



ZUBEHÖR / ACCESSORIES



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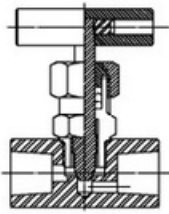
ABSPERRVENTIL / SHUT - OFF - VALVE



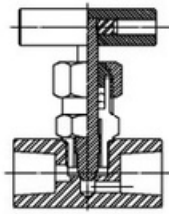
ABSPERRVENTIL / SHUT - OFF - VALVE

KAPITEL 15 Übersicht

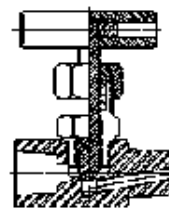
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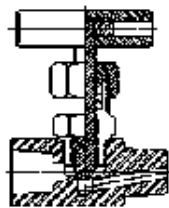
NAV-BSP 15.02



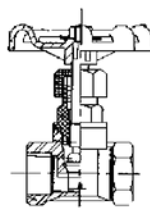
NAV-NPT 15.03



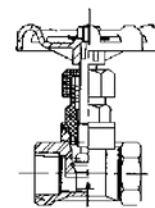
NAV-MF-BSP 15.04



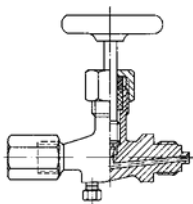
NAV-MF-NPT 15.05



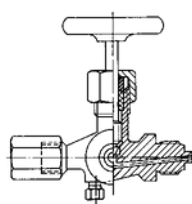
AV-G-BSP 15.06



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MAV-G/M-DIN 16270 15.08



MAV-G/M-DIN16271 15.09

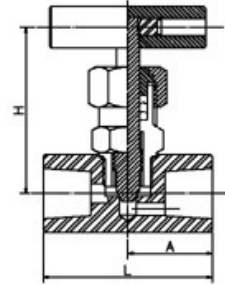
ABSPERRVENTIL / SHUT - OFF - VALVE

NAV - BSPP

Absperrventil
mit beidseitigem Innengewinde
Gewinde: Whitworth-Rohrgewinde-
zyl. Werkstoff: AISI 316

NAV - BSPP

Shut-Off-Valve
With Female Thread Both Sides
Thread: BSPP
Material: AISI 316



Grösse size	T	A	L	H	PN (bar)	Bezeichnung name	Artikel-Nr.: articleno
1/8	G 1/8 "	29,0	58,0	75,0	400	NAV 1/8 BSPP	126444
1/4	G 1/4 "	29,0	58,0	75,0	400	NAV 1/4 BSPP	126738
3/8	G 3/8 "	29,0	58,0	75,0	400	NAV 3/8 BSPP	126739
1/2	G 1/2 "	32,5	65,0	75,0	400	NAV 1/2 BSPP	126740
3/4	G 3/4 "	35,0	70,0	75,0	400	NAV 3/4 BSPP	126741
1	G 1 "	40,0	80,0	75,0	400	NAV 1 BSPP	126742

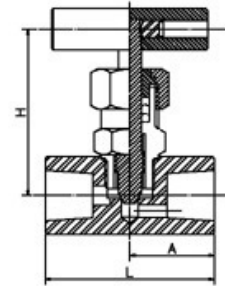
ABSPERRVENTIL / SHUT - OFF - VALVE

NAV - NPT

Absperrventil
mit beidseitigem Innengewinde
Gewinde: NPT
Werkstoff: AISI 316

NAV - NPT

Shut-Off-Valve
With Female Thread Both Sides
Thread: NPT
Material: AISI 316



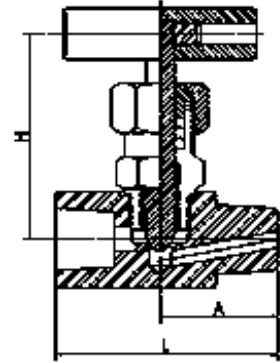
Grösse size	T	A	L	H	PN (bar)	Bezeichnung name	Artikel-Nr articleno
1/8	1/8 " NPT	29	58	75	400	NAV 1/8 NPT	126744
1/4	1/4 " NPT	29	58	75	400	NAV 1/4 NPT	126745
3/8	3/8 " NPT	29	58	75	400	NAV 3/8 NPT	126746
1/2	1/2 " NPT	32,5	65	75	400	NAV 1/2 NPT	126747
3/4	3/4 " NPT	35	70	75	400	NAV 3/4 NPT	126748
1	1 " NPT	40	80	75	400	NAV 1 NPT	126749

ABSPERRVENTIL / SHUT - OFF - VALVE**NAV - MF - BSPP**

Absperrventil
mit Aussengewinde und Innengewinde
Gewinde: Whitworth-Rohrgewinde-
zyl. Werkstoff: AISI 316

NAV - MF - BSPP

Shut-Off-Valve
With Male Thread And Female Thread
Thread: BSPP
Material: AISI 316



Grösse size	T	A	L	H	PN (bar)	Bezeichnung name	Artikel-Nr.: articleno.
1/4	G 1/4 "	31	60	75	400	NAV-MF 1/4 BSPP	208020
3/8	G 3/8 "	37,5	60	75	400	NAV-MF 3/8 BSPP	208025
1/2	G 1/2 "	40	70	87	400	NAV-MF 1/2 BSPP	208027
3/4	G 3/4 "	45	75	90	400	NAV-MF 3/4 BSPP	208028
1	G 1 "	40	85	103	400	NAV-MF 1 BSPP	208029

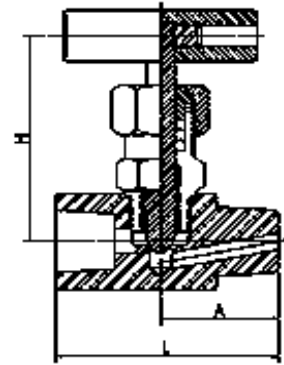
ABSPERRVENTIL / SHUT - OFF - VALVE

NAV - MF - NPT

Absperrventil
mit Aussengewinde und Innengewinde
Gewinde: NPT Werkstoff: AISI 316

NAV - MF - NPT

Shut-Off-Valve
With Male Thread And Female Thread
Thread: NPT
Material: AISI 316



Grösse size	T	A	L	H	PN (bar)	Bezeichnung name	Artikel-Nr articleno.
1/4	1/4 " NPT	31	60	75	400	NAV-MF 1/4 NPT	208031
3/8	3/8 " NPT	37,5	60	75	400	NAV-MF 3/8 NPT	208033
1/2	1/2 " NPT	40	70	87	400	NAV-MF 1/2 NPT	208035
3/4	3/4 " NPT	45	75	90	400	NAV-MF 3/4 NPT	208036
1	1 " NPT	40	85	103	400	NAV-MF 1 NPT	208037

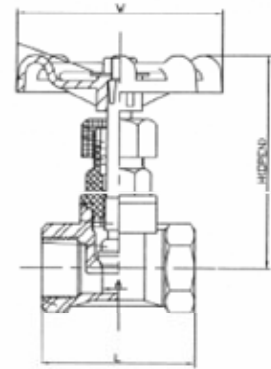
ABSPERRVENTIL / SHUT - OFF - VALVE

AV - G - BSPP

Muffenventil
mit beidseitigem Innengewinde
Gewinde: Whitworth-Rohrgewinde-zyl.
Werkstoff: AISI 316

AV - G - BSPP

Globe Valve
With Female Thread Both Sides
Thread: BSPP
Material: AISI 316



Grösse size	T	A	L	H	PN (bar)	Bezeichnung name	Artikel-Nr.: artículo.
3/8	G 3/8 "	12	52	77	16	AV-G 3/8 BSPP	208038
1/2	G 1/2 "	12	52	79	16	AV-G 1/2 BSPP	208039
3/4	G 3/4 "	15	60	91	16	AV-G 3/4 BSPP	208040
1	G 1 "	20	72	105	16	AV-G 1 BSPP	208044
1.1/4	G 1.1/4 "	25	81	127	16	AV-G 1.1/4 BSPP	208045
1.1/2	G 1.1/2 "	32	90	142	16	AV-G 1.1/2 BSPP	208046
2	G 2 "	40	101	158	16	AV-G 2 BSPP	208047

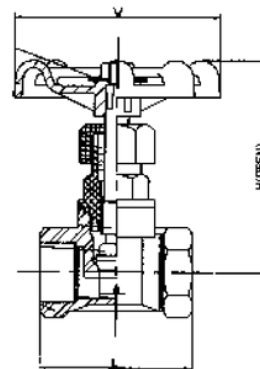
ABSPERRVENTIL / SHUT - OFF - VALVE

AV - G - NPT

Muffenventil
mit beidseitigem Innengewinde
Gewinde: NPT
Werkstoff: AISI 316

AV - G - NPT

Globe Valve
With Female Thread Both Sides
Thread: NPT
Material: AISI 316



Grösse size	T		A	L	H	PN (bar)	Bezeichnung name	Artikel-Nr. articleno.
3/8	3/8	NPT "	12	52	77	16	AV-G 3/8 NPT	208048
1/2	1/2	NPT "	12	52	79	16	AV-G 1/2 NPT	208049
3/4	3/4	NPT "	15	60	91	16	AV-G 3/4 NPT	208050
1	1	NPT "	20	72	105	16	AV-G 1 NPT	208051
1.1/4	1.1/4	NPT "	25	81	127	16	AV-G 1.1/4 NPT	208052
1.1/2	1.1/2	NPT "	32	90	142	16	AV-G 1.1/2 NPT	208054
2	2	NPT "	40	101	158	16	AV-G 2 NPT	208055

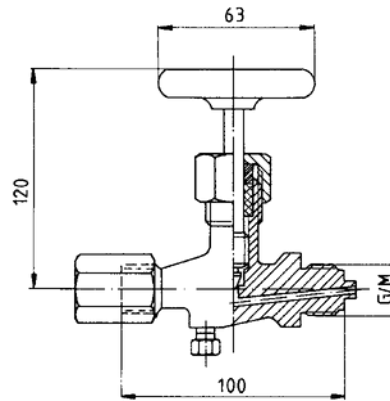
ABSPERRVENTIL / SHUT - OFF - VALVE

MAV - G / M

Manometer-Absperrventil DIN 16270
 ohne Prüfanschluss
 durchgeschmiedete Form Werkstoff: AISI 316

MAV - G / M

Gauge Valve DIN 16270
 Without Connection For Pressure Gauge
 Forged Form
 Material: AISI 316



G/M	ohne Prüfanschluß without connection for pressure gauges DIN 16270	PN (bar)	Bezeichnung description	Artikel-Nr. articleno
1/2" BSPP	- - - - -	630	MAV-G 1/2 - 16270	126796
M 20x1,5	- - - - -	630	MAV-M M 20x1,5 - 16270	208144

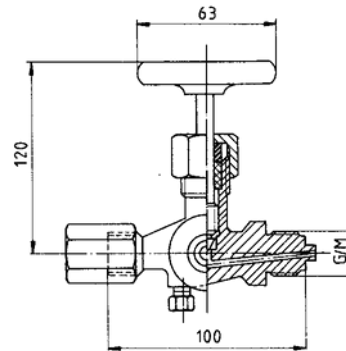
ABSPERRVENTIL / SHUT - OFF - VALVE

MAV - G / M

Manometer-Absperrventil DIN 16271
mit Prüfanschluss
durchgeschmiedete Form Werkstoff:AISI 316

MAV - G / M

Gauge Valve DIN 16271
WithConnectionForPressure Gauge
Forged Form
Material:AISI 316



G/M	mit Prüfanschluß with connection for pressure gauges DIN 16271	PN (bar)	Bezeichnung description	Artikel-Nr. articleno
1/2" BSPP	M 20x1,5 M 20x1,5	630	MAV-G 1/2 -16271	126801
M 20x1,5		630	MAV-M M 20x1,5 -16271	208145

ZUBEHÖRTEILE / ACCESSORIES



ZUBEHÖRTEILE / ACCESSORIES

KAPITEL 16 Übersicht

SECTION 16 Visual Index



Fettpaste
Grease Paste
16.02



Vormontagegerät
Pre Assembling Machine
16.03



Schelle DIN 3015 - 00 bis 08
Clamp DIN 3015 - 00 to 08
16.04



Schelle DIN3015S-30 bis120
Clamp DIN3015S-30 to120
16.05



Schelle DIN 3015-11 bis 55
Clamp DIN 3015-11 to 55
16.06



1 - Ohr - Klemme
One - Ear - Clamp
16.07



2 - Ohr - Klemme
Two - Ear - Clamp
16.08



Doppel-Schlauch-Klemme
Double Tubing Clamp
16.09



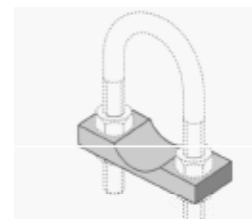
Gelenkbolzenschelle
Joint Bolt Clamp
16.10



Schlauch - Schelle
Hose - Clamp
16.11



Schlauch - Schelle
Hose - Clamp
16.12



Rundstahlbügel
U - Bolt Pipe Hanger
16.13

ZUBEHÖRTEILE / ACCESSORIES

KAPITEL 16 Übersicht

SECTION 16 Visual Index



Manometer
Manometers
16.14



Fittings
Fittings
16.15



Fittings
Fittings
16.16



Fittings
Fittings
16.17

ZUBEHÖRTEILE / ACCESSORIES

FETTPASTE 325

Temperaturbereich:-25°C bis +110°C
speziell für VA-Verschraubungen

GREASE-PASTE 325

Temperature Range:-25°C To +110°C
Especially For Stainless Steel Couplings



FETTPASTE ANTI SEIZE HIGH TECH

Temperaturbereich:-40°C bis +1400°C
speziell für VA-Verschraubungen

GREASE-PASTE ANTI SEIZE HIGH TECH

Temperature Range:-40°C To +1400°C
Especially For Stainless Steel Couplings



FETTPASTE microGLEIT PP 692

Temperaturbereich:-60°C bis +270°C
Höchste Gas- (z.B. Sauerstoff) und Chemikalienbeständigkeit

GREASE-PASTE microGLEIT PP 692

Temperature Range:-60°C To +270°C
Highest Gas- (f.E.Oxygene-Gas) And Chemical Resistance



ZUBEHÖRTEILE / ACCESSORIES

VORMONTAGEGERÄT

VS 642D

Für Schneidringverschraubungen

PRE ASSEMBLING MASCHINE

VS 642 D

ForConeSealing Couplings



Leistung:

- für Rohre von Ø 6 bis Ø 42 mm - geeignet für die Vormontage von Schneidringen - nach DIN 2353

Maschinenausstattung:

- Hydraulikaggregat, gesteuert über 4/3 Wegeventil - Funktion im Tipbetrieb - Betätigung über Handtaster - Druckeinstellung über Druckbegrenzungsventil - Farbe RAL 3000 rot (andere Farben auch möglich) - Vormontagekonen 6 bis 42 mm - Gegenhalteplatten 6 bis 42 mm

Maschinendaten:

- max. Betriebsdruck 200 bar - Betriebsspannung 400 Volt 50 Hz 3 Phasen 1,1 KW

Abmessungen:

- Länge ca. 650 mm
- Breite ca. 450 mm
- Höhe ca. 500 mm
- Gewicht ca. 65 Kg

Technische Ausstattung:

- Antrieb elektrohydraulisch - Normzylinder - Hydraulikkomponenten Mannesmann Rexroth - Elektrikkomponenten Klöckner-Möller

Capacity:

- For tubes from Ø 6 to Ø 42 mm - Suitable for pre-assembling of cutting rings - to DIN 2353

Machineequipment:

- With hydraulic power unit controlled via a 4/3 directional control valve - Manual operation using push buttons - Pressure adjustment via pressure regulation valve according to scale - Colour RAL 3000 red (other colors possible) - Pre-assembly cone 6 to 42 mm - Pre-assembly adaptor 6 to 42 mm

Maschine data:

- Operating pressure 200 bar - Operating voltage 400 Volt 50 Cyl. 3 Ph 1,1 KW

Dimensions:

- Length 650 mm
- Width 450 mm
- Height 500 mm
- Weight 65 Kg

Technical equipment:

- Power electro hydraulic - Standard hydraulic cylinder - Hydraulic components Mannesmann Rexroth - Electric components Klöckner-Möller

ZUBEHÖRTEILE / ACCESSORIES

SCHELLE DIN 3015

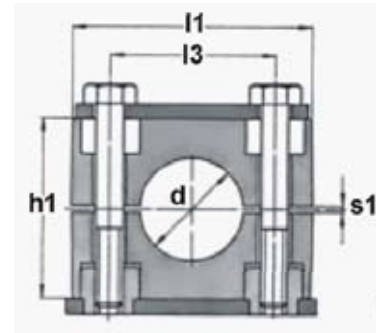
Standard-Bauserie
Baugröße 00 bis 08

CLAMP DIN 3015

Standard-Series
Size 00 To 08



Baugröße 01 bis 08



Size 01 to 08

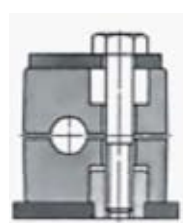
Baugröße/size	Rohr / tube ø	h1	l1	l3	S1	Breite / width	Bezeichnung description	Artikel- Nr.: article no.
00	6	27	28	-	0,4	30	DIN 3015- 00 - 6	208592
	6,4	27	28	-	0,4	30	DIN 3015- 00 - 6,4	208593
	8	27	28	-	0,4	30	DIN 3015- 00 - 8	208594
	9,5	27	28	-	0,4	30	DIN 3015- 00 - 9,5	208595
	10	27	28	-	0,4	30	DIN 3015- 00 - 10	208596
	12	27	28	-	0,4	30	DIN 3015- 00 - 12	208597
01	6	27	37	20	0,4	30	DIN 3015- 01 - 6	208598
	6,4	27	37	20	0,4	30	DIN 3015- 01 - 6,4	208599
	8	27	37	20	0,4	30	DIN 3015- 01 - 8	208600
	9,5	27	37	20	0,4	30	DIN 3015- 01 - 9,5	208601
	10	27	37	20	0,4	30	DIN 3015- 01 - 10	208602
	12	27	37	20	0,4	30	DIN 3015- 01 - 12	208603
02	12,7	33	42	26	0,6	30	DIN 3015- 02 - 12,7	208604
	13,5	33	42	26	0,6	30	DIN 3015- 02 - 13,5	208605
	14	33	42	26	0,6	30	DIN 3015- 02 - 14	208606
	15	33	42	26	0,6	30	DIN 3015- 02 - 15	208607
	16	33	42	26	0,6	30	DIN 3015- 02 - 16	208608
	17,2	33	42	26	0,6	30	DIN 3015- 02 - 17,2	208609
	18	33	42	26	0,6	30	DIN 3015- 02 - 18,1	208610
	19	36	50	33	0,6	30	DIN 3015- 03 - 9	208611
03	20	36	50	33	0,6	30	DIN 3015- 03 - 20	208612
	21,3	36	50	33	0,6	30	DIN 3015- 03 - 21,3	208613
	22	36	50	33	0,6	30	DIN 3015- 03 - 22	208614
	25	36	50	33	0,6	30	DIN 3015- 03 - 25	208615

Baugröße/size	Rohr / tube ø	h1	l1	l3	S1	Breite / width	Bezeichnung description	Artikel- Nr.: article no.
04	26,9	42	59	40	0,6	30	DIN 3015 - 04 - 26,9	208616
	28	42	59	40	0,6	30	DIN 3015 - 04 - 28	208617
	30	42	59	40	0,6	30	DIN 3015 - 04 - 30	208618
	32	58	71	52	0,8	30	DIN 3015 - 05 - 32	208619
05	33,7	58	71	52	0,8	30	DIN 3015 - 05 - 33,7	208620
	35	58	71	52	0,8	30	DIN 3015 - 05 - 35	208621
	38	58	71	52	0,8	30	DIN 3015 - 05 - 38	208622
	40	58	71	52	0,8	30	DIN 3015 - 05 - 40	208623
06	42	58	71	52	0,8	30	DIN 3015 - 05 - 42	208624
	44,5	66	86	66	0,8	30	DIN 3015 - 06 - 44,5	208625
	48,3	66	86	66	0,8	30	DIN 3015 - 06 - 48,3	208626
	50,8	66	86	66	0,8	30	DIN 3015 - 06 - 50,8	208627
07	57,2	93	121	94	0,8	30	DIN 3015 - 07 - 57,2	208628
	60,3	93	121	94	0,8	30	DIN 3015 - 07 - 60,3	208629
	63,5	93	121	94	0,8	30	DIN 3015 - 07 - 63,5	208630
	70	93	121	94	0,8	30	DIN 3015 - 07 - 70	208631
	73	93	121	94	0,8	30	DIN 3015 - 07 - 73	208632
08	76,1	93	121	94	0,8	30	DIN 3015 - 07 - 76,1	208633
	88,9	118	147	120	0,8	30	DIN 3015 - 08 - 88,9	208634
	102	118	147	120	0,8	30	DIN 3015 - 08 - 102	208635

Werkstoffe:
Schellenkörper Polypropylen PP
Deckplatte V4A
Grundplatte V4A
Schrauben V4A



Baugröße 00



Size 00

Materials:
Clamp-Body Polypropylene PP
Cover Plate V4A
Base Plate V4A
Screws V4A

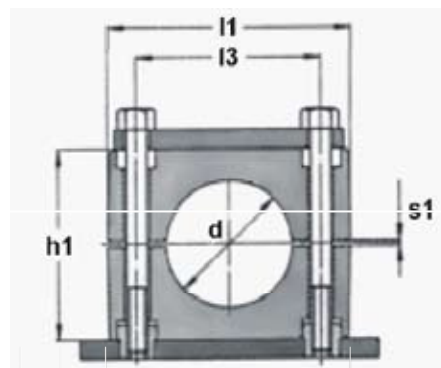
ZUBEHÖRTEILE / ACCESSORIES

SCHELLE DIN 3015

Schwere Bauserie
Baugröße 30 bis 120

CLAMP DIN 3015

Heavy Series
Size 30 To 120



Baugröße/size	Rohr / tube ø	h	l1	l3	s1	Breite / width	Bezeichnung description	Artikel Nr.: article no.
30	6	32	55	33	0,6	30	DIN 3015-S - 30 - 6	208636
	6,4	32	55	33	0,6	30	DIN 3015-S - 30 - 6,4	208637
	8	32	55	33	0,6	30	DIN 3015-S - 30 - 8	208638
	9,5	32	55	33	0,6	30	DIN 3015-S - 30 - 9,5	208639
	10	32	55	33	0,6	30	DIN 3015-S - 30 - 10	208640
	12	32	55	33	0,6	30	DIN 3015-S - 30 - 12	208641
	12,7	32	55	33	0,6	30	DIN 3015-S - 30 - 12,7	208642
	13,5	32	55	33	0,6	30	DIN 3015-S - 30 - 13,5	208643
	14	32	55	33	0,6	30	DIN 3015-S - 30 - 14	208644
	15	32	55	33	0,6	30	DIN 3015-S - 30 - 15	208645
	16	32	55	33	0,6	30	DIN 3015-S - 30 - 16	208646
	17,2	32	55	33	0,6	30	DIN 3015-S - 30 - 17,2	208647
	18	32	55	33	0,6	30	DIN 3015-S - 30 - 18	208648
	19	48	70	45	0,6	30	DIN 3015-S - 40 - 19	208649
	20	48	70	45	0,6	30	DIN 3015-S - 40 - 20	208650
	21,3	48	70	45	0,6	30	DIN 3015-S - 40 - 21,3	208651
	22	48	70	45	0,6	30	DIN 3015-S - 40 - 22	208652
	25	48	70	45	0,6	30	DIN 3015-S - 40 - 25	208653
40	26,9	48	70	45	0,6	30	DIN 3015-S - 40 - 26,9	208654
	28	48	70	45	0,6	30	DIN 3015-S - 40 - 28	208655
	30	48	70	45	0,6	30	DIN 3015-S - 40 - 30	208656
	30	60	85	60	0,6	30	DIN 3015-S - 50 - 30	208657
	32	60	85	60	0,6	30	DIN 3015-S - 50 - 32	208658
	33,7	60	85	60	0,6	30	DIN 3015-S - 50 - 33,7	208659
	35	60	85	60	0,6	30	DIN 3015-S - 50 - 35	208660
	38	60	85	60	0,6	30	DIN 3015-S - 50 - 38	208661
	40	60	85	60	0,6	30	DIN 3015-S - 50 - 40	208662
	42	60	85	60	0,6	30	DIN 3015-S - 50 - 42	208663
50	38	90	115	90	2	45	DIN 3015-S - 60 - 38	208664
	42	90	115	90	2	45	DIN 3015-S - 60 - 42	208665
	44,5	90	115	90	2	45	DIN 3015-S - 60 - 44,5	208666
	48,3	90	115	90	2	45	DIN 3015-S - 60 - 48,3	208667
	50,8	90	115	90	2	45	DIN 3015-S - 60 - 50,8	208668
	55	90	115	90	2	45	DIN 3015-S - 60 - 55	208669

Baugröße/size	Rohr / tube ø	h	l1	l3	s1	Breite / width	Bezeichnung description	Artikel Nr.: article no.
60	57	90	115	90	2	45	DIN 3015-S - 60 - 57	208670
	60,3	90	115	90	2	45	DIN 3015-S - 60 - 60,3	208671
	63,5	90	115	90	2	45	DIN 3015-S - 60 - 63,5	208672
	65	90	115	90	2	45	DIN 3015-S - 60 - 65	208673
	70	90	115	90	2	45	DIN 3015-S - 60 - 70	208674
	65	120	152	122	2	60	DIN 3015-S - 70 - 65	208675
	70	120	152	122	2	60	DIN 3015-S - 70 - 70	208676
	75	120	152	122	2	60	DIN 3015-S - 70 - 75	208677
	76,1	120	152	122	2	60	DIN 3015-S - 70 - 76,1	208678
	80	120	152	122	2	60	DIN 3015-S - 70 - 80	208679
70	82,5	120	152	122	2	60	DIN 3015-S - 70 - 82,5	208680
	88,9	120	152	122	2	60	DIN 3015-S - 70 - 88,9	208681
	88,9	170	206	168	2	80	DIN 3015-S - 80 - 88,9	208682
	100	170	206	168	2	80	DIN 3015-S - 80 - 100	208683
	102	170	206	168	2	80	DIN 3015-S - 80 - 102	208684
	108	170	206	168	2	80	DIN 3015-S - 80 - 108	208685
	114	170	206	168	2	80	DIN 3015-S - 80 - 114	208686
	127	170	206	168	2	80	DIN 3015-S - 80 - 127	208687
	133	170	206	168	2	80	DIN 3015-S - 80 - 133	208688
	133	200	251	205	3	90	DIN 3015-S - 90 - 133	208689
80	140	200	251	205	3	90	DIN 3015-S - 90 - 140	208690
	152	200	251	205	3	90	DIN 3015-S - 90 - 152	208691
	159	200	251	205	3	90	DIN 3015-S - 90 - 159	208692
	165	200	251	205	3	90	DIN 3015-S - 90 - 165	208693
	168	200	251	205	3	90	DIN 3015-S - 90 - 168	208694
	168	270	336	265	3	120	DIN 3015-S - 100 - 168	208695
	177,8	270	336	265	3	120	DIN 3015-S - 100 - 177,8	208696
	193,7	270	336	265	3	120	DIN 3015-S - 100 - 193,7	208697
90	216	270	336	265	3	120	DIN 3015-S - 100 - 216	208698
	219	270	336	265	3	120	DIN 3015-S - 100 - 219	208699
	219	410	470	395	8	162	DIN 3015-S - 110 - 219	208700
	273	410	470	395	8	162	DIN 3015-S - 110 - 273	208701
	324	410	470	395	8	162	DIN 3015-S - 110 - 324	208702
	356	530	630	534	20	182	DIN 3015-S - 120 - 356	208703
100	406	530	630	534	20	182	DIN 3015-S - 120 - 406	208704

Werkstoffe:

Schellenkörper Polypropylen PP
Deckplatte V4A
Grundplatte V4A
Schrauben V4A

Materials:

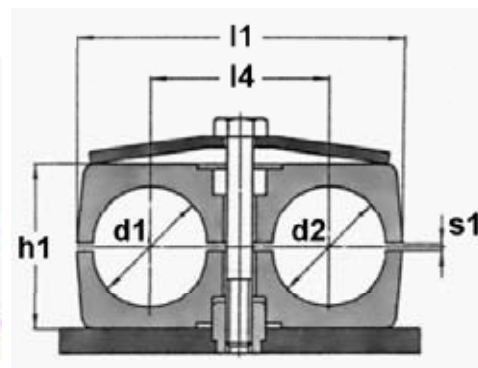
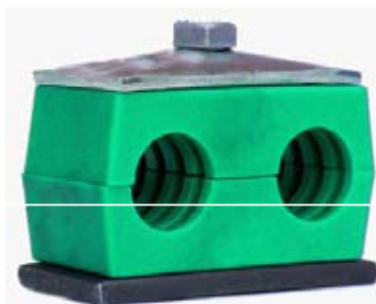
Clamp-Body Polypropylene PP
Cover Plate V4A
Base Plate V4A
Screws V4A

ZUBEHÖRTEILE / ACCESSORIES

SCHELLE DIN 3015

Doppel-Bauserie
Baugröße 11 bis 55

CLAMP DIN 3015

Double-Series
Size 11 To 55


Baugröße size	Rohr ø tube ø	h 1	l 1	l 4	S 1	Breite width	Bezeichnung description	Artikel- Nr.: article no.
11	6	27	36	20	0,6	30	DIN 3015-DO - 11 - 6	208746
	6,4	27	36	20	0,6	30	DIN 3015-DO - 11 - 6,4	208747
	8	27	36	20	0,6	30	DIN 3015-DO - 11 - 8	208748
	9,5	27	36	20	0,6	30	DIN 3015-DO - 11 - 9,5	208749
	10	27	36	20	0,6	30	DIN 3015-DO - 11 - 10	208750
	12	27	36	20	0,6	30	DIN 3015-DO - 11 - 12	208751
22	12,7	27	53	29	0,7	30	DIN 3015-DO - 22 - 12,7	208752
	13,5	27	53	29	0,7	30	DIN 3015-DO - 22 - 13,5	208753
	14	27	53	29	0,7	30	DIN 3015-DO - 22 - 14	208754
	15	27	53	29	0,7	30	DIN 3015-DO - 22 - 15	208756
	16	27	53	29	0,7	30	DIN 3015-DO - 22 - 16	208757
	17,2	27	53	29	0,7	30	DIN 3015-DO - 22 - 17,2	208758
	18	27	53	29	0,7	30	DIN 3015-DO - 22 - 18	208759
33	19	37	67	36	0,7	30	DIN 3015-DO - 33 - 19	208760
	20	37	67	36	0,7	30	DIN 3015-DO - 33 - 20	208761
	21,3	37	67	36	0,7	30	DIN 3015-DO - 33 - 21,3	208762
	22	37	67	36	0,7	30	DIN 3015-DO - 33 - 22	208763
	25	37	67	36	0,7	30	DIN 3015-DO - 33 - 25	208764
44	26,9	40	80	45	0,7	30	DIN 3015-DO - 44 - 26,9	208765
	28	40	80	45	0,7	30	DIN 3015-DO - 44 - 28	208766
	30	40	80	45	0,7	30	DIN 3015-DO - 44 - 30	208767
55	32	53	106	56	0,7	30	DIN 3015-DO - 55 - 32	208768
	33,7	53	106	56	0,7	30	DIN 3015-DO - 55 - 33,7	208769
	35	53	106	56	0,7	30	DIN 3015-DO - 55 - 35	208770
	38	53	106	56	0,7	30	DIN 3015-DO - 55 - 38	208771
	40	53	106	56	0,7	30	DIN 3015-DO - 55 - 40	208773
	42	53	106	56	0,7	30	DIN 3015-DO - 55 - 42	208774

Werkstoffe:
Schellenkörper Polypropylen PP
Deckplatte V4A
Grundplatte V4A
Schrauben V4A

Materials:
Clamp-Body Polypropylene PP
Cover Plate V4A
Base Plate V4A
Screws V4A

ZUBEHÖRTEILE / ACCESSORIES

OHR

Einohrklemme
Werkstoff:V2A

OHR

One Ear Clamp
Material:V2A



Spannbereich bend range		Bezeichnung name	Artikel-Nr.: articleno.
9-11		OHR - 9-11 - W4	208711
10-12		OHR - 10-12 - W4	208712
11-13		OHR - 11-13 - W4	208713
12-14		OHR - 12-14 - W4	208714
14-16		OHR - 14-16 - W4	208715
15-17		OHR - 15-17 - W4	208716
16-18		OHR - 16-18 - W4	208717
17-19		OHR - 17-19 - W4	208718

ZUBEHÖRTEILE / ACCESSORIES

OHR2

Zweiohrklemme
Werkstoff:V2A

OHR2

Two Ear Clamp
Material:V2A



Spannbereich band range		Bezeichnung name	Artikel-Nr. articleno.
5-7		OHR2 - 5-7 - W4	208705
9-11		OHR2 - 9-11 - W4	208706
11-13		OHR2 - 11-13 - W4	208707
13-15		OHR2 - 13-15 - W4	208708
14-17		OHR2 - 14-17 - W4	208709
15-18		OHR2 - 15-18 - W4	208710
17-20		OHR2 - 17-20 - W4	208719
20-23		OHR2 - 20-23 - W4	208720
22-25		OHR2 - 22-25 - W4	208721

ZUBEHÖRTEILE / ACCESSORIES

OHRD

Doppel-Schlauch-Klemme
Werkstoff:V2A

OHRD

DoubleTubing Clamp
Material:V2A



Theoretischer Spannbereich theor. bend range	Breite width	Bezeichnung name	Artikel-Nr.: articleno.
4-5	6,0	OHRD - 4-5 - W4	208722
6-7	6,0	OHRD - 6-7 - W4	208723
8-9	7,0	OHRD - 8-9 - W4	208724
10-11	8,0	OHRD - 10-11 - W4	208725
12-13	8,5	OHRD - 12-13 - W4	208726
14-15	9,0	OHRD - 14-15 - W4	208727
16-17	10,0	OHRD - 16-17 - W4	208728
18-19	10,0	OHRD - 18-19 - W4	208729
20-21	10,0	OHRD - 20-21 - W4	208730
22-23	10,0	OHRD - 22-23 - W4	208731

ZUBEHÖRTEILE / ACCESSORIES

GBS

Gelenkbolzen-Schelle
DIN3017
Werkstoff:V2A

GBS

JointBolt Clamp
DIN3017
Material:V2A



Spannbereich band range	Breite width	Bezeichnung name	Artikel-Nr. articleno.
17-19	18	GBS - 17-19 - W4	208732
20-22	18	GBS - 20-22 - W4	208733
23-25	18	GBS - 23-25 - W4	208734
26-29	18	GBS - 26-29 - W4	208735
29-31	20	GBS - 29-31 - W4	208736
32-35	20	GBS - 32-35 - W4	208737
36-39	20	GBS - 36-39 - W4	208738
40-43	20	GBS - 40-43 - W4	208739
44-47	20	GBS - 44-47 - W4	208740
48-51	20	GBS - 48-51 - W4	208741
52-55	20	GBS - 52-55 - W4	208742
56-59	20	GBS - 56-59 - W4	208743
60-63	20	GBS - 60-63 - W4	208744
64-67	20	GBS - 64-67 - W4	208745

ZUBEHÖRTEILE / ACCESSORIES

SSSchlauch-Schelle
DIN3017

Werkstoff: 1.4571

SSHose Clamp
DIN3017

Material: 1.4571



Spannbereich band range		Bezeichnung name	Artikel-Nr.: article no.
7-11		SS - 7-11 - 5 - W5	208775
8-12		SS - 8-12 - 5 - W5	208776
10-16		SS - 10-16 - 5 - W5	208777
10-18		SS - 10-18 - 5 - W5	208778
12-19		SS - 12-19 - 5 - W5	208779
12-20		SS - 12-20 - 5 - W5	208780
12-22		SS - 12-22 - 5 - W5	208781
16-25		SS - 16-25 - 5 - W5	208782
20-32		SS - 20-32 - 5 - W5	208783
23-35		SS - 23-35 - 5 - W5	208784
25-40		SS - 25-40 - 5 - W5	208785
30-45		SS - 30-45 - 5 - W5	208786
32-50		SS - 32-50 - 5 - W5	208787
40-60		SS - 40-60 - 5 - W5	208788
50-70		SS - 50-70 - 5 - W5	208789
60-80		SS - 60-80 - 5 - W5	208790
70-90		SS - 70-90 - 5 - W5	208791
80-100		SS - 80-100 - 5 - W5	208792
90-110		SS - 90-110 - 5 - W5	208793
100-120		SS - 100-120 - 5 - W5	208794
110-130		SS - 110-130 - 5 - W5	208795
120-140		SS - 120-140 - 5 - W5	208796
130-150		SS - 130-150 - 5 - W5	208797
140-160		SS - 140-160 - 5 - W5	208798
150-170		SS - 150-170 - 5 - W5	208799
160-180		SS - 160-180 - 5 - W5	208800
170-190		SS - 170-190 - 5 - W5	208801
180-200		SS - 180-200 - 5 - W5	208802
190-210		SS - 190-210 - 5 - W5	208803
210-230		SS - 210-230 - 5 - W5	208804
220-240		SS - 220-240 - 5 - W5	208805
230-250		SS - 230-250 - 5 - W5	208806

ZUBEHÖRTEILE / ACCESSORIES

SS

Schlauch-Schelle
DIN3017
Werkstoff: 1.4571

SS

Hose Clamp
DIN3017
Material: 1.4571



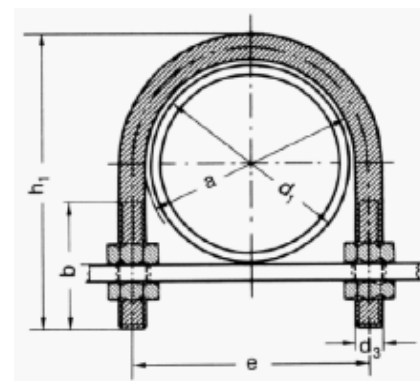
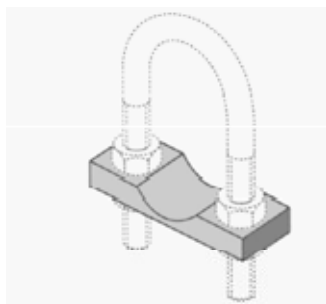
Spannbereich bend range		Bezeichnung name	Artikel-Nr.: article no.
60-80		SS - 60-80 - 20 - W5	208807
70-90		SS - 70-90 - 20 - W5	208808
90-120		SS - 90-120 - 20 - W5	208809
105-130		SS - 105-130 - 20 - W5	208810
122-157		SS - 122-157 - 20 - W5	208811
142-177		SS - 142-177 - 20 - W5	208812
167-202		SS - 167-202 - 20 - W5	208813
192-227		SS - 192-227 - 20 - W5	208814
217-252		SS - 217-252 - 20 - W5	208815
242-277		SS - 242-277 - 20 - W5	208816
267-302		SS - 267-302 - 20 - W5	208817
292-327		SS - 292-327 - 20 - W5	208818

ZUBEHÖRTEILE / ACCESSORIES

RUSTB

Rundstahlbügel
DIN 3570

RUSTB

U-Bolt Pipe Hanger
DIN 3570


Bügel-Innenmaß clamp internal dim. a	Rohr-Außen- pipe outside- ø d 1		Nennweite nominal diam. (NW/DN)	Gewinde thread d3	Maße Rundstahlbügel dimensions U-Bolt Pipe Hanger				Bezeichnung name	Artikel-Nr.: article no.
					a	b	e	h 1		
30	25	R 3/4"	20	M 10	30	40	40	70	RUSTB - 25	208819
30	26,9	R 3/4"	20	M 10	30	40	40	70	RUSTB - 26,9	208820
38	30	R 1"	25	M 10	38	40	48	76	RUSTB - 30	208821
38	33,7	R 1"	25	M 10	38	40	48	76	RUSTB - 33,7	208822
46	38	R 1.1/4"	32	M 10	46	50	56	86	RUSTB - 38	208823
46	42,4	R 1.1/4"	32	M 10	46	50	56	86	RUSTB - 42,4	208824
52	44,5	R 1.1/2"	40	M 10	52	50	62	92	RUSTB - 44,5	208825
52	48,3	R 1.1/2"	40	M 10	52	50	62	92	RUSTB - 48,3	208826
64	57	R 2"	50	M 12	64	50	76	109	RUSTB - 57	208827
64	60,3	R 2"	50	M 12	64	50	76	109	RUSTB - 60,3	208828
82	76,1	R 2.1/2"	65	M 12	82	50	94	125	RUSTB - 76,1	208829
94	88,9	R 3"	80	M 12	94	50	106	138	RUSTB - 88,9	208830
120	108	R 4"	100	M 16	120	60	136	171	RUSTB - 108	208831
120	114,3	R 4"	100	M 16	120	60	136	171	RUSTB - 114,3	208832
148	133	R 5"	125	M 16	148	60	164	191	RUSTB - 133	208833
148	139,7	R 5"	125	M 16	148	60	164	191	RUSTB - 139,7	208834
176	159	R 6"	150	M 16	176	60	192	217	RUSTB - 159	208835
176	168,3	R 6"	150	M 16	176	60	192	217	RUSTB - 168,3	208836
202	191	R 7"	175	M 16	202	60	218	249	RUSTB - 191	208837
202	193,7	R 7"	175	M 16	202	60	218	249	RUSTB - 193,7	208838
228	216	R 8"	200	M 20	228	70	248	283	RUSTB - 216	208839
228	219,1	R 8"	200	M 20	228	70	248	283	RUSTB - 219,1	208840
282	267	R 10"	250	M 20	282	70	302	334	RUSTB - 267	208841
282	273	R 10"	250	M 20	282	70	302	334	RUSTB - 273	208842
332	318	R 12"	300	M 20	332	70	352	385	RUSTB - 318	208843
332	323,9	R 12"	300	M 20	332	70	352	385	RUSTB - 323,9	208844
378	355,6	R 14"	350	M 24	378	70	402	435	RUSTB - 355,6	208845
378	368	R 14"	350	M 24	378	70	402	435	RUSTB - 368	208846
428	406,4	R 16"	400	M 24	428	70	452	487	RUSTB - 406,4	208847
428	419	R 16"	400	M 24	428	70	452	487	RUSTB - 419	208848
530	508	R 20"	500	M 24	530	70	554	589	RUSTB - 508	208849
530	521	R 20"	500	M 24	530	70	554	589	RUSTB - 521	208850

Werkstoffe:

Rohrunterlage lang PP
Rundstahlbügel V4A
Muttern DIN 934 V4A

Materials:

Pipe Mat Long PP
U-Bolt Pipe Hanger V4A
Nut DIN 934 V4A

ZUBEHÖRTEILE / ACCESSORIES

Manometer

Druckmessgerät mit Rohrfeder
Typ 111.10, Anschluss radial
unten Standardausführung



Manometers

Bourdon tube pressure gauge
Type 111.10, radial pressure
entry Standard series

Druckmessgerät mit Rohrfeder
Typ 111.12, Anschluss rückseitig
Standardausführung



Bourdon tube pressure gauge
Type 111.12, centre back
pressure Standard series

Druckmessgerät mit Rohrfeder
Typ 312.20, Klasse 06
Feinmessauführung



Bourdon tube pressure gauge
Type 312.20, class 06 Trim
gauge

Thermometer

Bimetall-Thermometer
Typ 50 Standardausführung



Bimetal-athermometer
Type 50 Standard series

Bimetall-Thermometer
Typ 52 Industrieausführung



Bimetal-athermometer
Type 52 Industrial series

ZUBEHÖRTEILE / ACCESSORIES

Fittings

Fittings

Art.-Nr: 308 ...	Art.-Nr: 309 ...	Art.-Nr: 310 ...	Art.-Nr: 340 ...
			
Anschweißnippel Screwed end 1.4301 / 1.4571 Whitworth-Rohrgewinde DIN 2999 1/8" - 6"	Rohnippel Parallel nipple DIN 2982 - 1.4301 / 1.4571 Whitworth-Rohrgewinde ISO 228 1/8" - 5"	Rohrdoppelnippel Barrel nipple 1.4301 / 1.4571 Whitworth-Rohrgewinde DIN 2999 1/8" - 6" (30-6000mm)	Sechskant-Doppelnippel Hexagon nipple DIN 2990 - 1.4401 Whitworth-Rohrgewinde DIN 2999 1/8" - 4"
Art.-Nr: 341 ...	Art.-Nr: 337 ...	Art.-Nr: 333 ...	Art.-Nr: 334 ...
			
Reduzier-Doppelnippel Hexagon reducing nipple 1.4401 Whitworth-Rohrgewinde DIN 2999 1/8" - 4"	Schlauchtüllen Hose nipple 1.4401 Whitworth-Rohrgewinde ISO 228 1/8" - 3"	Muffen Sockets DIN 2986 - 1.4301/1.4571 Whitworth-Rohrgewinde DIN 2999 1/8" - 6"	Halbe Muffen Half sockets DIN 2986 - 1.4301/1.4571 Whitworth-Rohrgewinde DIN 2999 1/8" - 6"
Art.-Nr: 335 ...	Art.-Nr: 2616 N ...	Art.-Nr: 327 ...	Art.-Nr: 2642 G ...
			
Reduziermuffen Reducing sockets DIN2988 - 1.4401 Whitworth-Rohrgewinde DIN 2999 1/4" - 5"	Kon-/exzentrische Reduzierstücke Con-/excentric reducers DIN 2616, NW 20-1000 1.4541 / 1.4571 1,5 - 10 mm Wandstärke	Sechskantmuttern Hexagon flat nut DIN 431 - 1.4571 Whitworth-Rohrgewinde DIN 228 1/8" - 3"	Verschweißbördel Collar DIN 2642 NW 10-800 1.4541 / 1.4571 1,5 - 6 mm Wandstärke

ZUBEHÖRTEILE / ACCESSORIES

Fittings

Fittings

Art.-Nr: 329 ...	Art.-Nr: 325 ...	Art.-Nr: 330 ...	Art.-Nr: 326 ...
			
Vierkantstopfen Square plug DIN 2991 - 1.4401 Whitworth-Rohrgewinde DIN 2999 1/8" - 4"	Reduzierstücke Hexagon bushing DIN 2990 - 1.4401 Whitworth-Rohrgewinde DIN 2999 1/4" - 4"	Sechskantstopfen Hexagon plug 1.4401 Whitworth-Rohrgewinde DIN 2999 1/8" - 4"	Sechskant-Kappen Hexagon cap DIN 2991 - 1.4401 Whitworth-Rohrgewinde DIN 2999 1/8" - 4"
Art.-Nr: 311,312 ...	Art.-Nr:311,312 -IA	Art.-Nr:311,312 -IS	Art.-Nr:311,312 -AS
			
Verschraubungen Union internal thread 311=flach dichtend/flat seat 312=konisch dichtend/con.seat beiderseits Innengew. 1/4" - 4" - DIN 2999 - 1.4401	Verschraubungen Union int./ ext. thread 311=flach dichtend/flat seat 312=konisch dichtend/con.seat Innengew./ Aussengew. 1/4" - 4" - DIN 2999 - 1.4401	Verschraubungen Union int.thread/butt weld 311=flach dichtend/flat seat 312=konisch dichtend/con.seat Innengew./ Schweißende 1/8" - 4" - DIN 2999 - 1.4401	Verschraubungen Union ext. thread/butt weld 311=flach dichtend/flat seat 312=konisch dichtend/con.seat Aussengew./ Schweißende 1/4" - 4" - DIN 2999 - 1.4401
Art.-Nr:311,312 -S	Art.-Nr: 2576 ...	Art.-Nr: 2566 ...	Art.-Nr: 2642 F ...
			
Verschraubungen Union butt weld end 311=flach dichtend/flat seat 312=konisch dichtend/con.seat 10,2-114,2 mm äußerer Rohrdurchmesser - 1.4401	Glatte Flansche Plane welding flange DIN 2573 - 2576 1.4541 - 1.4571 ND 6-10 NW 10-300	Gewinde Flansche Threaded flange DIN 2566 ND 10/16 DIN 2567 ND 25/40 1.4541 - 1.4571 1/2"-4"	Lose Flansche Loose flange DIN 2641/2642 1.4541 - 1.4571 ND 6 und 10 NW 10-1000

ZUBEHÖRTEILE / ACCESSORIES

Fittings

Fittings

Art.-Nr: 2605 ...	Art.-Nr: 2605 N ...	Art.-Nr: 305 ...	Art.-Nr: 301 ...
			
Ein-/Zweinahtbogen Welded bend DIN 2605/2606, 90° 10 - 808 mm ä. ø 1.4541 / 1.4571 1,5 - 6 mm Wandstärke	Nahtlose Rohrbogen Seamless bend DIN 2605/2606, 90° 10 - 219, 1 mm ä. ø 1.4541 / 1.4571 1,5-8,18mm Wandstärke	Bogen90°(Gew.-krümmer) Bend 90° DIN 2983 - 1.4571 Whitworth-Rohrgewinde DIN 2999 1/8" - 3"	Winkel 90° Elbow DIN 2987 - 1.4401 Whitworth-Rohrgewinde DIN 2999 1/8" - 4"
Art.-Nr: 304 ...	Art.-Nr: 303 ...	Art.-Nr: 307 ...	Art.-Nr: 302 ...
			
Winkel 90° Street elbow DIN 2987 - 1.4401 Whitworth-Rohrgewinde DIN 2999 1/8" - 4"	Winkel 45° Elbow 45° DIN 2987 - 1.4401 Whitworth-Rohrgewinde DIN 2999 1/8" - 4"	T - Stücke Tee DIN 2987 - 1.4401 Whitworth-Rohrgewinde DIN 2999 1/8" - 4"	Kreuzstücke Crosses DIN 2987 - 1.4401 Whitworth-Rohrgewinde DIN 2999 1/4" - 4"
Art.-Nr: 2615 ...	Art.-Nr: 2615 N ...		
			
Geschweißte T - Stücke Welded tee DIN 2615 NW 10 - 1000 1.4541 / 1.4571 1,5 - 10 mm Wandstärke	Nahtlose T - Stücke Seamless tee DIN 2615 NW 10 - 200 1.4541 / 1.4571 1,5 - 4 mm Wandstärke		

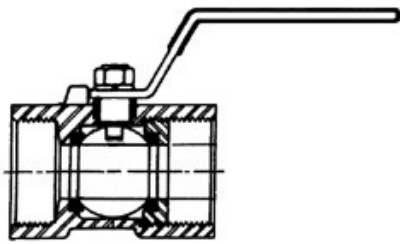
NIEDERDRUCK - KUGELHAHN / LOW PRESSURE BALL VALVE



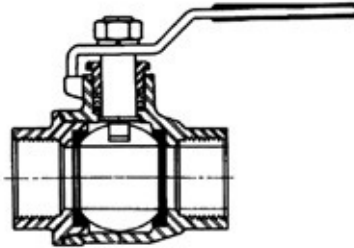
NIEDERDRUCK - KUGELHAHN / LOW PRESSURE BALL VALVE

KAPITEL 17 Übersicht

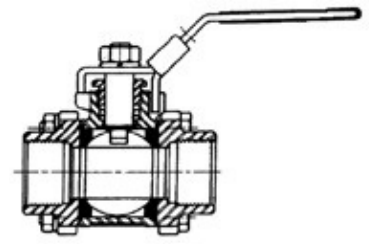
SECTION 17 Visual Index



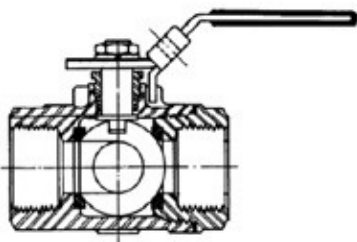
NKR-G 17.02



NKH-G 17.03



NKH3T-G 17.04



NKH3W-G 17.05

NIEDERDRUCK - KUGELHAHN / LOW PRESSURE BALL VALVE

NKR - G

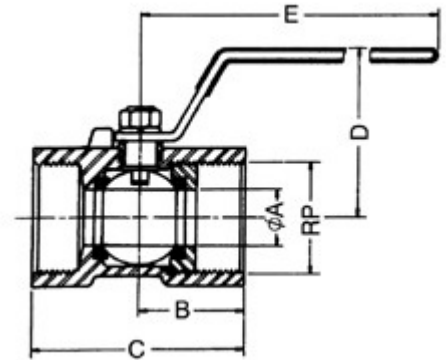
Niederdruck-Kugelhahn, einteilig
mit beidseitigem Innengewinde
Gewinde: Whitworth-Rohrgewinde-zyl.

Werkstoff: AISI 316

NKR - G

LowPressureBall Valve, One Piece
With Female Thread Both Sides
Thread: BSPP

Material: AISI 316



ø A	Rp	B	C	D	E	PN (bar)	Bezeichnung name	Artikel-Nr.: articleno.
4,6	G 1/4 "	19,5	39	32	80	55	NKR-G 1/4	126757
6,8	G 3/8 "	22	44	36	80	55	NKR-G 3/8	126758
9,2	G 1/2 "	28	56	42	92	55	NKR-G 1/2	126759
12,5	G 3/4 "	29,5	59	45	92	55	NKR-G 3/4	126760
15	G 1 "	35,5	71	50	105	55	NKR-G 1	126761
20	G 1.1/4 "	39	78	54	105	55	NKR-G 1.1/4	126762
25	G 1.1/2 "	41,5	83	65	129	55	NKR-G 1.1/2	126763
32	G 2 "	50	100	72	129	55	NKR-G 2	126764
38	G 2.1/2 "	66	132	83	190	55	NKR-G 2.1/2	208102
20	G 3 "	76	152	92	190	55	NKR-G 3	208103

NIEDERDRUCK - KUGELHAHN / LOW PRESSURE BALL VALVE

NKH - G

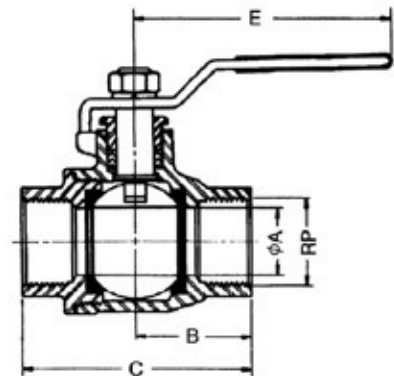
Niederdruck-Kugelhahn, zweiteilig
mit beidseitigem Innengewinde
Gewinde: Whitworth-Rohrgewinde-zyl.

Werkstoff: AISI 316

NKH - G

LowPressureBall Valve, Two Piece
With Female Thread Both Sides
Thread: BSPP

Material: AISI 316



ø A	Rp	B	C	E	PN (bar)	Bezeichnung name	Artikel-Nr.: articleno.
11,6	G 1/4 "	28,5	57	105	63	NKH-G 1/4	126770
12,7	G 3/8 "	28,5	57	105	63	NKH-G 3/8	126771
15	G 1/2 "	31,5	63	105	63	NKH-G 1/2	126772
20	G 3/4 "	37,5	75	130	63	NKH-G 3/4	208104
25	G 1 "	44,5	89	145	63	NKH-G 1	126773
32	G 1.1/4 "	52,5	105	145	63	NKH-G 1.1/4	126774
38	G 1.1/2 "	59	118	190	63	NKH-G 1.1/2	126775
50,8	G 2 "	68	136	190	63	NKH-G 2	126776
65	G 2.1/2 "	80	160	230	63	NKH-G 2.1/2	208105
76	G 3 "	92,5	185	230	63	NKH-G 3	208106
100	G 4 "	110	220	251	63	NKH-G 4	208107

NIEDERDRUCK - KUGELHAHN / LOW PRESSURE BALL VALVE

NKH3T - G

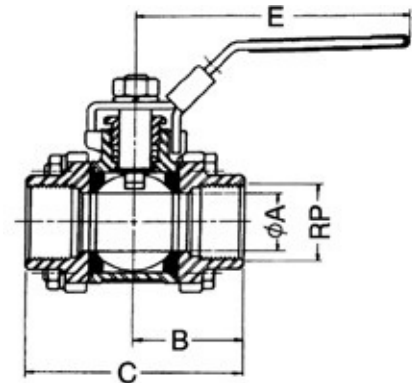
Niederdruck-Kugelhahn, dreiteilig
mit beidseitigem Innengewinde
Gewinde: Whitworth-Rohrgewinde-zyl.

Werkstoff: AISI 316

NKH3T - G

LowPressureBall Valve, Three Piece
With Female Thread Both Sides
Thread: BSPP

Material: AISI 316



ø A	Rp	B	C	E	PN (bar)	Bezeichnung name	Artikel-Nr.: articleno.
11,6	G 1/4 "	36	72	105	63	NKH3T-G 1/4	126778
12,7	G 3/8 "	36	72	105	63	NKH3T-G 3/8	126779
15	G 1/2 "	36	72	105	63	NKH3T-G 1/2	126780
20	G 3/4 "	42,5	85,0	130,0	63	NKH3T-G 3/4	126781
25	G 1 "	45,5	91,0	145,0	63	NKH3T-G 1	126782
32	G 1.1/4 "	54	108	145	63	NKH3T-G 1.1/4	126783
38	G 1.1/2 "	62,5	125	190	63	NKH3T-G 1.1/2	126784
50,8	G 2 "	71	142	190	63	NKH3T-G 2	126785
65	G 2.1/2 "	86,5	173	251	63	NKH3T-G 2.1/2	126786
76	G 3 "	96,5	193	251	63	NKH3T-G 3	126787
100	G 4 "	110	220	251	63	NKH3T-G 4	126788

NIEDERDRUCK - KUGELHAHN / LOW PRESSURE BALL VALVE

NKH3W - G

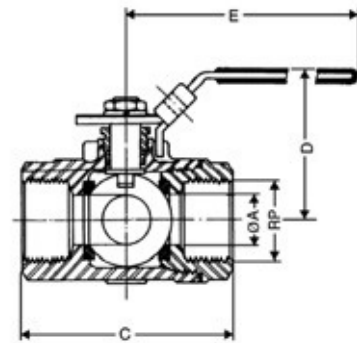
3-Wege-Niederdruck-Kugelhahn
mit Innengewinde
Gewinde: Whitworth-Rohrgewinde-zyl.

Werkstoff: AISI 316

NKH3W - G

3-Way-LowPressure Ball Valve
With Female Thread
Thread: BSPP

Material: AISI 316



ø A	Rp	B	C	D	E	PN (bar)	Bezeichnung name	Artikel-Nr.: artículo.
12,7	G 3/8 "	30	60	56	110	68	NKH3W-G 3/8	126789
12,7	G 1/2 "	30	60	56	110	68	NKH3W-G 1/2	126790
16	G 3/4 "	38	74	64	130	68	NKH3W-G 3/4	126791
20	G 1 "	41	82	66	130	68	NKH3W-G 1	126792
25	G 1.1/4 "	61	96	78	145	68	NKH3W-G 1.1/4	126793
32	G 1.1/2 "	61	112	83	150	68	NKH3W-G 1.1/2	126794
38,1	G 2 "	69	138	88	150	68	NKH3W-G 2	126795

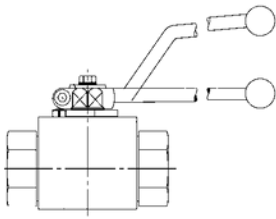
HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE



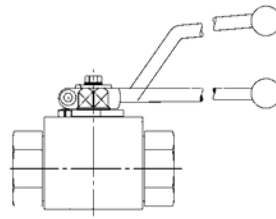
HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE

KAPITEL 18 Übersicht

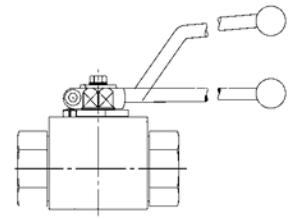
SECTION 18 Visual Index



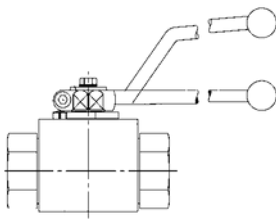
BKH - G 18.02



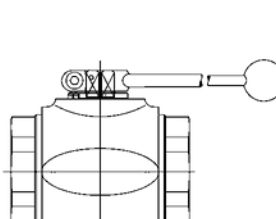
BKH - NPT 18.03



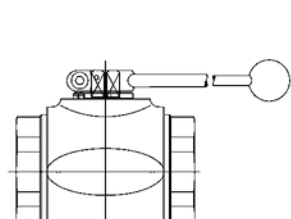
BKH - L/S 18.04



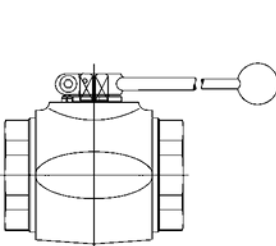
BKH - UNF 18.05



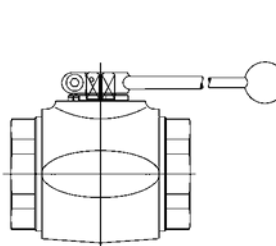
MKH - G 18.06



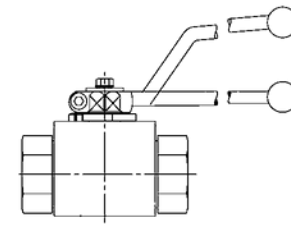
MKH - NPT 18.07



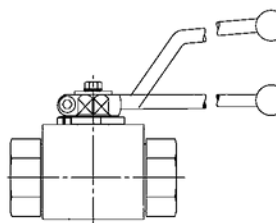
MKH - L/S 18.08



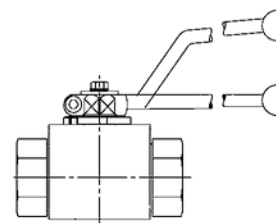
MKH - UNF 18.09



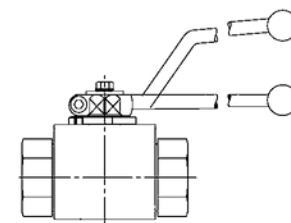
BK3 - G 18.10



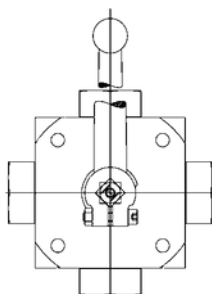
BK3 - NPT 18.11



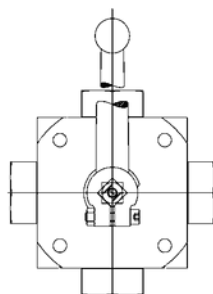
BK3 - L/S 18.12



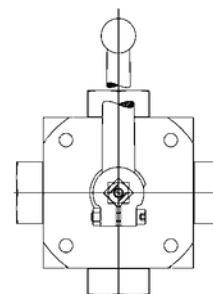
BK3 - UNF 18.13



4KH - G 18.14



4KH - NPT 18.15



4KH - L/S 18.16

HOCHDRUCK - KUGELHAHN / **HIGH PRESSURE BALL VALVE**

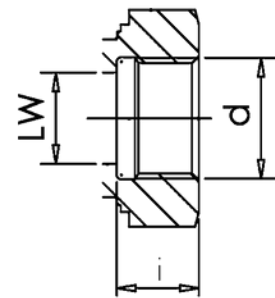
BKH - G

Hochdruck-Blockkugelhahn
mit beidseitigem Innengewinde
Gewinde: Whitworth-Rohrgewinde-zyl.

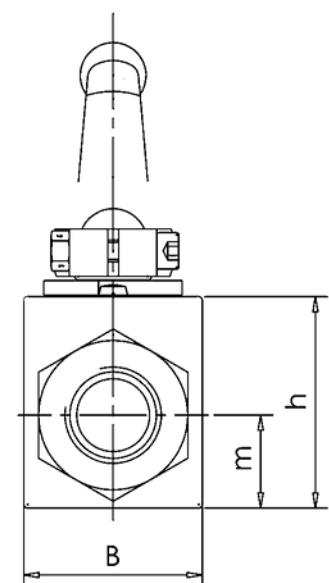
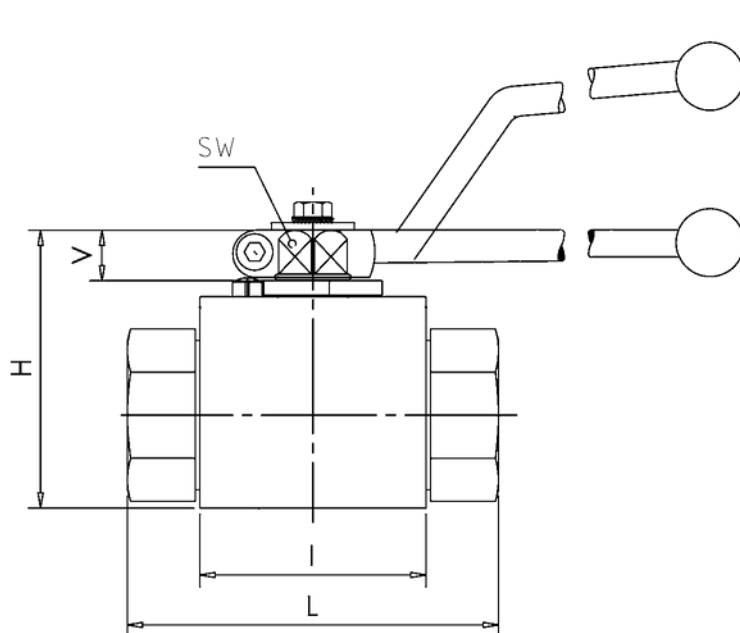
DIN ISO 228

BKH - G

HighPressure Ball Valve
With Female Thread Both Sides
Thread: BSPP



DN	d	LW	L	I	B	H	h	m	v	SW	K	i	H1	H2	Griff ever	Gewicht weight g/1 St.	PN (bar)	Bezeichnung name		Artikel-Nr artículo.
04	G 1/8 "	5	69	40	26	47	33	13,5	11	9	115	10	-	82	Zn	410	500	BKH-G 1/8 DN 04		127354
06	G 1/4 "	6	69	40	26	47	33	13,5	11	9	115	14	-	82	Zn	400	500	BKH-G 1/4 DN 06		125123
10	G 3/8 "	10	72	43	32	52	38	17,5	11	9	115	14	-	86	Zn	540	500	BKH-G 3/8 DN 10		124997
13	G 1/2 "	13	83	48	35	54	40	19	11	9	115	16,3	-	89	Zn	650	500	BKH-G 1/2 DN 13		124992
20	G 3/4 "	20	95	62	49	75	57	24,5	14	14	200	18	79	-	Zn	1500	315	BKH-G 3/4 DN 20		125122
25	G 1 "	25	113	66	58	83	65	29,5	14	14	200	20	87	-	Zn	2200	315	BKH-G 1 DN 25		124998
32	G 1.1/4 "	25	120	66	58	83	65	29,5	14	14	200	22	87	-	Zn	2300	315	BKH-G 1.1/4 DN 32		127355
40	G 1.1/2 "	25	130	66	58	83	65	29,5	14	14	200	24	87	-	Zn	2600	315	BKH-G 1.1/2 DN 40		127356



HOCHDRUCK - KUGELHAHN / **HIGH PRESSURE BALL VALVE**

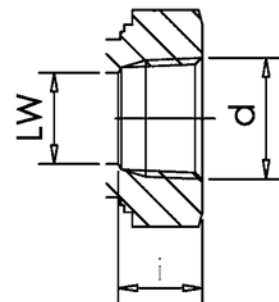
BKH - NPT

Hochdruck-Blockkugelhahn
mit beidseitigem Innengewinde
Gewinde:NPT

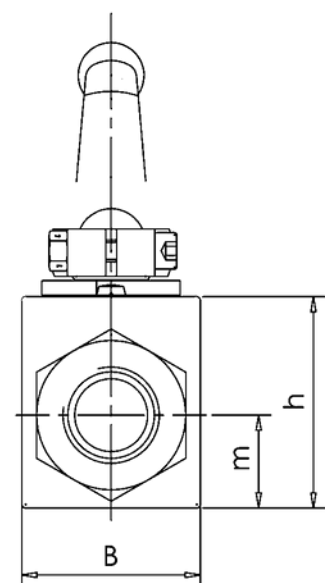
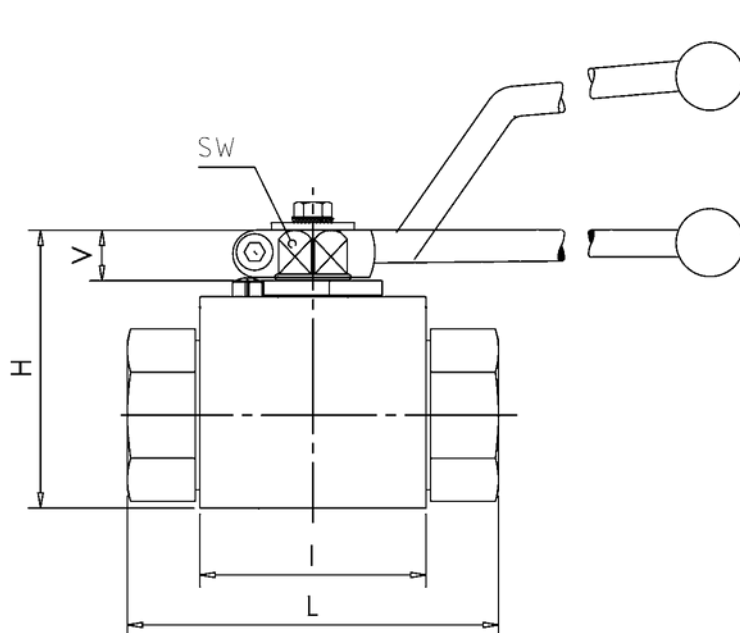
ANSI B1.20.1

BKH - NPT

HighPressureBall Valve
With Female Thread Both Sides
Thread:NPT



DN	d	LW	L	I	B	H	h	m	V	SW	K	i	H1	H2	Griff Lever	Gewicht weight g/1 St.	PN (bar)	Bezeichnung name	Artikel-Nr. articleno.
04	1/8 " NPT	5	69	40	26	47	33	13,5	11	9	115	13	-	82	Zn	300	500	BKH-NPT DN4	127360
06	1/4 " NPT	6	69	40	26	47	33	13,5	11	9	115	17	-	82	Zn	400	500	BKH-NPT 1/8 DN06	127361
10	3/8 " NPT	10	78	43	32	52	38	17,5	11	9	115	17,4	-	86	Zn	550	500	BKH-NPT 1/4 DN10	127362
13	1/2 " NPT	13	104	48	35	54	40	19	11	9	115	25	-	89	Zn	750	500	BKH-NPT 3/8 DN13	127363
20	3/4 " NPT	20	102	62	49	75	57	24,5	14	14	200	23,1	79	-	Zn	1630	315	BKH-NPT 1/2 DN20	127364
25	1 " NPT	25	119	66	58	83	65	29,5	14	14	200	27,8	87	-	Zn	2300	315	BKH-NPT 3/4 1 DN25	127365
25/32	1.1/4 " NPT	25	130	66	58	83	65	29,5	14	14	200	23	87	-	Zn	2510	315	BKH-NPT 1.1/4 DN25/32	127366
25/40	1.1/2 " NPT	25	133	66	58	83	65,0	29,5	14	14	200	28	87	-	Zn	2700	250	BKH-NPT 1.1/2 DN25/40	127367



HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE

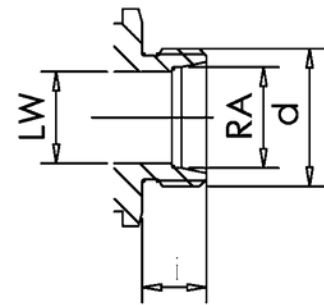
BKH - L/S

Hochdruck-Blockkugelhahn
mit 24°-Verschraubung, beidseitig
Gewinde: Metrisch-zyl.

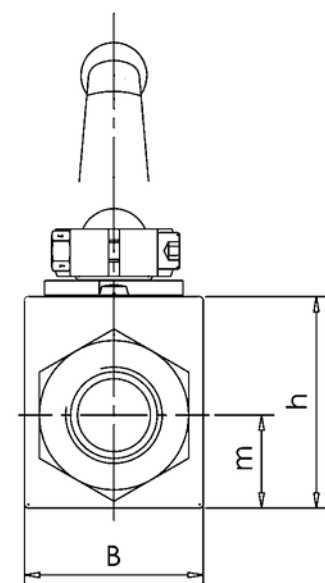
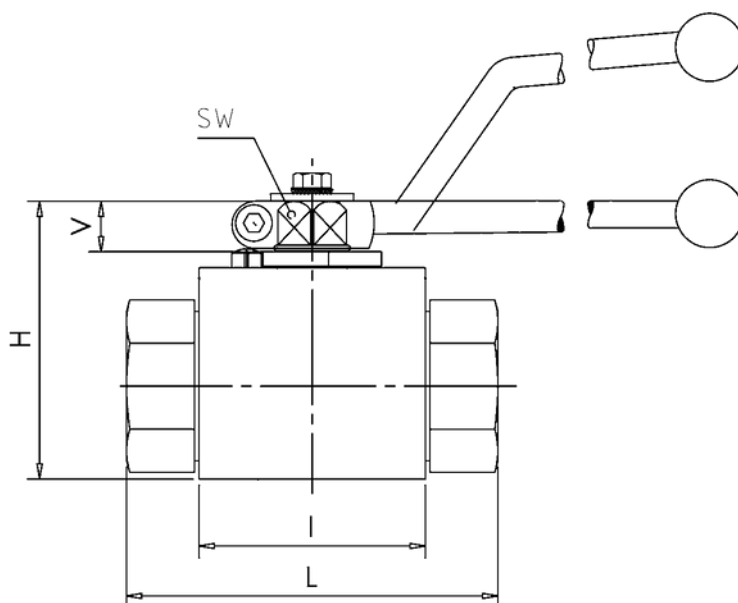
DIN 2353 L/S

BKH - L/S

HighPressureBall Valve
With 24°-Coupling, Both Sides
Thread: Metric-Parallel



Bau-Reihe series	DN	d	RA	LW	L	I	B	H	h	m	v	SW	K	i	H1	H2	Griff Lever	Gewicht weight g/1 St.	PN (bar)	Bezeichnung name	Artikel-Nr.: articleno.
L	04	M12x1,5	6	5	67	40	26	47	33	13,5	11	9	115	10	-	82	Zn	360	500	BKH - 06 L	127403
	06	M14x1,5	8	6	67	40	26	47	33	13,5	11	9	115	10	-	82	Zn	370	500	BKH - 08 L	127402
	08	M16x1,5	10	8	74	40	26	47	33	13,5	11	9	115	11	-	82	Zn	380	500	BKH - 10 L	127401
	10	M18x1,5	12	10	74	43	32	52	38	17,5	11	9	115	11	-	86	Zn	500	500	BKH - 12 L	127400
	13	M22x1,5	15	13	82	48	35	54	40	19,0	11	9	115	12	-	89	Zn	610	500	BKH - 15 L	127399
	13	M26x1,5	18	13	82	48	35	54	40	19,0	11	9	115	12	-	89	Zn	600	500	BKH - 18 L	127398
	20	M30x2	22	20	101	62	49	75	57	24,5	14	14	200	14	79	-	Zn	1490	315	BKH - 22 L	127397
	25	M36x2	28	25	108	66	58	83	65	29,5	14	14	200	14	87	-	Zn	2000	315	BKH - 28 L	127396
	25/32	M45x2	35	25	112	66	58	83	65	29,5	14	14	200	16	87	-	Zn	2120	315	BKH - 35 L	127395
S	25/40	M52x2	42	25	112	66	58	83	65	29,5	14	14	200	16	87	-	Zn	2270	315	BKH - 42 L	127394
	04	M16x1,5	8	5	73	40	26	47	33	13,5	11	9	115	12	-	82	Zn	380	500	BKH - 8 S	127393
	6	M18x1,5	10	6	73	40	26	47	33	13,5	11	9	115	12	-	82	Zn	390	500	BKH - 10 S	127392
	8	M20x1,5	12	8	76	40	26	47	33	13,5	11	9	115	12	-	82	Zn	390	500	BKH - 12 S	127391
	10	M22x1,5	14	10	80	43	32	52	38	17,5	11	9	115	14	-	86	Zn	500	500	BKH - 14 S	127390
	13	M24x1,5	16	13	86	48	35	54	40	19	11	9	115	14	-	89	Zn	600	500	BKH - 16 S	126859
	16	M30x2	20	15	90	48	38	63	46,0	19	13	12	160	16	-	106	Al	800	400	BKH - 20 S	126860
	20	M36x2	25	20	109	62	49	75	57	24,5	14	14	200	18	79	-	Zn	155	315	BKH - 25 S	126861
	25	M42x2	30	25	120	66	58	83	65	29,5	14	14	200	20	87	-	Zn	210	315	BKH - 30 S	127388
	25/32	M52x2	38	25	124	66	58	83	65	29,5	14	14	200	22	87	-	Zn	230	315	BKH - 38 S	127389



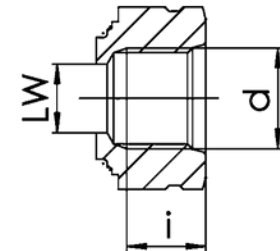
HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE
BKH - UNF

Hochdruck-Blockkugelhahn
mit beidseitigem Innengewinde
Gewinde: UNF

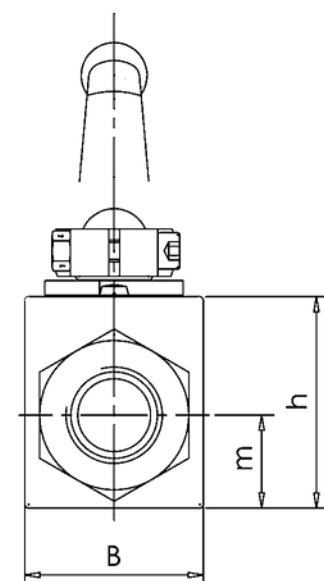
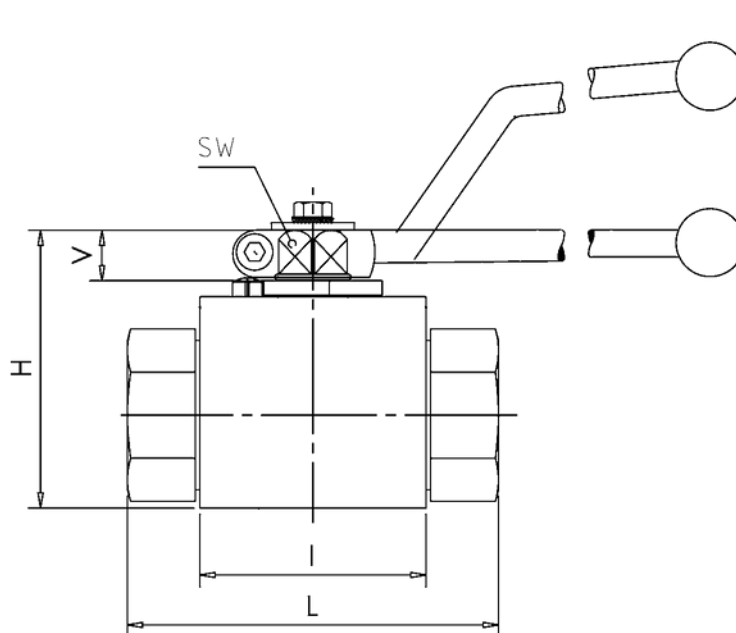
SAE J 514

BKH - UNF

HighPressureBall Valve
With Female Thread Both Sides
Thread: UNF



DN	d	RA	LW	L	I	B	H	h	m	V	SW		i	H1	H2	Griff Lever	Gewicht weight g/1St.	PN (bar)	Bezeichnung name	Artikel-Nr. articleno.
06	7/16 " UNF	10	5	69	40	26	47	33	13,5	11	9	115	12	-	82	Zn	390	500	BKH - 7/16 " UNF	209033
10	9/16 " UNF	14	10	72	43	32	52	38	17,5	11	9	115	13	-	86	Zn	500	500	BKH - 9/16 " UNF	209034
13	3/4 " UNF	16	13	83	48	35	54	40	19	11	9	115	15	-	89	Zn	600	500	BKH - 3/4 " UNF	209035
20	1.1/16 " UN	25	20	95	62	49	75	57	24,5	14	14	200	20	79	-	Zn	1550	315	BKH - 1.1/16 " UN	209036
25	1.5/16 " UN	30	21	113	66	58	83	65	29,5	14	14	200	20	87	-	Zn	2100	315	BKH - 1.5/16 " UN	209037



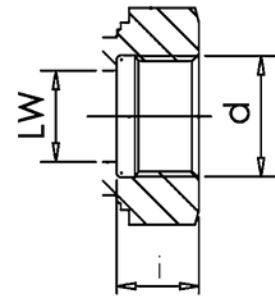
HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE
MKH - G

Hochdruck-Muffenkugelhahn
mit beidseitigem Innengewinde
Gewinde: Whitworth-Rohrgewinde-zyl.

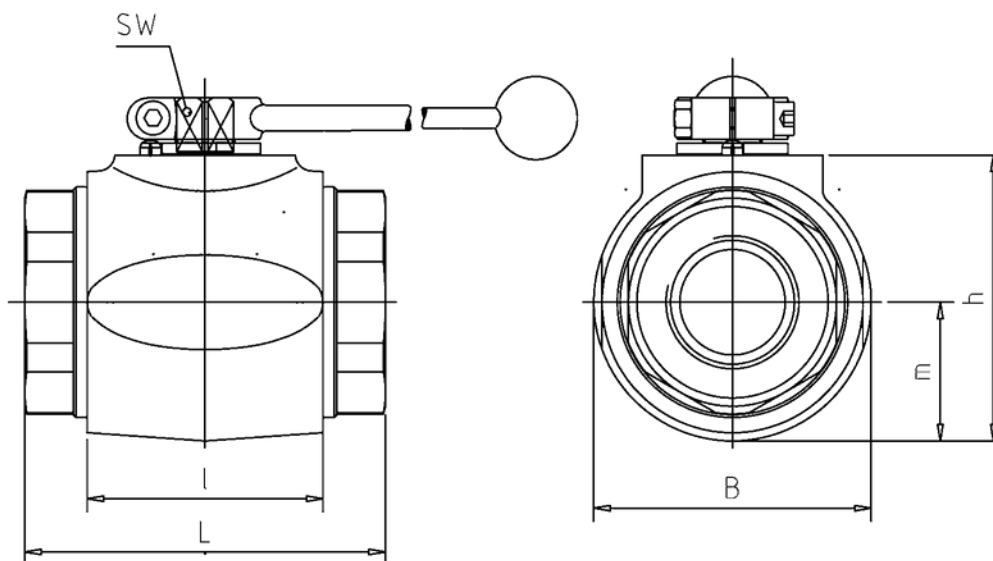
DIN ISO 228

MKH - G

HighPressureBall Valve
With Female Thread Both Sides
Thread: BSPP



DN	d	LW	L	I	B	H	h	m	V	SW	K	i	Griff lever	Gewicht g/1St.	PN (bar)	Bezeichnung name	Artikel-Nr.: articleno.
32	G 1.1/4 "	32	111	80	81	107	86	40,5	17	17	320	22	Al	320	315	MKH-G 1.1/4 DN 32	127357
40	G 1.1/2 "	38	130	85	100	124	103	50	17	17	320	24	Al	530	315	MKH-G 1.1/2 DN 40	127358
50	G 2 "	48	140	100	118	138	117	59	17	17	320	26	Al	750	315	MKH-G 2 DN 50	127359



HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE

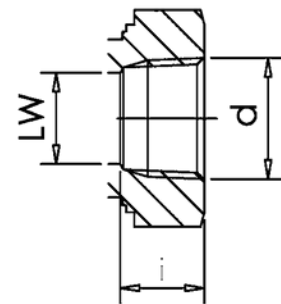
MKH - NPT

Hochdruck-Muffenkugelhahn
mit beidseitigem Innengewinde
Gewinde:NPT

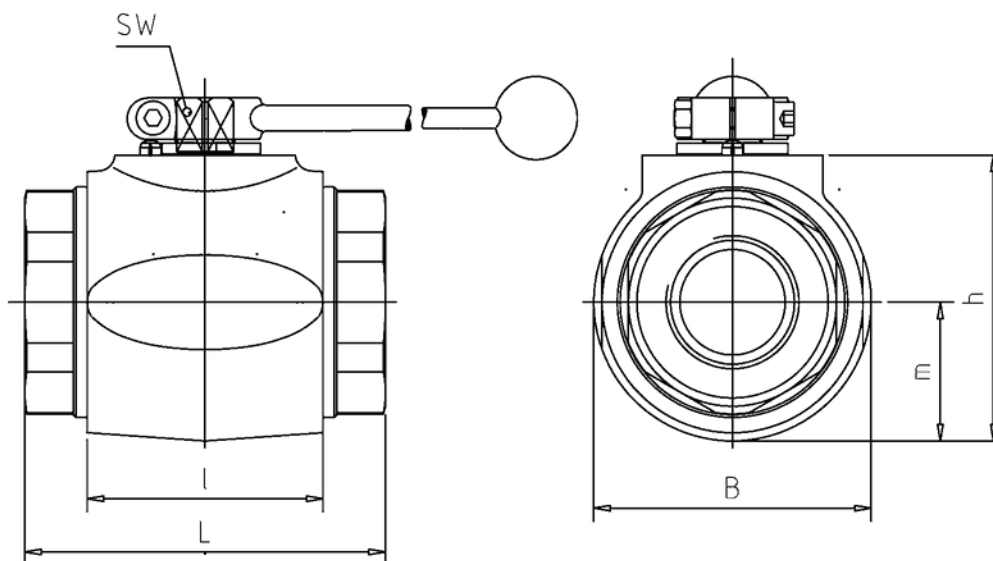
ANSI B1.20.1

MKH - NPT

HighPressureBall Valve
With Female Thread Both Sides
Thread:NPT



DN	d	LW	L	I	B	H	h	m	v	SW	K	i	Griff Lever	Gewicht weight g/1 St.	PN (bar)	Bezeichnung name	Artikel-Nr.: artículo.
32	1.1/4" NPT	32	120	80	81	107	86	40,5	16,5	17	320	28,3	Al	330	350	MKH-NPT 1.1/4 DN 32	209038
40	1.1/2" NPT	38	130	85	100	124	103	50	16,5	17	320	28	Al	540	350	MKH-NPT 1.1/2 DN 40	209039
50	2" NPT	48	140	100	118	138	117	59	16,5	17	320	30,3	Al	750	350	MKH-NPT 2 DN 50	209040



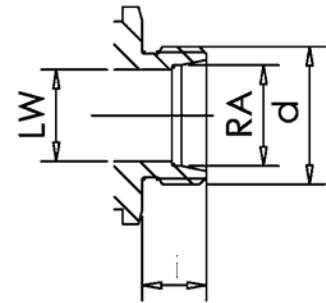
HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE
MKH - L/S

Hochdruck-Muffenkugelhahn
mit 24°-Verschraubung, beidseitig
Gewinde: Metrisch-zyl.

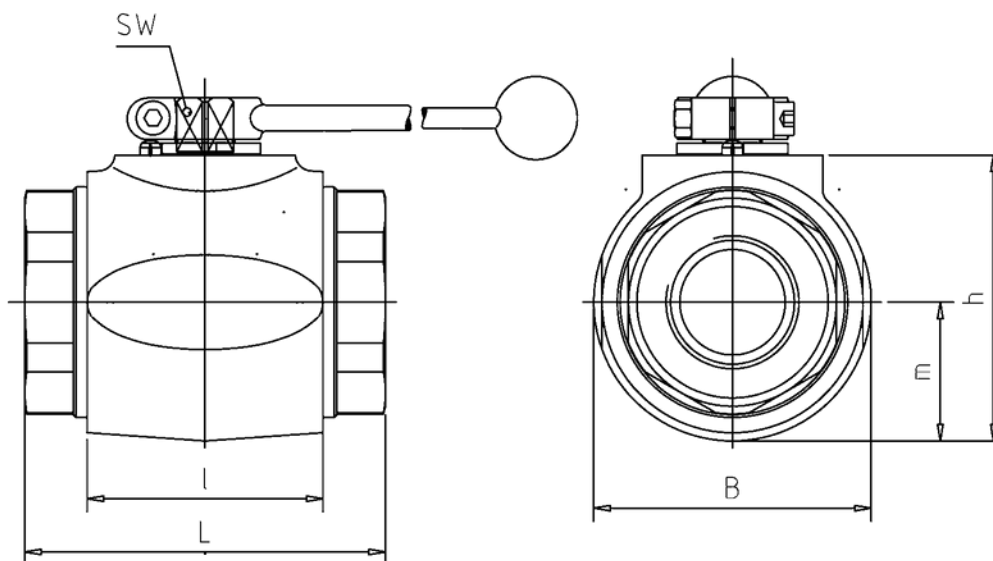
DIN 2353 L/S

MKH - L/S

High Pressure Ball Valve
With 24°-Coupling, Both Sides
Thread: Metric-Parallel



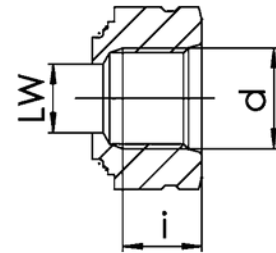
Bau-Reihe series	DN	d	RA	LW	L	I	B	H	h	m	V	SW	K	i	Griff Lever	Gewicht weight g/1 St.	PN (bar)	Bezeichnung name	Artikel-Nr articleno.
L	32	M 45x2	35	32	136	80	81	107	86	40,5	16,5	17	320	16	Al	336	350	MKH - 35L	209041
	40	M 52x2	42	38	147	85	100	124	103	50,0	16,5	17	320	16	Al	525	350	MKH - 42L	209042
S	32	M 52x2	38	32	148	80	81	107	86	40,5	16,5	17	320	22	Al	355	350	MKH - 38S	209043



HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE
MKH - UNF

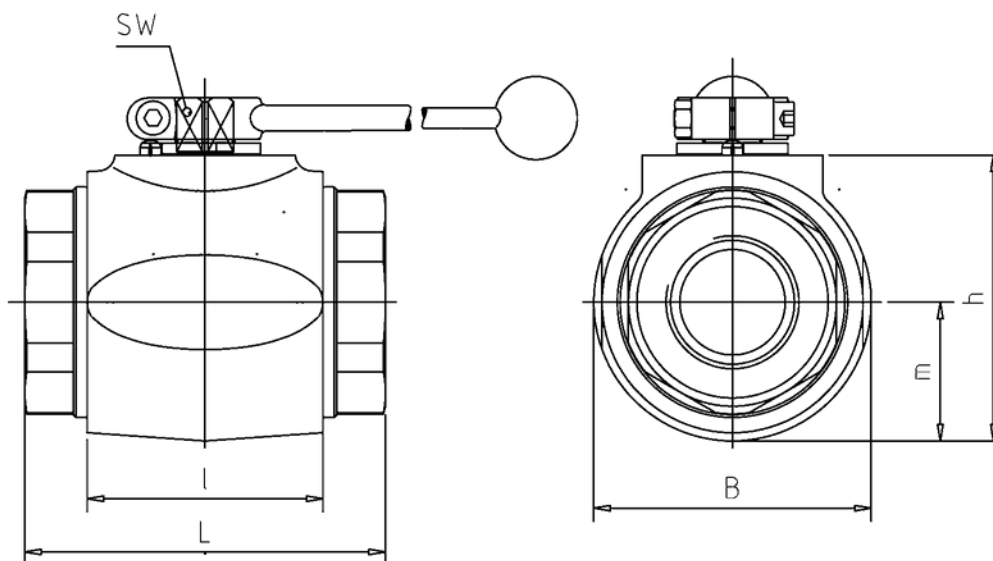
Hochdruck-Muffenkugelhahn
mit beidseitigem Innengewinde
Gewinde:UNF

SAE J 514


MKH - UNF

HighPressureBall Valve
With Female Thread Both Sides
Thread:UNF

DN	d	LW	L	I	B	H	h	m	V	SW	K	i	Griff Lever	Gewicht weight g/1 St.	PN (bar)	Bezeichnung name	Artikel-Nr.: articleno.
32	1.5/8 " UN	30	111	80	81	107	86	40,5	16,5	17	320	20	Al	330	350	MKH - 1.5/8 " UN	209044
40	1.7/8 " UN	38	130	85	100	124	103	50	16,5	17	320	20	Al	540	350	MKH - 1.7/8 " UN	209045
50	2.1/2 " UN	45	140	100	118	138	117	59	16,5	17	320	20	Al	750	350	MKH - 2.1/2 " UN	209046



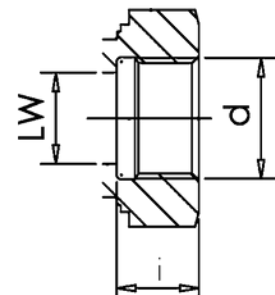
HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE
BK3 - G

3-Wege-Hochdruck-Umschaltkugelhahn
mit beidseitigem Innengewinde
Gewinde: Whitworth-Rohrgewinde-zyl.

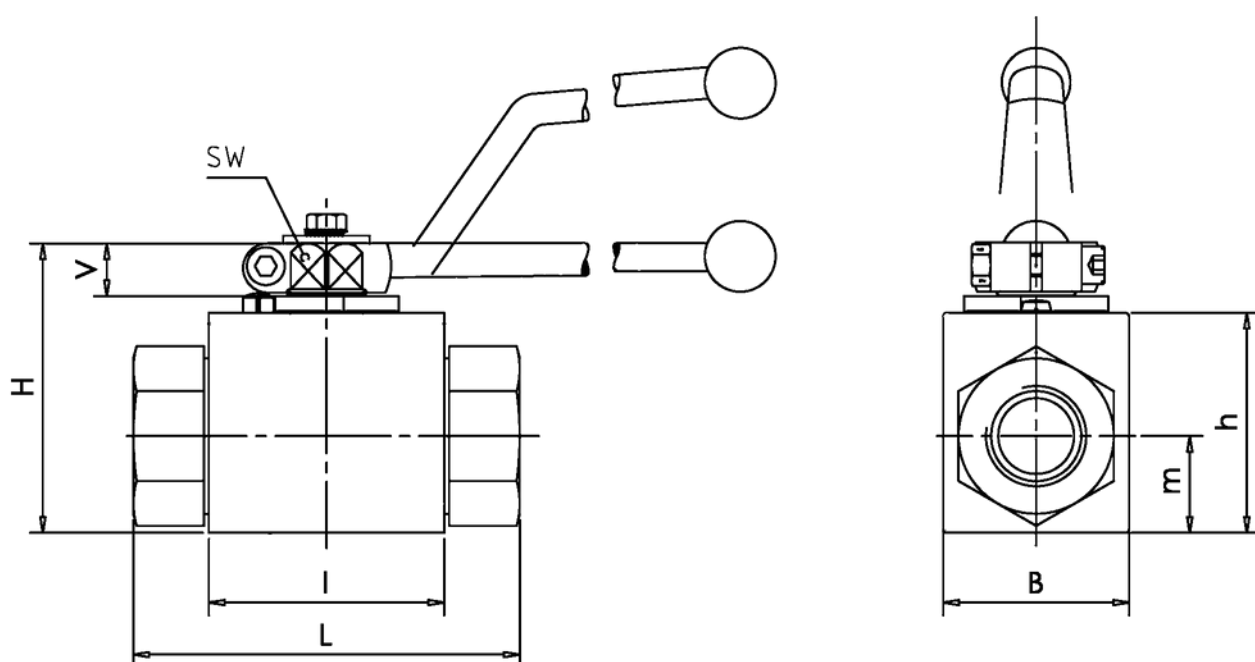
DIN ISO 228

BK3 - G

3-Way-HighPressure Selector Ball Valve
With Female Thread Both Sides
Thread: BSPP



DN	d	LW	L	l	b	B	H	h	m	S	V	SW	K	i	H1	H2	Griff lever	Gewicht weight g/1 St.	PN (bar)	Bezeichnung name	Artikel-Nr.: artículo.
04	G 1/8"	5	69	40	13	29	47	33	13,5	34,5	11	9	115	10	-	82	Zn	400	500	BK3-G 1/8 DN 04	209047
06	G 1/4"	6	69	40	13	29	47	33	13,5	34,5	11	9	115	14	-	82	Zn	460	500	BK3-G 1/4 DN 06	209048
10	G 3/8"	10	72	43	16	35	52	38	17,5	36	11	9	115	14	-	86	Zn	600	500	BK3-G 3/8 DN 10	209049
13	G 1/2"	13	83	48	17,5	38	54	40	19	41,5	11	9	115	16,3	-	89	Zn	700	500	BK3-G 1/2 DN 13	209050
20	G 3/4"	20	95	62	24,5	52	75	57	24,5	47,5	14	14	200	18	79	-	Zn	1800	315	BK3-G 3/4 DN 20	209051
25	G 1"	25	113	66	29	61	83	65	29,5	56,5	14	14	200	20	87	-	Zn	2400	315	BK3-G 1 DN 25	209052
32	G 1.1/4"	32	111	81	39	-	106	84,5	39	55	16,5	17	320	22	115	-	Al	3800	350	BK3-G 1.1/4 DN 32	209053
40	G 1.1/2"	38	130	104	53	-	127	106	53	65	16,5	17	320	24	136	-	Al	6200	350	BK3-G 1.1/2 DN 40	209054
50	G 2"	48	150	118	58	116	137	116	58	75	16,5	17	320	26	146	-	Al	7800	350	BK3-G 2 DN 50	209055



HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE

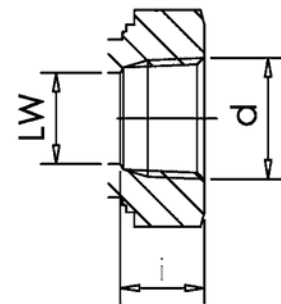
BK3 - NPT

3-Wege-Hochdruck-Umschaltkugelhahn
mit beidseitigem Innengewinde
Gewinde:NPT

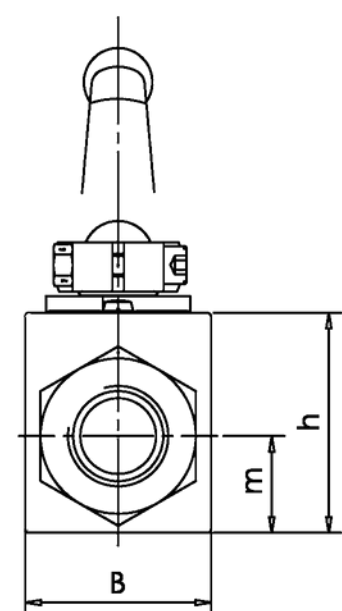
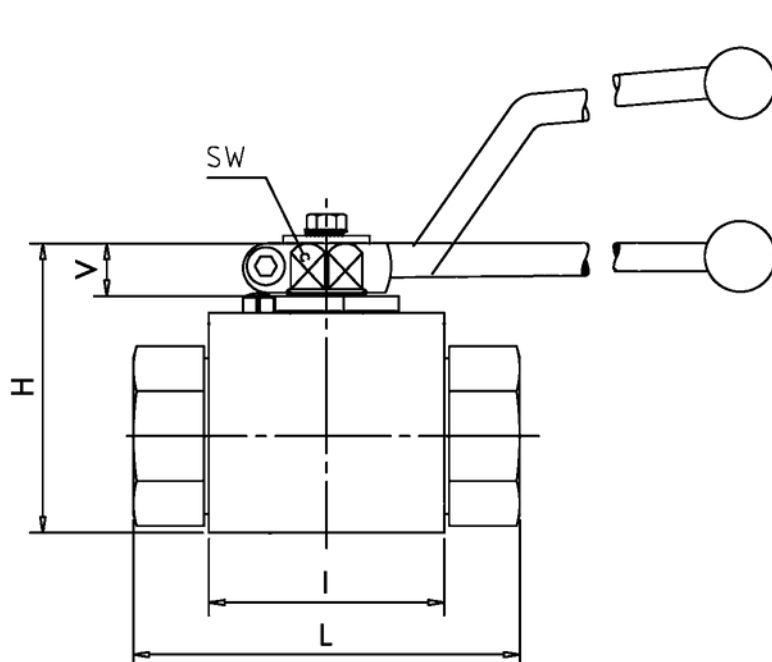
ANSI B1.20.1

BK3 - NPT

3-Way-HighPressure Selector Ball Valve
With Female Thread Both Sides
Thread:NPT



DN	d	LW	L	I	b	B	H	h	m	S	V	SW	K	i	H1	H2	Griff Lever	Gewicht weight g/1 St.	PN (bar)	Bezeichnung name	Artikel-Nr. artículo.
04	1/8" NPT	5	69	40	13	29	47	33	13,5	34,5	11	9	115	13	-	82	Zn	400	500	BK3-NPT 1/8 DN04	209056
06	1/4" NPT	6	69	40	13	29	47	33	13,5	34,5	11	9	115	17	-	82	Zn	460	500	BK3-NPT 1/4 DN06	209057
10	3/8" NPT	10	78	43	16	35	52	38	17,5	36	11	9	115	17,4	-	86	Zn	600	500	BK3-NPT 3/8 DN10	209058
13	1/2" NPT	13	104	48	17,5	38	54	40	19	41,5	11	9	115	25	-	89	Zn	700	500	BK3-NPT 1/2 DN13	209059
20	3/4" NPT	20	102	62	24,5	52	75	57	24,5	47,5	14	14	200	23,1	79	-	Zn	1800	315	BK3-NPT 3/4 DN20	209060
25	1" NPT	25	119	66	29	61	83	65	29,5	56,5	14	14	200	27,8	87	-	Zn	2400	315	BK3-NPT 1 DN25	209061
32	1.1/4" NPT	32	120	81	39	-	106	84,5	39	60	16,5	17	320	28,3	115	-	Al	3800	350	BK3-NPT 1.1/4 DN32	209062
40	1.1/2" NPT	38	140	104	53	-	127,0	106	53	70	16,5	17	320	28	136	-	Al	6200	350	BK3-NPT 1.1/2 DN40	209063
50	2" NPT	48	150	118	58	116	137	116	58	75	16,5	17	320	30,2	146	-	Al	7800	350	BK3-NPT 2 DN50	209064



HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE

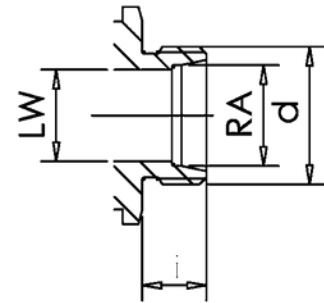
BK3 - L/S

3-Wege-Hochdruck-Umschaltkugelhahn
mit 24°-Verschraubung, beidseitig
Gewinde: Metrisch-zykl.

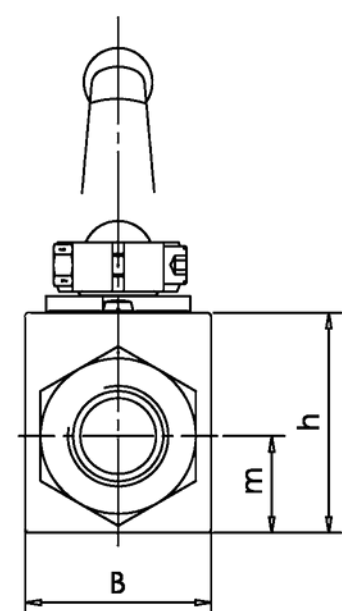
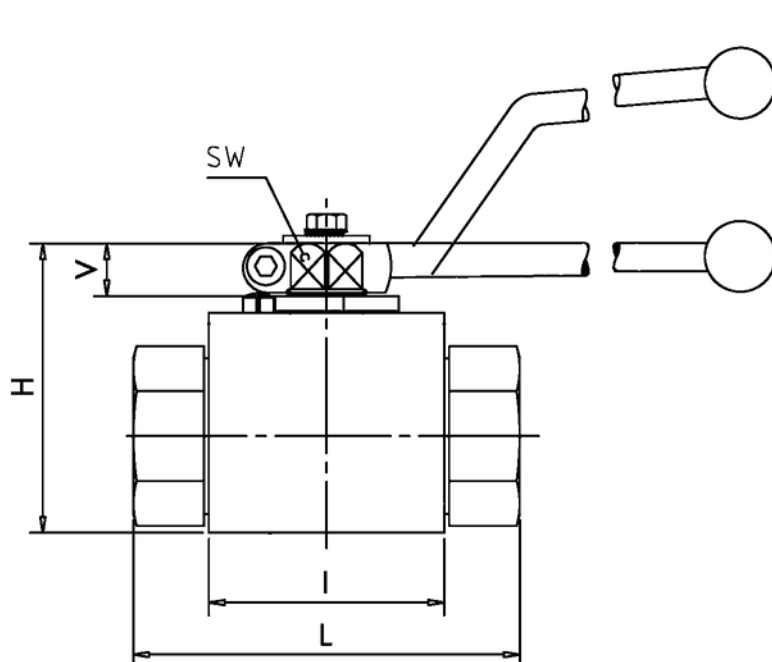
DIN 2353 L/S

BK3 - L/S

3-Way-HighPressure Selector Ball Valve
With 24°-Coupling, Both Sides
Thread: Metric-Parallel



Bau-Reihe series	DN	d	RA	LW	L	I	b	B	H	h	m	S	V	SW	K	i	H1	H2	Griff Lever	Gewicht weight g/1 St.	PN (bar)	Bezeichnung name	Artikel-Nr. articulo.
L	04	M 12x1,5	6	5	67	40	13	29	47	33	13,5	33,5	11	9	115	10	-	82	Zn	300	500	BK3 - 06 L	209065
	06	M 14x1,5	8	6	67	40	13	29	47	33	13,5	33,5	11	9	115	10	-	82	Zn	400	500	BK3 - 08 L	209066
	08	M 16x1,5	10	8	74	40	13	29	47	33	13,5	34,5	11	9	115	11	-	82	Zn	400	500	BK3 - 10 L	209067
	10	M 18x1,5	12	10	74	43	16	35	52	38	17,5	36,5	11	9	115	11	-	86	Zn	500	500	BK3 - 12 L	209068
	13	M 22x1,5	15	13	82	48	17,5	38	54	40	19	41,0	11	9	115	12	-	89	Zn	650	500	BK3 - 15 L	209069
	13	M 26x1,5	18	13	82	48	17,5	38	54	40	19	41,5	11	9	115	12	-	89	Zn	690	500	BK3 - 18 L	209070
	20	M 30x2	22	20	101	62	24,5	52	75	57	24,5	48,0	14	14	200	14	79	-	Zn	1500	315	BK3 - 22 L	209071
S	04	M 16x1,5	8	5	73	40	13	29	47	33	13,5	34,5	11	9	115	12	-	82	Zn	420	500	BK3 - 08 S	209072
	06	M 18x1,5	10	6	73	40	13	29	47	33	13,5	34,5	11	9	115	12	-	82	Zn	430	500	BK3 - 10 S	209073
	08	M 20x1,5	12	8	76	40	13	29	47	33	13,5	34,5	11	9	115	12	-	82	Zn	440	500	BK3 - 12 S	209074
	10	M 22x1,5	14	10	80	43	16	35	52	38	17,5	36,5	11	9	115	14	-	86	Zn	500	500	BK3 - 14 S	209075
	13	M 24x1,5	16	13	86	48	17,5	38	54	40	19	43,0	11	9	115	14	-	89	Zn	650	500	BK3 - 16 S	209076
	13	M 30x2	20	13	90	48	17,5	38	54	40	19	43,0	11	9	115	16	-	89	Zn	700	500	BK3 - 20 S	209077
	20	M 36x2	25	20	109	62	24,5	52	75	57	24,5	48,0	14	14	200	18	79	-	Zn	1700	315	BK3 - 25 S	209078



HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE

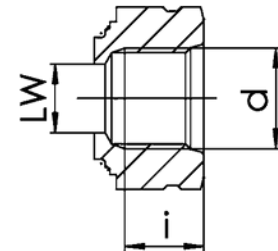
BK3 - UNF

3-Wege-Hochdruck-Umschaltkugelhahn
mit beidseitigem Innengewinde
Gewinde:UNF

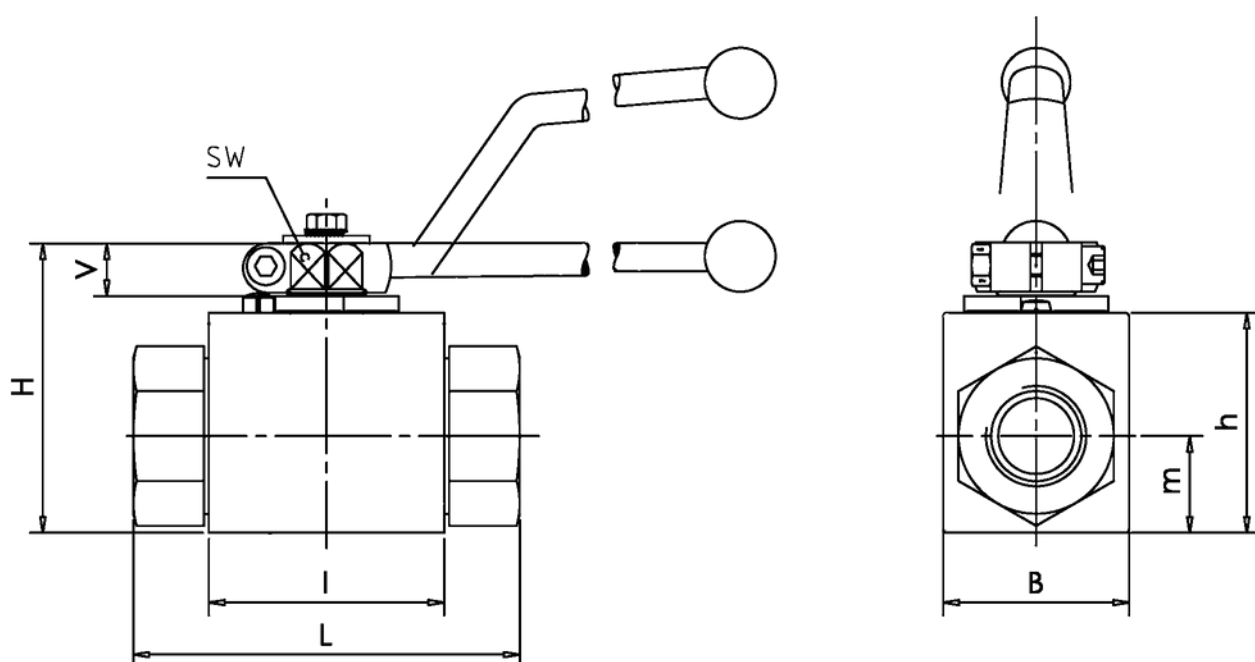
SAE J 514

BK3 - UNF

3-Way-HighPressure Selector Ball Valve
With Female Thread Both Sides
Thread:UNF



DN	d	LW	L	I	b	B	H	h	m	S	V	SW	K	i	H1	H2	Griff Lever	Gewicht weight g/1 St.	PN (bar)	Bezeichnung name	Artikel-Nr.: artículo.
06	7/16 " UNF	5	69	0	13,0	29	47	33	13,5	34,5	11	9	115	12	-	82	Zn	500	500	BK3 - 7/16 " UNF	209081
10	9/16 " UNF	10	72	43	16,0	35	52	38	17,5	36	11	9	115	13	-	86	Zn	600	500	BK3 - 9/16 " UNF	209082
13	3/4 " UNF	13	83	48	17,5	38	54	40	19	41,5	11	9	115	15	-	89	Zn	700	500	BK3 - 3/4 " UNF	209083
20	1.1/16 " UN	20	95	62	24,5	52	75	57	24,5	47,5	14	14	200	20	79	-	Zn	1800	315	BK3 - 1.1/16 " UN	209084
25	1.5/16 " UN	21	113	66	29,0	61	83	65	29,5	56,5	14	14	200	20	87	-	Zn	2700	315	BK3 - 1.5/16 " UN	209085
32	1.5/8 " UN	30	111	81	39,0	-	106	84,5	39	60	16,5	17	320	20	115	-	Al	3800	350	BK3 - 1.5/8 " UN	209086
40	1.7/8 " UN	38	140	104	53,0	-	127	106	53	70	16,5	17	320	20	136	-	Al	6200	350	BK3 - 1.7/8 " UN	209087
50	2.1/2 " UN	48	150	118	58,0	116	137	116	58	75	16,5	17	320	20	146	-	Al	7800	350	BK3 - 2.1/2 " UN	209088



HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE

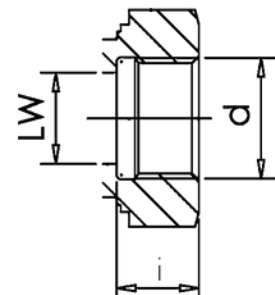
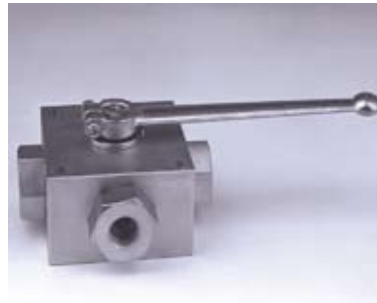
4KH - G

4-Wege-Hochdruck-Mehrwegekugelhahn
mit beidseitigem Innengewinde
Gewinde: Whitworth-Rohrgewinde-zyl.

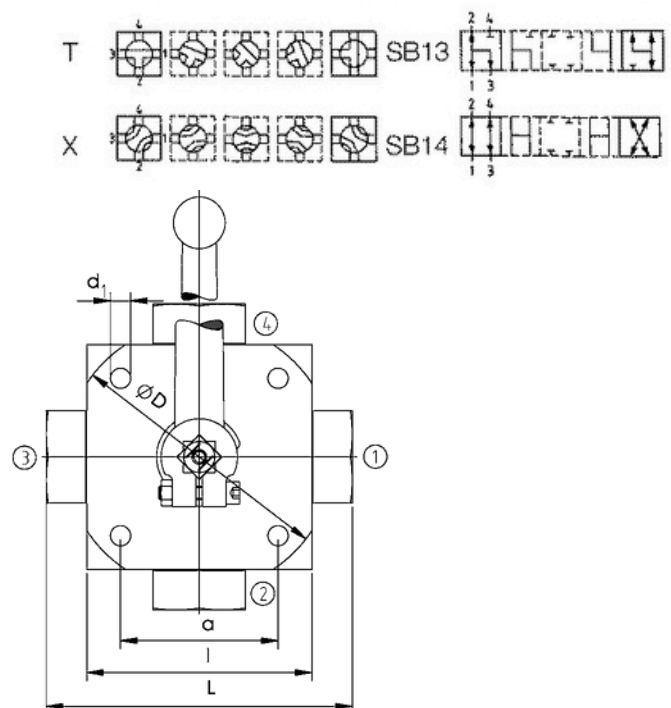
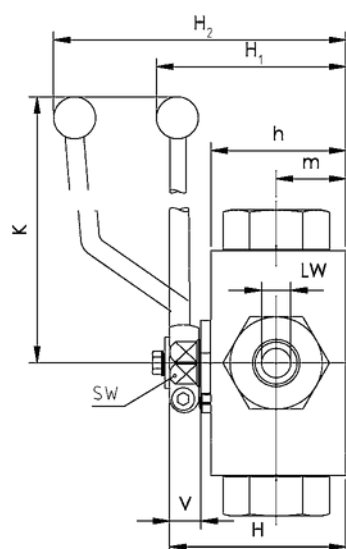
DIN ISO 228

4KH - G

4-Way-HighPressure Multi-Way Ball Valve
With Female Thread Both Sides
Thread: BSPP



DN	d	d1	LW L/T	LW x	L	D	I	a	H	h	m	V	SW	K	i	H1	H2	Griff lever	Gewicht weight g/1 St.	PN (bar)	Bezeichnung name	Artikel-Nr.: artículo.
04	G 1/8"	6,5	5	4	100	-	70	55	58	40	22	14	12	160	10	-	101	Al	160	500	4KH-G 1/8 DN04	209089
06	G 1/4"	6,5	5	4	100	-	70	55	58	40	22	14	12	160	14	-	101	Al	160	500	4KH-G 1/4 DN06	209090
10	G 3/8"	6,5	8	7	115	-	80	65	68	50	27	14	14	200	14	72	-	Zn	280	500	4KH-G 3/8 DN10	209091
13	G 1/2"	9	13	10	136	-	100	80	78	60	31	14	14	200	16,3	82	-	Zn	490	400	4KH-G 1/2 DN13	209092
20	G 3/4"	8,5	18	14	154	138	113	85	88	67	36,5	16,5	17	320	18	96	-	Al	680	315	4KH-G 3/4 DN20	209093
25	G 1"	8,5	23	17	172	138	119	85	103	82	47,5	16,5	17	320	20	112	-	Al	850	315	4KH-G 1 DN25	209094
25/32	G 1.1/4"	8,5	23	17	180	138	119	85	103	82	47,5	16,5	17	320	22	112	-	Al	880	315	4KH-G 1.1/4 DN25/32	209095
25/40	G 1.1/2"	8,5	23	17	180	138	119	85	103	82	47,5	16,5	17	320	24	112	-	Al	880	250	4KH-G 1.1/2 DN25/40	209096



HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE

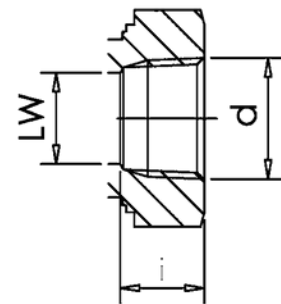
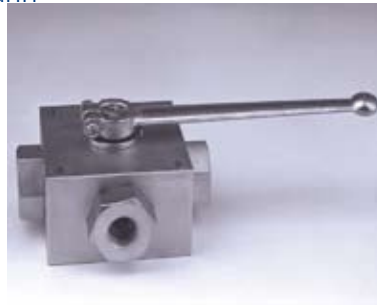
4KH - NPT

4-Wege-Hochdruck-Mehrwegekugelhahn
mit beidseitigem Innengewinde
Gewinde:NPT

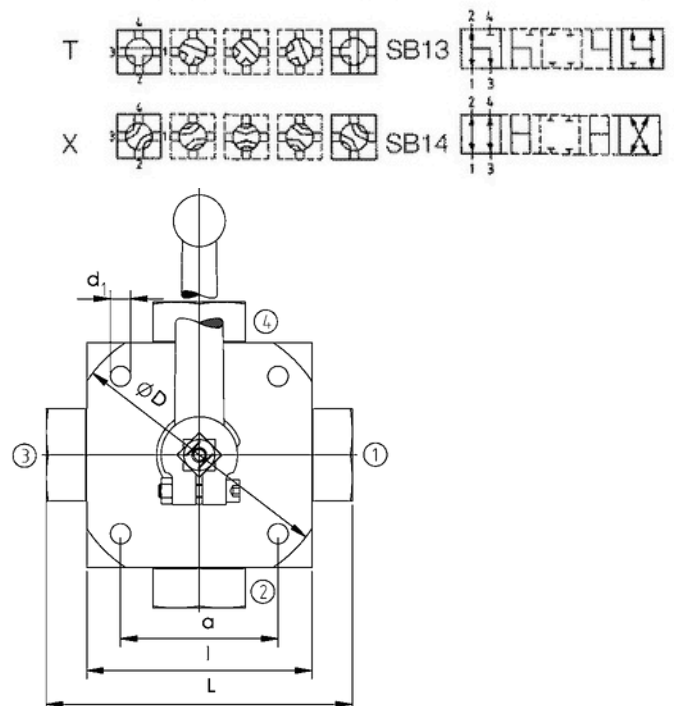
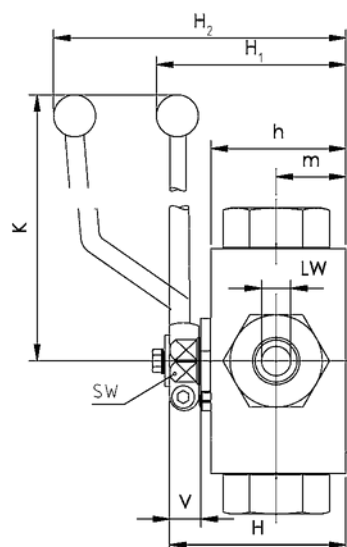
ANSI B1.20.1

4KH - NPT

4-Way-HighPressure Multi-Way
Ball Valve
With Female Thread Both Sides
Thread:NPT



DN	d	d1	LW L/T	LW x	L	D	I	a	H	h	m	v	SW	K	i	H1	H2	Griff Leverg	Gewicht weight g/1 St.	PN (bar)	Bezeichnung name	Artikel-Nr.: articleno.
04	1/8 " NPT	6,5	5	4	100	-	70	55	58	40	22	14	12	160	13	-	101	Al	160	500	4KH-NPT 1/8	DN04 209106
06	1/4 " NPT	6,5	5	4	100	-	70	55	58	40	22	14	12	160	17	-	101	Al	160	500	4KH-NPT 1/4	DN06 209105
10	3/8 " NPT	6,5	8	7	115	-	80	65	68	50	27	14	14	200	17,4	72	-	Zn	280	500	4KH-NPT 3/8	DN10 209104
13	1/2 " NPT	9	13	10	160	-	100	80	78	60	31	14	14	200	25	82	-	Zn	490	400	4KH-NPT 1/2	DN13 209103
20	3/4 " NPT	8,5	18	14	164	138	113	85	88	67	36,5	16,5	17	320	23,1	96	-	Al	680	315	4KH-NPT 3/4	DN20 209102
25	1 " NPT	8,5	23	17	186	138	119	85	103	82	47,5	16,5	17	320	27,8	112	-	Al	850	315	4KH-NPT 1	DN25 209101
32	1.1/4 " NPT	8,5	23	17	186	138	119	85	103	82	47,5	16,5	17	320	28,3	112	-	Al	880	315	4KH-NPT 1.1/4	DN32 209100
40	1.1/2 " NPT	8,5	23	17	186	138	119	85	103	82	47,5	16,5	17	320	28	112	-	Al	880	250	4KH-NPT 1.1/2	DN40 209099



HOCHDRUCK - KUGELHAHN / HIGH PRESSURE BALL VALVE

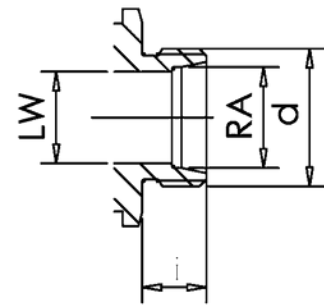
4KH - L/S

4-Wege-Hochdruck-Mehrwegekugelhahn
mit 24°-Verschraubung, beidseitig
Gewinde: Metrisch-zykl.

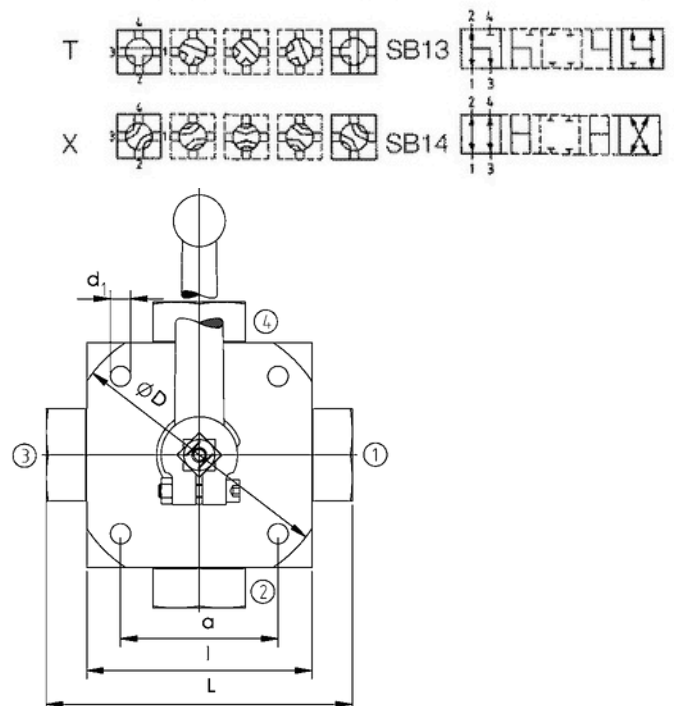
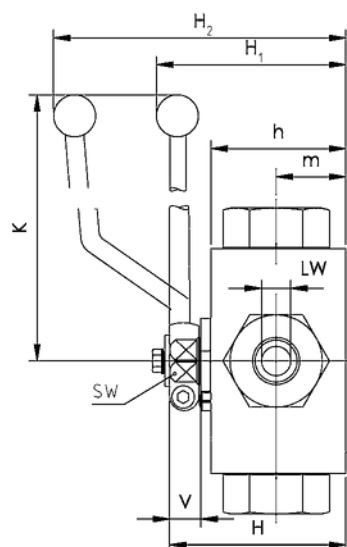
DIN 2353 L/S

4KH - L/S

4-Way-HighPressure Multi-Way Ball Valve
With 24°-Coupling, Both Sides
Thread: Metric-Parallel



Bau-Reihe series	DN	d	d1	RA	LW L/T	LW x	L	D	I	a	H	h	m	V	SW	K	i	H1	H2	Griff Lever	Gewicht weight g/1 St.	PN (bar)	Bezeichnung name	Artikel-Nr.: articulo.
L	04	M12x1,5	6,5	6	5	4	105	-	70	55	58	40	22,0	14	12	160	10	-	101	Al	160	500	4KH - 06L	209107
	06	M14x1,5	6,5	8	5	4	105	-	70	55	58	40	22,0	14	12	160	10	-	101	Al	160	500	4KH - 08L	209108
	08	M16x1,5	6,5	10	8	7	114	-	80	65	68	50	27,0	14	14	200	11	72	-	Zn	260	500	4KH - 10L	209109
	10	M18x1,5	6,5	12	8	7	114	-	80	65	68	50	27,0	14	14	200	11	72	-	Zn	260	500	4KH - 12L	209110
	13	M22x1,5	9	15	13	10	137	-	100	80	78	60	31,0	14	14	200	12	82	-	Zn	470	400	4KH - 15L	209111
	16	M26x1,5	9	18	13	10	137	-	100	80	78	60	31,0	14	14	200	12	82	-	Zn	470	400	4KH - 18L	209112
	20	M30x2	8,5	22	18	14	152	138	113	85	88	67	36,5	16,5	17	320	14	96	-	Al	660	315	4KH - 22L	209113
S	25	M36x2	8,5	28	23	17	166	138	119	85	103	82	47,5	16,5	17	320	14	112	-	Al	800	315	4KH - 28L	209114
	04	M16x1,5	6,5	8	5	4	105	-	70	55	58	40	22	14	12	160	12	-	101	Al	160	500	4KH - 08S	209115
	06	M18x1,5	6,5	10	5	4	105	-	70	55	58	40	22	14	12	160	12	-	101	Al	160	500	4KH - 10S	209116
	08	M20x1,5	6,5	12	8	7	116	-	80	65	68	50	27	14	14	200	12	72	-	Zn	260	500	4KH - 12S	209117
	10	M22x1,5	6,5	14	8	7	120	-	80	65	68	50	27	14	14	200	14	72	-	Zn	260	500	4KH - 14S	209118
	13	M24x1,5	9	16	13	10	141	-	100	80	78	60	31	14	14	200	14	82	-	Zn	470	400	4KH - 16S	209119
	16	M30x2	9	20	13	10	145	-	100	80	78	60	31	14	14	200	16	82	-	Zn	470	400	4KH - 20S	209120
	20	M36x2	8,5	25	18	14	160	138	113	85	88	67	36,5	16,5	17	320	18	96	-	Al	660	315	4KH - 25S	209121
	25	M42x2	8,5	30	23	17	176	138	119	85	103	82	47,5	16,5	17	320	20	112	-	Al	820	315	4KH - 30S	209122



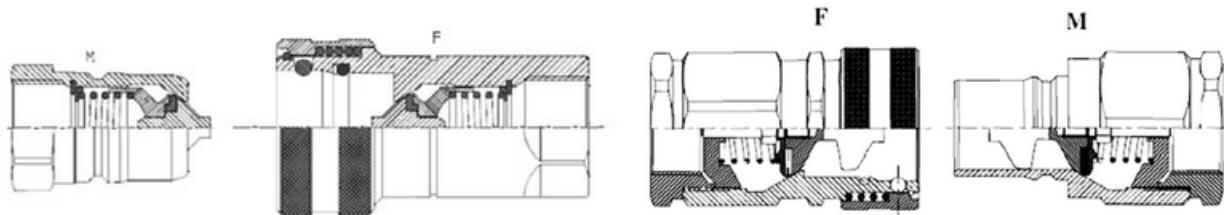
VERSCHLUSS - KUPPLUNG / **RELEASE COUPLING**



VERSCHLUSS - KUPPLUNG / **RELEASE COUPLING**

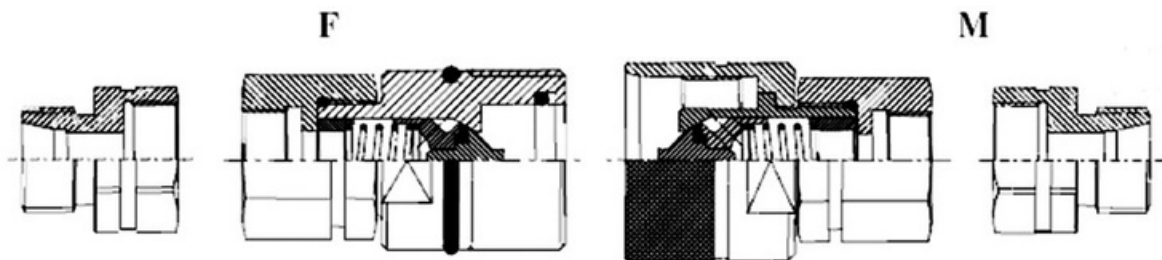
KAPITEL 19 Übersicht

SECTION 19 Visual Index

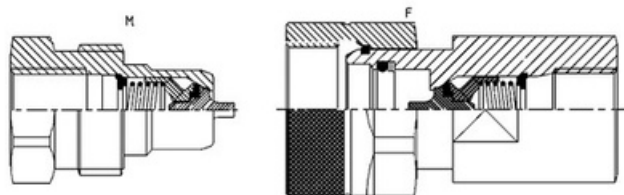


ISO 7241-1B-Strd. 19.02

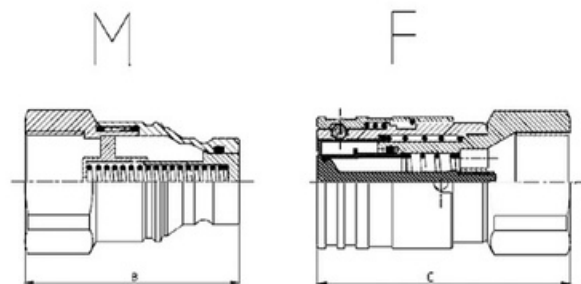
ISO 7241-1B-Big Size 19.03



Serie " 30 " 19.04



Serie " 40 " 19.05



ISO 16028-Strd. 19.06



Staubkappe/Stecker 19.07

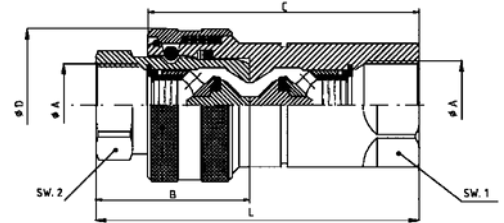
SCHNELLVERSCHLUSS - KUPPLUNG / QUICK RELEASE COUPLING

QRC

Schnellverschluss-Kupplung
ISO 7241-1B, Standard
mit beidseitigem Innengewinde
Gewinde: Whitworth-Rohrgewinde-zyl.

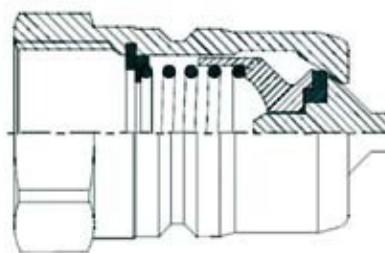
QRC

QuickRelease Coupling
ISO 7241-1B, Standard
With Female Thread Both Sides
Thread: BSPP



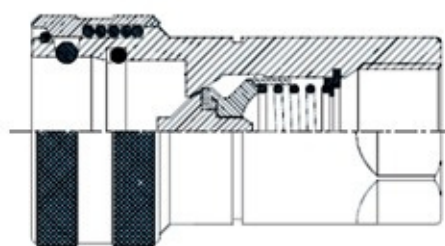
Ø A inch	B mm	C mm	D mm	L mm	SW 1 mm	SW 2 mm	PN bar	Gewicht weight gr.	Bezeichnung name	Artikel-Nr.: article no.
1/8"-04	31	50	24	62	14	14	300	110	QRC - ISO 7241-1B - 1/8"-04	208472
1/4"-06	36	57	28	72	19	19	300	170	QRC - ISO 7241-1B - 1/4"-06	208439
3/8"-09	39	64	35	78	24	24	250	290	QRC - ISO 7241-1B - 3/8"-09	208440
1/2"-13	45,5	73	42	91	27	27	250	500	QRC - ISO 7241-1B - 1/2"-13	208441
3/4"-19	53,5	87	51,5	107	36	36	250	850	QRC - ISO 7241-1B - 3/4"-19	208442
1"-25	63	102	60	125	41	41	200	1250	QRC - ISO 7241-1B - 1"-25	208443

Stecker / male

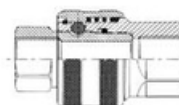


Bezeichnung name	Artikel-Nr.: article no.
KS - ISO 7241-1B - 1/8"-04	203303
KS - ISO 7241-1B - 1/4"-06	204300
KS - ISO 7241-1B - 3/8"-09	204301
KS - ISO 7241-1B - 1/2"-13	204302
KS - ISO 7241-1B - 3/4"-19	204303
KS - ISO 7241-1B - 1"-25	204304

Muffe / female



Bezeichnung name	Artikel-Nr.: article no.
KM - ISO 7241-1B - 1/8"-04	208470
KM - ISO 7241-1B - 1/4"-06	204259
KM - ISO 7241-1B - 3/8"-09	204267
KM - ISO 7241-1B - 1/2"-13	204296
KM - ISO 7241-1B - 3/4"-19	126326
KM - ISO 7241-1B - 1"-25	204299



Durchlass-Kupplung ebenfalls lieferbar
Unvalved (Straight Through) Couplings Too

Werkstoff: Edelstahl AISI 316
Innenteile: 316 SS (Federn, Ringe, Kugeln)
Dichtungen: PTFE (Viton auf Anfrage)
Berstdruck: 2,5 x PN
Andere Gewinde auf Anfrage

Material: Stainless Steel AISI 316
Inner Components: 316 SS (Springs, Rings, Balls)
Seals: PTFE (Viton On Request)
Burstpressure: 2,5 x PN
Other Threads On Request

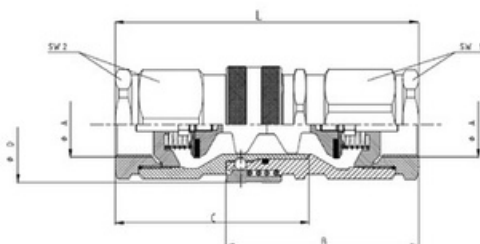
SCHNELLVERSCHLUSS - KUPPLUNG / QUICK RELEASE COUPLING

QRC

Schnellverschluss-Kupplung
ISO 7241-1B, Big Size
mit beidseitigem Innengewinde
Gewinde: Whitworth-Rohrgewinde-zyl.

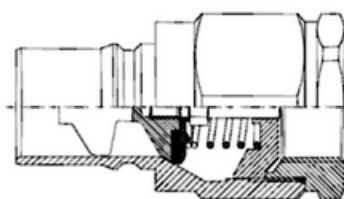
QRC

QuickRelease Coupling
ISO 7241-1B, BigSize
With Female Thread Both Sides
Thread: BSPP



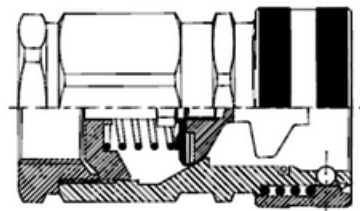
ø A inch	B mm	C mm	D mm	L mm	SW 1 mm	SW 2 mm	PN bar	Gewicht weight gr.	Bezeichnung name	Artikel-Nr.: article no.
1.1/4"-30	126	126	75	198	65	65	140	3700	QRC - ISO 7241-1B - 1.1/4"-30	208466
1.1/2"-40	126	126	75	198	65	65	140	3700	QRC - ISO 7241-1B - 1.1/2"-40	208467
2"-50	142	142	105	222	90	90	90	8000	QRC - ISO 7241-1B - 2"-50	208468

Stecker / male



Bezeichnung name	Artikel-Nr.: article no.
KS - ISO 7241-1B - 1.1/4"-30	126817
KS - ISO 7241-1B - 1.1/2"-40	126818
KS - ISO 7241-1B - 2"-50	126819

Muffe / female



Bezeichnung name	Artikel-Nr.: article no.
KM - ISO 7241-1B - 1.1/4"-30	126814
KM - ISO 7241-1B - 1.1/2"-40	126815
KM - ISO 7241-1B - 2"-50	126816

Werkstoff: Edelstahl AISI 316
Innenteile: 316 SS(Federn, Ringe, Kugeln)
Dichtungen: PTFE (Viton auf Anfrage)
Berstdruck: 2,5 x PN
Andere Gewinde auf Anfrage

Material: Stainless Steel AISI 316
Inner Components: 316 SS (Springs, Rings, Balls)
Seals: PTFE (Viton On Request)
Burstpressure: 2,5 x PN
Other Threads On Request

SCHRAUB - KUPPLUNG / SCREW COUPLING

SC

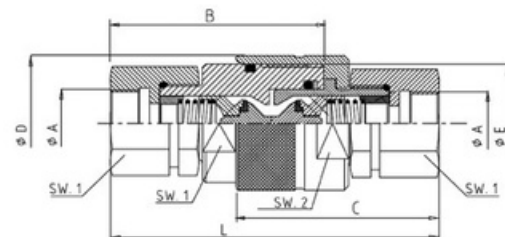
Schraub-Kupplung
Serie "30"

mit beidseitigem Innengewinde
Gewinde: Whitworth-Rohrgewinde-zyl.
Schraubverschluss unter Druck montierbar

SC

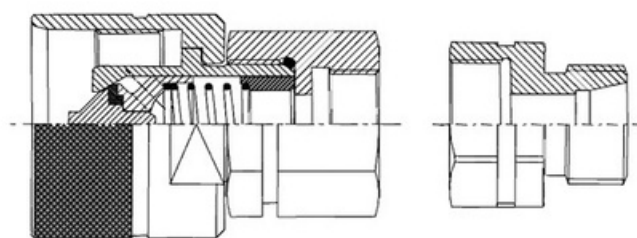
Screw Coupling
Series "30"

With Female Thread Both Sides
Thread: BSPP
Connection Under Pressure Mountable



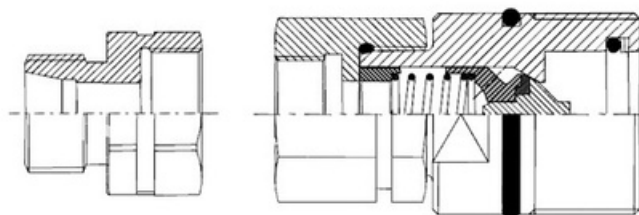
ø A inch	B mm	C mm	D mm	L mm	SW 1 mm	SW 2 mm	E mm	PN bar	Gewicht weight gr.	Bezeichnung name	Artikel-Nr.: article no.
1/4" - 06	59	58	30	92	19	27	M24x2	300	220	SC - Serie 30 - 1/4" - 06	208444
3/8" - 09	64,5	62	34	100	22/24	30	M28x2	250	340	SC - Serie 30 - 3/8" - 09	208445
1/2" - 13	67	63	42	102	30	38	M36x2	250	600	SC - Serie 30 - 1/2" - 13	208446
3/4" - 19	82	75	48	136	36	41	M42x2	250	980	SC - Serie 30 - 3/4" - 19	208447
1" - 25	95	78,5	55	138	41	50	M48x3	250	1300	SC - Serie 30 - 1" - 25	208448
1.1/2" - 40	116	107	70	187	60	65	M70x3	200	4200	SC - Serie 30 - 1.1/2" - 40	208449

Stecker / male



Bezeichnung name	Artikel-Nr.: article no.
SKS - Serie 30 - 1/4" - 06	126828
SKS - Serie 30 - 3/8" - 09	126827
SKS - Serie 30 - 1/2" - 13	126829
SKS - Serie 30 - 3/4" - 19	126830
SKS - Serie 30 - 1" - 25	126831
SKS - Serie 30 - 1.1/2" - 40	208479

Muffe / female



Bezeichnung name	Artikel-Nr.: article no.
SKM - Serie 30 - 1/4" - 06	126832
SKM - Serie 30 - 3/8" - 09	126833
SKM - Serie 30 - 1/2" - 13	126834
SKM - Serie 30 - 3/4" - 19	126835
SKM - Serie 30 - 1" - 25	126836
SKM - Serie 30 - 1.1/2" - 40	208480

Werkstoff: Edelstahl AISI 316
Innenteile: 316 SS (Federn, Ringe)
Dichtungen: PTFE (Viton auf Anfrage)
Berstdruck: 2,5 x PN
Aussen- und Innengewinde in
verschiedenen Größen lieferbar

Material: Stainless Steel AISI 316
Inner Components: 316 SS (Springs, Rings)
Seals: PTFE (Viton On Request)
Burstpressure: 2,5 x PN
Male Or Female End With Different Thread Size Deliverable

SCHRAUB - KUPPLUNG / SCREW COUPLING

SC

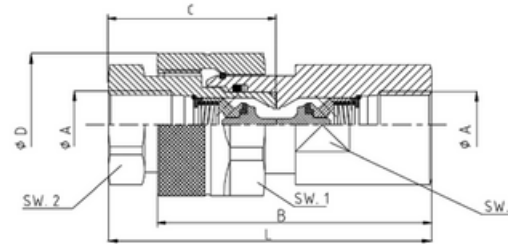
Schraub-Kupplung
Serie "40"

mit beidseitigem Innengewinde
Gewinde: Whitworth-Rohrgewinde-zyl.

SC

Screw Coupling
Series "40"

With Female Thread Both
Sides Thread: BSPP

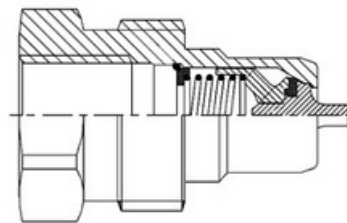


ø A inch	B mm	C mm	D mm	L mm	SW 1 mm	SW 2 mm	SW 3 mm	PN bar	Gewicht weight gr.	Bezeichnung name	Artikel-Nr.: article no.
1/4"-06	68	43	30	84	27	25	22	650	300	SC - Serie 40 - 1/4"-06	208450
3/8"-09	75	48	40	89,5	36	32	27	650	550	SC - Serie 40 - 3/8"-09	208451
1/2"-13	86,5	53	45	102	41	34	34	600	780	SC - Serie 40 - 1/2"-13	208452
3/4"-19	105	63	55	121	50	46	41	500	1400	SC - Serie 40 - 3/4"-19	208453
1"-25	120	72	60	136	55	50	50	460	2400	SC - Serie 40 - 1"-25	208454
1.1/4"-30	153	86	80	167	75	65 *	65	400	3900	SC - Serie 40 - 1.1/4"-30	208455
1.1/2"-40	172	95	98	188	90	80 *	75	360	6400	SC - Serie 40 - 1.1/2"-40	208456
2"-50	205	118	129	227	125	110 *	100	210	13900	SC - Serie 40 - 2"-50	208457

* = 2-Kant

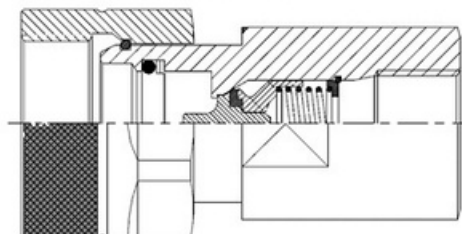
* = 2 Faces

Stecker / male



Bezeichnung name	Artikel-Nr.: article no.
SKS - Serie 40 - 1/4"-06	208481
SKS - Serie 40 - 3/8"-09	208482
SKS - Serie 40 - 1/2"-13	208483
SKS - Serie 40 - 3/4"-19	208484
SKS - Serie 40 - 1"-25	208485
SKS - Serie 40 - 1.1/4"-30	208486
SKS - Serie 40 - 1.1/2"-40	208487
SKS - Serie 40 - 2"-50	208488

Muffe / female



Bezeichnung name	Artikel-Nr.: article no.
SKM - Serie 40 - 1/4"-06	208489
SKM - Serie 40 - 3/8"-09	208490
SKM - Serie 40 - 1/2"-13	208491
SKM - Serie 40 - 3/4"-19	208492
SKM - Serie 40 - 1"-25	208493
SKM - Serie 40 - 1.1/4"-30	208494
SKM - Serie 40 - 1.1/2"-40	208495
SKM - Serie 40 - 2"-50	208496

Werkstoff: Edelstahl AISI 316
Innenteile: 316 SS (Federn, Ringe)
Dichtungen: PTFE (Viton auf Anfrage)
Berstdruck: 2,5 x PN
Spezial Aluminium Staubkappen lieferbar

Material: Stainless Steel AISI 316
Inner Components: 316 SS (Springs, Rings)
Seals: PTFE (Viton On Request)
Burstpressure: 2,5 x PN
Special Aluminium Dust Cover Deliverable

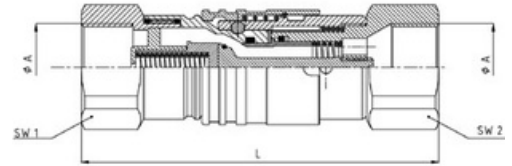
FLAT FACE - KUPPLUNG / FLAT FACE COUPLING

FF

Flat Face-Kupplung
ISO 16028Standard mit beidseitigem
Innengewinde Gewinde:Whitworth-
Rohrgewinde-zyl. Integrierte
Sicherheitsvorrichtung

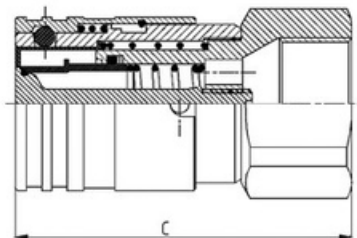
FF

FlatFace Coupling
ISO 16028Standard
With Female Thread Both Sides
Thread:BSPP
Safety Block Device



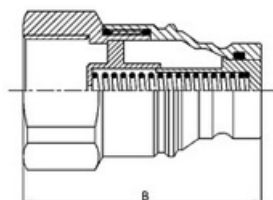
Ø A inch	B mm	C mm	L mm	SW 1 mm	SW 2 mm	PN bar	Gewicht weight gr.	Bezeichnung name	Artikel-Nr.: articleno.
1/4"-06	48	48	86	22	22	300	250	FF - ISO16028 - 1/4" - 06	208458
3/8"-09	67	68	118	27	27	250	400	FF - ISO16028 - 3/8" - 09	208459
1/2"-13	68	74	125	32	32	250	650	FF - ISO16028 - 1/2" - 13	208460
3/4"-19	70	79	130	36	36	200	750	FF - ISO16028 - 3/4" - 19	208461
1"-25	82	93	153	45	45	150	1200	FF - ISO16028 - 1" - 25	208462
1.1/4"-30	90	106	172,5	55	55	100	1950	FF - ISO16028 - 1.1/4" - 30	208463
1.1/2"-40	112	132,5	173	65	65	90	4500	FF - ISO16028 - 1.1/2" - 40	208464
2"-50	124	157	242	75	75	60	8500	FF - ISO16028 - 2" - 50	208465

Stecker / male



Bezeichnung name	Artikel-Nr. article no.
FKS - ISO 16028 - 1/4" - 06	208497
FKS - ISO 16028 - 3/8" - 09	208498
FKS - ISO 16028 - 1/2" - 13	208499
FKS - ISO 16028 - 3/4" - 19	208500
FKS - ISO 16028 - 1" - 25	208501
FKS - ISO 16028 - 1.1/4" - 30	208502
FKS - ISO 16028 - 1.1/2" - 40	208503
FKS - ISO 16028 - 2" - 50	208504

Muffe / female



Bezeichnung name	Artikel-Nr. article no.
FKM - ISO 16028 - 1/4" - 06	208505
FKM - ISO 16028 - 3/8" - 09	208506
FKM - ISO 16028 - 1/2" - 13	208507
FKM - ISO 16028 - 3/4" - 19	208508
FKM - ISO 16028 - 1" - 25	208509
FKM - ISO 16028 - 1.1/4" - 30	208510
FKM - ISO 16028 - 1.1/2" - 40	208511
FKM - ISO 16028 - 2" - 50	208512

Werkstoff: Edelstahl AISI 316
Innenteile: 316 SS(Federn, Ringe)
Dichtungen: PTFE (Viton auf Anfrage)
Vollständige Abdichtung - kein Luftdurchlass
Anwendbar wenn vollständige Abdichtung
erforderlich ist

Material: Stainless Steel AISI 316
Inner Components: 316 SS (Springs, Rings)
Seals: PTFE (Viton On Request)
Complete Seal - No Air Inclusion During Connection
Application Where Leaks Aren't Allowed For Safety
Reasons

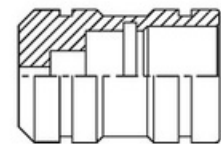
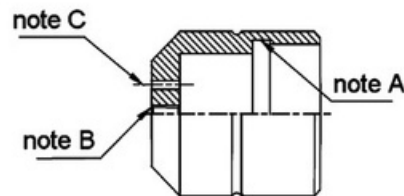
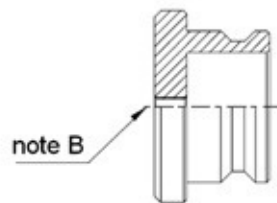
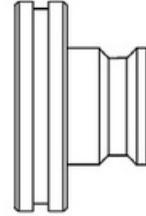
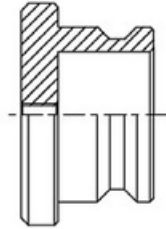
STAUB - ABDECKUNG / DUST COVER

STAUBABDECKUNG

Stecker und Kappe
Werkstoff: Aluminium (Standard)
316 SS auf Anfrage
PVC auf Anfrage

DUST COVER

Male And Female
Material: Aluminium (Standard)
316 SS On Request
PVC On Request



Note A: Viton-Dichtbereich

Note A: Viton-Seal Location

Note B: Bereich für Gewindestift mit
Edelstahl-Kette und Edelstahl-
Ring am Ende der Kette

Note B: Location For A Threaded Nail With A Stainless
Steel Chain And Stainless Steel Ring At The End
Of The Chain

Note C: Entlüftungsbohrung

Note C: Air Passage Hole



ZUBEHÖR / ACCESSORIES

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