs for ISO B Norm

Body Size	Colour	Material	Female Dust Plug	Male Dust Cap
1/8"	Red	PVC*	SPBV.04002	SPBV.04003
1/4"	Red	PVC*	SPBV.06002	SPBV.06003
3/8"	Red	PVC*	SPBV.10002	SPBV.10003
1/2"	Red	PVC*	SPBV.13002	SPBV.13003
3/4"	Red	PVC*	SPBV.20002	SPBV.20003
1"	Red	PVC*	SPBV.25002	SPBV.25003
1 1/2"	-	Aluminium	SPBV.39002	SPBV.39003
2"	-	Aluminium	SPBV.50002	SPBV.50003

\* Also available in Aluminium

