



rtc[®]

COUPLING TECHNOLOGY

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045

rtc TYPE



FREE FLOW TYPE



Temperature Range

Nitrile (N) -20°C + 100°C (- 4°F + 212°F)
FPM (V) -20°C + 180°C (- 4°F + 356°F)

Flow size

rtc 045.04 4 mm
rtc 045.06 7 mm
rtc 045.10 10 mm
rtc 045.13 13 mm
rtc 045.19 19 mm
rtc 045.25 25 mm
rtc 045.32 32 mm
rtc 045.38 38 mm

Material of Standard Coupler

Socket body - Brass -
Kupplungsgrundkörper Messing
Sleeve - Hülse Brass - Messing
Springs - Federn Stainless Steel - Edelstahl
Locking Ring - Sprenging Stainless Steel - Edelstahl
Balls - Kugeln Stainless Steel - Edelstahl
Seals - Dichtungen Nitrile (N)

Plug - Nippel Brass - Messing

Material of Steel Coupler

Socket body - Steel nickel plated -
Kupplungsgrundkörper Stahl Nickel beschichtet
Sleeve - Hülse Steel nickel plated -
Hülse Stahl Nickel beschichtet
Springs - Federn Stainless Steel - Edelstahl
Locking Ring - Sprenging Stainless Steel - Edelstahl
Balls - Kugeln Stainless Steel - Edelstahl
Seals - Dichtungen Nitrile (N)

Plug - Nippel Steel nickel plated -
Stahl Nickel beschichtet

Max. Working Pressure

Please Check the table below

Applications

- High Pressure water
- Steam Washer
- Water, Oil and Air connections
- High Flow Fluid Passages

Attention

Only plug and socket with the same thread fit together

Material of Stainless Steel Coupler

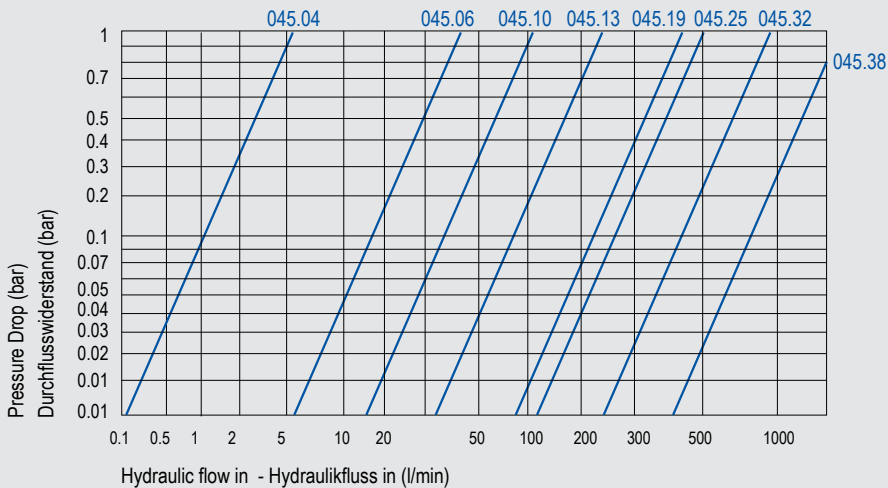
Socket body - Stainless Steel -
Kupplungsgrundkörper Edelstahl
Sleeve - Hülse Stainless Steel - Edelstahl
Springs - Federn Stainless Steel - Edelstahl
Locking Ring - Sprenging Stainless Steel - Edelstahl
Balls - Kugeln Stainless Steel - Edelstahl
Seals - Dichtungen FPM (V)

Plug - Nippel Stainless Steel - Edelstahl



Body Size Größe		Working Pressure / Betriebsdruck					
		Brass - Messing		Steel - Stahl		Stainless steel - Edelstahl (AISI 303 / AISI 316)	
		Bar	PSI	Bar	PSI	Bar	PSI
045.04	BSP 1/8	175	2550	330	4800	290	4200
045.06	BSP 1/4	360	5200	520	7500	465	6700
045.10	BSP 3/8	175	2550	415	6000	380	5500
045.13	BSP 1/2	175	2550	240	3500	210	3000
045.19	BSP 3/4	120	1750	240	3500	210	3000
045.25	BSP 1	85	1250	140	2000	120	1750
045.32	BSP 1 -1/4	120	1750	175	2550	140	2000
045.38	BSP 1 -1/2	105	1550	150	2250	125	1800

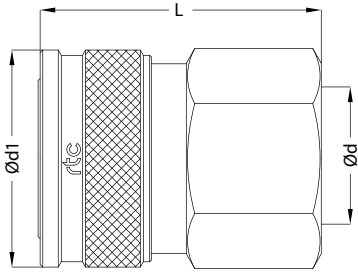
Flow Rate vs Pressure Drop Graph



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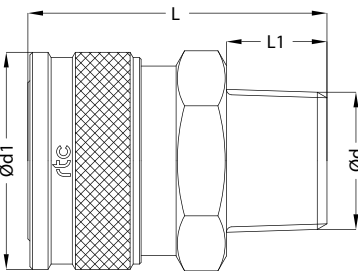
Female thread socket / Kupplung mit Innengewinde



Sockets / Kupplungen	Size / Größe	Order No Brass Bestellnr. Messing	Order No Steel Bestellnr. Stahl	Order No AISI 303 Bestellnr. AISI 303	Ød	Ød1	L	HEX
04		045.04 SFF 10-MS	045.04 SFF 10-ST	045.04 SFF 10-S3	BSP 1/8	16	25	14
		045.04 SNF 10-MS	045.04 SNF 10-ST	045.04 SNF 10-S3	NPT 1/8	16	25	14
06		045.06 SFF 13-MS	045.06 SFF 13-ST	045.06 SFF 13-S3	BSP 1/4	24	37	21
		045.06 SNF 13-MS	045.06 SNF 13-ST	045.06 SNF 13-S3	NPT 1/4	24	37	21
10		045.10 SFF 17-MS	045.10 SFF 17-ST	045.10 SFF 17-S3	BSP 3/8	28	40	24
		045.10 SNF 17-MS	045.10 SNF 17-ST	045.10 SNF 17-S3	NPT 3/8	28	40	24
13		045.13 SFF 21-MS	045.13 SFF 21-ST	045.13 SFF 21-S3	BSP 1/2	32	51	27
		045.13 SNF 21-MS	045.13 SNF 21-ST	045.13 SNF 21-S3	NPT 1/2	32	51	27
19		045.19 SFF 26-MS	045.19 SFF 26-ST	045.19 SFF 26-S3	BSP 3/4	40	54	36
		045.19 SNF 26-MS	045.19 SNF 26-ST	045.19 SNF 26-S3	NPT 3/4	40	54	36
25		045.25 SFF 33-MS	045.25 SFF 33-ST	045.25 SFF 33-S3	BSP 1	50	60	41
		045.25 SNF 33-MS	045.25 SNF 33-ST	045.25 SNF 33-S3	NPT 1	50	60	41
32		045.32 SFF 42-MS	045.32 SFF 42-ST	045.32 SFF 42-S3	BSP 1-1/4	60	60	50
		045.32 SNF 42-MS	045.32 SNF 42-ST	045.32 SNF 42-S3	NPT 1-1/4	60	60	50
38		045.38 SFF 48-MS	045.38 SFF 48-ST	045.38 SFF 48-S3	BSP 1-1/2	79	74	65
		045.38 SNF 48-MS	045.38 SNF 48-ST	045.38 SNF 48-S3	NPT 1-1/2	79	74	65

rtc TYPE 045

Male thread socket / Kupplung mit Aussengewinde

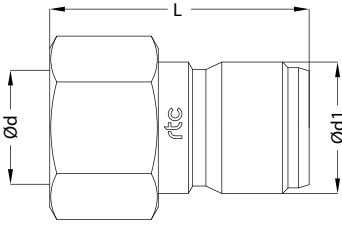


Sockets / Kupplungen	Size / Größe	Order No Brass Bestellnr. Messing	Order No Steel Bestellnr. Stahl	Order No AISI 303 Bestellnr. AISI 303	Ød	Ød1	L	L1	HEX
04		045.04 SRF 10-MS	045.04 SRF 10-ST	045.04 SRF 10-S3	BSPT 1/8	16	27	9	14
		045.04 STF 10-MS	045.04 STF 10-ST	045.04 STF 10-S3	NPT 1/8	16	27	9	14
06		045.06 SRF 13-MS	045.06 SRF 13-ST	045.06 SRF 13-S3	BSPT 1/4	24	40	11	21
		045.06 STF 13-MS	045.06 STF 13-ST	045.06 STF 13-S3	NPT 1/4	24	40	11	21
10		045.10 SRF 17-MS	045.10 SRF 17-ST	045.10 SRF 17-S3	BSPT 3/8	28	43	12	24
		045.10 STF 17-MS	045.10 STF 17-ST	045.10 STF 17-S3	NPT 3/8	28	43	12	24
13		045.13 SRF 21-MS	045.13 SRF 21-ST	045.13 SRF 21-S3	BSPT 1/2	32	51	17	27
		045.13 STF 21-MS	045.13 STF 21-ST	045.13 STF 21-S3	NPT 1/2	32	51	17	27
19		045.19 SRF 26-MS	045.19 SRF 26-ST	045.19 SRF 26-S3	BSPT 3/4	40	57	19	36
		045.19 STF 26-MS	045.19 STF 26-ST	045.19 STF 26-S3	NPT 3/4	40	57	19	36
25		045.25 SRF 33-MS	045.25 SRF 33-ST	045.25 SRF 33-S3	BSPT 1	50	64	22	41
		045.25 STF 33-MS	045.25 STF 33-ST	045.25 STF 33-S3	NPT 1	50	64	22	41
32		045.32 SRF 42-MS	045.32 SRF 42-ST	045.32 SRF 42-S3	BSPT 1-1/4	60	78	24	50
		045.32 STF 42-MS	045.32 STF 42-ST	045.32 STF 42-S3	NPT 1-1/4	60	78	24	50
38		045.38 SRF 48-MS	045.38 SRF 48-ST	045.38 SRF 48-S3	BSPT 1-1/2	79	80	25	65
		045.38 STF 48-MS	045.38 STF 48-ST	045.38 STF 48-S3	NPT 1-1/2	79	80	25	65



Female thread plug / Nippel mit Innengewinde

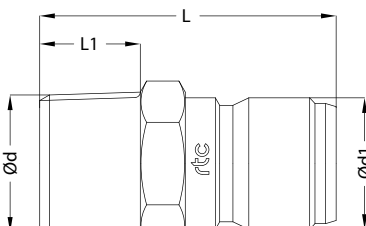
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Plug / Nippel	Size / Größe	Order No Brass Bestellnr. Messing	Order No Steel Bestellnr. Stahl	Order No AISI 303 Bestellnr. AISI 303	Ød	Ød1	L	HEX
	04	045.04 PFF 10-MS	045.04 PFF 10-ST	045.04 PFF 10-S3	BSP 1/8	8	24	12
		045.04 PNF 10-MS	045.04 PNF 10-ST	045.04 PNF 10-S3	NPT 1/8	8	24	12
	06	045.06 PFF 13-MS	045.06 PFF 13-ST	045.06 PFF 13-S3	BSP 1/4	12	36	14
		045.06 PNF 13-MS	045.06 PNF 13-ST	045.06 PNF 13-S3	NPT 1/4	12	36	14
	10	045.10 PFF 17-MS	045.10 PFF 17-ST	045.10 PFF 17-S3	BSP 3/8	15	42	17
		045.10 PNF 17-MS	045.10 PNF 17-ST	045.10 PNF 17-S3	NPT 3/8	15	42	17
	13	045.13 PFF 21-MS	045.13 PFF 21-ST	045.13 PFF 21-S3	BSP 1/2	18	47	22
		045.13 PNF 21-MS	045.13 PNF 21-ST	045.13 PNF 21-S3	NPT 1/2	18	47	22
	19	045.19 PFF 26-MS	045.19 PFF 26-ST	045.19 PFF 26-S3	BSP 3/4	25	49	27
		045.19 PNF 26-MS	045.19 PNF 26-ST	045.19 PNF 26-S3	NPT 3/4	25	49	27
	25	045.25 PFF 33-MS	045.25 PFF 33-ST	045.25 PFF 33-S3	BSP 1	33	60	35
		045.25 PNF 33-MS	045.25 PNF 33-ST	045.25 PNF 33-S3	NPT 1	33	60	35
	32	045.32 PFF 42-MS	045.32 PFF 42-ST	045.32 PFF 42-S3	BSP 1-1/4	42	61	45
		045.32 PNF 42-MS	045.32 PNF 42-ST	045.32 PNF 42-S3	NPT 1-1/4	42	61	45
38	045.38 PFF 48-MS	045.38 PFF 48-ST	045.38 PFF 48-S3	BSP 1-1/2	52	72	55	
	045.38 PNF 48-MS	045.38 PNF 48-ST	045.38 PNF 48-S3	NPT 1-1/2	52	72	55	



Male thread plug / Nippel mit Aussengewinde

TYPE 045 

Plug / Nippel	Size / Größe	Order No Brass Bestellnr. Messing	Order No Steel Bestellnr. Stahl	Order No AISI 303 Bestellnr. AISI 303	Ød	Ød1	L	L1	HEX
	04	045.04 PRF 10-MS	045.04 PRF 10-ST	045.04 PRF 10-S3	BSPT 1/8	8	28	9	14
		045.04 PTF 10-MS	045.04 PTF 10-ST	045.04 PTF 10-S3	NPT 1/8	8	28	9	14
	06	045.06 PRF 13-MS	045.06 PRF 13-ST	045.06 PRF 13-S3	BSPT 1/4	12	39	11	17
		045.06 PTF 13-MS	045.06 PTF 13-ST	045.06 PTF 13-S3	NPT 1/4	12	39	11	17
	10	045.10 PRF 17-MS	045.10 PRF 17-ST	045.10 PRF 17-S3	BSPT 3/8	15	43	12	22
		045.10 PTF 17-MS	045.10 PTF 17-ST	045.10 PTF 17-S3	NPT 3/8	15	43	12	22
	13	045.13 PRF 21-MS	045.13 PRF 21-ST	045.13 PRF 21-S3	BSPT 1/2	18	49	17	27
		045.13 PTF 21-MS	045.13 PTF 21-ST	045.13 PTF 21-S3	NPT 1/2	18	49	17	27
	19	045.19 PRF 26-MS	045.19 PRF 26-ST	045.19 PRF 26-S3	BSPT 3/4	25	56	19	30
		045.19 PTF 26-MS	045.19 PTF 26-ST	045.19 PTF 26-S3	NPT 3/4	25	56	19	30
	25	045.25 PRF 33-MS	045.25 PRF 33-ST	045.25 PRF 33-S3	BSPT 1	33	63	22	38
		045.25 PTF 33-MS	045.25 PTF 33-ST	045.25 PTF 33-S3	NPT 1	33	63	22	38
	32	045.32 PRF 42-MS	045.32 PRF 42-ST	045.32 PRF 42-S3	BSPT 1-1/4	42	69	24	50
		045.32 PTF 42-MS	045.32 PTF 42-ST	045.32 PTF 42-S3	NPT 1-1/4	42	69	24	50
38	045.38 PRF 48-MS	045.38 PRF 48-ST	045.38 PRF 48-S3	BSPT 1-1/2	52	84	25	55	
	045.38 PTF 48-MS	045.38 PTF 48-ST	045.38 PTF 48-S3	NPT 1-1/2	52	84	25	55	