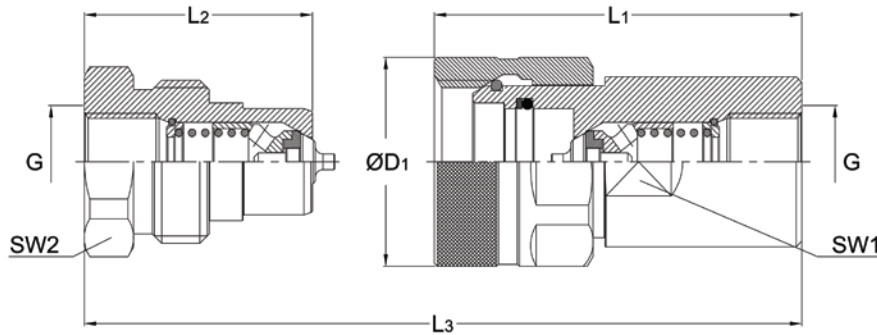
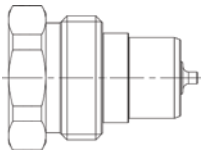


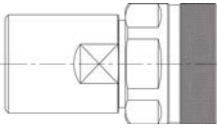
## IRK..

### HIGH PRESSURE SCREW COUPLINGS - UP TO PN 700

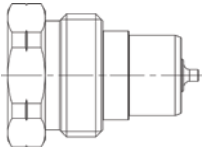


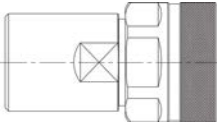
#### THREADED CONNECTIONS UNI/ISO 228:

MALE PART	DN	THREADED ISO 228	CODE	Max working pressure (bar)	L2	L3 CLOSED	SW2	SECTION mm <sup>2</sup>
		06	1/4" G	IRK/M-110-G	700	43	84	25
	10	3/8" G	IRK/M-120-G	700	48	89.5	32	30
	15	1/2" G	IRK/M-130-G	650	53	102	34	65
	20	3/4" G	IRK/M-140-G	500	63	121	46	95
	25	1" G	IRK/M-150-G	460	72	136	50	138
	32	1.1/4" G	IRK/M-160-G	400	86	167	65	387
	40	1.1/2" G	IRK/M-170-G	360	95	190	80	445
	50	2" G	IRK/M-180-G	210	118	227	110	700

FEMALE PART	DN	THREADED ISO 228	CODE	Max working pressure (bar)	L1	L3 CLOSED	SW1	Ø D1	SECTION mm <sup>2</sup>
		06	1/4" G	IRK/F-110-G	700	68	84	22	30
	10	3/8" G	IRK/F-120-G	700	75	89.5	27	40	30
	15	1/2" G	IRK/F-130-G	650	86.5	102	34	45	65
	20	3/4" G	IRK/F-140-G	500	105	121	41	55	95
	25	1" G	IRK/F-150-G	460	120	136	50	60	138
	32	1.1/4" G	IRK/F-160-G	400	153	167	65	80	387
	40	1.1/2" G	IRK/F-170-G	360	170	190	75	98	445
	50	2" G	IRK/F-180-G	210	205	227	100	129	700

#### THREADED CONNECTIONS NPT ASME B1.20.1:

MALE PART	DN	THREADED NPT	CODE	Max working pressure (bar)	L2	L3 CLOSED	SW2	SECTION mm <sup>2</sup>
		06	1/4" N	IRK/M-110-N	700	43	84	25
	10	3/8" N	IRK/M-120-N	700	48	89.5	32	30
	15	1/2" N	IRK/M-130-N	650	53	102	34	65
	20	3/4" N	IRK/M-140-N	500	63	121	46	95
	25	1" N	IRK/M-150-N	460	72	136	50	138
	32	1.1/4" N	IRK/M-160-N	400	86	167	65	387
	40	1.1/2" N	IRK/M-170-N	360	95	190	80	445
	50	2" N	IRK/M-180-N	210	118	227	110	700

FEMALE PART	DN	THREADED NPT	CODE	Max working pressure (bar)	L1	L3 CLOSED	SW1	Ø D1	SECTION mm <sup>2</sup>
		06	1/4" N	IRK/F-110-N	700	68	84	22	30
	10	3/8" N	IRK/F-120-N	700	75	89.5	27	40	30
	15	1/2" N	IRK/F-130-N	650	86.5	102	34	45	65
	20	3/4" N	IRK/F-140-N	500	105	121	41	55	95
	25	1" N	IRK/F-150-N	460	120	136	50	60	138
	32	1.1/4" N	IRK/F-160-N	400	153	167	65	80	387
	40	1.1/2" N	IRK/F-170-N	360	170	190	75	98	445
	50	2" N	IRK/F-180-N	210	205	227	100	129	700

# INDUSTRIAL QUICK COUPLINGS



**IRK..**

HIGH PRESSURE SCREW COUPLINGS - **UP TO PN 700**



### STANDARD CONFIGURATION:

Male Part Valve Seal:	<b>FPM – VITON®</b> (3° digit of the order code = 0)
Female Part Valve Seal:	<b>FPM – VITON®</b> (3° digit of the order code = 0)
Female Part Back-up rings:	<b>P.T.F.E. – TEFLON®</b>
Female Part O-Ring seal:	<b>FPM – VITON®</b> (3° digit of the order code = 0)
Safety factor:	<b>k = 2,5 X Maximum working pressure</b>

### TECHNICAL FEATURES:

Description	Material
Male Part – Body	AISI 316
Female Part – Body	AISI 316
Clamping Lock-Ring	AISI 316
Springs	AISI 316
Poppet	AISI 316
Inner rings	AISI 316
Back-up rings	P.T.F.E.

Descrizione	Materiale	Codice	Temperatura
Valves Poppet Seals	FPM – VITON®	0	-25°C / +200°C
	PTFE – TEFLON®	1	-60°C / +200°C
	EPDM	2	-40°C / +160°C
	NBR	3	-30°C / +100°C
	SILICONE	4	-100°C / +200°C

## KIT-A/B-.. SPARES KIT FOR HIGH PRESSURE SCREW COUPLINGS IRK SERIES

There are 2 types of SPARE-KIT for the internal parts of the male and female couplings:  
KIT A, which is composed of the internal "soft" parts, and the complete kit, called KIT B.

### FOR MALE PART:

#### COMPOSITION KIT-A:

Description	Material
Seal	"See the table"
Spring	AISI 316
Stop ring	AISI 316



#### COMPOSIZIONE KIT-B:

Description	Material
Piston for retaining	AISI 316
Seal	"See the table"
Spring	AISI 316
Back ring	AISI 316
Stop ring	AISI 316



### FOR FEMALE PART:

#### COMPOSITION KIT-A:

Description	Material
Back-up ring	PTFE
O-Ring	"See the table"
Seal	"See the table"
Spring	AISI 316
Stop ring	AISI 316



#### COMPOSITION KIT-B:

Description	Material
Back-up ring	PTFE
O-Ring	"See the table"
Piston for retaining	AISI 316
Seal	"See the table"
Spring	AISI 316
Back ring	AISI 316
Stop ring	AISI 316



### MATERIALS TABLE

Description	Material	Code	Temperature
Seals  Replace the last digit of the code with the one corresponding to the type of desired material	FPM – VITON®	0	-25°C / +200°C
	PTFE – TEFLON®	1	-60°C / +200°C
	EPDM	2	-40°C / +160°C
	NBR	3	-30°C / +100°C
	SILICONE	4	-100°C / +200°C

### HOW TO ORDER:

DN	THREAD	FOR MALE PART		FOR FEMALE PART	
		CODE KIT-A Standard version with VITON® seal	CODE KIT-B Standard version with VITON® seal	CODE KIT-A Standard version with VITON® seal	CODE KIT-B Standard version with VITON® seal
04	1/8"	KIT-A-IRKM100	KIT-B-IRKM100	KIT-A-IRKF100	KIT-B-IRKF100
06	1/4"	KIT-A-IRKM120	KIT-B-IRKM120	KIT-A-IRKF120	KIT-B-IRKF120
10	3/8"	KIT-A-IRKM130	KIT-B-IRKM130	KIT-A-IRKF130	KIT-B-IRKF130
15	1/2"	KIT-A-IRKM140	KIT-B-IRKM140	KIT-A-IRKF140	KIT-B-IRKF140
20	3/4"	KIT-A-IRKM150	KIT-B-IRKM150	KIT-A-IRKF150	KIT-B-IRKF150
25	1"	KIT-A-IRKM160	KIT-B-IRKM160	KIT-A-IRKF160	KIT-B-IRKF160
32	1.1/4"	KIT-A-IRKM170	KIT-B-IRKM170	KIT-A-IRKF170	KIT-B-IRKF170
40	1.1/2"	KIT-A-IRKM180	KIT-B-IRKM180	KIT-A-IRKF180	KIT-B-IRKF180
50	2"	KIT-A-IRKM190	KIT-B-IRKM190	KIT-A-IRKF190	KIT-B-IRKF190

#### Ordering example:

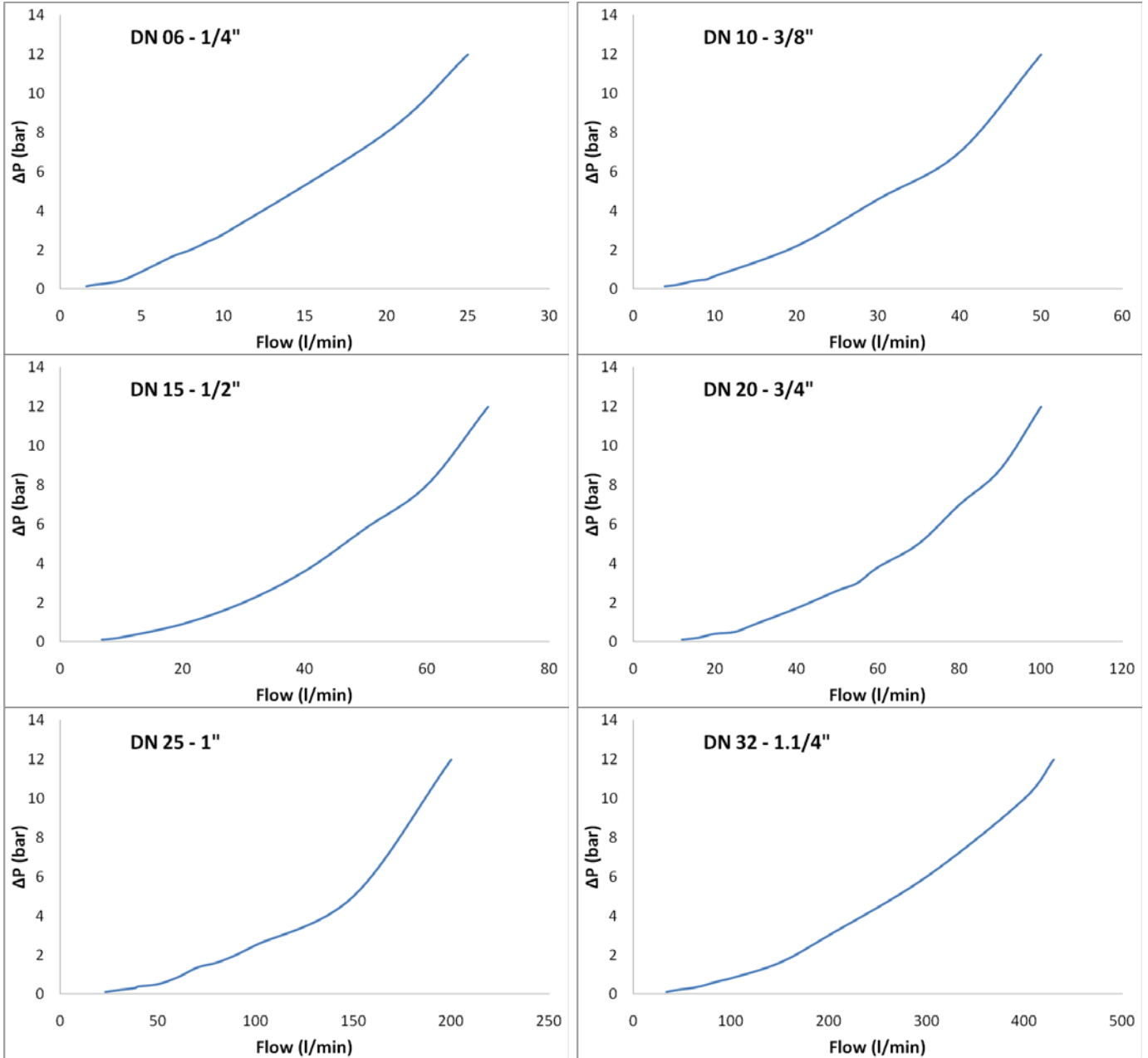
KIT A WITH EPDM SEAL FOR MALE PART DN 3/4": EXACT CODE - KIT-A-IRKM142

KIT B WITH NBR SEAL FOR FEMALE PART DN 1/2": EXACT CODE - KIT-B-IRKF133

**IRK..**

HIGH PRESSURE SCREW COUPLINGS - UP TO PN 700

PRESSURE DROP DIAGRAMS ACCORDING TO ISO 7241-2

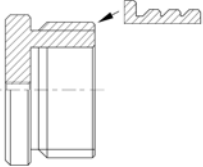


## TAK/F.. TAK/M..

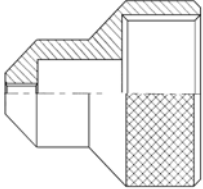
ALUMINIUM CAPS FOR HIGH PRESSURE SCREW COUPLINGS – IRK SERIES



### PLUG FOR FEMALE PART IRK/F..:

	DN	Dimension	ALUMINIUM CODE	STAINLESS STEELCODE
	06	1/4"	TAK/F-110	TAK/F-210
10	3/8"	TAK/F-120	TAK/F-220	
15	1/2"	TAK/F-130	TAK/F-230	
20	3/4"	TAK/F-140	TAK/F-240	
25	1"	TAK/F-150	TAK/F-250	
32	1.1/4"	TAK/F-160	TAK/F-260	
38	1.1/2"			
50	2"			

### CAP FOR MALE PART IRK/M..:

	DN	Dimension	ALUMINIUM CODE	STAINLESS STEELCODE
	06	1/4"	TAK/M-110	TAK/M-210
10	3/8"	TAK/M-120	TAK/M-220	
15	1/2"	TAK/M-130	TAK/M-230	
20	3/4"	TAK/M-140	TAK/M-240	
25	1"	TAK/M-150	TAK/M-250	
32	1.1/4"	TAK/M-160	TAK/M-260	
38	1.1/2"			
50	2"			

> Also available PVC made