

A full range of hydraulic parts such as: pumps, hydraulic valves, hoses, steering pumps, lift cylinders, cylinder repair kits, fittings, ...

THREADED CONNECTIONS

outer thread							inner thread						
diameter	step mm	step inch	metric type	BSP	NPT	NF-thread JIC/SAE	diameter	step mm	step inch	metric type	BSP	NPT	NF-thread JIC/SAE
9,728		28		1/8			8,565		28		1/8		
10	1		M10x1				8,674		27			1/8	
10		1,5	M10x1,5				8,701	1		M10x1			
10,287		27			1/8		9,025	1,5		M10x1,5			
11,113		20				7/16-20	9,738		20				7/16-20
12	1,5		M12x1,5				10,052	1,5		M12x1,5			
12,7		20				1/2-20	11,265		18			1/4	
13,157		19		1/4			11,326		20				1/2-20
13,718		18			1/4		11,445		19		1/4		
14	1,5		M14x1,5				12,052	15		M14x1,5			
14,288		18				9/16-18	12,761		18				9/16-18
15,875		18				5/8-18	14,052	1,5		M16x1,5			
16		1,5	M16x1,5				14,348		18				
16,662		19		3/8			14,704		18			3/8	
17,145		18			3/8		14,950		19		3/8		
18	1,5		M18x1,5				16,052	1,5		M18x1,5			
19,05		16				3/4-16	17,330		16				3/4-16
20	1,5		M20x1,5				18,052	1,5		M20x1,5			
20,955		14		1/2			18,161		14			1/2	
21,336		14			1/2		18,633		14		1/2		
22	1,5		M22x1,5				20,052	1,5		M22x1,5			
22,225		14				7/8-14	20,262		14				7/8-14
22,911		14		5/8			20,589		14		5/8		
24	1,5		M24x1,5				22,052	1,5		M24x1,5			
26	1,5		M26x1,5				23,508		14			3/4	
26,441		14		3/4			24,052	1,5		M26x1,5			
26,67		14			3/4		24,120		14		3/4		
26,988		14				1 1/16-14	24,402	2		M27x2			
26,988		12				1 1/16-12	24,696		14				1 1/16-14
27	2		M27x2				24,696		12				1 1/16-12
30	1,5		M30x1,5				27,402	2		M30x2			
30	2		M30x2				27,871		12				13/16-12
30,163		12				1 3/16-12	28,052	1,5		M30x1,5			
33	2		M33x2				29,517		11 1/2			1	
33,249		11		1			30,292		11		1		
33,338		12				1 5/16-12	30,402	2		M33x2			
33,401		11 1/2			1		31,046		12				1 5/16-12
36	2		M36x2				33,402	2		M36x2			
38	1,5		M38x1,5				36,052	1,5		M38x1,5			
41,275		12				1 5/8-12	38,252		11 1/2			1 1/4	
41,91		11		1 1/4			38,953		11		1 1/4		
42	2		M42x2				38,984		12				1 5/8-12
42,164		11 1/2			1 1/4		39,402	2		M42x2			
45	1,5		M45x1,5				42,402	2		M45x2			
45	2		M45x2				43,052	1,5		M45x1,5			
47,625		12				1 7/8-12	44,323		11 1/2			1 1/2	
47,803		11		1 1/2			44,846		11		1 1/2		
48	2		M48x2				45,334		12				1 7/8-12
48,26		11 1/2			1 1/2		45,402	2		M48x2			
52	2		M52x2				49,402	2		M52x2			
52	1,5		M52x1,5				50,052	1,5		M52x1,5			
53,746		11		1 3/4			50,790		11		1 3/4		
59,614		11		2			56,363		11 1/2			2	
60,325		11 1/2			2		56,657		11		2		
63,5		12				2 1/2-12	61,209		12				2 1/2-12
65	2		M65x2				62,402	2		M65x2			



SAE 100R7 SINGLE



REF	ID		OD	MAX. WORKING PRESSURE	MIN. BURST PRESSURE	MIN. BEND
107TA3425	3/16	4,8	10,9	225	900	19
107TA3426	1/4	6,4	13	210	840	32
107TA3427	5/16	7,9	14,5	175	700	44
107TA3428	3/8	9,5	16,5	155	620	51
107TA3429	1/2	12,7	20,6	140	560	76
111TA3996	5/8	15,9	24,9	105	420	102
107TA3430	3/4	19,1	26,9	85	340	127
107TA3431	1	25,4	33,8	70	280	203



SAE 100R7 DOUBLE



REF	ID		OD	MAX. WORKING PRESSURE	MIN. BURST PRESSURE	MIN. BEND
107TA3420	3/16	4,8	10,9	225	900	19
107TA3421	1/4	6,4	13	210	840	32
107TA3422	5/16	7,9	14,5	175	700	44
107TA3423	3/8	9,5	16,5	155	620	51
107TA3424	1/2	12,7	20,6	140	560	76



R1AT/1SN



REF	ID				OD		MAX. WORKING PRESSURE	MIN. BURST PRESSURE	MIN. BEND
	mm	inch	min	max	min	max			
111TA3997	5	3/16	4,6	5,4	11,1	12,5	250	1000	85
107TA3413	6,5	1/4	6,2	7,0	12,7	14,1	225	900	100
107TA3414	8	5/16	7,7	8,5	14,3	15,7	215	850	115
111TA3998	9,5	3/8	9,3	10,1	16,7	18,1	180	720	130
107TA3416	13	1/2	12,3	13,5	19,8	21,4	160	640	180
107TA3417	16	5/8	15,5	16,7	22,9	24,5	130	520	200
111TA3999	19	3/4	18,6	19,8	26,9	28,5	105	420	240
111TA4000	25	1	25,0	26,4	34,6	36,6	88	350	300
111TA4001	32	1 1/4	31,4	33	42,2	44,8	63	250	420
111TA4002	38	1 1/2	37,7	39,3	49,1	52,1	50	200	500



R2AT/ 2SN



REF	ID				OD		MAX. WORKING PRESSURE	MIN. BURST PRESSURE	MIN. BEND
	mm	inch	min	max	min	max			
111TA4003	5	3/16	4,6	5,4	12,7	14,1	415	1650	90
107TA3405	6,5	1/4	6,2	7,0	14,3	15,7	400	1600	100
111TA4004	8	5/16	7,7	8,5	15,9	17,3	350	1400	115
107TA3406	9,5	3/8	9,3	10,1	18,3	19,7	330	1320	130
107TA3407	13	1/2	12,3	13,5	21,4	23	275	1100	180
107TA3408	16	5/8	15,5	16,7	24,6	26,2	250	1000	200
107TA3409	19	3/4	18,6	19,8	28,5	30,1	215	850	240
107TA3410	25	1	25,0	26,4	37,3	39,9	165	650	300
111TA4005	32	1 1/4	31,4	33,0	47,1	49,5	125	500	420
107TA3412	38	1 1/2	37,7	39,3	53,3	55,9	90	360	500



R9R

REF	ID				OD		MAX. WORKING PRESSURE	MIN. BURST PRESSURE	MIN. BEND
	mm	inch	min	max	min	max			
111TA4006	6,5	1/4	6,2	7,0	17,2	18,4	500	2000	120
107TA3401	9,5	3/8	9,3	10,1	20,6	22,2	445	1780	130
107TA3402	13	1/2	12,3	13,5	23,8	25,4	415	1660	180
111TA4007	16	5/8	15,5	16,7	27,7	29,3	390	1560	225
107TA3403	19	3/4	18,6	19,8	31,2	32,8	350	1400	280
107TA3404	25	1	25,0	26,4	38,5	40,9	310	1240	355
111TA4008	32	1 1/4	31,4	33,4	46,3	48,7	280	1120	460
111TA4009	38	1 1/2	37,7	39,7	52,3	54,7	260	1040	560



Please indicate the length and the diameter.

HIGH-RESISTANCE PVC HOSES

Ø d mm	Ø D mm	REF metre
3 mm	8 mm	107TA3443
5 mm	11 mm	107TA3444
5 mm	8 mm	107TA3445
6 mm	12 mm	107TA3446
8 mm	14 mm	107TA3447

Ø d	Ø D	REF metre
10 mm	16 mm	107TA3448
13 mm	20 mm	107TA3449
16 mm	24 mm	107TA3450
19 mm	26 mm	107TA3451



Please indicate the length and the diameter.

HYDRAULIC HOSES (LOW PRESSURE)

Ø d mm	Ø D mm	REF metre
4,5	9,5	107TA3432
5,5	10,5	107TA3433
7,5	12,5	107TA3434
9,0	15,0	107TA3435
11,0	17,5	107TA3436
15,0	22,5	107TA3437

Ø d	Ø D	REF metre
18,0	26,0	107TA3438
22,0	30,0	107TA3439
25,0	35,5	107TA3440
32,0	42,5	107TA3441
38,0	49,5	107TA3442

CLAMPS FOR HYDRAULIC HOSES

Diameter	Width	REF
10 mm	20 mm	106TA2810
12 mm	15 mm	106TA2811
15 mm	15 mm	106TA2812
16 mm	20 mm	106TA2813
18 mm	12 mm	106TA2814
18 mm	15 mm	106TA2815

Diameter	Width	REF
20 mm	15 mm	106TA2816
20 mm	25 mm	106TA2817
30 mm	20 mm	106TA2818
40 mm	20 mm	106TA2819
66 mm	25 mm	106TA2820



HOSE CLAMPS

Diameter	REF
4-5 mm	107TA3482
9 mm	107TA3483
10-12 mm	107TA3484
12-13 mm	107TA3485
12-18 mm	107TA3486

Diameter	REF
14 mm	107TA3487
15 mm	107TA3488
20 mm	107TA3489
25-28 mm	107TA3490
30-32 mm	107TA3491



HOSE PLIERS

cutting pliers

REF 107TA3480

replacement blade

REF 107TA3481

Hand pliers for hoses.
Convenient tool for cutting the hoses of diameter
between 1/8 " and 1/2 ".
The blades can be replaced.
Plastic grips fitted onto plier handgrips



HOSE CUTTER

REF 107TA3479

Used for cutting all sizes of hoses. Spring-actuated guard that
holds the hose and protects the operator.

REF 107TA3478

Replacement blade



TWIN-LINE HOSE SEPARATION TOOL

REF 107TA3477

With this tool the cover of the hose remains undamaged
when separating the twin-line hose.

REF 107TA3476

Replacement blade



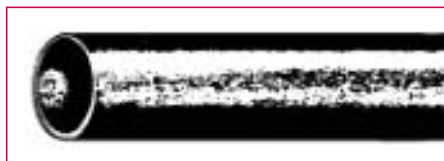
PROTECTIVE SLEEVES

Black woven polyester



REF per m	flat width	for hose
116TA5759	35	1/4
116TA5760	40	3/8
116TA5761	45	
116TA5762	50	
116TA5763	55	1/2 - 5/8
116TA5764	65	3/4
116TA5765	80	1
116TA5766	120	
116TA5767	150	

Polysleeve



REF per 3m	for hose	
116TA5768	3/8	
116TA5769	1/2	
116TA5770	3/4	
116TA5771	1"	

Polysleeve clamp



REF		
116TA5772		

HEAT RESISTANT PROTECTIVE SLEEVES



REF	Outer Ø (mm)	Inner Ø (mm)		Weight kg/m
		Nominal	Minimum	
116TA5773	35,1	25,4	24,3	0,49
116TA5774	40,4	31,8	30,7	0,55
116TA5775	44,5	34,9	34,2	0,65
116TA5776	48,3	38,1	37,1	0,71
116TA5777	52,3	44,4	43,4	0,55

STEEL PROTECTIVE COIL SPRING



REF per m	inner Ø
106TA6464	13 mm
106TA6465	15 mm
106TA6466	17 mm
106TA6467	19 mm
106TA6468	21 mm
106TA6469	23 mm
106TA6470	26 mm
106TA6471	29 mm
106TA6472	33 mm
106TA6473	41 mm
106TA6474	48 mm
106TA6475	54 mm

SOLD
PER METRE

STEEL PROTECTIVE COIL SPRING



REF per m	inner Ø	wire thickness
116TA6121	14 mm	2 mm
116TA6122	18 mm	2 mm
116TA6123	20 mm	2 mm
116TA6124	23 mm	2 mm
116TA6125	25 mm	2 mm
116TA6126	27 mm	2 mm
116TA6127	27 mm	2,5 mm
116TA6128	30 mm	3 mm
116TA6129	34 mm	3 mm
116TA6130	41 mm	3 mm
116TA6131	48 mm	3 mm
116TA6132	51 mm	3 mm
116TA6133	52 mm	3 mm
116TA6134	54 mm	3 mm

STEEL PROTECTIVE COIL SPRING



REF	inner dia.
106TA6448	18,5 mm
106TA6449	22,3 mm
106TA6450	25,5 mm
106TA6451	29,3 mm
106TA6452	34,2 mm
106TA6453	42 mm
106TA6454	53,1 mm

PLASTIC PROTECTIVE COIL SLEEVE



REF per m	inner Ø
106TA6455	7 mm
106TA6456	9 mm
106TA6457	13 mm
106TA6458	16 mm
106TA6459	20 mm
106TA6460	25 mm
106TA6461	30 mm
106TA6462	40 mm
106TA6463	50 mm



Ø tube					
6		107TA3629	107TA3562	107TA3519	107TA3509
6,35		107TA3630	107TA3563	107TA3519	107TA3509
7,93		107TA3631	107TA3564	107TA3519	107TA3509
8		107TA3632	107TA3565	107TA3519	107TA3509
9,52		107TA3633	107TA3566	107TA3519	107TA3509
10		107TA3634	107TA3567	107TA3519	107TA3509
12		107TA3635	107TA3568	107TA3519	107TA3509
12,7 (M6)		107TA3636	107TA3569	107TA3519	107TA3509
12,7 (M8)		107TA3637	107TA3570	107TA3519	107TA3510
13,25		107TA3638	107TA3571	107TA3520	107TA3510
14		107TA3639	107TA3572	107TA3520	107TA3510
15,87		107TA3641	107TA3574	107TA3520	107TA3510
16		107TA3642	107TA3573	107TA3520	107TA3510
16,75		107TA3643	107TA3575	107TA3520	107TA3510
18		107TA3644	107TA3576	107TA3520	107TA3510
19,05		107TA3645	107TA3577	107TA3521	107TA3511
20		107TA3646	107TA3578	107TA3521	107TA3511
21,25		107TA3647	107TA3579	107TA3521	107TA3511
22		107TA3648	107TA3580	107TA3521	107TA3511
25		107TA3649	107TA3581	107TA3521	107TA3511
25,4		107TA3650	107TA3582	107TA3521	107TA3511
26,75		107TA3651	107TA3583	107TA3522	107TA3512
28		107TA3652	107TA3584	107TA3522	107TA3512
30		107TA3653	107TA3585	107TA3522	107TA3512
31,75		107TA3654	107TA3586	107TA3523	107TA3513
33,5		107TA3655	107TA3587	107TA3523	107TA3513
35		107TA3656	107TA3588	107TA3523	107TA3513
38		107TA3657	107TA3589	107TA3523	107TA3513
42		107TA3658	107TA3590	107TA3523	107TA3513

Ø tube					
6		123TA9508	123TA9518	107TA3514	123TA9528
6,35		123TA9509	123TA9519	107TA3514	123TA9528
7,93		123TA9510	123TA9520	107TA3514	123TA9528
8		123TA9511	123TA9521	107TA3514	123TA9528
9,52		123TA9512	123TA9522	107TA3514	123TA9528
10		123TA9513	123TA9523	107TA3514	123TA9528
12		123TA9514	123TA9524	107TA3514	123TA9528
12,7		123TA9515	123TA9525	107TA3514	123TA9528
13,25		123TA9516	123TA9526	107TA3514	123TA9528
14		123TA9517	123TA9527	107TA3514	123TA9528

Ø tube					
6		107TA3591	107TA3524	M6x30	107TA3503
6,35		107TA3592	107TA3525	107TA3514	107TA3503
7,93		107TA3593	107TA3526	107TA3514	107TA3503
8		107TA3594	107TA3527	107TA3514	107TA3503
9,52		107TA3595	107TA3528	107TA3514	107TA3503
10		107TA3596	107TA3529	107TA3514	107TA3503
12		107TA3597	107TA3530	107TA3514	107TA3503
12,7		107TA3598	107TA3531	107TA3514	107TA3503
13,25		107TA3599	107TA3532	107TA3514	107TA3503
13,25		107TA3600	107TA3533	M6x35	107TA3498
14		107TA3601	107TA3534	107TA3498	107TA3504
15		107TA3602	107TA3535	107TA3498	107TA3504
15,87		107TA3603	107TA3536	107TA3498	107TA3504
16		107TA3604	107TA3537	107TA3498	107TA3504
16,75		107TA3605	107TA3538	107TA3498	107TA3504
18		107TA3606	107TA3539	107TA3498	107TA3504
19,05		107TA3607	107TA3540	M6x40	107TA3505
20		107TA3608	107TA3541	107TA3515	107TA3505
21,25		107TA3609	107TA3542	107TA3515	107TA3505
22		107TA3610	107TA3543	107TA3515	107TA3505
23		107TA3611	107TA3544	107TA3515	107TA3505
25		107TA3612	107TA3545	107TA3515	107TA3505
25,4		107TA3613	107TA3546	107TA3515	107TA3505
26,75		107TA3614	107TA3547	M6x50	107TA3506
28		107TA3615	107TA3548	107TA3516	107TA3506
30		107TA3616	107TA3549	107TA3516	107TA3506
31,75		107TA3617	107TA3550	107TA3516	107TA3506
32		107TA3618	107TA3551	107TA3516	107TA3506
33,5		107TA3619	107TA3552	M6x60	107TA3507
35		107TA3620	107TA3553	107TA3517	107TA3507
38		107TA3621	107TA3554	107TA3517	107TA3507
40		107TA3622	107TA3555	107TA3517	107TA3507
42		107TA3623	107TA3556	107TA3517	107TA3507
45		107TA3624	107TA3557	107TA3517	107TA3507
44,5		107TA3625	107TA3558	M6x70	107TA3508
48,3		107TA3626	107TA3559	107TA3518	107TA3508
50		107TA3627	107TA3560	107TA3518	107TA3508
50,8		107TA3628	107TA3561	107TA3518	107TA3508

for all other pipe brackets,
please contact us.

STEEL PIPES



Type: Seamless cold drawn high-pressure pipe in conformity with DIN 2445/2.

Material: Steel ST. 35.4. Mat. no. 1.0309.

Finnish: Blank glown as per NBK-norm, internally and externally phosphated against corrosion and oiled, 100 % tested for pressure, stamped and plugged at the ends

Lengths: Sold per metre

 mm	 mm	Working pressure BAR	Proof pressure BAR	Burst pressure BAR	REF
4	0,5	266	404	953	107TA8616
6	1	377	558	1320	107TA8617
6	1,5	565	792	2145	107TA8618
8	1	282	430	953	107TA8619
8	1,5	424	619	1514	107TA8620
8	2	565	792	2145	107TA8621
10	1	239	370	746	107TA8622
10	1,5	359	538	1170	107TA8623
10	2	479	694	1634	107TA8624
12	1	199	308	612	107TA8625
12	1,5	299	455	953	107TA8626
12	2	399	591	1320	107TA8627
14	1,5	256	394	804	107TA8628
14	2	342	514	1107	107TA8629
15	1,5	239	370	746	107TA8630
15	2	319	483	1024	107TA8631
16	1,5	224	347	695	107TA8632
16	2	299	455	953	107TA8633
16	2,5	374	558	1225	107TA8634
16	3	449	656	1514	107TA8635
18	1,5	199	308	612	107TA8674
18	2	266	408	837	107TA8636
18	3	399	591	1320	107TA8637
20	1,5	179	277	547	107TA8638
20	2	239	370	746	107TA8639
20	2,5	299	455	953	107TA8640
20	3	359	538	1170	107TA8641
20	4	479	694	1634	107TA8642
22	1,5	163	252	495	107TA8643
22	2	217	336	673	107TA8644
22	2,5	272	417	858	107TA8645
22	3	326	493	1050	107TA8646
25	2	191	296	586	107TA8647
25	2,5	239	370	746	107TA8648
25	3	287	438	912	107TA8649
25	4	399	495	1259	107TA8650
28	1,5	128	198	384	107TA8651
28	2	171	264	520	107TA8652
28	3	256	394	804	107TA8653
30	2	159	246	483	107TA8654
30	2,5	199	308	612	107TA8655
30	3	239	370	746	107TA8656
30	4	333	504	1024	107TA8657
30	5	416	617	1320	107TA8658
35	2	142	220	411	107TA8659
35	2,5	178	275	520	107TA8660
35	3	214	331	631	107TA8661
38	2,5	164	254	476	107TA8662
38	3	197	305	578	107TA8663
38	4	263	405	789	107TA8664
38	5	328	498	1009	107TA8665
42	2	119	183	339	107TA8666
42	3	171	264	520	107TA8667
42	4	238	367	707	107TA8668
42	5	297	454	903	107TA8669
50	5	249	386	746	107TA8670
50	6	299	457	911	107TA8671
60	6	249	386	746	107TA8672
60	8	333	504	1024	107TA8673

TECHNICAL DETAIL: SHEAVES

EXAMPLE



Company:

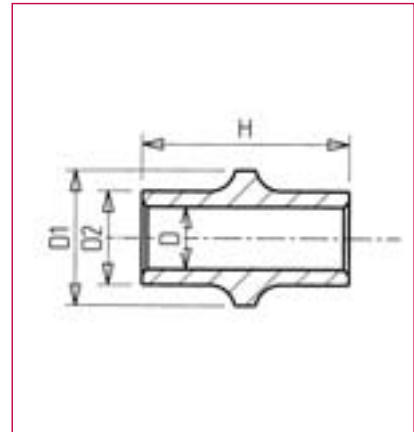
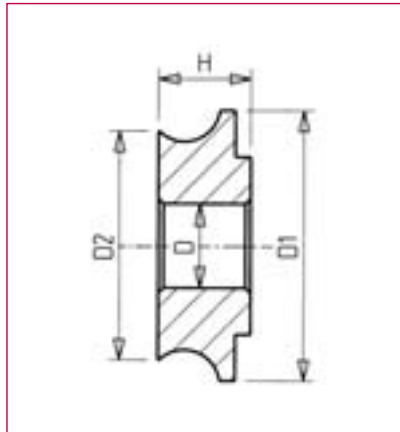
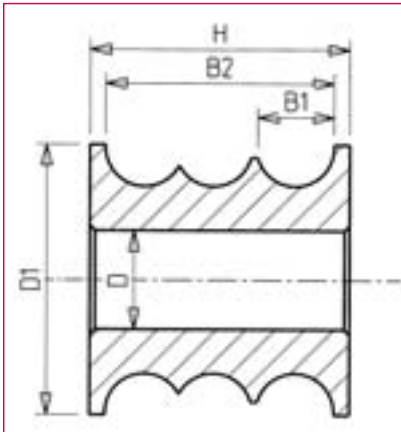
Customer code:

Name:

Fax number:

Truck make:

Truck type: Serial nr.:



- 1 TY : composite material: A = PVC, B = aluminium, C = metal, D= fibre
- 2 D : inner diameter (mm)
- 3 D1 : biggest outer diameter (mm)
- 4 D2 : smallest outer diameter (mm)
- 5 H : total height, as per picture (mm)
- 6 AT-GA : number of grooves
- 7 B1 : dimension of 1 groove (mm)
- 8 B2 : overall dimension of grooves, as per picture (mm)

SHEAVE



REF 107TA3660
d = 22 mm
D = 129 mm
H = 49 mm

SHEAVE



REF 104TA3436
d = 43 mm
D = 136 mm
H = 53,5 mm

SHEAVE



REF 107TA3659
d = 29,5 mm
D = 130 mm
H = 58 mm

SHEAVE



REF 104TA3459
d = 30 mm
D = 240 mm
H = 116 mm

SHEAVE



REF 104TA3374
d = 12,5 mm
D = 27,5 mm
H = 64 mm

SHEAVE



REF 104TA3411
d = 22 mm
D = 82 mm
H = 36 mm

SHEAVE



REF 104TA3386
d = 19 mm
D = 101 mm
H = 21,5 mm

SHEAVE



REF 104TA3373
d = 12 mm
D = 32 mm
H = 46 mm

SHEAVE



REF 104TA3376
d = 12 mm
D = 25,5 mm
H = 38 mm

SHEAVE



REF 104TA3372
d = 10,5 mm
D = 22 mm
H = 36 mm

SHEAVE



REF 104TA3375
d = 12 mm
D = 27 mm
H = 37 mm

SHEAVE



REF 104TA3377
d = 12 mm
D = 58 mm
H = 29,5 mm

d = inner diameter, D = outer diameter, H = height

DOUBLE SYNPLEX 5/16"



REF 107TA3664
aluminium
d = 20 mm
D = 130 mm
H = 44 mm

DOUBLE SYNPLEX 3/8"



REF 123TA8867
aluminium
d = 20 mm
D = 135 mm
H = 25 mm

DOUBLE SYNPLEX 5/16"



REF 107TA3663
plastic
d = 31 mm
D = 110 mm
H = 37 mm

SHEAVE



REF 107TA3665
d = 31 mm
D = 110 mm
H = 37 mm

SHEAVE



REF 107TA3662
d = 25 mm
D = 115 mm
H = 25 mm

SHEAVE



REF 104TA3407
d = 22 mm
D = 138 mm
H = 30 mm

SHEAVE



REF 107TA3661
d = 20 mm
D = 110 mm
H = 30 mm

SHEAVE



REF 104TA3393
d = 20 mm
D = 130 mm
H = 43 mm

SHEAVE



REF 104TA3387
d = 19 mm
D = 103 mm
H = 27,5 mm

SHEAVE



REF 104TA3381
d = 16,5 mm
D = 178 mm
H = 34 mm

d = inner diameter, D = outer diameter, H = height

TOTALSOURCE® REEL WITH TWIN HOSE

<i>REF reel</i> (no hoses)	<i>type</i>	<i>reel diameter</i>	<i>max. hose length</i>	<i>hose type</i>
* 123TA7170 ** 123TA7171	R.H. L.H.	270 mm	4000 mm	double synflex 1/4"
*/** Hose	REF 123TA7172 (connection 7/16" Jic)			
*/** Fitting	REF 126TA5178 (2 x required)			
*/** Mounting bracket	REF 123TA7173			
Kit compl.	* R.H. ** L.H.	REF 123TA7174 REF 123TA7175		
* Kit included for R.H. / ** Kit included for L.H. max lift. height: 6000 mm (duplex mast) - 5000 mm (triplex mast) max working pressure: 200 bar - fluid flow: 30 L/min				

Hose reel supplied with inlet fittings, thread 7/16" JIC

NEW IN PROGRAM

TOTALSOURCE® REEL WITH TWIN HOSE

REF reel (no hoses)	type	reel diameter	max. hose length	hose type
* 123TA7176 ** 123TA7177	R.H. L.H.	320 mm	4500 mm	double synflex 3/8"
*/** Hose	REF 123TA7178 (connection 9/16" Jic)			
*/** Fitting	REF 124TA3655 (2 x required)			
*/** Mounting bracket	REF 123TA7179			
Kit compl.	* R.H. ** L.H.	REF 123TA7180 REF 123TA7181		
* Kit included for R.H. / ** Kit included for L.H. max lift. height: 7000 mm (duplex mast) - 6000 mm (triplex mast) max working pressure: 160 bar - fluid flow: 30 L/min				

Hose reel supplied with inlet fittings, thread 9/16" JIC

NEW IN PROGRAM

TOTALSOURCE® REEL WITH TWIN HOSE

<i>REF reel</i> (no hoses)	<i>type</i>	<i>reel diameter</i>	<i>max. hose length</i>	<i>hose type</i>
* 123TA7182 ** 123TA7183	R.H. L.H.	420 mm	6700 mm	double synflex 3/8"
*/** Hose	REF 123TA7184 (connection 9/16" Jic)			
*/** Fitting	REF 124TA3655 (2 x required)			
*/** Mounting bracket	REF 123TA7179			
Kit compl.	* R.H. ** L.H.	REF 123TA7185 REF 123TA7186		
* Kit included for R.H. / ** Kit included for L.H. max lift. height: 11500 mm (duplex mast) - 9500 mm (triplex mast) max working pressure: 160 bar - fluid flow: 40 L/min				

Hose reel supplied with inlet fittings, thread 9/16" JIC

NEW IN PROGRAM

TOTALSOURCE® REEL WITH TWIN HOSE

<i>REF reel</i> (no hoses)	<i>type</i>	<i>reel diameter</i>	<i>max. hose length</i>	<i>hose type</i>
* 123TA7187 ** 123TA7188	R.H. L.H.	420 mm	4700 mm	double synflex 1/2"
*/** Hose	REF 123TA7189 (connection 3/4" Jic)			
*/** Fitting	REF 124TA3657 (2 x required)			
*/** Mounting bracket	REF 123TA7190			
Kit compl.	* R.H. ** L.H.	REF 123TA7191 REF 123TA7192		
* Kit included for R.H. / ** Kit included for L.H. max lift. height: 9000 mm (duplex mast) - 7500 mm (triplex mast) max working pressure: 175 bar - fluid flow: 40 L/min				

Hose reel supplied with inlet fittings, thread 3/4" JIC

TOTALSOURCE® REEL WITH 2 X TWIN HOSE

REF reel (no hoses)	type	reel diameter	max. hose length	hose type
* 123TA7193 ** 123TA7194	R.H. L.H.	370 mm	4500 mm	double synflex 3/8"
*/** Hose (2 needed)	REF 123TA7195 (connection 9/16" Jic)			
*/** Fitting	REF 124TA3655 (4 x required)			
*/** Mounting bracket	REF 123TA7196			
Kit compl.	* R.H. ** L.H.	REF 123TA7197 REF 123TA7198		
* Kit included for R.H. / ** Kit included for L.H. max lift. height: 9000 mm (duplex mast) - 7500 mm (triplex mast) max working pressure: 160 bar - fluid flow: 30 L/min				

Hose reel supplied with inlet fittings, thread 9/16" JIC

CASCADE

<i>REF reel</i>	<i>type</i>	<i>reel diameter</i>	<i>max. hose length</i>	<i>hose type</i>
* 107TA3678 (no hoses) ** 107TA3679 (no hoses)	R.H. L.H.	280 mm	3910 mm	double synflex 1/4"
*/** Fittings	REF 107TA3680 (required: 4 x)			
*/** Hose	REF 107TA3681 (connection 7/16" Jic)			
*/** Mounting bracket	REF 107TA3682			
Kit compl.	* R.H. ** L.H.			
* Kit included for R.H. / ** Kit included for L.H. Max lift. height: 6300 (duplex mast) - 4800 (triplex mast)				

CASCADE

<i>REF reel</i>	<i>type</i>	<i>reel diameter</i>	<i>max. hose length</i>	<i>hose type</i>
* 107TA3673 (no hoses) ** 107TA3674 (no hoses)	R.H. L.H.	330 mm	4570 mm	double synflex 3/8"
*/** Fittings	REF 107TA3668 (required: 4 x)			
*/** Hose	REF 107TA3675 (connection 9/16" Jic)			
*/** Mounting bracket	REF 107TA3670			
Kit compl.	* R.H. ** L.H.			
* Kit included for R.H. / ** Kit included for L.H. Max lift. height: 7100 (duplex mast) - 5500 (triplex mast)				

CASCADE

<i>REF reel</i>	<i>type</i>	<i>reel diameter</i>	<i>max. hose length</i>	<i>hose type</i>
* 107TA3666 (no hoses) ** 107TA3667 (no hoses)	R.H. L.H.	410 mm	7620 mm	double synflex 3/8"
*/** Fittings	REF 107TA3668 (required: 4 x)			
*/** Hose	REF 107TA3669 (connection 9/16" Jic)			
*/** Mounting bracket	REF 107TA3670			
Kit compl.	* R.H. ** L.H.			
* Kit included for R.H. / ** Kit included for L.H. Max lift. height: 13000 (duplex mast) - 98100 (triplex mast)				

CASCADE

<i>REF reel</i>	<i>type</i>	<i>reel diameter</i>	<i>max. hose length</i>	<i>hose type</i>
* 113TA1674 (no hoses) ** 113TA1675 (no hoses)	R.H. L.H.	410 mm	5790 mm	double synflex 1/2"
*/** Fittings	REF 113TA1676 (required: 4 x)			
*/** Hose	REF 113TA1677 (connection 3/4" Jic)			
*/** Mounting bracket	REF 107TA3734			
Kit compl.	* R.H. ** L.H.			
* Kit included for R.H. / ** Kit included for L.H. Max lift. height: 8900 (duplex mast) - 7400 (triplex mast)				

TECALEMIT

REF reel	type	reel diameter	max. hose length	hose type
** 107TA3696 (no hoses) **** 107TA3697 (no hoses)	R.H. L.H.	280 mm	3300 mm 3000 mm	double synflex 1/4" double synflex 5/16"
Fitting group */**/***/****	REF 107TA3688 (required: 2 x) REF 107TA3689 (required: 4 x)			
Hose */**	REF 107TA3698 (3,3 m hose 1/4") REF 107TA3699 (3,0 m hose 5/16")			
Swivel */**/***/****	REF 107TA3685			
Kit compl.	* R.H. (3,3 m hose 1/4") ** R.H. (3,0 m hose 5/16") *** L.H. (3,3 m hose 1/4") **** L.H. (3,0 m hose 5/16")	REF 107TA3700 REF 107TA8684 REF 107TA3701 REF 107TA3702		

* Kit included for R.H. / *** Kit included for L.H.
** Kit included for R.H. / **** Kit included for L.H.



REF 107TA3685
SWIVEL
Inlet adaptor pipe 10L
Outlet adaptor pipe 10S

TECALEMIT

REF reel	type	reel diameter	max. hose length	hose type
** 107TA3686 (no hoses) **** 107TA3687 (no hoses)	R.H. L.H.	340 mm	6000 mm 5000 mm	double synflex 1/4" double synflex 5/16"
Fitting group */**/***/**** */**/***/**** Hose */*** **/**** Swivel */**/***/****	REF 107TA3688 (required: 2 x) REF 107TA3689 (required: 4 x) REF 107TA3690 (6,0 m hose 1/4") REF 107TA3691 (5,0 m hose 5/16") REF 107TA3685			
Kit compl.	* R.H. (6,0 m hose 1/4") ** R.H. (5,0 m hose 5/16") *** L.H. (6,0 m hose 1/4") **** L.H. (5,0 m hose 5/16")	REF 107TA3692 REF 107TA3693 REF 107TA3694 REF 107TA3695		

* Kit included for R.H. / *** Kit included for L.H.

** Kit included for R.H. / **** Kit included for L.H.

TECALEMIT

REF reel	type	reel diameter	max. hose length	hose type
** 107TA3714 (no hoses) **** 107TA3715 (no hoses)	R.H. L.H.	390 mm	7000 mm 6000 mm	double synflex 1/4" double synflex 5/16"
Fitting group */**/***/**** */**/***/**** Hose */*** **/**** Swivel */**/***/****	REF 107TA3688 (required: 2 x) REF 107TA3689 (required: 4 x) REF 107TA3716 (7,0 m hose 1/4") REF 107TA3717 (6,0 m hose 5/16") REF 107TA3685			
Kit compl.	* R.H. (7,0 m hose 1/4") ** R.H. (6,0 m hose 5/16") *** L.H. (7,0 m hose 1/4") **** L.H. (6,0 m hose 5/16")	REF 107TA3718 REF 107TA3719 REF 107TA3720 REF 107TA3721		

* Kit included for R.H. / *** Kit included for L.H.

** Kit included for R.H. / **** Kit included for L.H.

TECREEL

<i>REF reel</i>	<i>type</i>	<i>reel diameter</i>	<i>max. hose length</i>	<i>hose type</i>
* 107TA3709 (no hoses)	R.H.	318 mm	3500 mm	double synflex 5/16"
** 107TA3710 (no hoses)	L.H.			
Fitting group */**	REF 107TA3705 (3/8" BSP) (required: 2 x)			
Hose */**	REF 107TA3711 (connection 9/16" Jic)			
Kit compl.	* R.H. ** L.H.	REF 107TA3712 REF 107TA3713		

* Kit included for R.H. / ** Kit included for L.H.

TECREEL

<i>REF reel</i>	<i>type</i>	<i>reel diameter</i>	<i>max. hose length</i>	<i>hose type</i>
* 107TA3703 (no hoses)	R.H.	380 mm	5600 mm	double synflex 5/16"
** 107TA3704 (no hoses)	L.H.			
Fitting group */**	REF 107TA3705 (3/8" BSP) (required: 2 x)			
Hose */**	REF 107TA8685 (connection 9/16" Jic)			
Kit compl.	* R.H. ** L.H.	REF 107TA3707 REF 107TA3708		

* Kit included for R.H. / ** Kit included for L.H.

THE CABLE WHEEL

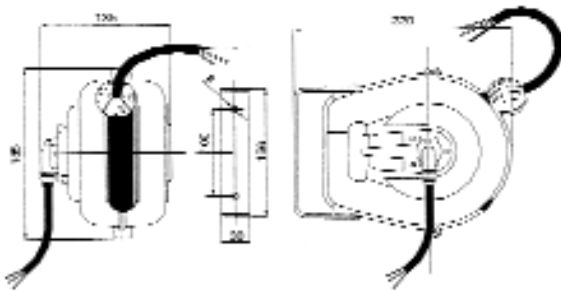


REF 113TA1681

Length of the cable: 5000 mm
Capacity: 26A, 3x 1,5mm²



HOSE REEL



REF 123TA5504

Automatic with hose lock system and swivel bracket and hose.
For air, water and paint

Hose: 8 x 12

Hose length: 15m

Max working pressure 30Bar

Supplied with mounting bracket and hose stopper



HOSE REELS

ELECTRICAL CABLE REEL



TYPE 1 • REF 123TA5505

Automatic with cable lock system

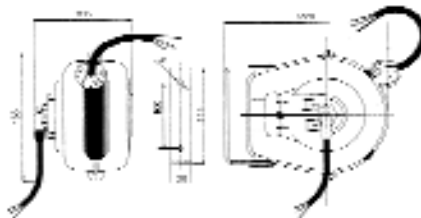
Swivel bracket

Cable: 3 x 1,5

Cable length: 5m

800W capacity

Supplied with mounting bracket
and hose stopper



TYPE 2 & 3

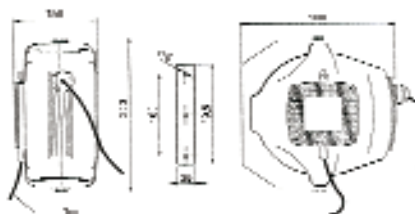
Automatic with cable lock system

Swivel bracket

Cable: 3 x 1,5

800W capacity

Supplied with mounting bracket
and hose stopper



REF 123TA5506 • Cable length: 10m

REF 123TA5507 • Cable length: 15m



RIGHT HAND ELECTRICAL CABLE REEL



REF 123TA5508 (without cable stopper)

Automatic with slip ring contact

Cable: 4 x 1,5 mm²

Cable length: 10m - Ø 9,3mm

Capacity: 400V, 30A on the slip rings

For vertical use

Supplied with mounting bracket
diameter: 295mm

width: 180mm

working condition: -30°C/+60°C



REF 123TA8417

Cable stopper

REF 123TA8418

Kit: reel & stopper



MOUNTING BRACKET



Type	REF
7/16 Jic	107TA3735
9/16 Jic	107TA3736
3/4 Jic	107TA3737

MOUNTING BRACKET

Used for Meyer



REF 107TA3738

MEYER



REF reel	type	reel diameter	max. hose length	hose type	end fittings
107TA3722 (with hoses)	R.H.	280 mm	3000 mm	double synflex 5/16	M14
107TA3723 (with hoses)	R.H.	280 mm	3000 mm	double synflex 5/16	9/16 Jic
107TA3724 (with hoses)	L.H.	280 mm	3000 mm	double synflex 5/16	M14
107TA3725 (with hoses)	L.H.	280 mm	3000 mm	double synflex 5/16	9/16 Jic
107TA3726 (with hoses)	R.H.	340 mm	5000 mm	double synflex 5/16	M14
107TA3727 (with hoses)	R.H.	340 mm	5000 mm	double synflex 5/16	9/16 Jic
107TA3728 (with hoses)	L.H.	340 mm	5000 mm	double synflex 5/16	M14
107TA3729 (with hoses)	L.H.	340 mm	5000 mm	double synflex 5/16	9/16 Jic
107TA3730 (with hoses)	R.H.	390 mm	6000 mm	double synflex 5/16	M14
107TA3731 (with hoses)	R.H.	390 mm	6000 mm	double synflex 5/16	9/16 Jic
107TA3732 (with hoses)	L.H.	390 mm	6000 mm	double synflex 5/16	M14
107TA3733 (with hoses)	L.H.	390 mm	6000 mm	double synflex 5/16	9/16 Jic

MOUNTING BRACKET

Used for Cascade

twin flexible	REF
1/4"	107TA3682
3/8"	107TA3670
1/2"	107TA3734



SPARE PARTS FOR HOSE REELS

CASCADE



<i>Hose reels used for CASCADE</i>	<i>seal kit</i>	<i>spring assembly</i>
Used for CASCADE: REF 672570	REF 107TA3764	REF 107TA3755
Used for CASCADE: REF 672571	REF 107TA3764	REF 107TA8683
Used for CASCADE: REF 672572	REF 107TA3764	REF 107TA3757
Used for CASCADE: REF 672573	REF 107TA3764	REF 107TA3758
Used for CASCADE: REF 672574	REF 107TA3764	REF 107TA3759
Used for CASCADE: REF 672575	REF 107TA3764	REF 107TA3760
Used for CASCADE: REF 672576	REF 107TA3764	REF 115TA2135
Used for CASCADE: REF 672577	REF 107TA3764	REF 115TA2136

TECALEMIT



<i>Hose reels used for TECALEMIT</i>	<i>seal kit</i>	<i>spring assembly</i>
Used for TECALEMIT: REF 13552014	REF 107TA3763	REF 107TA3754
Used for TECALEMIT: REF 13551014	REF 107TA3763	REF 107TA3754
Used for TECALEMIT: REF 13556014	REF 107TA3763	REF 107TA3754
Used for TECALEMIT: REF 13555014	REF 107TA3763	REF 107TA3754
Used for TECALEMIT: REF 13554014	REF 107TA3763	REF 107TA3754
Used for TECALEMIT: REF 13553014	REF 107TA3763	REF 107TA3754

TECREEL



<i>Hose reels used for TECREEL</i>	<i>seal kit</i>	<i>spring assembly</i>
Used for TECREEL: REF TR31800	REF 107TA3762	REF 107TA3753
Used for TECREEL: REF TL31800	REF 107TA3762	REF 107TA3753
Used for TECREEL: REF TR38000	REF 107TA3762	REF 107TA3753
Used for TECREEL: REF TL38000	REF 107TA3762	REF 107TA3753

MEYER



<i>Hose reels used for MEYER</i>	<i>seal kit</i>	<i>spring assembly</i>
Used for MEYER: REF 72101	REF 107TA3761	REF 107TA3751
Used for MEYER: REF 72102	REF 107TA3761	REF 107TA3752
Used for MEYER: REF 72103	REF 107TA3761	REF 107TA3752

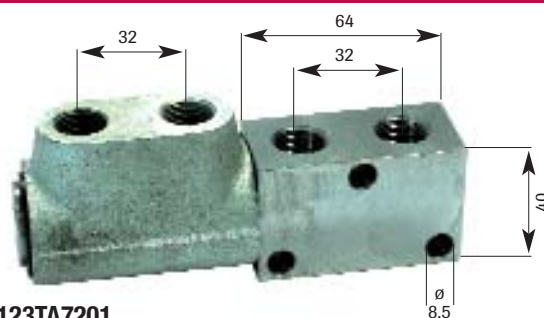
**SPECIAL
OFFER**

SWIVELS



	9/16" Jic	3/4" Jic
Complete kit	REF 107TA3747	REF 107TA3743
Swivel	REF 107TA3748	REF 107TA3744
Fitting	REF 107TA3749	REF 107TA3745
Bracket	REF 107TA3750	REF 107TA3746

SWIVELS



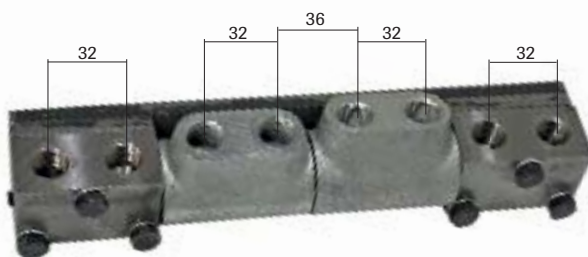
REF 123TA7201

bolt on swivel - length 136mm
inlet thread: 3/8" BSP
outlet thread: 3/8" BSP
3 mounting holes 8,5mm

**NEW IN
PROGRAM**

SWIVELS

REF 123TA7202 (without fittings)
bolt on swivel - length 264mm
inlet thread: 3/8" BSP
outlet thread: 3/8" BSP
6 mounting holes 8,5mm
rotating angle 180°



REF 123TA8866

with 8 fittings 9/16" JIC

with fittings:



JUNCTION BLOCKS FOR HOSE REELS

REF 107TA3741



Type: 1JC
Inside thread: 9/16 UNF
Connection of the hose:
1 hose left- and 1 hose right-hand

JUNCTION BLOCKS FOR HOSE REELS

REF 107TA3742



Type: R
Inside thread: 3/4 UNF
Connection of the hose:
2 hoses right-hand

JUNCTION BLOCKS FOR HOSE REELS

REF 107TA3739



Type: C
Inside thread: 3/4 UNF
Connection of the hose:
1 hose left- and 1 hose right-hand

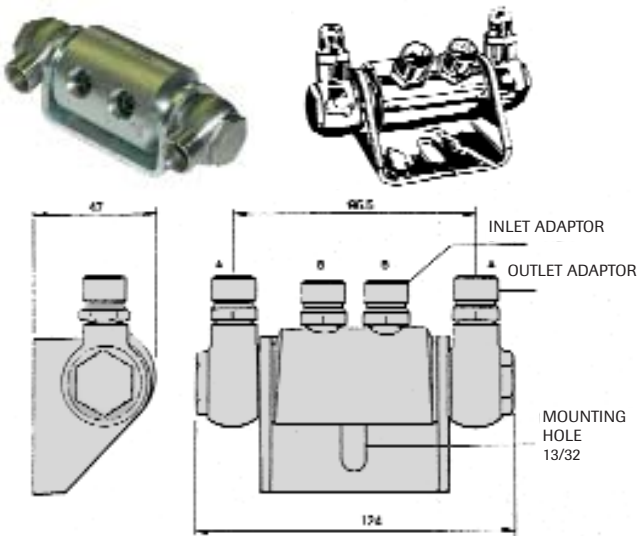
JUNCTION BLOCKS FOR HOSE REELS

REF 107TA3740



Type: L
Inside thread: 3/4 UNF
Connection of the hose:
2 hoses left-hand

SWIVEL JOINT FOR 2 HOSES

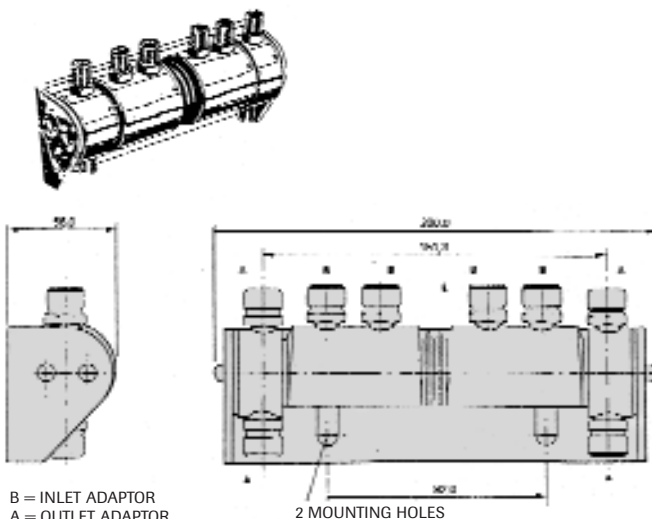


- Pressure range up to 300 Bar
- 180° rotatable
- Swivel joints are available with or without check valve

Specifications	pressure drop	
flow	19 Litres	38 Litres
REF 112TA4966 (with check valve)	2,8 Bar	8,5 Bar
REF 112TA4967 (without check valve)	2,0 Bar	6,8 Bar

OUTLET ADAPTOR	INLET ADAPTOR	REF WITH VALVE	REF WITHOUT CHECK VALVE
-	-	112TA4966	112TA4967
1/4" BSP	1/4" BSP	112TA4968	112TA4981
3/8" BSP	3/8" BSP	112TA4969	112TA4982
9/16" JIC	9/16" JIC	112TA4970	112TA4983
3/4" 16 UNF	3/4" 16 UNF	112TA4971	112TA4984
M 16x1,5 (24°)	M 16x1,5 (24°)	112TA4972	112TA4985
3/8" BSP	1/4" BSP	112TA4973	112TA4986
3/8" BSP	9/16" JIC	112TA4974	112TA4987
1/4" BSP	9/16" JIC	112TA4975	112TA4988
9/16" JIC	3/8" BSP	112TA4976	112TA4989
9/16" JIC	1/4" BSP	112TA4977	112TA4990
9/16" JIC	-	112TA4978	112TA4991
M 18x1,5	3/8" BSP	112TA4979	112TA4992
M 16x1,5 (60°)	M 16x1,5 (60°)	112TA4980	112TA4993

SWIVEL JOINT FOR 4 HOSES



- Pressure range up to 210 Bar
- 180° rotatable

Specifications	pressure drop	
Flow	19 Litres	38 Litres
REF 112TA4994	2,3 Bar	9,5 Bar

OUTLET ADAPTOR	INLET ADAPTOR	REF WITHOUT CHECK VALVE
-	-	112TA4994
3/8" BSP	3/8" BSP	112TA4995
1/4" BSP	1/4" BSP	112TA4999
9/16" JIC	9/16" JIC	129TA8815
1/4" BSP	9/16" JIC	112TA4997
3/4" - 16 UNF	9/16" JIC	129TA8816



PORTABLE SWAGING MACHINE

REF 115TA6867

- Capacity: 1/4"-1/2" (2 wire) R1AT & R2AT & SAE100R7
- Pressure requirements for optional air/hydraulic power pack: 7 bar (100 psi)
- Packed Dimensions in mm: 450 x 400 x 300
- Controls: Twin speed hand pump (10,000 psi)
- Weight without optional power pack: 25 Kg
- Universal claw included



PORTABLE SWAGING MACHINE

The hydraulic press develops 750 kN. And is able to treat hoses with a maximum diameter of 1". It is the simplest way to make hoses on site. The press is simple to use and very precise. Thanks to the safety system integrated in the design chance of accidental injury is minimised. A light indicates when the required diameter is obtained. Once the light is lit, further adjustment is impossible. Pressing the reset button allows further modification, if required.

REF 105TA4798 (with die-sets)

Code	Ø mm	L mm	REF
16-10	10.0-12.0	55	107TA3767
16-12	12.0-14.0	55	107TA3768
16-14	14.0-16.0	55	107TA3769
16-16	16.0-19.0	55	107TA3770
16-19	19.0-23.0	55	107TA3771
16-23	23.0-27.0	55	107TA3772
16-27	27.0-31.0	65	107TA3773
16-31	31.0-36.0	65	107TA3774

Technical specifications:

- diameter clamp: 1"
- max. Ø +20 mm
- manual hydr. pump 3,6 cm³ / movement
- pressure capacity: 720 kN
- dimensions:
 - length: 310 mm
 - width: 300 mm
 - height: 250 mm
- weight: 22 Kg.
- die-sets 16-14 → 16-31 included



PIPE BENDING TOOL

REF 124TA7495

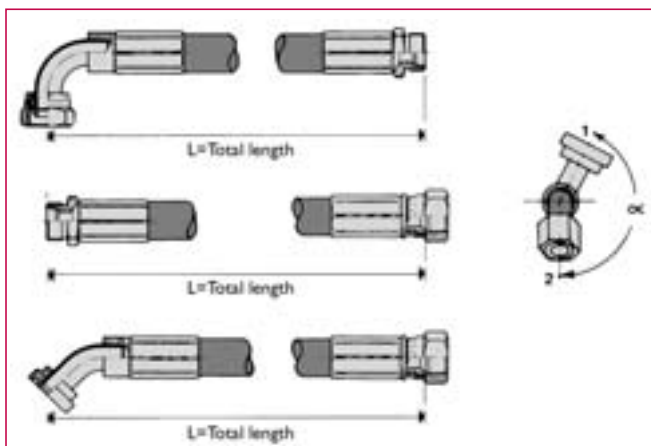
Available sizes:

Ø	Radius
12mm	6mm R
16mm	8mm R
20mm	10mm R
24mm	12mm R
30mm	15mm R

- Designed to bend hydraulic pipes to 180° for diameter 6mm up to 15mm
- Extra small bend radius R=2D
- Can be used in a bench-vice.
- Possible to bend to the right and to the left
- Easily replaceable bend mould, clamp block and bend arm
- Unique system ensuring qualitative bending with minimal efforts
- Available as a set or per diameter
- Other bend radiuses and diameters on request
- Optional: Stroke length of 500mm with 1 stroke
Loose strokes



TECHNICAL DETAIL: HYDRAULIC HOSES



Company:

Customer code:

Name:

Fax number:

Truck make:

Truck type: Serial nr.:

EXAMPLE

A) Type of hose

2 Din 20022 2SN (R2AT) 3/8 dia.

B) Left side: dia. m/fem straight 45° 90°
 3 Metric M20 x 1,5 female 90°

C) Right side: dia. m/fem straight 45° 90°
 4 JIC 3/4 male straight

D) Total length of hose: 3850 mm



A) Type of hose 1 Din 20022 1SN (R1AT) diameter
 2 Din 20022 2SN (R2AT) diameter
 3 SAE 100 R9A diameter
 4 SAE 100 R7 diameter
 5 SAE 100 R7 Twin diameter

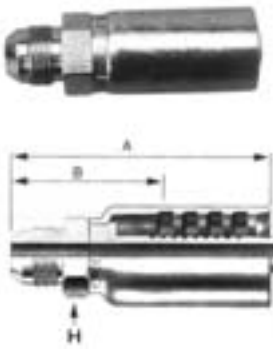
B) Left side: Type of fitting: dia. m/fem straight 45° 90°
 1 BSP
 2 NPT
 3 Metric
 4 Jic
 5 Banjo
 6 ORFS
 7 DKOL
 8 DKOS

C) Right side: Type of fitting: dia. m/fem straight 45° 90°
 1 BSP
 2 NPT
 3 Metric
 4 Jic
 5 Banjo
 6 ORFS
 7 DKOL
 8 DKOS

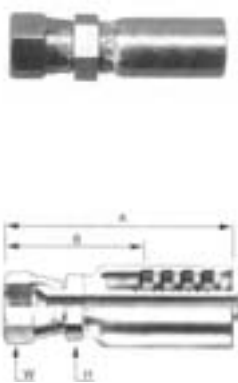
D) Total length of hose mm

Fittings for SAE100R7 Hoses

MALE STANDPIPES WITH FOLDS JIC 37° SERIES 55

	Diameter Int. Pipe IN	Diameter Int. Pipe	CONNECTION thread UNF	REF	A mm	B mm	H inch
	3/8	9.5	9/16-18	107TA3788	66	33	3/4
	3/8	9.5	3/4-16	107TA3789	68	35	13/16
	1/2	12.7	3/4-16	107TA3790	73	35	7/8

FEMALE STANDPIPES WITH FOLDS STRAIGHT REVOLVING PIECES JIC 37° SERIES 55

	Diameter Int. pipe IN	Diameter Int. pipe	CONNECTION thread UNF	A mm	B mm	E IN	H IN	W IN	REF
	1/8	3.2	7/16-20	40	26		1/2	5/8	107TA3775
	3/16	4.8	7/16-20	57	32		9/16	5/8	107TA3776
	3/16	4.8	1/2-20	57	32		9/16	3/4	107TA3777
	1/4	6.3	7/16-20	64	35		5/8	5/8	107TA3778
	1/4	6.3	1/2-20	64	35		5/8	3/4	107TA3779
	1/4	6.3	9/16-18	64	35		5/8	3/4	107TA3780
	5/16	7.9	1/2-20	64	35		5/8	3/4	107TA3781
	5/16	7.9	9/16-18	64	35		5/8	3/4	107TA3782
	3/8	9.5	9/16-18	71	38		3/4	3/4	107TA3783
	3/8	9.5	3/4-16	70	37		3/4	15/16	107TA3784
	1/2	12.7	3/4-16	79	41		7/8	15/16	107TA3785
	1/2	12.7	7/8-14	79	41		7/8	1.1/16	107TA3786
	1/2	12.7	1.1/16-13	82	44		1	1.1/4	107TA3787

FEMALE STANDPIPES WITH FOLDS 45° HOOKED REVOLVING PIECES 45° JIC 37° 55

	DIAM Int. Pipe IN	DIAM Int. Pipe	CONNECTION thread	A mm UNF	B mm	E IN	H IN	W IN	REF
	3/16	4.8	7/16-20	63	38	8	9/16	9/16	107TA3791
	1/4	6.3	7/16-20	63	38	8	5/8	9/16	107TA3792
	1/4	6.3	1/2-20	63	38	9	5/8	5/8	107TA3793
	5/16	7.9	9/16-18	69	40	10	5/8	3/4	107TA8686
	3/8	9.5	9/16-18	74	40	10	3/4	3/4	107TA3795
	3/8	9.5	3/4-16	81	47	14	3/4	7/8	107TA3796
	1/2	12.7	3/4-16	86	47	14	7/8	7/8	107TA3797
	1/2	12.7	7/8-14	87	49	16	7/8	1	107TA3798

FEMALE STANDPIPES WITH FOLDS 90° HOOKED LONG REVOLVING PIECES JIC 37° SERIES 55

	DIAM Int. Pipe IN	DIAM Int. Pipe	CONNECTION thread UNF	A mm	B mm	E IN	H IN	W IN	REF
	3/8	9.5	9/16-18	68	35	55	3/4	3/4	107TA3799
	3/8	9.5	3/4-16	77	44	62	3/4	7/8	107TA3800

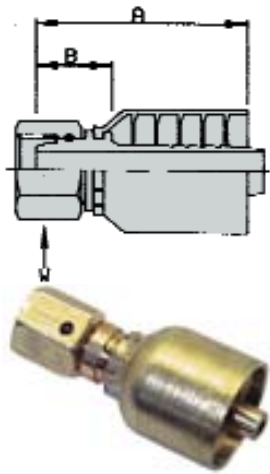
Fittings for SAE100R7 Hoses

FEMALE STANDPIPES WITH FOLDS 90° HOOKED SHORT REVOLVING PIECES JIC 37° SERIES

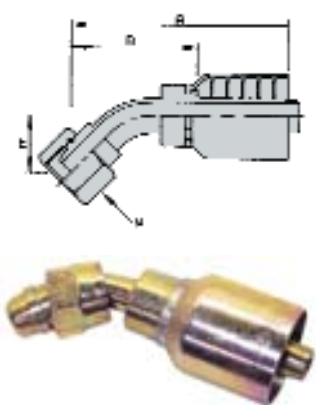
	DIAM Int. Pipe IN	DIAM Int. Pipe UNF	CONNECTION thread	A mm	B mm	E IN	H IN	W IN	REF
	5/16	7.9	9/16-18	67	38	22	5/8	3/4	107TA3805
	3/8	9.5	9/16-18	71	38	22	3/4	3/4	107TA3806
	3/8	9.5	3/4-16	75	41	28	3/4	7/8	107TA3807
	1/2	12.7	3/4-16	80	41	28	7/8	7/8	107TA3808

Fittings for DIN 2022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

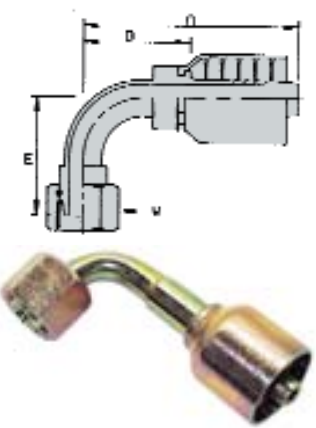
DIN

	Hose ID				End connection					
	DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	W mm
	6	1/4	-4	6.3	M12 x 1.5	6	107TA3814	42	20	14
	6	1/4	-4	6.3	M14 x 1.5	8	107TA3815	43	21	17
	8	5/16	-5	7.9	M16 x 1.5	10	107TA3816	46	22	19
	8	5/16	-5	7.9	M18 x 1.5	12	107TA3817	44	19	22
	10	3/8	-6	9.5	M16 x 1.5	10	107TA3818	53	24	19
	10	3/8	-6	9.5	M18 x 1.5	12	107TA3819	51	22	22
	12	1/2	-8	12.7	M22 x 1.5	15	107TA3820	59	24	27
	16	5/8	-10	15.9	M26 x 1.5	18	107TA3821	63	24	32
	20	3/4	-12	19.1	M26 x 1.5	18	107TA3822	63	24	32
	20	3/4	-12	19.1	M30 x 2	22	107TA3823	64	25	36
	25	1	-16	25.4	M36 x 2	28	107TA3824	75	30	46
	32	1.1/4	-20	31.8	M45 x 2	35	107TA3825	78	31	50

DIN 20078A LIGHT SERIES METRIC SWIVEL FEMALE 45° ELBOW (BALL NOSE)

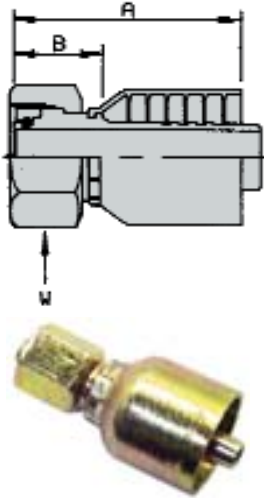
	Hose ID				End connection						
	DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	E mm	W mm
	6	1/4	-4	6.3	M14 x 1.5	8	107TA3813	65	43	18	17
	8	5/16	-5	7.9	M16 x 1.5	10	107TA3809	68	44	22	19
	10	3/8	-6	9.5	M16 x 1.5	10	107TA3810	73	44	22	19
	10	3/8	-6	9.5	M18 x 1.5	12	107TA3811	71	42	20	22
	12	1/2	-8	12.7	M22 x 1.5	15	107TA3812	89	54	24	27
	16	5/8	-10	15.9	M26 x 1.5	18	107TA8322	102	63	30	32
	20	3/4	-12	19.1	M26 x 1.5	18	107TA8323	102	63	30	32
	20	3/4	-12	19.1	M30 x 2	22	107TA8324	102	65	29	36
	25	1	-16	25.4	M36 x 2	28	107TA8325	121	76	34	46
	32	1.1/4	-20	31.8	M45 x 2	35	107TA8326	126	78	34	50

DIN 20078A LIGHT SERIES METRIC SWIVEL FEMALE 90° ELBOW (BALL NOSE)

	Hose ID				End connection						
	DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	E mm	W mm
	6	1/4	-4	6.3	M12 x 1.5	6	107TA8327	50	28	29	14
	6	1/4	-4	6.3	M14 x 1.5	8	107TA3804	52	27	50	17
	8	5/16	-5	7.9	M16 x 1.5	10	107TA3801	55	31	34	19
	10	3/8	-6	9.5	M16 x 1.5	10	107TA3802	60	31	34	19
	10	3/8	-6	9.5	M18 x 1.5	12	107TA3803	60	31	34	22
	12	1/2	-8	12.7	M22 x 1.5	15	107TA8328	75	40	45	27
	16	5/8	-10	15.9	M26 x 1.5	18	107TA8329	84	44	45	32
	20	3/4	-12	19.1	M26 x 1.5	18	107TA8330	84	44	45	32
20	3/4	-12	19.1	M30 x 2	22	107TA8331	91	51	54	36	
25	1	-16	25.4	M36 x 2	28	107TA8332	110	65	71	46	
32	1.1/4	-20	31.8	M45 x 2	35	107TA8333	120	71	74	50	

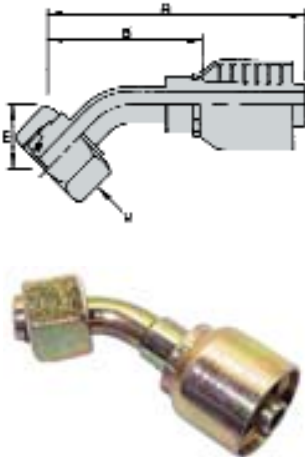
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

DIN 20078N LIGHT SERIES METRIC SWIVEL FEMALE (CONE NOSE WITH O-RING)



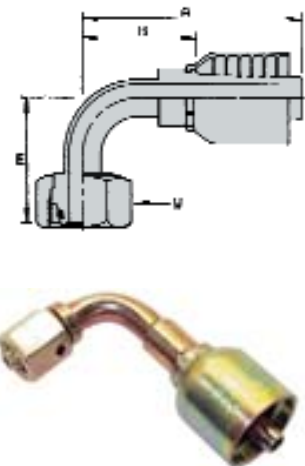
Hose ID				End connection					
DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	W mm
6	1/4	-4	6.3	M12 x 1.5	6	107TA3859	46	24	14
6	1/4	-4	6.3	M14 x 1.5	8	107TA3849	46	24	17
8	5/16	-5	7.9	M16 x 1.5	10	107TA3851	49	24	19
8	5/16	-5	7.9	M18 x 1.5	12	107TA3853	49	24	22
10	3/8	-6	9.5	M16 x 1.5	10	107TA3855	53	24	19
10	3/8	-6	9.5	M18 x 1.5	12	107TA3857	53	24	22
12	1/2	-8	12.7	M22 x 1.5	15	107TA8334	62	27	27
16	5/8	-10	15.9	M26 x 1.5	18	107TA8335	65	26	32
20	3/4	-12	19.1	M26 x 1.5	18	107TA8336	65	26	32
20	3/4	-12	19.1	M30 x 2	22	107TA8337	66	26	36
25	1	-16	25.4	M36 x 2	28	107TA8338	78	32	46
32	1.1/4	-20	31.8	M45 x 2	35	107TA8339	82	35	50

DIN 20078N LIGHT SERIES METRIC SWIVEL FEMALE 45° ELBOW (CONE NOSE WITH O-RING)



Hose ID				End connection						
DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	E mm	W mm
6	1/4	-4	6.3	M12 x 1.5	6	107TA3838	68	45	22	14
6	1/4	-4	6.3	M14 x 1.5	8	107TA3841	66	43	20	17
8	5/16	-5	7.9	M16 x 1.5	10	107TA3842	68	44	21	19
10	3/8	-6	9.5	M16 x 1.5	10	107TA3839	73	44	21	19
10	3/8	-6	9.5	M18 x 1.5	12	107TA3840	73	44	22	22
12	1/2	-8	12.7	M22 x 1.5	15	107TA3843	91	56	25	27
16	5/8	-10	15.9	M26 x 1.5	18	107TA3844	104	64	31	32
20	3/4	-12	19.1	M26 x 1.5	18	107TA3845	104	64	31	32
20	3/4	-12	19.1	M30 x 2	22	107TA3846	104	64	31	36
25	1	-16	25.4	M36 x 2	28	107TA3847	117	69	31	46
32	1.1/4	-20	31.8	M45 x 2	35	107TA3848	125	77	33	55

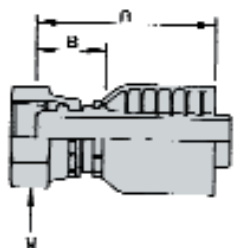
DIN 20078N LIGHT SERIES METRIC SWIVEL FEMALE 90° ELBOW (CONE NOSE WITH O-RING)



Hose ID				End connection						
DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	E mm	W mm
6	1/4	-4	6.3	M12 x 1.5	6	107TA3826	50	28	35	14
6	1/4	-4	6.3	M14 x 1.5	8	107TA3827	50	28	33	19
8	5/16	-5	7.9	M16 x 1.5	10	107TA3828	53	29	35	19
10	3/8	-6	9.5	M16 x 1.5	10	107TA3829	58	30	35	19
10	3/8	-6	9.5	M18 x 1.5	12	107TA3830	60	31	37	22
12	1/2	-8	12.7	M22 x 1.5	15	107TA3831	75	40	48	27
16	5/8	-10	15.9	M26 x 1.5	18	107TA3832	84	44	47	32
20	3/4	-12	19.1	M26 x 1.5	18	107TA3833	84	44	47	32
20	3/4	-12	19.1	M30 x 2	22	107TA3834	91	51	60	36
25	1	-16	25.4	M36 x 2	28	107TA3835	110	62	65	46
32	1.1/4	-20	31.8	M30 x 2	22	107TA3836	113	66	71	36
32	1.1/4	-20	31.8	M45 x 2	35	107TA3837	120	71	72	55

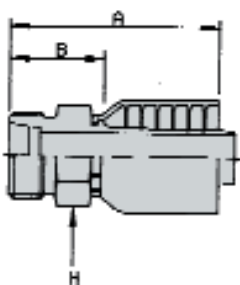
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

DIN 20078C VERY LIGHT SERIES METRIC SWIVEL FEMALE (BALL NOSE)



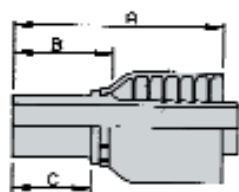
Hose ID				End connection					
DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	W mm
20	3/4	-12	19.1	M30 x 1.5	22	107TA3872	63	24	36
25	1	-16	25.4	M38 x 1.5	28	107TA3873	76	29	46
32	1.1/4	-20	31.8	M45 x 1.5	35	107TA3874	85	37	55

DIN 20078D LIGHT SERIES MALE STUD



Hose ID				End connection					
DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	H mm
6	1/4	-4	6.3	M12 x 1.5	6	107TA3861	42	20	14
6	1/4	-4	6.3	M14 x 1.5	8	107TA3862	42	20	14
8	5/16	-5	7.9	M16 x 1.5	10	107TA3863	50	21	19
10	3/8	-6	9.5	M16 x 1.5	10	107TA3864	50	21	19
10	3/8	-6	9.5	M18 x 1.5	12	107TA3865	50	21	19
12	1/2	-8	12.7	M22 x 1.5	15	107TA3866	58	24	22
16	5/8	-10	15.9	M26 x 1.5	18	107TA3867	68	29	27
20	3/4	-12	19.1	M26 x 1.5	18	107TA3868	68	29	27
20	3/4	-12	19.1	M30 x 2	22	107TA3869	69	31	30
25	1	-16	25.4	M36 x 2	28	107TA3870	79	33	36
32	1.1/4	-20	31.8	M45 x 2	35	107TA3871	85	37	46

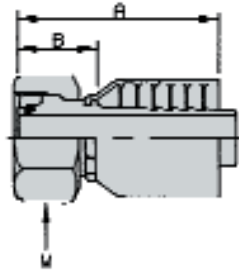
METRIC STANDPIPE LIGHT SERIES



Hose ID				End connection					
DN	Inch	Size	mm	Tube OD mm		REF	A mm	B mm	C mm
6	1/4	-4	6.3	6		107TA3850	50	28	22
6	1/4	-4	6.3	8		107TA3852	50	28	22
8	5/16	-5	7.9	10		107TA3854	60	29	23
10	3/8	-6	9.5	10		107TA3856	58	29	23
10	3/8	-6	9.5	12		107TA3858	60	29	23
12	1/2	-8	12.7	15		107TA3860	65	31	25
16	5/8	-10	15.9	18		107TA8340	76	33	26
20	3/4	-12	19.1	18		107TA8341	71	31	26
20	3/4	-12	19.1	22		107TA8342	73	32	28
25	1	-16	25.4	28		107TA8343	84	37	30
30	1.1/4	-20	31.8	35		107TA8344	94	47	36

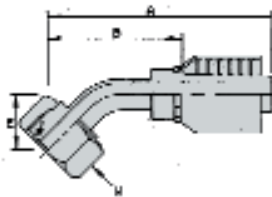
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

DIN 20078P HEAVY SERIES METRIC SWIVEL FEMALE (CONE NOSE WITH O-RING)



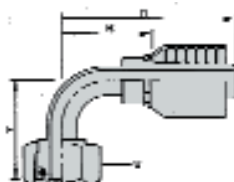
Hose ID				End connection					
DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	W mm
6	1/4	-4	6.3	M16 x 1.5	8	107TA3897	43	21	19
6	1/4	-4	6.3	M18 x 1.5	10	107TA3898	43	21	22
8	5/16	-5	7.9	M18 x 1.5	10	107TA3899	45	21	22
8	5/16	-5	7.9	M20 x 1.5	12	107TA3900	47	23	24
10	3/8	-6	9.5	M18 x 1.5	10	107TA3901	53	23	22
10	3/8	-6	9.5	M20 x 1.5	12	107TA3902	52	23	24
10	3/8	-6	9.5	M22 x 1.5	14	107TA3903	53	24	27
12	1/2	-8	12.7	M24 x 1.5	16	107TA3904	59	24	30
16	5/8	-10	15.9	M30 x 2	20	107TA3905	66	27	36
20	3/4	-12	19.1	M30 x 2	20	107TA3906	67	27	36
20	3/4	-12	19.1	M36 x 2	25	107TA3907	68	28	46
25	1	-16	25.4	M42 x 2	30	107TA3908	78	33	50
32	1.1/4	-20	31.8	M52 x 2	38	107TA3909	80	33	60

DIN 20078P HEAVY SERIES METRIC SWIVEL FEMALE 45° ELBOW (CONE NOSE WITH O-RING)



Hose ID				End connection						
DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	E mm	W mm
6	1/4	-4	6.3	M16 x 1.5	8	107TA3886	63	40	17	19
6	1/4	-4	6.3	M18 x 1.5	10	107TA3887	64	42	19	22
8	5/16	-5	7.9	M20 x 1.5	12	107TA3888	67	43	21	24
10	3/8	-6	9.5	M20 x 1.5	12	107TA3889	76	47	22	24
10	3/8	-6	9.5	M22 x 1.5	14	107TA3890	76	47	22	27
12	1/2	-8	12.7	M24 x 1.5	16	107TA3891	90	54	25	30
16	5/8	-10	15.9	M30 x 2	20	107TA3892	108	70	30	36
20	3/4	-12	19.1	M30 x 2	20	107TA3893	108	70	30	36
20	3/4	-12	19.1	M36 x 2	25	107TA3894	102	62	30	46
25	1	-16	25.4	M42 x 2	30	107TA3895	120	74	32	50
32	1.1/4	-20	31.8	M52 x 2	38	107TA3896	126	78	33	60

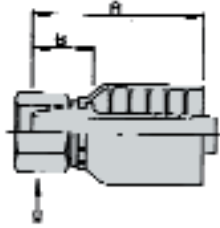
DIN 20078P HEAVY SERIES METRIC SWIVEL FEMALE 90° ELBOW (CONE NOSE WITH O-RING)



Hose ID				End connection						
DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	E mm	W mm
6	1/4	-4	6.3	M16 x 1.5	8	107TA3875	49	28	28	19
6	1/4	-4	6.3	M18 x 1.5	10	107TA3876	51	29	32	22
8	5/16	-5	7.9	M20 x 1.5	12	107TA3877	55	31	36	24
10	3/8	-6	9.5	M20 x 1.5	12	107TA3878	61	31	38	24
10	3/8	-6	9.5	M22 x 1.5	14	107TA3879	61	31	38	27
12	1/2	-8	12.7	M24 x 1.5	16	107TA3880	75	40	45	30
16	5/8	-10	15.9	M30 x 2	20	107TA3881	88	49	56	36
20	3/4	-12	19.1	M30 x 2	20	107TA3882	88	49	56	36
20	3/4	-12	19.1	M36 x 2	25	107TA3883	91	51	57	46
25	1	-16	25.4	M42 x 2	30	107TA3884	120	65	68	50
32	1.1/4	-20	31.8	M52 x 2	38	107TA3885	120	72	73	60

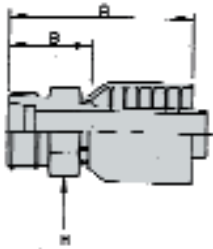
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

HEAVY SERIES METRIC SWIVEL FEMALE (BALL NOSE)



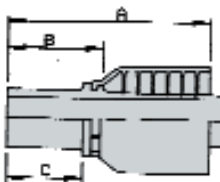
Hose ID				End connection					
DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	W mm
6	1/4	-4	6.3	M16 x 1.5	8	107TA3930	39	17	19
6	1/4	-4	6.3	M18 x 1.5	10	107TA3931	41	19	22
8	5/16	-5	7.9	M20 x 1.5	12	107TA3932	46	21	24
10	3/8	-6	9.5	M20 x 1.5	12	107TA3933	50	21	24
10	3/8	-6	9.5	M22 x 1.5	14	107TA3934	50	21	27
12	1/2	-8	12.7	M24 x 1.5	16	107TA3935	56	22	30
16	5/8	-10	15.9	M30 x 2	20	107TA3936	62	23	36
20	3/4	-12	19.1	M30 x 2	20	107TA3937	63	23	36
20	3/4	-12	19.1	M36 x 2	25	107TA3938	63	24	46
25	1	-16	25.4	M42 x 2	30	107TA3939	75	29	50

DIN 20078E HEAVY SERIES METRIC MALE STUD



Hose ID				End connection					
DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	H mm
6	1/4	-4	6.3	M16 x 1.5	8	107TA3919	44	22	17
6	1/4	-4	6.3	M18 x 1.5	10	107TA3920	44	22	19
8	5/16	-5	7.9	M20 x 1.5	12	107TA3921	56	25	22
10	3/8	-6	9.5	M20 x 1.5	12	107TA3922	53	24	22
10	3/8	-6	9.5	M22 x 1.5	14	107TA3923	55	25	22
12	1/2	-8	12.7	M24 x 1.5	16	107TA3924	60	26	24
16	5/8	-10	15.9	M30 x 2	20	107TA3925	75	32	30
20	3/4	-12	19.1	M30 x 2	20	107TA3926	72	30	30
20	3/4	-12	19.1	M36 x 2	25	107TA3927	73	33	36
25	1	-16	25.4	M42 x 2	30	107TA3928	86	39	46
32	1.1/4	-20	31.8	M52 x 2	38	107TA3929	91	44	55

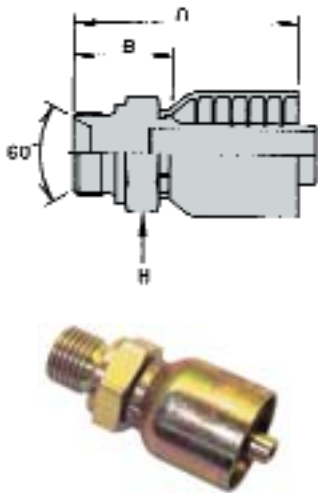
HEAVY SERIES METRIC STANDPIPE



Hose ID				End connection					
DN	Inch	Size	mm	tube OD mm		REF	A mm	B mm	C mm
6	1/4	-4	6.3	10		107TA3910	54	32	26
8	5/16	-5	7.9	12		107TA3911	64	33	26
10	3/8	-6	9.5	14		107TA3912	64	35	29
12	1/2	-8	12.7	16		107TA3913	68	36	30
16	5/8	-10	15.9	20		107TA3914	36	43	36
20	3/4	-12	19.1	20		107TA3915	81	40	36
20	3/4	-12	19.1	25		107TA3916	85	44	40
25	1	-16	25.4	30		107TA3917	97	51	44
32	1.1/4	-20	31.8	38		107TA3918	108	60	50

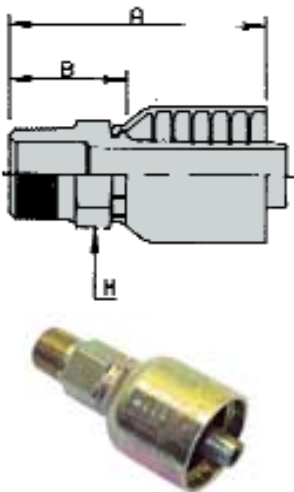
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

BSP MALE STUD (FORM B)



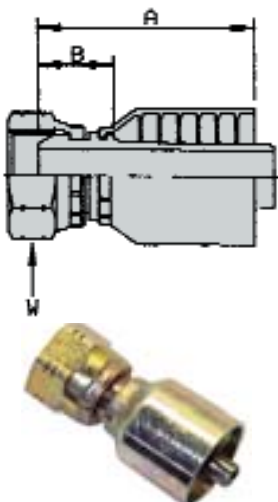
Hose I.D.				End connection				
DN	Inch	Size	mm	BSP thread	REF	A mm	B mm	H mm
6	1/4	-4	6.3	1/4 - 19	107TA3960	45	23	19
8	5/16	-5	7.9	3/8 - 19	107TA3961	54	25	22
10	3/8	-6	9.5	3/8 - 19	107TA3962	54	25	22
10	3/8	-6	9.5	1/2 - 14	107TA3963	60	31	27
12	1/2	-8	12.7	3/8 - 19	107TA3964	63	29	22
12	1/2	-8	12.7	1/2 - 14	107TA3965	62	28	27
12	1/2	-8	12.7	3/4 - 14	107TA3966	70	35	32
16	5/8	-10	15.9	5/8 - 14	107TA3967	75	36	30
16	5/8	-10	15.9	3/4 - 14	107TA3968	75	36	32
20	3/4	-12	19.1	3/4 - 14	107TA3969	70	30	32
25	1	-16	25.4	1 - 11	107TA3970	82	35	41

BSP TAPER MALE



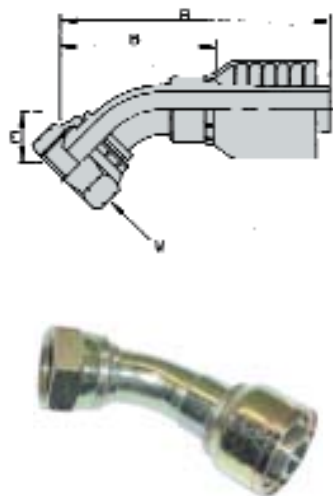
Hose I.D.				End connection				
DN	Inch	Size	mm	BSP thread	REF	A mm	B mm	H mm
6	1/4	-4	6.3	1/4 - 19	107TA3952	47	25	14
8	5/16	-5	7.9	1/4 - 19	107TA3953	54	23	14
8	5/16	-5	7.9	3/8 - 19	107TA3954	48	24	17
10	3/8	-6	9.5	1/4 - 19	107TA3955	55	24	14
10	3/8	-6	9.5	3/8 - 19	107TA3956	54	25	19
12	1/2	-8	12.7	1/2 - 14	107TA3957	66	31	22
20	3/4	-12	19.1	3/4 - 14	107TA3958	75	35	27
25	1	-16	25.4	1 - 11	107TA3959	88	43	36

BSP SWIVEL FEMALE



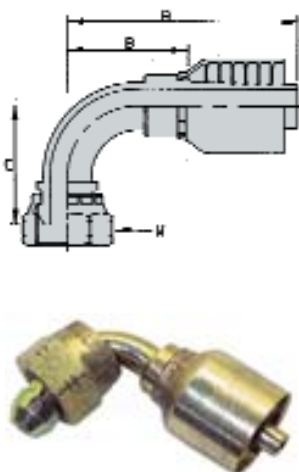
Hose I.D.				End connection				
DN	Inch	Size	mm	BSP thread	REF	A mm	B mm	W mm
6	1/4	-4	6.3	1/4 - 19	107TA8364	42	20	19
6	1/4	-4	6.3	3/8 - 19	107TA3940	42	20	19
8	5/16	-5	7.9	3/8 - 19	107TA3941	51	20	22
10	3/8	-6	9.5	3/8 - 19	107TA3942	49	20	22
10	3/8	-6	9.5	1/2 - 14	107TA3943	51	22	27
12	1/2	-8	12.7	3/8 - 19	107TA3944	55	20	22
12	1/2	-8	12.7	1/2 - 14	107TA3945	58	24	27
12	1/2	-8	12.7	5/8 - 14	107TA3946	55	20	30
16	5/8	-10	15.9	5/8 - 14	107TA3947	60	21	30
16	5/8	-10	15.9	3/4 - 14	107TA3948	67	24	32
20	3/4	-12	19.1	3/4 - 14	107TA3949	64	24	32
25	1	-16	25.4	1 - 11	107TA3950	76	27	41
32	1.1/4	-20	31.8	1 1/4 - 11	107TA3951	79	31	50

BSP SWIVEL FEMALE 45° ELBOW



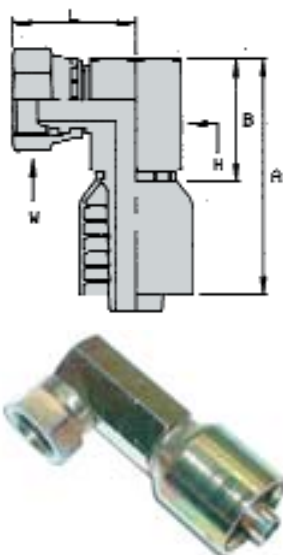
Hose I.D.				End connection					
DN	Inch	Size	mm	BSP thread	REF	A mm	B mm	E mm	W mm
6	1/4	-4	6.3	1/4 - 19	107TA3986	62	39	16	19
10	3/8	-6	9.5	3/8 - 19	107TA3985	71	41	17	22
10	3/8	-6	9.5	1/2 - 14	107TA3987	73	44	20	27
12	1/2	-8	12.7	1/2 - 14	107TA3988	85	50	20	27
12	1/2	-8	12.7	5/8 - 14	107TA3989	87	52	27	30
16	5/8	-10	15.9	5/8 - 14	107TA3990	92	53	22	30
16	5/8	-10	15.9	3/4 - 14	107TA3991	104	64	29	32
20	3/4	-12	19.1	3/4 - 14	107TA3992	102	62	29	32
25	1	-16	25.4	1 - 11	107TA3993	115	70	29	41

BSP SWIVEL FEMALE 90° ELBOW



Hose I.D.				End connection					
DN	Inch	Size	mm	BSP thread	REF	A mm	B mm	E mm	W mm
6	1/4	-4	6.3	1/4 - 19	107TA3975	52	29	28	19
10	3/8	-6	9.5	3/8 - 19	107TA3976	61	31	31	22
10	3/8	-6	9.5	1/2 - 14	107TA3977	63	33	39	27
12	1/2	-8	12.7	1/2 - 14	107TA3978	75	40	40	27
12	1/2	-8	12.7	5/8 - 14	107TA3979	75	40	40	30
16	5/8	-10	15.9	5/8 - 14	107TA3980	80	41	40	30
16	5/8	-10	15.9	3/4 - 14	107TA3981	92	52	59	32
20	3/4	-12	19.1	3/4 - 14	107TA3982	91	51	59	32
25	1	-16	25.4	1 - 11	107TA3983	110	65	63	41
32	1.1/4	-20	31.8	1.1/4 - 11	107TA3984	119	72	73	50

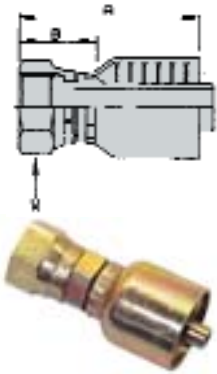
BSP SWIVEL FEMALE 90° COMPACT ELBOW



Hose I.D.				End connection						
DN	Inch	Size	mm	BSP thread	REF	A mm	B mm	E mm	H mm	W mm
6	1/4	-4	6.3	1/4 - 19	107TA3971	61	34	29	17	19
10	3/8	-6	9.5	3/8 - 19	107TA3972	70	36	26	19	22
12	1/2	-8	12.7	1/2 - 14	107TA3973	81	40	26	22	27
20	3/4	-12	19.1	3/4 - 14	107TA3974	75	25	33	32	32

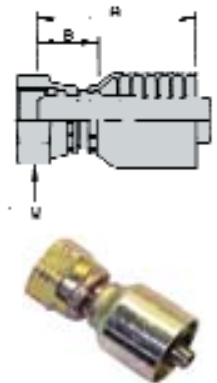
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

BSP SWIVEL FEMALE FLAT FACE



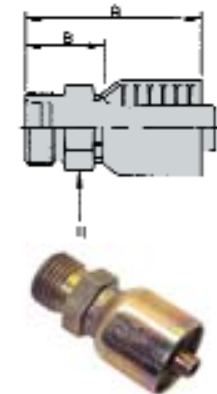
Hose I.D.				End connection					
DN	Inch	Size	mm	BSP thread		REF	A mm	B mm	W mm
10	3/8	-6	9.5	3/8 - 19		107TA8345	49	20	22
10	3/8	-6	9.5	1/2 - 14		107TA4012	51	22	27
12	1/2	-8	12.7	1/2 - 14		107TA4013	58	24	27
12	1/2	-8	12.7	3/4 - 14		107TA4014	58	24	32
20	3/4	-12	19.1	3/4 - 14		107TA4015	58	24	32

FRENCH GAS SWIVEL FEMALE



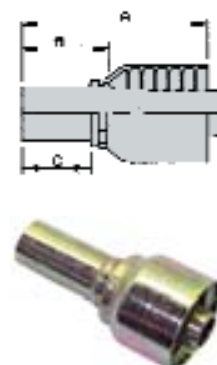
Hose I.D.				End connection					
DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	W mm
8	5/16	-5	7.9	M20 x 1.5	13.25	107TA3994	53	23	24
10	3/8	-6	9.5	M20 x 1.5	13.25	107TA3995	53	23	24
12	1/2	-8	12.7	M24 x 1.5	16.75	107TA3996	59	25	30
16	5/8	-10	15.9	M30 x 1.5	21.25	107TA3997	68	25	36
20	3/4	-12	19.1	M36 x 1.5	26.75	107TA3998	69	31	46
25	1	-16	25.4	M45 x 1.5	33.50	107TA3999	76	29	55

FRENCH GAS MALE STUD



Hose I.D.				End connection					
DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	H mm
8	5/16	-5	7.9	M20 x 1.5	13.25	107TA4006	54	24	22
10	3/8	-6	9.5	M20 x 1.5	13.25	107TA4007	46	24	22
12	1/2	-8	12.7	M24 x 1.5	16.75	107TA4008	60	24	24
16	5/8	-10	15.9	M30 x 1.5	21.25	107TA4009	73	30	30
20	3/4	-12	19.1	M36 x 1.5	26.75	107TA4010	69	29	36
25	1	-16	25.4	M45 x 1.5	33.50	107TA4011	82	36	46

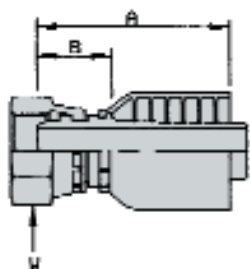
FRENCH GAS STANDPIPE



Hose I.D.				End connection					
DN	Inch	Size	mm	Tube OD mm		REF	A mm	B mm	C mm
8	5/16	-5	7.9	13.25		107TA4000	64	33	25
10	3/8	-6	9.5	13.25		107TA4001	64	33	25
12	1/2	-8	12.7	16.75		107TA4002	68	36	26
16	5/8	-10	15.9	21.25		107TA4003	86	43	28
20	3/4	-12	19.1	26.75		107TA4004	85	44	29
25	1	-16	25.4	33.50		107TA4005	97	51	29

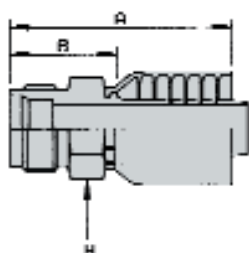
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

FRENCH METRIC SWIVEL FEMALE (BALL NOSE)



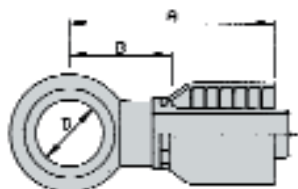
Hose I.D.				End connection					
DN	Inch	Size	mm	Metric thread	Tube OD mm	REF	A mm	B mm	W mm
6	1/4	-4	6.3	M16 x 1.5	10	107TA4024	44	24	19
10	3/8	-6	9.5	M20 x 1.5	14	107TA4025	50	21	24
16	5/8	-10	15.9	M27 x 1.5	18	107TA4026	63	24	36
16	5/8	-10	15.9	M27 x 1.5	20	107TA4027	63	24	36
20	3/4	-12	19.1	M30 x 1.5	22	107TA4028	63	24	36
25	1	-16	25.4	M39 x 1.5	30	107TA4029	77	30	50

METRIC MALE FOR AGRICULTURE VALVES



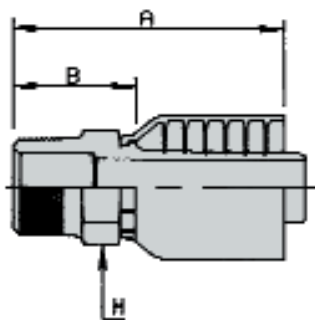
Hose I.D.				End connection					
DN	Inch	Size	mm	Metric thread		REF	A mm	B mm	H mm
8	5/16	-5	7.9	M18 x 1.5		107TA4022	56	33	19
10	3/8	-6	9.5	M18 x 1.5		107TA4023	56	33	19

BANJO UNION (DIN 76425)



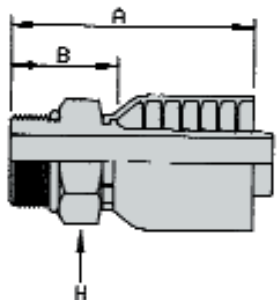
Hose I.D.				End connection				
DN	Inch	Size	mm	D mm		REF	A mm	B mm
6	1/4	-4	6.3	12		107TA8347	47	25
8	5/16	-5	7.9	14		107TA4016	51	27
10	3/8	-6	9.5	16		107TA4017	58	29
12	1/2	-8	12.7	18		107TA4018	66	31
16	5/8	-10	15.9	22		107TA4019	74	35
20	3/4	-12	19.1	26		107TA4020	78	39
25	1	-16	25.4	30		107TA4021	92	47

NPTF MALE



Hose I.D.				End connection				
DN	Inch	Size	mm	NPTF thread	REF	A mm	B mm	H inch
6	1/4	-4	6.3	1/8 - 27	107TA4030	41	22	9/16
6	1/4	-4	6.3	1/4 - 18	107TA4031	47	28	9/16
6	1/4	-4	6.3	3/8 - 18	107TA4032	47	28	11/16
6	1/4	-4	6.3	1/2 - 14	107TA4033	54	35	7/8
8	5/16	-5	7.9	1/4 - 18	107TA4034	56	25	17
10	3/8	-6	9.5	1/4 - 18	107TA4035	54	27	19
10	3/8	-6	9.5	3/8 - 18	107TA4036	54	27	19
10	3/8	-6	9.5	1/2 - 14	107TA4037	61	34	7/8
12	1/2	-8	12.7	3/8 - 18	107TA4038	59	27	7/8
12	1/2	-8	12.7	1/2 - 14	107TA4039	66	33	7/8
12	1/2	-8	12.7	3/4 - 14	107TA4040	68	35	1.1/16
16	5/8	-10	15.9	3/8 - 18	107TA4041	67	29	15/16
16	5/8	-10	15.9	1/2 - 14	107TA4042	71	34	15/16
16	5/8	-10	15.9	3/4 - 14	107TA4043	73	36	27
20	3/4	-12	19.1	1/2 - 14	107TA4044	73	36	27
20	3/4	-12	19.1	3/4 - 14	107TA4045	73	36	27
20	3/4	-12	19.1	1 - 11.1/2	107TA4046	78	42	35
25	1	-16	25.4	3/4 - 14	107TA4047	81	36	35
25	1	-16	25.4	1 - 11.1/2	107TA4048	86	42	35
32	1.1/4	-20	31.8	1.1/4 - 11.1/2	107TA4049	92	45	1.7/8

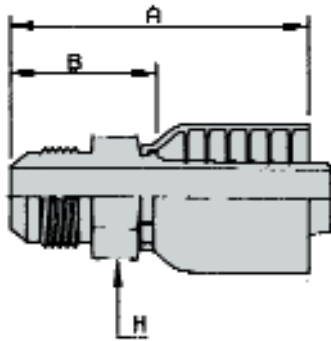
SAE MALE (WITH O-RING)



Hose I.D.				End connection				
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	H inch
6	1/4	-4	6.3	1/8 - 27	107TA4050	42	23	9/16
6	1/4	-4	6.3	1/2 - 20	107TA4051	42	23	5/8
6	1/4	-4	6.3	9/16 - 18	107TA4052	42	24	11/16
10	3/8	-6	9.5	9/16 - 18	107TA4053	53	26	11/16
10	3/8	-6	9.5	3/4 - 16	107TA4054	54	26	7/8
12	1/2	-8	12.7	3/4 - 16	107TA4055	59	26	7/8
12	1/2	-8	12.7	7/8 - 14	107TA4056	59	27	1
12	1/2	-8	12.7	1.1/16 - 12	107TA4057	66	33	1.1/4
16	5/8	-10	15.9	1.1/16 - 12	107TA4058	71	34	1.1/4
20	3/4	-12	19.1	1.1/16 - 12	107TA4059	71	35	1.1/4
25	1	-16	25.4	1.5/16 - 12	107TA4060	79	34	1.1/2
32	1.1/4	-20	31.8	1.5/8 - 12	107TA4061	82	35	1.7/8

Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

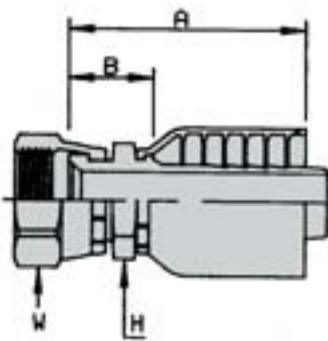
JIC 37° MALE



Hose I.D.				End connection					
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	H inch	
6	1/4	-4	6.3	7/16 - 20	107TA4092	46	28	9/16	
6	1/4	-4	6.3	1/2 - 20	107TA4093	46	28	5/8	
6	1/4	-4	6.3	9/16 - 18	107TA4094	46	28	11/16	
10	3/8	-6	9.5	1/2 - 20	107TA4086	55	28	3/4	
10	3/8	-6	9.5	9/16 - 18	107TA8687	55	28	3/4	
10	3/8	-6	9.5	3/4 - 16	107TA8688	58	31	7/8	
12	1/2	-8	12.7	3/4 - 16	107TA4089	64	31	7/8	
12	1/2	-8	12.7	7/8 - 14	107TA4090	66	34	15/16	
12	1/2	-8	12.7	1.1/16 - 12	107TA8348	70	37	1.1/8	
16	5/8	-10	15.9	7/8 - 14	107TA8349	71	34	15/16	
16	5/8	-10	15.9	1.1/16 - 12	107TA8350	78	41	1.1/8	
20	3/4	-12	19.1	1.1/16 - 12	107TA8351	80	42	1.1/8	
20	3/4	-12	19.1	1.3/16 - 12	107TA8352	79	42	1.1/4	
20	3/4	-12	19.1	1.5/16 - 12	107TA8353	77	41	1.3/8	
25	1	-16	25.4	1.5/16 - 12	107TA8354	85	40	1.3/8	
32	1.1/4	-20	31.8	1.5/8 - 12	107TA8355	91	44	1.7/8	
32	1.1/4	-20	31.8	1.7/8 - 12	107TA8356	94	472		

HYDRAULIC CRIMP FITTINGS

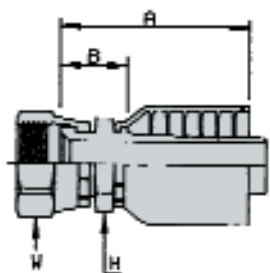
JIC 37° SWIVEL FEMALE



Hose I.D.				End connection					
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	H inch	W inch
6	1/4	-4	6.3	7/16 - 20	107TA4062	49	30	9/16	9/16
6	1/4	-4	6.3	1/2 - 20	107TA4063	51	32	9/16	5/8
6	1/4	-4	6.3	9/16 - 18	107TA4064	51	33	9/16	11/16
8	5/16	-5	7.9	9/16 - 18	107TA4065	50	21	17	19
10	3/8	-6	9.5	7/16 - 20	107TA4066	56	29	11/16	9/16
10	3/8	-6	9.5	1/2 - 20	107TA4067	61	30	11/16	5/8
10	3/8	-6	9.5	9/16 - 18	107TA4068	58	31	11/16	11/16
10	3/8	-6	9.5	3/4 - 16	107TA4069	61	34	11/16	7/8
10	3/8	-6	9.5	7/8 - 14	107TA4070	64	37	7/8	1
12	1/2	-8	12.7	3/4 - 16	107TA4071	67	34	13/16	7/8
12	1/2	-8	12.7	7/8 - 14	107TA4072	69	36	7/8	1
12	1/2	-8	12.7	1.1/16 - 12	107TA4073	71	38	1.1/16	1.1/4
16	5/8	-10	15.9	3/4 - 16	107TA4074	72	34	15/16	7/8
16	5/8	-10	15.9	7/8 - 14	107TA4075	74	37	15/16	1
16	5/8	-10	15.9	1.1/16 - 12	107TA4076	76	38	27	32
20	3/4	-12	19.1	3/4 - 16	107TA4077	72	35	1.1/16	7/8
20	3/4	-12	19.1	7/8 - 14	107TA4078	74	38	1.1/16	1
20	3/4	-12	19.1	1.1/16 - 12	107TA4079	76	39	27	32
20	3/4	-12	19.1	1.3/16 - 12	107TA4080	77	40	1.1/4	1.3/8
20	3/4	-12	19.1	1.5/16 - 12	107TA4081	84	47	1.1/4	1.1/2
25	1	-16	25.4	1.1/16 - 12	107TA4082	84	39	1.3/8	1.1/4
25	1	-16	25.4	1.5/16 - 12	107TA4083	92	47	1.3/8	1.1/2
25	1	-16	25.4	1.5/8 - 12	107TA4084	98	53	1.7/8	2
32	1.1/4	-20	31.8	1.5/8 - 12	107TA4085	101	54	1.7/8	2
32	1.1/4	-20	31.8	1.7/8 - 12	107TA4091	93	31	55	55

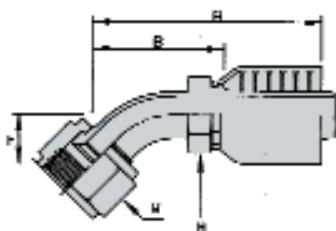
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

JIC 37° SWIVEL FEMALE (STAINLESS STEEL)



Hose I.D.				End connection					
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	H inch	W inch
6	1/4	-4	6.3	7/16 - 20	107TA4107	49	30	9/16	9/16
10	3/8	-6	9.5	9/16 - 18	107TA4108	58	31	11/16	11/16
12	1/2	-8	12.7	3/4 - 16	107TA4109	67	34	13/16	7/8
16	5/8	-10	15.9	7/8 - 14	107TA4110	74	37	1.1/16	1
20	3/4	-12	19.1	1.1/16 - 12	107TA4111	76	39	1.1/16	1.1/4
25	1	-16	25.4	1.5/16 - 12	107TA4112	92	47	1.3/8	1.1/2
32	1.1/4	-20	31.8	1.5/8 - 12	107TA4113	101	54	1.7/8	2

JIC 37° SWIVEL FEMALE 45° ELBOW

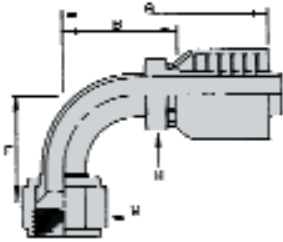


Hose I.D.				End connection						
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	E mm	H inch	W inch
6	1/4	-4	6.3	7/16 - 20	107TA4095	50	31	8	9/16	9/16
6	1/4	-4	6.3	1/2 - 20	107TA4096	61	34	11	17	19
6	1/4	-4	6.3	9/16 - 18	107TA4097	58	39	10	9/16	11/16
8	5/16	-5	7.9	9/16 - 18	107TA4098	63	38	12	19	19
10	3/8	-6	9.5	9/16 - 18	107TA4099	61	34	10	11/16	11/16
10	3/8	-6	9.5	3/4 - 16	107TA4100	70	43	14	11/16	7/8
12	1/2	-8	12.7	3/4 - 16	107TA4101	73	40	14	13/16	7/8
12	1/2	-8	12.7	7/8 - 14	107TA4102	77	44	16	13/16	1
16	5/8	-10	15.9	7/8 - 14	107TA4103	83	45	16	15/16	1
16	5/8	-10	15.9	1.1/16 - 12	107TA4104	81	54	20	1	1.1/4
20	3/4	-12	19.1	1.1/16 - 12	107TA4105	91	55	20	1.1/16	1.1/4
25	1	-16	25.4	1.5/16 - 12	107TA4106	104	59	23	1.3/8	1.1/2

Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

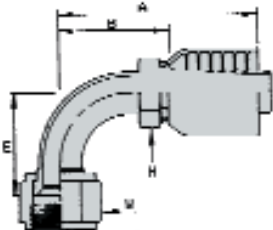
JIC 37° SWIVEL FEMALE 90° ELBOW (SHORT)

HYDRAULIC CRIMP FITTINGS



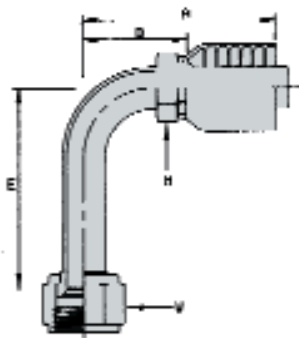
Hose I.D.				End connection						
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	E mm	H inch	W inch
6	1/4	-4	6.3	7/16 - 20	107TA4131	47	28	17	9/16	9/16
6	1/4	-4	6.3	1/2 - 20	107TA4132	56	37	20	9/16	3/8
6	1/4	-4	6.3	9/16 - 18	107TA4133	58	36	22	9/16	11/16
8	5/16	-5	7.9	9/16 - 18	107TA4134	63	32	20	19	19
10	3/8	-6	9.5	7/16 - 20	107TA4135	55	28	17	11/16	9/16
10	3/8	-6	9.5	9/16 - 18	107TA4136	58	31	22	11/16	11/16
10	3/8	-6	9.5	3/4 - 16	107TA4137	64	37	28	11/16	11/16
12	1/2	-8	12.7	9/16 - 18	107TA4138	64	31	22	13/16	11/16
12	1/2	-8	12.7	3/4 - 16	107TA4139	67	34	28	13/16	7/8
12	1/2	-8	12.7	7/8 - 14	107TA4140	67	41	31	13/16	1
12	1/2	-8	12.7	1.1/16 - 12	107TA4141	89	51	46	13/16	1-1/4
16	5/8	-10	15.9	7/8 - 14	107TA4142	79	42	31	15/16	1
16	5/8	-10	15.9	1.1/16 - 12	107TA4143	89	52	46	1	1.1/4
20	3/4	-12	19.1	1.1/16 - 12	107TA4144	89	53	46	1.1/16	1.1/4
25	1	-16	25.4	1.5/16 - 12	107TA4145	103	58	53	1.3/8	1.1/2
32	1.1/4	-20	31.8	1.5/8 - 12	107TA4146	112	66	66	1.3/4	2

JIC 37° SWIVEL FEMALE 90° ELBOW (MEDIUM)



Hose I.D.				End connection						
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	E mm	H inch	W inch
6	1/4	-4	6.3	7/16 - 20	107TA4124	47	31	22	9/16	9/16
10	3/8	-6	9.5	9/16 - 18	107TA4125	58	31	28	11/16	11/16
10	3/8	-6	9.5	3/4 - 16	107TA4126	64	37	35	11/16	7/8
12	1/2	-8	12.7	3/4 - 16	107TA4127	75	34	35	13/16	7/8
12	1/2	-8	12.7	7/8 - 14	107TA4128	83	50	44	13/16	1
20	3/4	-12	19.1	1.1/16 - 12	107TA4129	96	59	52	1.1/6	1.1/4
25	1	-16	25.4	1.5/16 - 12	107TA4130	113	68	64	1.3/8	1.1/4

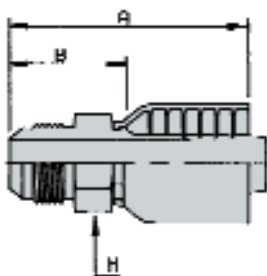
JIC 37° SWIVEL FEMALE 90° ELBOW (LONG)



Hose I.D.				End connection						
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	E mm	H inch	W inch
6	1/4	-4	6.3	7/16 - 20	107TA4114	50	31	46	9/16	9/16
6	1/4	-4	6.3	1/2 - 20	107TA4115	50	31	55	9/16	11/16
10	3/8	-6	9.5	9/16 - 18	107TA4116	55	31	55	11/16	11/16
10	3/8	-6	9.5	3/4 - 16	107TA4117	69	39	62	11/16	7/8
12	1/2	-8	12.7	3/4 - 16	107TA4118	69	36	62	13/16	7/8
12	1/2	-8	12.7	7/8 - 14	107TA4119	72	43	65	13/16	1
16	5/8	-10	15.9	7/8 - 14	107TA4120	86	43	65	15/16	1
20	3/4	-12	19.1	1.1/16 - 12	107TA4121	86	50	95	1.1/16	1.1/4
20	3/4	-12	19.1	1.3/16 - 12	107TA4122	100	48	100	1.3/8	1.1/2
25	1	-16	25.4	1.5/16 - 12	107TA4123	100	55	110	1.3/8	1.1/2

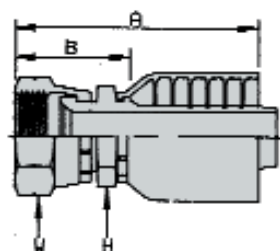
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

SAE 45° MALE



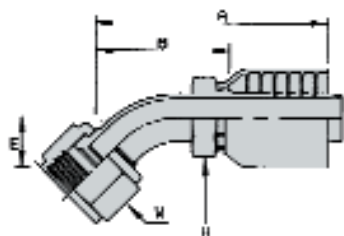
Hose I.D.				End connection				
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	H inch
10	3/8	-6	9.5	5/8 - 18	107TA4151	57	29	3/4

SAE 45° SWIVEL FEMALE



Hose I.D.				End connection					
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	H inch	W inch
6	1/4	-4	6.3	5/8 - 18	107TA4148	51	32	3/4	3/4
10	3/8	-6	9.5	5/8 - 18	107TA4149	59	34	3/4	3/4
20	3/4	-12	19.1	1.1/16 - 14	107TA4150	74	39	1.1/16	1.1/4

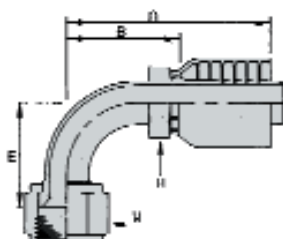
SAE 45° SWIVEL FEMALE 45° ELBOW



Hose I.D.				End connection						
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	E mm	H inch	W inch
10	3/8	-6	9.5	7/16 - 20	107TA4147	52	23	8	11/16	9/16

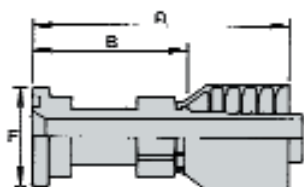
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

SAE 45° SWIVEL FEMALE 90° ELBOW



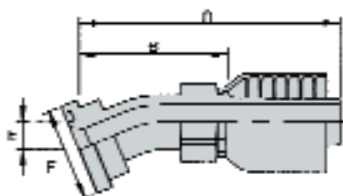
Hose I.D.				End connection						
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	E mm	H inch	W inch
10	3/8	-6	9.5	5/8 - 18	107TA4167	55	28	22	11/16	3/4

SAE FLANGE - STANDARD SERIES



Hose I.D.				End connection					
DN	Inch	Size	mm	Inch	REF	A mm	B mm	F mm	
12	1/2	-8	12.7	1/2	107TA4158	87	53	30.2	
12	1/2	-8	12.7	3/4	107TA4159	87	54	38.1	
20	3/4	-12	19.1	3/4	107TA4160	90	54	38.1	
20	3/4	-12	19.1	1	107TA4161	90	54	44.5	
25	1	-16	25.4	1	107TA4162	99	57	44.5	
25	1	-16	25.4	1.1/4	107TA4163	103	57	50.8	
32	1.1/4	-20	31.8	1.1/4	107TA4164	118	75	50.8	
32	1.1/4	-20	31.8	1.1/2	107TA4165	106	60	60.3	
32	1.1/4	-20	31.8	2	107TA4166	120	77	71.4	

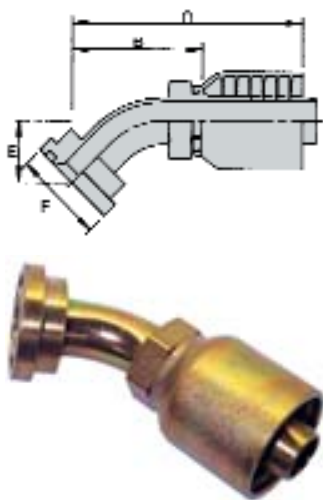
SAE FLANGE 22 1/2° ELBOW - STANDARD SERIES



Hose I.D.				End connection					
DN	Inch	Size	mm	Inch	REF	A mm	B mm	E mm	F mm
20	3/4	-12	19.1	3/4	107TA4152	100	63	11	38.1
20	3/4	-12	19.1	1	107TA4153	99	63	11	44.5
25	1	-16	25.4	1	107TA4154	108	64	11	44.5
25	1	-16	25.4	1.1/4	107TA4155	108	64	12	50.8
32	1.1/4	-20	31.8	1.1/4	107TA4156	119	72	13	50.8
32	1.1/4	-20	31.8	1.1/2	107TA4157	119	72	14	60.3

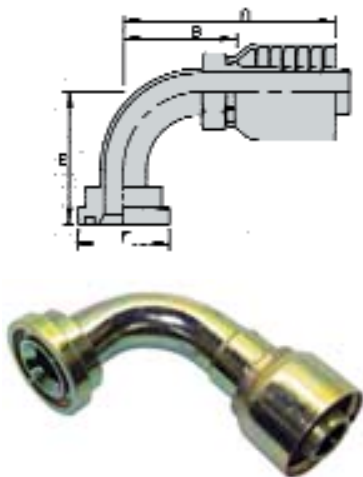
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

SAE FLANGE 45° ELBOW - STANDARD SERIES



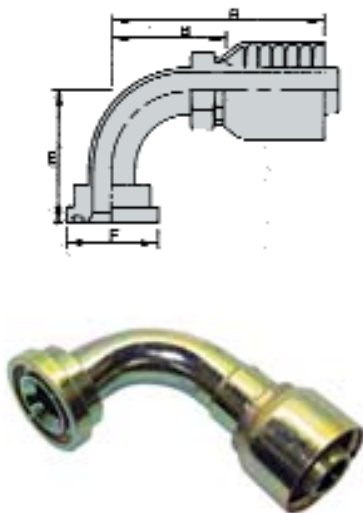
Hose I.D.				End connection					
DN	Inch	Size	mm	Inch	REF	A mm	B mm	E mm	F mm
12	1/2	-8	12.7	3/4	107TA4177	85	52	21	38.1
20	3/4	-12	19.1	3/4	107TA4178	93	56	25	38.1
25	1	-16	25.4	1	107TA4179	105	60	27	44.5
25	1	-16	25.4	1.1/4	107TA4180	105	60	28	50.8
32	1.1/4	-20	31.8	1.1/4	107TA4181	114	71	29	50.8

SAE FLANGE 90° ELBOW - STANDARD SERIES



Hose I.D.				End connection					
DN	Inch	Size	mm	Inch	REF	A mm	B mm	E mm	F mm
12	1/2	-8	12.7	1/2	107TA4169	66	34	41	30.2
12	1/2	-8	12.7	3/4	107TA4170	68	35	43	38.1
20	3/4	-12	19.1	3/4	107TA4171	85	49	54	38.1
20	3/4	-12	19.1	1	107TA4172	85	49	54	44.5
25	1	-16	25.4	1	107TA4173	100	55	61	44.5
25	1	-16	25.4	1.1/4	107TA4174	100	55	61	50.8
32	1.1/4	-20	31.8	1.1/4	107TA4175	113	66	67	50.8
32	1.1/4	-20	31.8	1.1/2	107TA4176	122	75	68	60.3

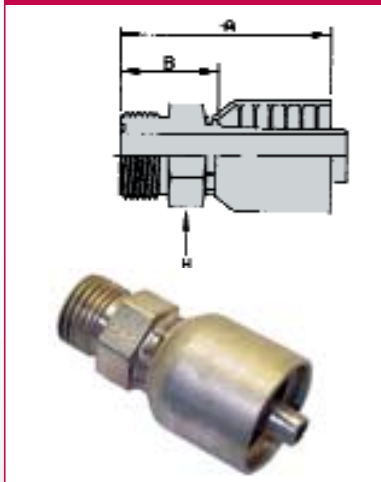
SAE FLANGE 90° ELBOW (LONG) - STANDARD SERIES



Hose I.D.				End connection					
DN	Inch	Size	mm	inch	REF	A mm	B mm	E mm	F mm
32	1.1/4	-20	31.8	1.1/4	107TA4168	122	75	144	50.8

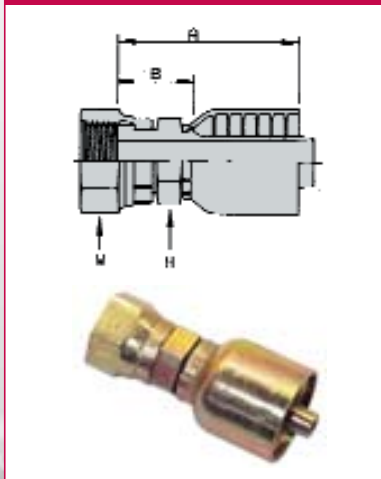
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

ORFS MALE



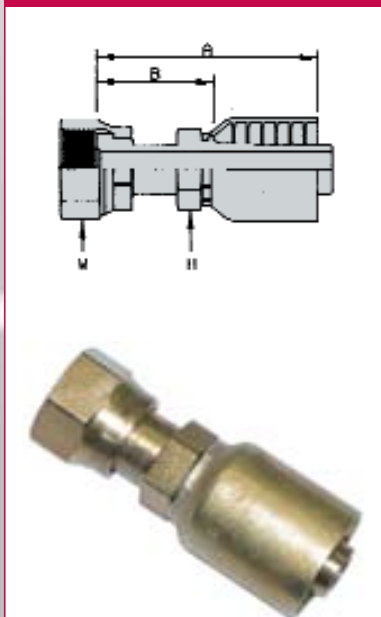
Hose I.D.				End connection				
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	H inch
6	1/4	-4	6.3	9/16 - 18	107TA4207	44	25	5/8
10	3/8	-6	9.5	11/16 - 16	107TA4208	53	27	3/4
12	1/2	-8	12.7	13/16 - 16	107TA4209	61	29	7/8
20	3/4	-12	19.1	1.3/16 - 12	107TA4210	74	37	1.1/4
25	1	-16	25.4	1.7/16 - 12	107TA4211	83	37	1.1/2

ORFS SWIVEL FEMALE (SHORT)



Hose I.D.				End connection					
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	H inch	W inch
6	1/4	-4	6.3	9/16 - 18	107TA4201	41	23	9/16	11/16
10	3/8	-6	9.5	11/16 - 16	107TA4202	49	23	11/16	13/16
12	1/2	-8	12.7	13/16 - 16	107TA4203	56	24	13/16	15/16
16	5/8	-10	15.9	1 - 14	107TA4204	64	27	15/16	1.1/8
20	3/4	-12	19.1	1.3/16 - 12	107TA4205	68	28	1.1/8	1.3/8
25	1	-16	25.4	1.7/16 - 12	107TA4206	80	39	1.3/8	1.5/8

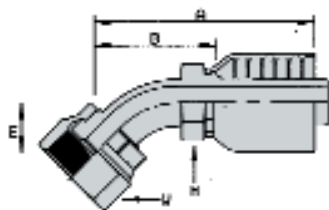
ORFS SWIVEL FEMALE (LONG)



Hose I.D.				End connection					
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	H inch	W inch
6	1/4	-4	6.3	9/16 - 18	107TA4182	51	32	9/16	11/16
6	1/4	-4	6.3	11/16 - 16	107TA4183	54	32	9/16	13/16
6	1/4	-4	6.3	13/16 - 16	107TA4184	58	39	11/16	15/16
10	3/8	-6	9.5	11/16 - 16	107TA4185	58	32	11/16	13/16
10	3/8	-6	9.5	13/16 - 16	107TA4186	65	38	11/16	15/16
10	3/8	-6	9.5	1 - 14	107TA4187	68	41	11/16	1.1/8
12	1/2	-8	12.7	11/16 - 16	107TA4188	64	32	13/16	13/16
12	1/2	-8	12.7	13/16 - 16	107TA4189	68	35	13/16	15/16
12	1/2	-8	12.7	1 - 14	107TA4190	74	41	13/16	1.1/8
12	1/2	-8	12.7	1.3/16 - 12	107TA4191	81	49	15/16	1.3/8
16	5/8	-10	15.9	13/16 - 16	107TA4192	72	35	15/16	15/16
16	5/8	-10	15.9	1.1/4	107TA4193	79	42	15/16	1.1/8
16	5/8	-10	15.9	1.3/16 - 12	107TA4194	84	47	1	1.3/8
20	3/4	-12	19.1	1 - 14	107TA4195	80	42	1.1/16	1.1/8
20	3/4	-12	19.1	1.3/16 - 12	107TA4196	85	47	1.1/16	1.3/8
20	3/4	-12	19.1	1.7/16 - 12	107TA4197	87	49	1.1/4	1.5/8
25	1	-16	25.4	1.7/16 - 12	107TA4198	93	51	1.3/8	1.5/8
25	1	-16	25.4	1.11/16 - 12	107TA4199	93	52	1.3/8	1.5/8
32	1.1/4	-20	31.8	1.11/16 - 12	107TA4200	99	54	1.3/4	1.7/8

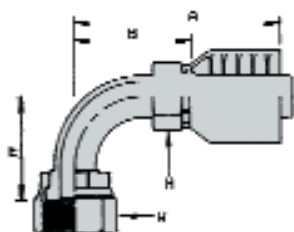
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

ORFS SWIVEL FEMALE 45° ELBOW



Hose I.D.				End connection						
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	E mm	H inch	W inch
6	1/4	-4	6.3	9/16 - 18	107TA4229	57	38	10	9/16	11/16
6	1/4	-4	6.3	11/16 - 16	107TA4230	59	40	11	9/16	13/16
10	3/8	-6	9.5	11/16 - 16	107TA4231	62	36	11	11/16	13/16
10	3/8	-6	9.5	13/16 - 16	107TA4232	71	45	15	11/16	15/16
12	1/2	-8	12.7	13/16 - 16	107TA4233	74	42	15	13/16	15/16
12	1/2	-8	12.7	1 - 14	107TA4234	81	48	17	13/16	1.1/8
12	1/2	-8	12.7	1.3/16 - 12	107TA4235	90	59	21	15/16	1.3/8
16	5/8	-10	15.9	1 - 14	107TA4236	85	49	17	15/16	1.1/8
16	5/8	-10	15.9	1.3/16 - 12	107TA4237	87	51	21	1	1.3/8
20	3/4	-12	19.1	1.3/16 - 12	107TA4238	88	52	21	1.1/16	1.3/8
25	1	-16	25.4	1.7/16 - 12	107TA4239	112	71	24	1.3/8	1.5/8
32	1.1/4	-20	31.8	1.11/16 - 12	107TA4240	119	78	25	1.3/4	1.7/8

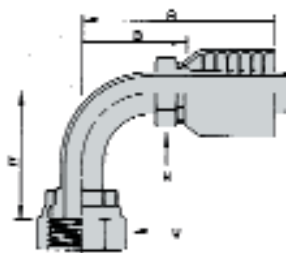
ORFS SWIVEL FEMALE 90° ELBOW (SHORT)



Hose I.D.				End connection						
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	E mm	H inch	W inch
6	1/4	-4	6.3	9/16 - 18	107TA4212	56	32	21	9/16	11/16
6	1/4	-4	6.3	11/16 - 16	107TA4213	55	36	23	9/16	11/16
6	1/4	-4	6.3	13/16 - 16	107TA4214	58	39	29	11/16	15/16
10	3/8	-6	9.5	9/16 - 18	107TA4215	59	33	21	11/16	11/16
10	3/8	-6	9.5	11/16 - 16	107TA4216	58	32	23	11/16	13/16
10	3/8	-6	9.5	13/16 - 16	107TA4217	64	38	29	11/16	15/16
12	1/2	-8	12.7	11/16 - 16	107TA4218	64	32	23	13/16	13/16
12	1/2	-8	12.7	13/16 - 16	107TA4219	67	35	29	13/16	15/16
12	1/2	-8	12.7	1 - 14	107TA4220	72	41	32	13/16	1.1/8
12	1/2	-8	12.7	1.3/16 - 12	107TA4221	73	42	48	13/16	1.3/8
16	5/8	-10	15.9	1 - 14	107TA4222	77	41	32	15/16	1.1/8
16	5/8	-10	15.9	1.3/16 - 12	107TA4223	85	49	48	1	1.3/8
20	3/4	-12	19.1	1 - 14	107TA4224	78	42	32	1.1/16	1.1/8
20	3/4	-12	19.1	1.3/16 - 12	107TA4225	85	49	48	1.1/16	1.3/8
20	3/4	-12	19.1	1.7/16 - 12	107TA4226	104	67	56	1.1/8	1.5/8
25	1	-16	25.4	1.7/16 - 12	107TA4227	110	69	56	1.3/8	1.5/8
25	1	-16	25.4	1.11/16 - 12	107TA4228	120	78	64	1.9/16	1.7/8
32	1.1/4	-20	31.8	1.11/16 - 12	107TA8363	122	81	64	1.3/4	1.7/8

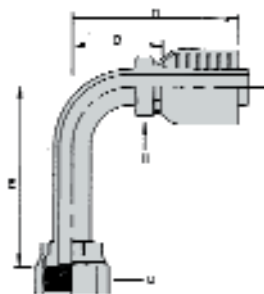
Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

ORFS SWIVEL FEMALE 90° ELBOW (MEDIUM)



Hose I.D.				End connection						
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	E mm	H inch	W inch
6	1/4	-4	6.3	9/16 - 18	107TA4250	57	38	32	9/16	11/16
10	3/8	-6	9.5	11/16 - 18	107TA4251	58	33	38	11/16	13/16
10	3/8	-6	9.5	13/16 - 16	107TA4252	65	39	41	11/16	15/16
12	1/2	-8	12.7	13/16 - 16	107TA4253	68	37	41	13/16	15/16
20	3/4	-12	19.1	1.3/16 - 12	107TA4254	86	50	58	1.1/16	1.3/8

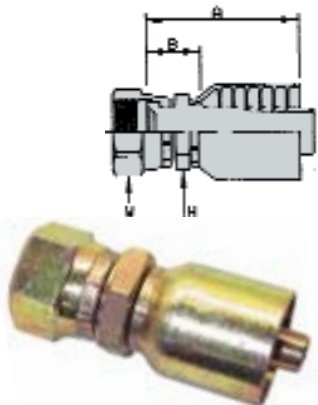
ORFS SWIVEL FEMALE 90° ELBOW (LONG)



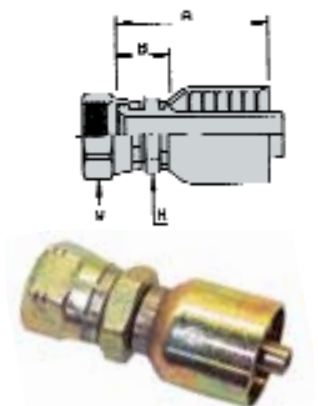
Hose I.D.				End connection						
DN	Inch	Size	mm	UNF thread	REF	A mm	B mm	E mm	H inch	W inch
6	1/4	-4	6.3	9/16 - 18	107TA4241	51	32	46	9/16	11/16
6	1/4	-4	6.3	11/16 - 16	107TA4242	57	38	54	9/16	13/16
10	3/8	-6	9.5	11/16 - 16	107TA4243	60	35	54	11/16	13/16
10	3/8	-6	9.5	13/16 - 16	107TA4244	65	39	64	11/16	15/16
12	1/2	-8	12.7	13/16 - 16	107TA4245	68	37	64	13/16	15/16
12	1/2	-8	12.7	1 - 14	107TA4246	75	44	70	13/16	1.1/8
16	5/8	-10	15.9	1 - 14	107TA4247	80	44	70	15/16	1.1/8
20	3/4	-12	19.1	1.3/16 - 12	107TA4248	86	50	96	1.1/16	1.3/8
25	1	-16	25.4	1.7/16 - 12	107TA4249	100	58	114	1.3/8	1.5/8

Fittings for DIN 20022 1 SN / 2 SN HOSES & SAE 100 R1, 2, 9

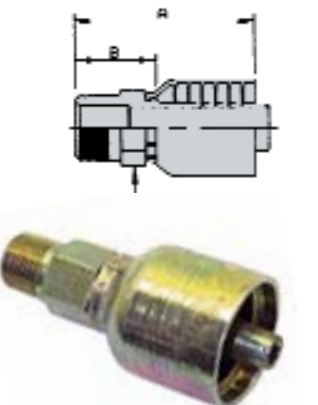
JIS 30° METRIC SWIVEL FEMALE

		Hose I.D.				End connection					
		DN	Inch	Size	mm	metric thread		REF	A mm	B mm	H mm
	6	1/4	-4	6.3		M14 x 1.5		107TA4273	50	31	19
	10	3/8	-6	9.5		M18 x 1.5		107TA4274	60	33	24
	12	1/2	-8	12.7		M22 x 1.5		107TA4275	68	35	27

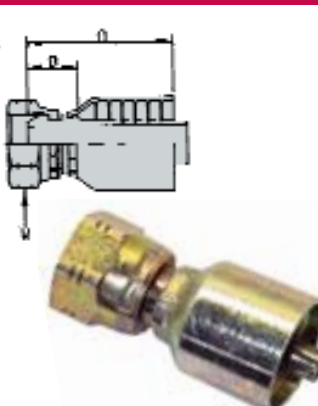
JIS 30° BSP SWIVEL FEMALE

		Hose I.D.				End connection					
		DN	Inch	Size	mm	BSPP thread		REF	A mm	B mm	H mm
	6	1/4	-4	6.3		1/4 - 19		107TA4267	50	32	19
	10	3/8	-6	9.5		3/8 - 19		107TA4268	61	34	22
	12	1/2	-8	12.7		1/2 - 14		107TA4269	69	36	27
	20	3/4	-12	19.1		3/4 - 14		107TA4270	80	43	36
	25	1	-16	25.4		1 - 11		107TA4271	90	45	41
	32	1.1/4	-20	31.8		1.1/4 - 11		107TA4272	100	53	50

JIS / BSP TAPER MALE - 60° CONE

		Hose I.D.				End connection					
		DN	Inch	Size	mm	BSP thread		REF	A mm	B mm	H mm
	6	1/4	-4	6.3		1/4 - 19		107TA4261	47	28	19
	10	3/8	-6	9.5		3/8 - 19		107TA4262	54	27	22
	12	1/2	-8	12.7		1/2 - 14		107TA4263	66	33	27
	20	3/4	-12	19.1		3/4 - 14		107TA4264	73	36	36
	25	1	-16	25.4		1 - 11		107TA4265	87	42	41
	32	1.1/4	-20	31.8		1.1/4 - 11		107TA4266	93	46	50

JIS / BSP SWIVEL FEMALE - 60° CONE

		Hose I.D.				End connection					
		DN	Inch	Size	mm	BSPP thread		REF	A mm	B mm	W mm
	6	1/4	-4	6.3		1/4 - 19		107TA4255	53	34	19
	10	3/8	-6	9.5		3/8 - 19		107TA4256	61	34	22
	12	1/2	-8	12.7		1/2 - 14		107TA4257	69	37	27
	20	3/4	-12	19.1		3/4 - 14		107TA4258	81	44	36
	25	1	-16	25.4		1 - 11		107TA4259	92	47	41
	32	1.1/4	-20	31.8		1.1/4 - 11		107TA4260	100	53	50



HYDRAULIC COUPLINGS QUICK-RELEASE BSP

	3/8"	1/2"	3/4"	1"
Male 	REF 107TA4293	REF 107TA4288	REF 107TA4282	REF 107TA4276
Male 	REF 107TA4294	REF 107TA4289	REF 107TA4283	REF 107TA4277
Female 	REF 107TA4295	REF 107TA4290	REF 107TA4284	REF 107TA4278
Female 	REF 107TA4296	REF 107TA4291	REF 107TA4285	REF 107TA4279

HYDRAULIC COUPLINGS QUICK RELEASE BSP



**QUICK-COUPPLINGS
FOR AIR APPLICATION**

FEMALE

FLEXCOUPLING	A	L	REF
with internal thread	G1/8	53,6	116TA5516
	G1/4	55,6	116TA5517
	G3/8	57,6	116TA5518
	G1/2	61,1	116TA5519
	NPT1/8	55,6	116TA5520
	NPT1/4	58,6	116TA5521
	NPT3/8	58,6	116TA5522
	NPT1/2	64,6	116TA5523
with external thread	G1/4	47,6	116TA5524
	G3/8	47,6	116TA5525
	G1/2	48,6	116TA5526
	NPT1/4	48,8	116TA5527
	NPT3/8	48,8	116TA5528
	NPT1/2	48,6	116TA5529
with hose connection	D	L	REF
	LW6	68,1	116TA5530
	LW8	68,1	116TA5531
	LW10	68,1	116TA5532
	LW13	68,1	116TA5533

MALE



THREADED NIPPLE	A	L	SW	REF
with external thread	G1/8	34,0	14	116TA5534
	G1/4	31,0	14	116TA5535
	NPT1/8	32,5	14	116TA5536
	NPT1/4	30,7	14	116TA5537
with internal thread	G1/8	42,0	14	116TA5538
	G1/4	43,0	17	116TA5539
	NPT1/8	42,0	14	116TA5540
	NPT1/4	43,0	17	116TA5541
with hose connection	D	L	Ø	REF
	LW6	51,0	14	116TA5542
	LW8	51,0	14	116TA5543
	LW10	51,0	14	116TA5544

TECHNICAL DETAIL : HYDRAULIC PUMPS



EXAMPLE



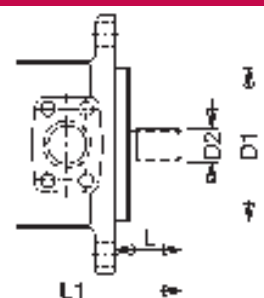
Company:
 Customer code:
 Name:
 Fax number:
 Truck make:
 Truck type: Serial nr.:

FAX FORM: HYDRAULIC PUMPS

- 1 TY-PO Type of pump, see diagrams
- 2 TY-FL Type of flange, see diagrams
- 3 AT-EL Number of elements pump: 1 = single, 2 = double
- 4 D1 Collar diameter, see diagram (mm)
- 5 TY-AS Type of shaft, see diagram
- 6 L Distance, see diagram (mm)
- 6 D2 Diameter of shaft, see diagram (mm)
- 7 AC Number of splines
- 8 B Width of spline or spline groove, see diagram (mm)
- 9 TA Type of thread
- 10 DRZ Direction of rotation: CW=clockwise, CCW=counterclockwise
- 11 D3 Diameter, suction side, of first element
- 12 TA3 Type of thread, suction side, of first element
- 13 D4 Diameter, pressure side, of first element
- 14 TA4 Type of thread, pressure side, of first element
- 15 D5 Diameter, suction side, of second element
- 16 TA5 Type of thread, suction side, of second element
- 17 D6 Diameter, pressure side, of second element
- 18 TA6 Type of thread, pressure side, of second element
- 19 AT-PR Number of divider exits: when equipped with flowdivider
- 20 Q Flow in cm³
- 21 P Pressure in Bar
- 22 L1 total length of pump without mounting
kit (e.g. bolts)

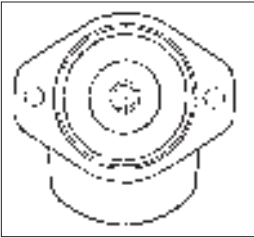
Remark: For single element pumps with flowdivider, we use the diameter or thread on the pressure side of the second element, to fill in the largest diameter or thread of the flowdivider !

DIMENSIONS



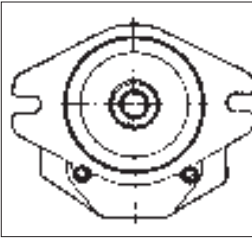
TYPE OF FLANGE

TYPE: A (A)

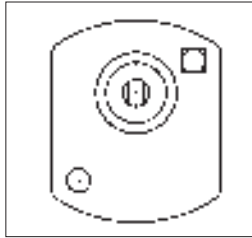


when with thread
= type AA

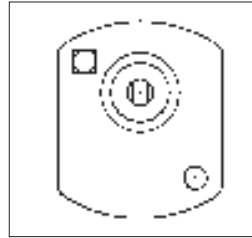
TYPE: B



TYPE: C

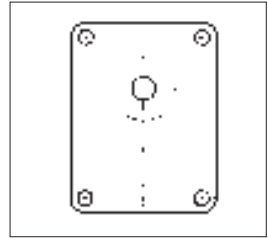


TYPE: D



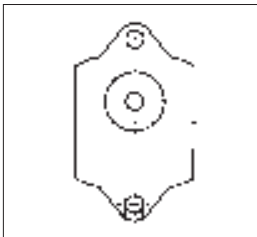
D: ball joint inner thread
(2 bolts)

TYPE: E

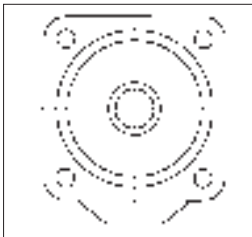


also possible with a
random shape

TYPE: F

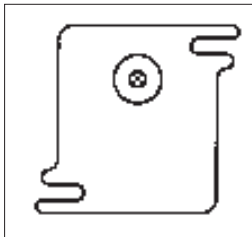


TYPE: G



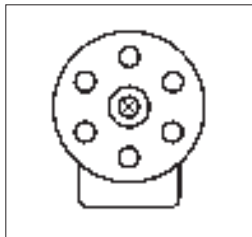
G: outer thread socket

TYPE: H



H: inner thread socket
without clamp

TYPE: I

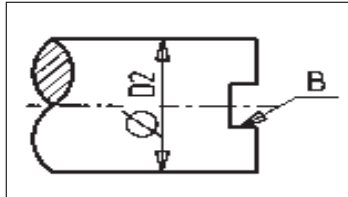


TYPE: S

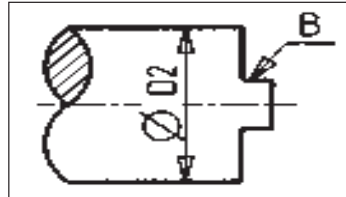
special types:
none
of the above

TYPE OF SHAFT

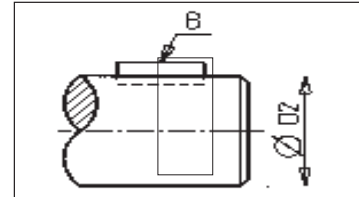
type of shaft A



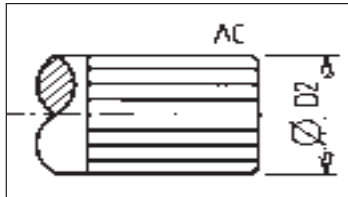
type of shaft B



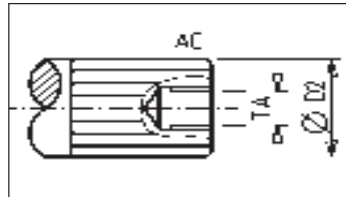
type of shaft C



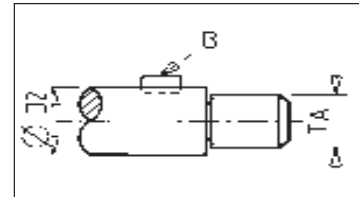
type of shaft D



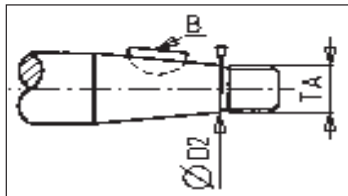
type of shaft E



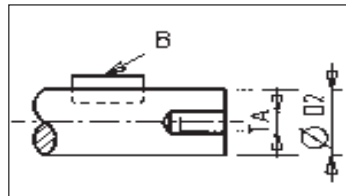
type of shaft F



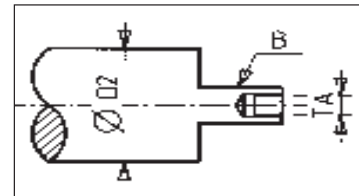
type of shaft G



type of shaft H

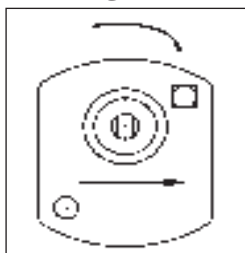


type of shaft I



SENSE OF ROTATION

CW

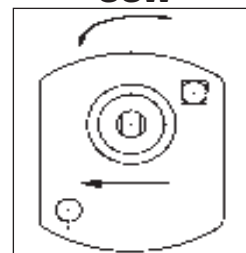


suction

pressure

pressure

CCW



suction

BOSCH



VICKERS



JOHN-BARNES

(now HALDEX)



HYDRECO HAMWORTHY



These units have to be ordered by giving full details of the pump make or complete machine details.

DOWTY

(now ULTRA)



HPI



COMMERCIAL



SHIMADZU



IOTTI STROZZI



SAUER SUNSTRAND



KAYABA



PLESSY

(now SAUER SUNDSTRAND)



ECKERLE REXROTH



SALAMI



DENISON



PARKER



HYDRAULIC PUMPS

TO ORDER A HYDRAULIC PUMP, PLEASE GIVE FULL TRUCK DETAILS AND / OR ALL DATA ON THE PUMP.

We can supply all requested makes: Bosch, Olaer, Hydac, Integral Hydraulics, Leduc, ...

HYDRAULIC ACCUMULATORS / UNIVERSAL APPLICATION



- | | |
|---------------------------|-------------------|
| 1) Accumulator | 5) Lift cylinder |
| 2) Distributor block | 6) Relief circuit |
| 3) Hydraulic pump | 7) Oil reservoir |
| 4) Main hydraulic Circuit | |

ASK MORE INFO



No accumulator

- Faster driver-fatigue
- Loss of control of the vehicle
- Difficult handling of the lift lever
- Damage to the goods
- Damage and subsequent downtime due to vibrations.



With accumulator

- Less driver-fatigue
- Improved vehicle handling
- Easier operation of the lift lever
- Transported goods are delivered undamaged
- Decreased downtime of the truck

500KG > 1 T (0,5L)



Pre-charged **REF 113TA2370**
 Not pre-charged **REF 113TA2371**
 Connection: M18 x 1,5 internal
 Bracket: **REF 113TA2381**

+ 1 T > 2T (0,75L)



Pre-charged **REF 113TA2372**
 Not pre-charged **REF 113TA2373**
 Connection: M33 x 1,5 external
 G1/2" internal
 Bracket: **REF 113TA2382**

+ 2T > 3 T (0,75L)



Pre-charged **REF 113TA2374**
 Not pre-charged **REF 113TA2375**
 Connection: M33 x 1,5 external
 G1/2" internal
 Bracket: **REF 113TA2383**

+3T > 5T (1L)



Pre-charged **REF 113TA2376**
 Not pre-charged **REF 111TA6198**
 Connection: M30 x 1,5 internal
 Bracket: **REF 111TA6200**

+5T > 8T (2,8L)



Pre-charged **REF 113TA2377**
 Not pre-charged **REF 113TA2378**
 Connection: M22 x 1,5 internal
 Bracket: **REF 113TA2384**

+8T > 12T (2,5L)



Pre-charged **REF 113TA2379**
 Not pre-charged **REF 113TA2380**
 Connection: G1" 1/4 internal
 Bracket 2x : **REF 113TA2385**
 + 1x : **REF 113TA2386**

* Pre-charged accumulators are ready for immediate use, but cannot be shipped by air. When the goods have to be shipped by air, it is necessary to order the non-pre-charged version. These should be charged before use for proper operation. Charge pressure is 1/3 of average working pressure of the truck.

** If you wish to replace an existing application, an inquiry for a hydraulic accumulator should always be accompanied by complete machine details and/or all references on the existing accumulator.

FOR SPECIFIC APPLICATIONS, PLEASE CONTACT OUR SALES DEPARTMENT.

MULTI-PRESSURE TESTER

Pressure testing devices for hydraulic, air and vacuum systems.



LOW-PRESSURE GAUGE

Pressure readings from 0 - 10 bar.
Vacuum readings up to 76 cm Hg.

MIDRANGE PRESSURE GAUGE

Pressure readings from 0 to 60 bar.

HIGH-PRESSURE GAUGE

Pressure readings from 0 to 400 bar.

REF 107TA4297

FEATURES:

- * Glycerine-filled gauge for a safe read-out.
- * Built-in valve protects device against high pressures.
- * Readings in PSI (pounds/inch²) or bar (kgf/cm²).
- * Dust and moisture resistant.
- * Compact, provided with a 90 cm flexible pipe, 1/8" NPTF connection.
- * Compatible with most hydraulic fluids.

PRESSURE GAUGES FOR OIL



- connection 1/4" BSP
- Case: Ø 63
- Stainless steel
- Filled with glycerine

Bar	PSI	REF
0 - 1	0 - 15	107TA4308
0 - 2.5	0 - 35	107TA4309
-1 - +3	-1 - +40	107TA4310
0 - 4	0 - 60	107TA4311
0 - 6	0 - 80	107TA4312
0 - 10	0 - 150	107TA4313
0 - 16	0 - 230	107TA4314
0 - 1.6	0 - 23	107TA4315
0 - 25	0 - 350	107TA4316
0 - 40	0 - 600	107TA4317
0 - 60	0 - 800	107TA4318
0 - 100	0 - 1500	107TA4319
0 - 160	0 - 2300	107TA4320
0 - 250	0 - 3500	107TA4321
0 - 400	0 - 6000	107TA4322
0 - 600	0 - 8000	107TA4323

PRESSURE GAUGES FOR OIL



- connection 1/4" BSP
- Case: Ø 63
- Stainless steel
- Filled with glycerine

Bar	PSI	REF
-1 - +3	-1 - +40	107TA4298
0 - 6	0 - 80	107TA4299
0 - 10	0 - 150	107TA4300
0 - 16	0 - 230	107TA4301
0 - 25	0 - 250	107TA4302
0 - 60	0 - 800	107TA4303
0 - 100	0 - 1500	107TA4304
0 - 160	0 - 2300	107TA4305
0 - 250	0 - 3500	107TA4306
0 - 400	0 - 6000	107TA4307

DIGITAL PRESSURE TESTER

Offers you more than a conventional pressure gauge!

DIGITAL PRESSURE TESTER:

- * digital measuring and displaying of pressures
- * accuracy typ. 0,5% FS (full scale)
- * capturing pressure peaks
- * easy operation, robust and reliable
- * battery life time cycle 1.500 hrs

SCOPE OF SUPPLY:

- * Digital pressure gauge with pressure peak display
-1...30 bar (400 PSI) **REF 116TA5801**
- 0...300 bar (4000 PSI) **REF 116TA5802**
- 0...600 bar (9000 PSI) **REF 116TA5803**

KIT:

The kit is the ideal tool for every application in service, maintenance and repair of hydraulic systems. Depending on the pressure ranges you can choose between 3 variants.

- | | |
|------------------------|----------------------|
| Kit 30 bar (400 PSI) | REF 116TA5807 |
| Kit 300 bar (4000 PSI) | REF 116TA5805 |
| Kit 600 bar (9000 PSI) | REF 116TA5806 |

The equipment has a large variety of accessories, and allows you to a quick and reliable functional gauging and troubleshooting.

- 1 equipment case (with 2 compartments)
- 1 digital tester
- 1 adaptor point 7/16 UNF (M16x2)
- 1 Test Point Coupler (M16x2 - Pin Lock)
- 1 Test Point Coupler (M16x2 - S12)
- 1 Test Point Coupler (M16x2 - M16x2)
- 1 Test Point Coupler (M16x2 - M16x5)
- 1 test hose 1.500mm

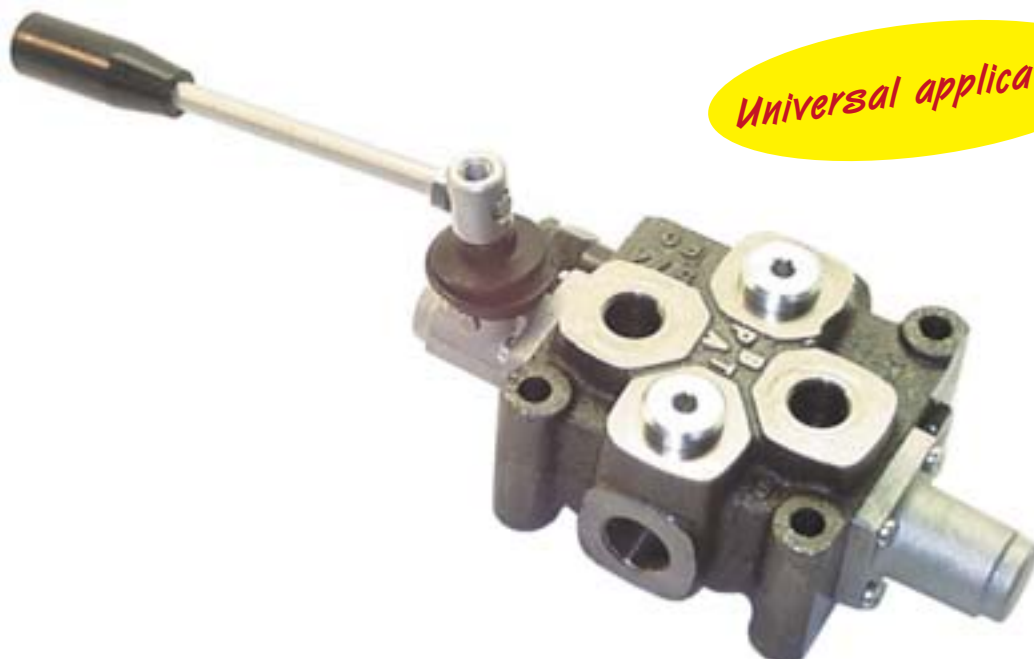


**DIGITAL
MIN/MAX-
FUNCTION**

UNIVERSAL VALVE

SPECIAL
OFFER

Universal application

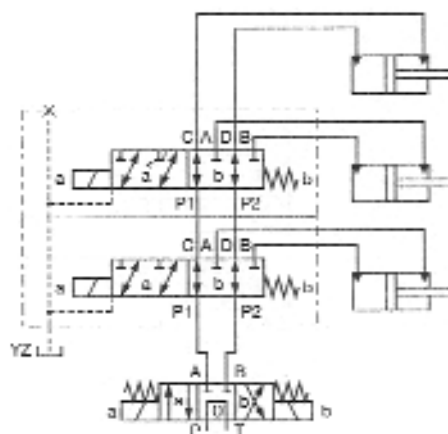


REF 106TA6806

Universal double-acting valve to add third or fourth function on every forklift truck. This valve is not a part of the main distributor, but can be mounted on a separate part on the truck.

ELECTRICAL VALVE

Universal application

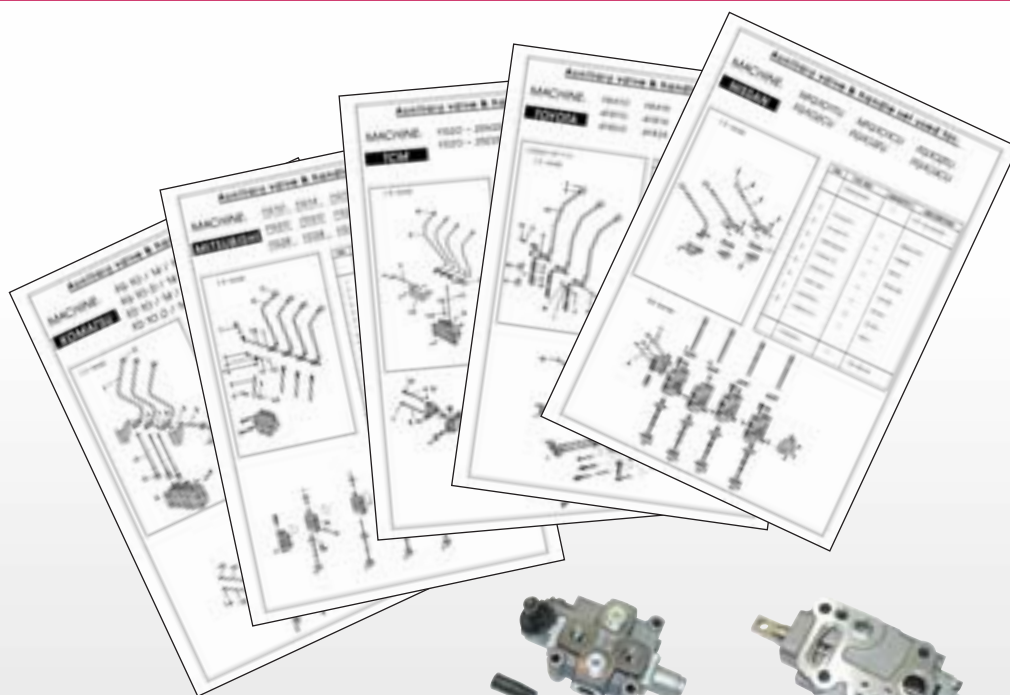


Stackable electrical valve to double the working functions on one lever. Available in 12, 24, 48 and 80 VDC.

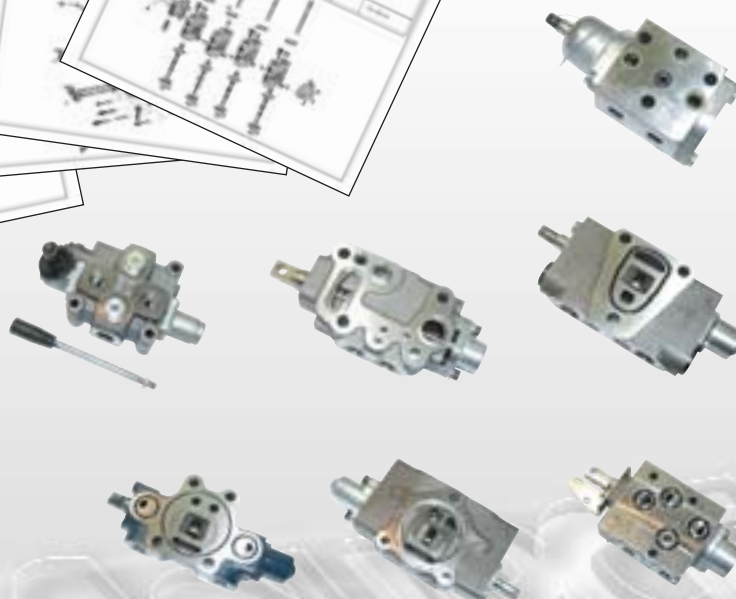
12 V	REF 106TA6818
24 V	REF 106TA6819
48 V	REF 106TA6820
80 V	REF 111TA5832



Mounting and lever kit: **REF 106TA6821**



This is a selection of auxiliary valves and handle sets, for all other valves and sets, please contact your sales person with full truck details. Valves may look the same but function and details may be different.





USED FOR TOYOTA

**SPECIAL
OFFER**



REF 106TA7407



REF 106TA7408

TYPE:
4FG10, 14, 15, 18

3FD10, 14, 15, 18

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TOYOTA



REF 106TA7409



REF 106TA7991

TYPE:
5FGF/5FDF - 10, 15, 20, 25
(8710 - 8912)

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TOYOTA



REF 115TA6976



REF 106TA7417

TYPE:
FBM - 16, 20, 25

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TOYOTA



REF 106TA7409



REF 115TA6977

TYPE:
5FG/5FD 35, 40, 45
up to april 93

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TOYOTA

**SPECIAL
OFFER**



REF 115TA6979



REF 115TA6978

TYPE:
5FG/5FD 35, 40, 45
from april 93

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TOYOTA



REF 105TA4838



REF 106TA7991

TYPE:
Series 5 (8909-....)

5FGF/5FDF-10,15,20,25
(8912-....)

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TOYOTA



REF 106TA7410



REF 106TA7992

TYPE:
6FG/6FD10,14,15,18

6FG/6FD20, 23,25

6FG/6FD28,30

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TOYOTA



REF 106TA7411



REF 106TA7412

TYPE:

2FBE15

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TOYOTA



REF 106TA7413



REF 106TA7414

TYPE:

FBA10,15

4FB10, 14, 15, 20, 25

FBA20, 25 (8003-8711)

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TOYOTA



REF 106TA7415



REF 105TA4835

TYPE:

4FB10, 14, 15 FROM (8711-....)

4FB20, 25 FROM (8711-....)

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TOYOTA



REF 106TA7416



REF 106TA7417

TYPE:

5FB10, 15, 18

5FB20, 25, 30

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TOYOTA



REF 106TA7418



REF 106TA7993

TYPE:

5FBE10, 13, 15, 18

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*



USED FOR TOYOTA



REF 106TA7419



REF 106TA7420

TYPE:
6FB15, 20, 25, 30

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TOYOTA



REF 106TA7479



REF 106TA7990

TYPE:
7FG15, 20, 25, 30
7FD15, 20, 25, 30

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR LINDE



REF 106TA7464



REF 106TA7463

TYPE:
H25D-351

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR MITSUBISHI



REF 106TA7423



REF 106TA7994

TYPE:
FG10, 14, 15-F25A
FG20, 25-F17B
FD20, 25-F18B
FD28, 30-F14C
FG28, 30-F13D

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*



USED FOR NISSAN



REF 106TA7424



REF 106TA7995

TYPE:
J02

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR NISSAN



REF 106TA7425



REF 106TA7426

TYPE:
J01
J02

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR NYK-NICHIYU



REF 106TA7427



REF 106TA7428

TYPE:
FB10, 15, 18P-50

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TCM



REF 106TA7458



REF 106TA7996

TYPE:
FG20, 25N2S
FD20, 25Z2S

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR TCM



REF 106TA7459



REF 107TA7744

TYPE:
FG20, 25N3 (SERIES ALPHA)
FD20, 25Z3 (SERIES ALPHA)

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR KOMATSU



REF 106TA7422



REF 106TA7997

TYPE:
FG/20, 25, 30-12

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

USED FOR KOMATSU



REF 106TA7421

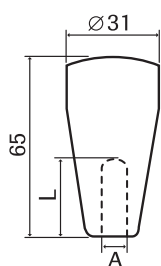


REF 105TA4837

TYPE:
FG10D-14-15D-18D-15
FG/FD15HD-18HD-15
FD10D-14D-15D-18D-15
FG/FD20D-25D-30D-11
FG20S-25S-30S-11

*Auxiliary valve & handle set 3rd valve section.
For 4th valve section, please contact us !*

HANDLE FOR LEVER SYSTEM



A	L
M8 x 1,5	15
M10 x 1,5	25



Material: plastic
The handles may be completed with the levers for each type of lift truck
Other markings on request

MARKING	A	REF
neutral	M8	124TA2872
a	M8	124TA2873
b	M8	124TA2874
c	M8	124TA2875
d	M8	124TA2876
neutral	M10	124TA2877
a	M10	124TA2878
b	M10	124TA2879
c	M10	124TA2880
d	M10	124TA2881



USED FOR CLARK



REF 107TA4332 (plastic)
installation: 6 x 19 mm

USED FOR CLARK, HYSTER



REF 107TA4331 (metal)
installation: 6 x 19 mm

USED FOR TCM



REF 107TA4330
Ø installation: 11 mm

USED FOR NISSAN, KOMATSU



REF 107TA4329
Ø installation: 14 mm

USED FOR HYSTER



REF 107TA4328
installation: 3/8 UNF

USED FOR CATERPILLAR, MITSUBISHI



REF 107TA4327
Ø installation: 13,5 mm

USED FOR KOMATSU



REF 107TA4326
Ø installation: 12,5 mm

USED FOR CATERPILLAR



REF 107TA4334
installation: M12

USED FOR CLARK



REF 107TA4324
installation: 6 x 19 mm

USED FOR TCM



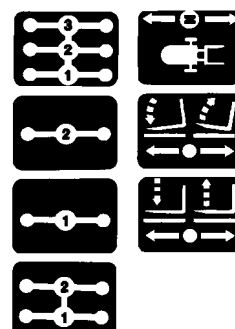
REF 107TA4325
Ø installation: 11 mm

USED FOR TOYOTA



REF 107TA4333
Ø installation: 13 mm

Supplied with decals:



For all other control knobs,
please contact us

USED FOR KOMATSU



REF 107TA4344
Ø installation: 14 mm

USED FOR KOMATSU



REF 107TA4343
Ø installation: 14 mm

USED FOR TOYOTA



REF 107TA4342
Ø installation: 13 mm

USED FOR KOMATSU



REF 107TA4339
Ø installation: 14 mm

USED FOR CLARK



REF 107TA4346
Ø installation: 9,5 mm

USED FOR CLARK



REF 107TA4338 (plastic)
installation: 6 x 19 mm

USED FOR CLARK



REF 107TA4337 (plastic)
installation: 6 x 19 mm

USED FOR CLARK



REF 107TA4341 (metal)
installation: 6 x 19 mm

USED FOR KOMATSU



REF 107TA4336
Ø installation: 18 mm

USED FOR TOYOTA



REF 107TA4335
Ø installation: 15 mm

USED FOR
AMEISE-JUNGHEINRICH

REF 107TA4340
installation: M8

USED FOR
CATERPILLAR, MITSUBISHI

REF 107TA4345
Ø installation: 11 mm

USED FOR HYSTER



REF 107TA4361
installation: 3/8 UNF

USED FOR HYSTER



REF 107TA4360
installation: 3/8 UNF

USED FOR FENWICK



REF 107TA4359
Ø installation: 11 mm

USED FOR TOYOTA



REF 107TA4358
installation: M10 x 1,25

USED FOR NISSAN



REF 107TA4357
installation: Ø 13 mm

USED FOR FIAT



REF 107TA4356
installation: M8

USED FOR CATERPILLAR



REF 107TA4355
installation: 1/2 UNC

USED FOR TCM



REF 107TA4354
installation: M10

USED FOR JUNG.



REF 116TA5646
installation: Ø10



	Ø d	Ø D
REF 107TA4347 REF 122TA8893 REF 122TA8894 REF 107TA4348	10 mm 12 mm 1/2 inch 14 mm	25 mm 38 mm 38 mm 40 mm
REF 107TA4349 REF 107TA4350 REF 107TA4351 REF 107TA4352	M6 M8 M10 M12	32 mm 32 mm 40 mm 40 mm
REF 107TA4353	3/8UNF	32 mm

TECHNICAL DETAIL: HYDRAULIC PUMP UNITS



- Available in 12, 24, 48 VDC. Optional: 36, 72, 80 V
- Motor power varies from 800 Watts to 3 Kilowatts
- Pump capacity varies from 0,25 cc to 6 cc
- Manual, electric or no decompression
- To action a single or double acting cylinder
- Horizontal or vertical mounting position
- Tank capacity variable from 0,5 to 15 Liters
- Operating pressure from 25 to 250 Bar (350 to 3500 psi)

Company:

Customer code:

Name:

Fax number:

Truck make:

Truck type: Serial nr.:

To order, please give full truck details and/or full description of power unit.

Technical data for Hydraulic Pump + Electric DC-motor

Motor

Voltage: VDC

Power: Watts

With or without starting relay:

Pump

Desired flow: L/min

Pump capacity: Cc/rev

Group

With or without reservoir:

Reservoir capacity: Litres

Or dimensions:

Position (horiz., vert., other):

Desired Pressure: Bar

Decompression (*): Without decompression / Decompression by electrical control (.....V)
/ Decompression by manual control

To operate a single or double working cylinder:

N° of ports (*): One port (Pressure + return) / Two ports (Pressure and return separated)

Maximum installation

Dimensions (*):mm (Length) xmm (Diameter) / not applicable

(*) Indicate the appropriate





USED FOR CLARK

Though these hydraulic units may resemble the one fitted in the truck, there can be a big difference (e.g. motor voltage, pump capacity,...). Therefore we always ask you to supply us with full truck details before ordering a similar unit.

Also available in Service Exchange



REF 107TA4364

Type: CLARK ECM 20-30
EPM 20-30

Voltage: 80 VDC

HYDRAULIC UNITS

USED FOR BT



REF 107TA4363

Type: BT RT/TRT/FRT

Voltage: 48 VDC

USED FOR JUNGHEINRICH



REF 105TA2724

Type: JUNGHEINRICH EKE/EKC/EJP/Kms

Voltage: 24 VDC

USED FOR JUNGHEINRICH - MIC



REF 107TA4362

Type: MIC G100

Voltage: 24 VDC

USED FOR LINDE

Though these hydraulic units may resemble the one fitted in the truck, there can be a big difference (e.g. motor voltage, pump capacity,...). Therefore we always ask you to supply us with full truck details before ordering a similar unit.

Also available in Service Exchange



REF 107TA4368

Type: LINDE E12/E14

Voltage: 24 VDC

USED FOR STEINBOCK



REF 107TA4367

Type: STEINBOCK WP13/WL15

Voltage: 24 VDC

USED FOR LINDE



REF 107TA4366

Type: LINDE E12

Voltage: 24 VDC

USED FOR LINDE



REF 107TA4365

Type: LINDE E12/E14
E15Z-02

Voltage: 48 VDC



USED FOR LINDE

Though these hydraulic units may resemble the one fitted in the truck, there can be a big difference (e.g. motor voltage, pump capacity,...). Therefore we always ask you to supply us with full truck details before ordering a similar unit.

*Also available
in Service Exchange*

REF 107TA4370
Type: LINDE E12

Voltage: 24 VDC



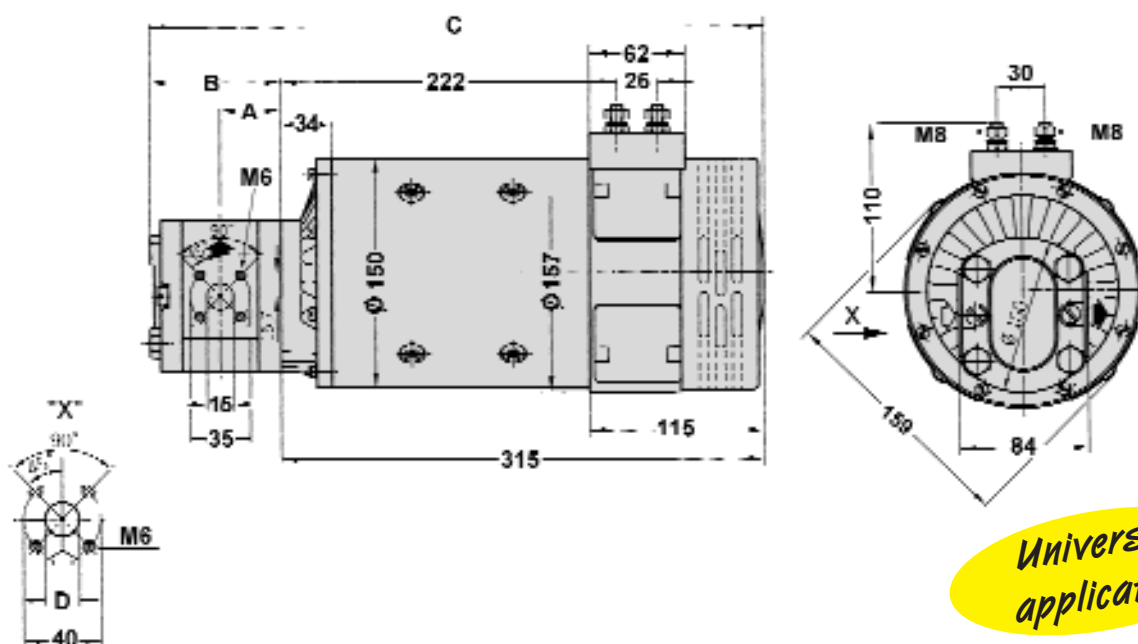
USED FOR LINDE - FENWICK

REF 107TA4369
Type: FENWICK SM10/15P
FENWICK-LINDE RE16/20

Voltage: 72 VDC



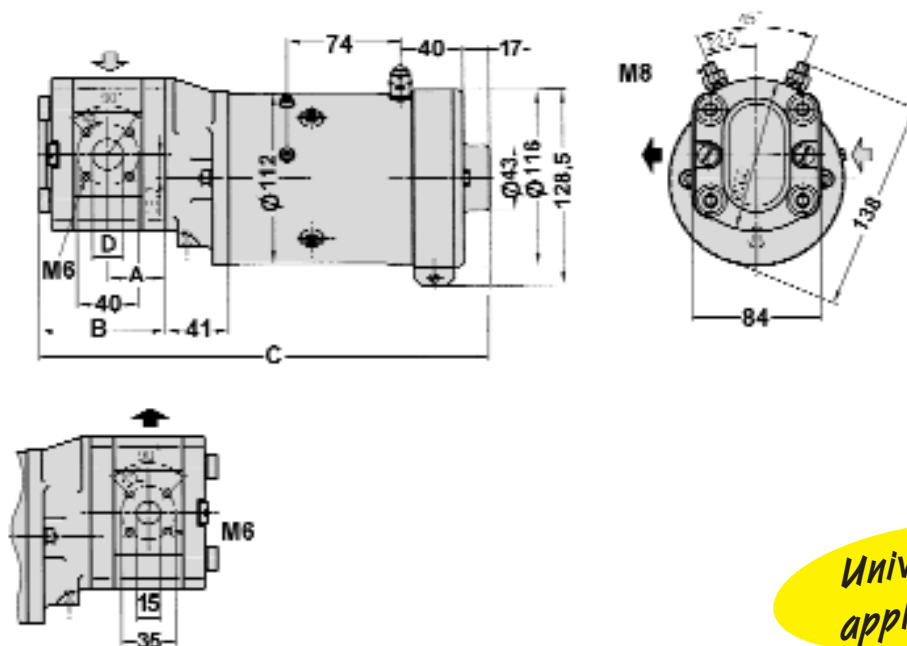
PUMP MOTORS



Universal
application

W	V	cm ³ /rev	A	B	C	D	REF
3000	24	8	41	89	404	20	105TA2721
3000	24	11	45	94	409	20	105TA2722
3700	48	11	45	100	415	20	105TA2723

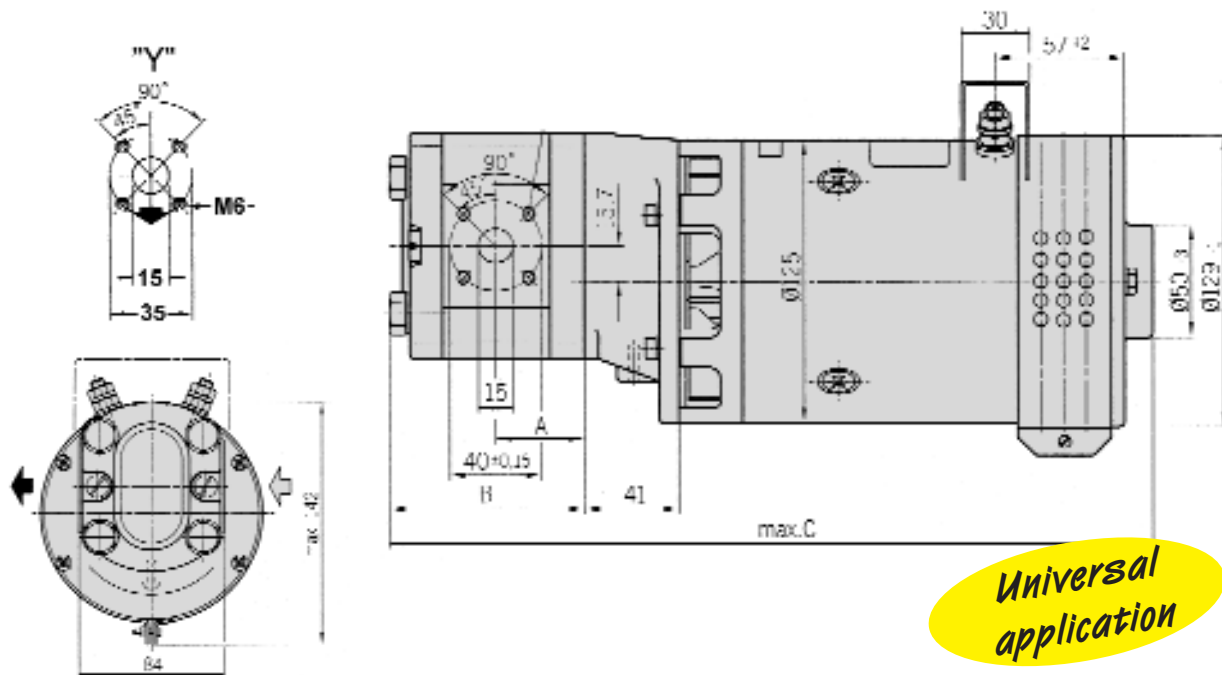
PUMP MOTORS



Universal
application

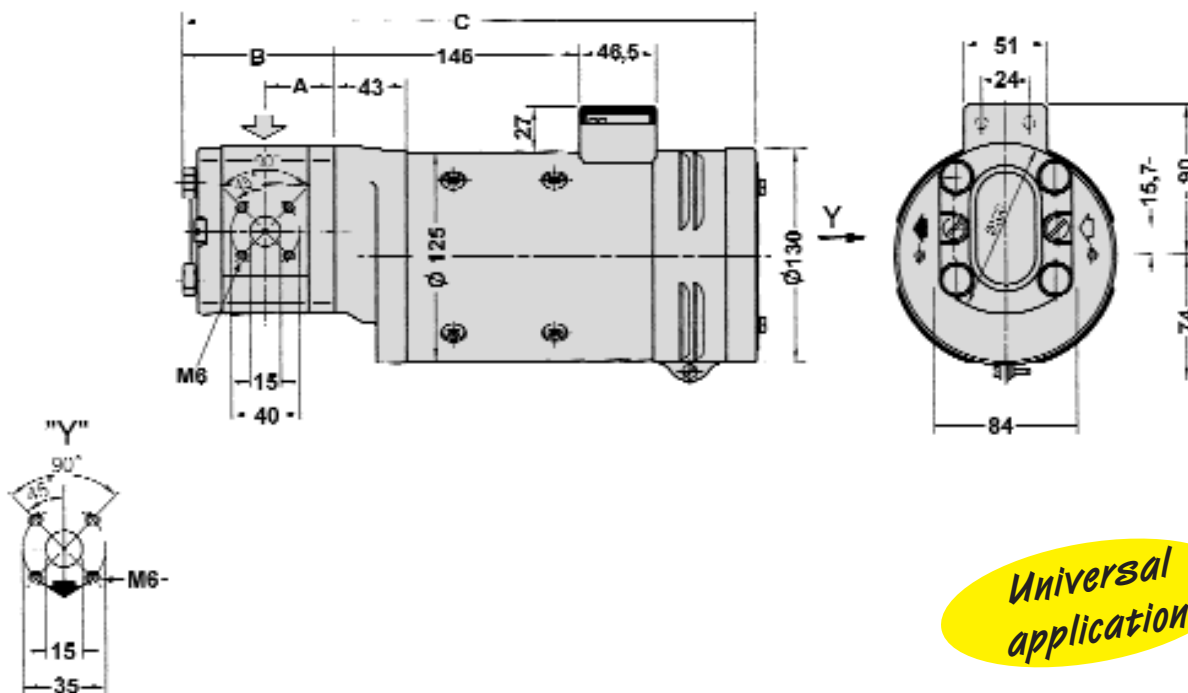
W	V	cm ³ /rev	A	B	C	D	REF
2000	24	4	37,3	82,5	293	15	105TA2724

PUMP MOTORS



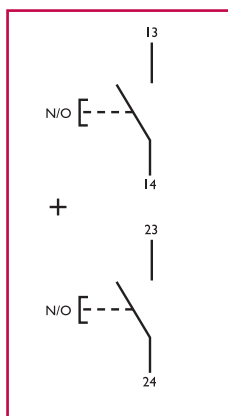
W	V	cm ³ /rev	A	B	C	E	REF
1000	72	5,5	38,6	85	333	248	112TA4890

PUMP MOTORS



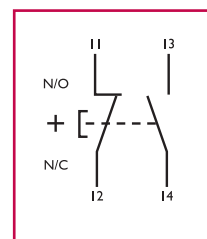
W	V	cm ³ /rev	A	B	C	E	REF
500	72	5,5	38,6	85	340	255	105TA2726

2 FUNCTIONS



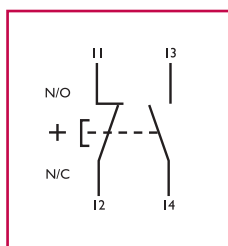
REF 106TA7984
2-spring return push buttons

2 FUNCTIONS



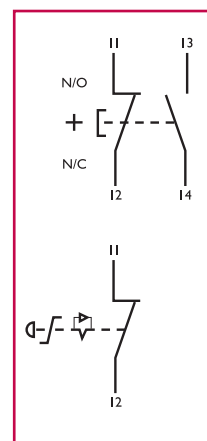
REF 106TA7985
2 push buttons
mechanically interlocked

2 FUNCTIONS



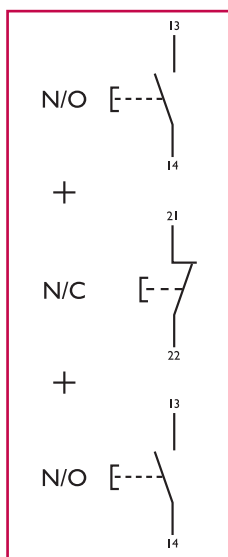
REF 106TA7986
2-spring return push buttons
mechanically interlocked

3 FUNCTIONS



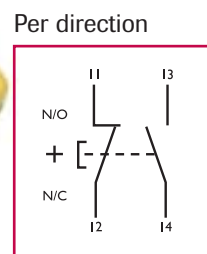
REF 106TA7987
2 push buttons with emergency switch
mechanically interlocked

3 FUNCTIONS



REF 106TA7988
3-spring return push buttons

4 FUNCTIONS



REF 106TA7989
4 push buttons
Mechanically interlocked (2 by 2)

HYDRAULIC PUMP FOR TAIL LIFT

Separate parts and accessories for loading ramp also available

Controls are optional

Illustrated unit has a lifting capacity of 1500 kgs, 24 V motor, 2 kW, pump 3.2 cc, reservoir 7 litres (other specifications upon request)

NEW

REF 111TA6201

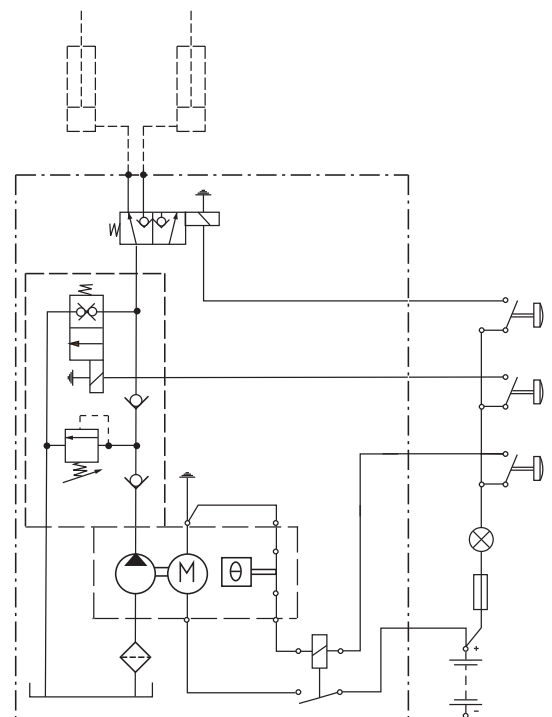
“CLASSIC” UNITS

Unique design. All components were built into a casing with reservoir and cover. Reliable in the most extreme circumstances. Capacity 2 to 4 kW. Voltages 12, 24 or 48 V. Ventilated motors optional. Valve seats 100% leakproof.

“CLASSIC” SYSTEMS

Voltage Range:	12-48 VDC
Pump Displacements:	0.048 in ³ - 0.347 in ³ (0.80 cc - 5.7 cc)
Maximum Pressure:	3700 psi (255 Bar)
Reservoirs:	3 qt - 5.0 gal. (3.21 ltr.-18.7 ltr) Steel

The Classic series power systems are designed to use in a wide range of applications requiring rugged dependability and the ability to withstand exposure to environmental contamination. The Classic series allows you to design a power system which meets the exact specifications of the application using standard components. The Classic series design incorporates leak proof valves to minimize the effects of oil contamination and is designed to allow you maximum flexibility over a wide range of applications in either hot or cold environments. The Classic series is designed to accept a broad range of valving, motor, pump and reservoir combinations.



NOTES