



SPIRALFIT

NEW TWO-PIECE NO-SKIVE FITTINGS



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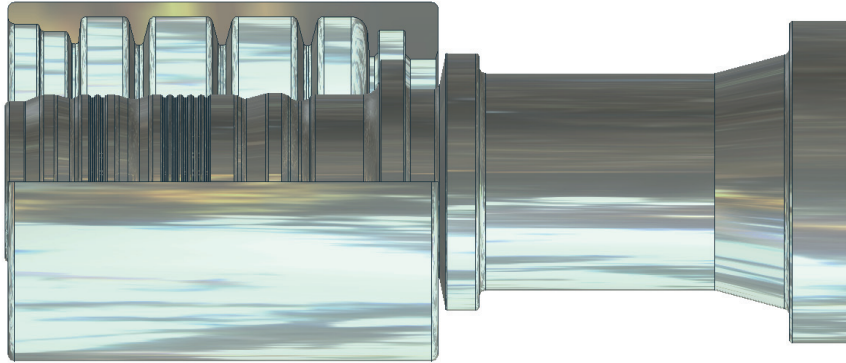


KEY FEATURES

SpiralFit is a no-skive fitting solution for heavy duty wire spiral and large bore wire braid hoses.

The NO-SKIVE fitting solution allows for easy and fast hose assembly operations. It is intended for aftermarket and maintenance activities, particularly on-site repairs.

SPIRALFIT PRODUCT CONCEPT



Through the cover "lock-the-wire" technology

PRODUCT HIGHLIGHTS

- NO-SKIVE style
- Two Piece solution allows better visibility during the assembly process
- FULL FLAT CRIMP
- Utilizes 1 stem, 2 ferrules for all sizes -12 to -32 to minimize inventory
- Extra large bore over 2" available

PART NUMBERING SYSTEM:

Fittings:

M7... Male or Double connector type Spiralfit

M8... Female or Flange type Spiralfit / Accessories (flange clamps and bolt)

Ferrules:

M05400... for 4WS hoses

M05500... for 6WS hoses and 4SP -20 & -24

SPIRALFIT

NEW TWO-PIECE NO-SKIVE FITTINGS

CUSTOMER ADDED VALUE

- No-Skive solution allows for faster assembling, increasing overall productivity
- Lower probability of assembly error
- Suitable for field repairs, maintenance and distribution operations
- Tested and approved on a wide variety of high pressure and large bore hoses from various international specifications (ISO, EN, SAE, etc)

MAIN APPLICATIONS

The versatility of SPIRALFIT no-skive fitting solution makes this suitable for many different applications:

- general construction equipment
- industrial hydraulic systems
- material handling equipment
- agriculture machines



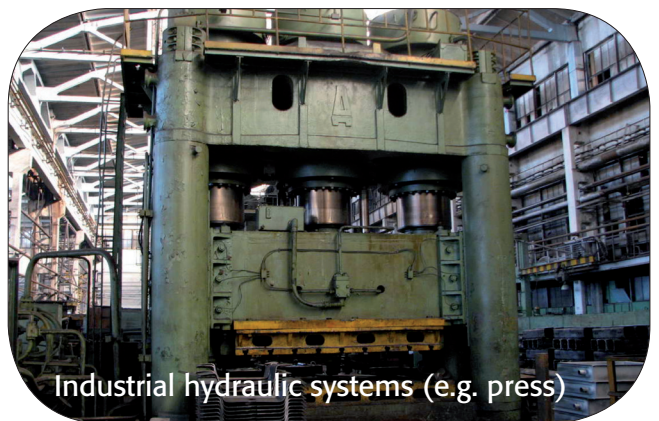
Material handling equipment



Agriculture machines



General construction

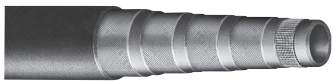
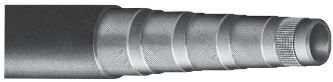
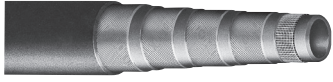
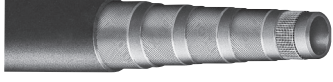
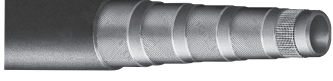
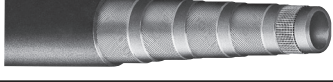

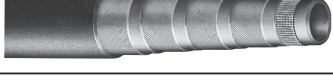

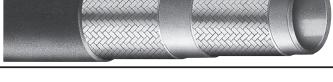



Industrial hydraulic systems (e.g. press)

SPIRALFIT PRODUCT RANGE

The following table summarizes the hose types by size, presenting the new SPIRALFIT fitting solution available and the reference ferrule.

All hoses are qualified with SPIRALFIT fittings, following the international specification requirements.

NO SKIVE - "TWO PIECE" HEAVY DUTY PROJECT WS HOSE		
HOSE STRUCTURES		
ROCKMASTER®/12		wire spiral structure TRADITIONAL hose range
GOLDENSPIR®/4SH ROCKMASTER®/4SH		
ROCKMASTER®/13		
ROCKMASTER®/15		
GOLDENSPIR®/4SP ROCKMASTER®/4SP		
GOLDENISO/21 XTRAFLEX		ISOBARIC wire spiral hoses featuring compactness and flexibility
GOLDENISO/28 XTRAFLEX		
GOLDENISO/35 XTRAFLEX		
GOLDENISO/42 XTRAFLEX		
XTRAFLOW/2WB		new LARGE BORE wier braid and wire spiral hoses
XTRAFLOW/4WS		

NO SKIVE - "TWO PIECE" HEAVY DUTY PROJECT WS HOSE

DN - DASH - INCHES

19 / - 12 3/4"	25 / - 16 1"	31 / - 20 1.1/4"	38 / - 24 1.1/2"	51 / - 32 2"	63 / - 40 2.1/2"	76 / - 48 3"	89 / - 56 3.1/2"	102 / - 64 4"
MF+M03500 (**)	MF+M03500 (**)	MF+M03500 (**)	SP+M05400	SP+M05400				
SP+M05400	SP+M05400	SP+M05400	SP+M05400	SP+M05400				
SP+M05400	SP+M05400	SP-M05500	SP-M05500	SP-M05500				
SP+M05400	SP+M05400	SP-M05500	SP-M05500					
SP+M05400	SP+M05400	SP-M05500	SP-M05500	SP+M05400				
		MF+M03500 (**)	SP+M05400	SP+M05400				
MF+M03500 (**)	MF+M03500 (**)	MF+M03500 (**)	SP+M05400	SP+M05400				
SP+M05400	SP+M05400	SP+M05400	SP-M05500	SP+M05500				
SP+M05400	SP+M05400	SP-M05500	SP-M05500	SP+M05500				
					SP+M05400	SP+M05400	SP+M05400	
					SP+M05400	SP+M05400	SP+M05400	SP+M05400

Qualified
(**) Lighter fittings than SP (MF+M03500)


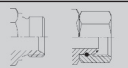
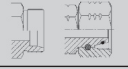





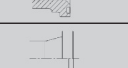


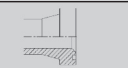





SP	SpiralFIT insert type
M05400	4 spirals ferrule
M05500	6 spirals ferrule
MF	Multifit insert type
M03500	4 spirals ferrule 4000 psi

SPIRALFIT PRODUCT RANGE

SPIRALFIT termination ends summary table.

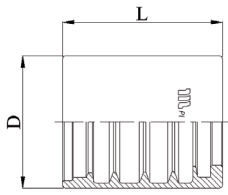
The table reports all working pressures of the termination ends tested and approved by family and size.

The reference specifications of the main installations are indicated as well.

	TYPE	SPECS	DESIGN	MAX WORKING PRESSURE - MPa (psi)									
				SIZE									
				3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"	3.1/2"	4"	
				DASH									
				12	16	20	24	32	40	48	56	64	
DN													
				19	25	31	38	51	63	76	90	102	
	BSP 60° CONE	BS5200 ISO 8434-6	STRAIGHT (MALE, O-RING FEMALE) 45°, 90° (FEMALE)	35 (5000)	35 (5000)	35 (5000)	30 (4530)	30 (4530)	-	-	-	-	
	METRIC 24° CONE HEAVY DUTY	DIN 3865 ISO 8434-1	STRAIGHT (MALE, FEMALE) 45°, 90° (FEMALE)	38,5 (5500)	35 (5000)	28 (4000)		-	-	-	-	-	
	JIC 37° CONE	SAE J514 ISO 8434-2	STRAIGHT (MALE, FEMALE) 45°, 90°, 90° LONG DROP	35 (5000)	28 (4000)	21 (3000)	16 (2300)	12,5 (1800)	-	-	-	-	
	ORFS	SAE J1453 ISO 8434-3	STRAIGHT (MALE, FEMALE) 45°, 90° (FEMALE)	42 (6000)	35 (5000)	28 (4000)	21 (3000)	-	-	-	-	-	
	NPT	ASME B1.20.1 API 6A	STRAIGHT (MALE)	-	-	-	-	35 (5000)	-	-	-	-	
	NPTF	ASME B1.20.3 SAE J514	STRAIGHT (MALE)	21 (3000)	17,5 (2500)	14,5 (2100)	14,5 (2100)	14,5 (2100)	-	-	-	-	
	API LINE PIPE	API 5B LINE PIPE THREAD	STRAIGHT (MALE) HEXAGONAL / CYLINDRICAL BODY	-	-	-	-	35 (5000)	-	-	-	-	
	ISO/SAE CODE 61 FLANGE	SAE J518-1 ISO 6162-1	STRAIGHT 45°, 90°	35 (5000)	35 (5000)	28 (4000)	21 (3000)	21 (3000)	17,5 (2500)	16 (2300)	3,5 (500)	3,5 (500)	
	ISO/SAE CODE 62 FLANGE	SAE J518-2 ISO 6162-2	STRAIGHT 30°, 45°, 60°, 90°	42 (6000)	42 (6000)	42 (6000)	42 (6000)	42 (6500)	-	-	-	-	
	XTRAFRANGE/62	SAE J518-2 ISO 6162-2 PORT COMPATIBLE	STRAIGHT 45°, 90°	56 (8000)	56 (8000)	56 (8000)	56 (8000)	45 (6000)	-	-	-	-	
	FLANGE PLUS	SAE J518-2 ISO 6162-2 PORT COMPATIBLE	STRAIGHT 45°, 90°	42 (6000)	42 (6000)	42 (6000)	-	-	-	-	-	-	
	SUPERCAT FLANGE	SAE J518-2 ISO 6162-2 PORT COMPATIBLE	STRAIGHT 22.5°, 30°, 45°, 60°, 67.5° 90°	42 (6000)	42 (6000)	42 (6000)	42 (6000)	42 (6000)	-	-	-	-	
	UNION FITTING FIG.1502	-	STRAIGHT (MALE, FEMALE)	-	-	-	-	100 (15000)	-	-	-	-	
	SUPER-STAPLE LOCK	MDG 41	STRAIGHT (MALE)	42 (6000)	42 (6000)	42 (6000)	42 (6000)	42 (6000)	-	-	-	-	
	FLUSHFIT LOW PRESSURE	-	STRAIGHT (MALE, FEMALE)	-	-	-	-	-	14 (2000)	10,5 (1500)	8 (1160)	-	
	ROTOFIT	-	STRAIGHT 45°, 90°	-	-	-	-	-	14 (2000)	-	-	-	

WORKING TEMP. °C	TIGHTENING TORQUE - Nm + 10%										SPLIT FLANGE CLAMP COMPATIBLE	ONE-PIECE FLANGE CLAMP COMPATIBLE
	SIZE											
	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"	3.1/2"	4"			
	DASH											
	12	16	20	24	32	40	48	56	64			
	DN											
(with standard seals)	19	25	31	38	51	63	76	90	102			
-30 to +110	85 (3/4"-14)	115 (1"-11)	190 (1.1/4"-11)	240 (1.1/2"-11)	300 (2"-11)	-	-	-	-	-	-	
	110 (M36x2)	180 (M42x2)	250 (M52x2)	-	-	-	-	-	-	-	-	
-	107 (1.1/16"-12)	147 (1.5/16"-12)	172 (1.5/8"-12)	215 (1.7/8"-12)	332 (2.1/2"-12)	-	-	-	-	-	-	
-30 to +110	90 (1.3/16"-12)	125 (1.7/16"-12)	170 (1.11/16"-12)	200 (2"-12)	-	-	-	-	-	-	-	
-	-	-	-	-	165 (2"-11,5)	-	-	-	-	-	-	
-	75 (3/4"-14)	90 (1"-11,5)	110 (1.1/4"-11,5)	130 (1.1/2"-11,5)	165 (2"-11,5)	-	-	-	-	-	-	
-	-	-	-	-	165 (2"-11,5)	-	-	-	-	-	-	
-30 to +110	70 (M10/L30) 60 (3/8"UNC/L32)	70 (M10/L30) 60 (3/8"UNC/L32)	70 (M10/L30) 92 (7/16"UNC/L38)	130 (M12/L35) 150 (1/2"UNC/L38)	130 (M12/L35) 150 (1/2"UNC/L38)	130 (M12/L40) 150 (1/2"UNC/L44)	295 (M16/L50) 295 (5/8"UNC/L44)	295 (M16/L50) 295 (5/8"UNC/L51)	295 (M16/L50) 295 (5/8"UNC/L51)	✓	-12, -16, -24	
	70 (M10/L35) 60 (3/8"UNC/L38)	130 (M12/L45) 92 (7/16"UNC/L44)	130 (M12/L45) 150 (1/2"UNC/L44)	295 (M16/L55) 295 (5/8"UNC/L57)	550 (M20/L70) 450 (3/4"UNC/L70)	-	-	-	-	✓	-12, -16, -20	
	70 (M10/L40) 3/8"UNC/L38)	130 (M12/L50) 7/16"UNC/L51)	180 (M14-M12/L55) 1/2"UNC/L57)	290 (M16/L65) 5/8"UNC/L63)	450 (M20/L90) 3/4"UNC/L88)	-	-	-	-	-	✓ (DEDICATED)	
	70 (M10/L35) 60 (3/8"UNC/L38)	130 (M12/L45) 92 (7/16"UNC/L44)	130 (M12/L45) 150 (1/2"UNC/L44)	295 (M16/L55) 295 (5/8"UNC/L57)	550 (M20/L70) 450 (3/4"UNC/L70)	-	-	-	-	✓	✓	
	70 (M10/L45) 60 (3/8"UNC/L44)	130 (M12/L45) 92 (7/16"UNC/L44)	130 (M12/L50) 150 (1/2"UNC/L51)	295 (M16/L60) 295 (5/8"UNC/L63)	550 (M20/L70) 450 (3/4"UNC/L70)	-	-	-	-	✓	-12, -16, -20	
	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	130 (M12/L40) 150 (1/2"UNC/L44)	-	-	-	✓	-	

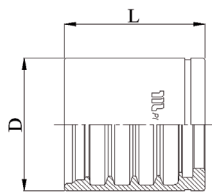
FERRULE



M05400

NO-SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES (4 PLY)

PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	Size	inch			D	L				
M05400-12	19	- 12	3/4"			43,8	53,3				
M05400-16	25	- 16	1"			52,0	64,3				
M05400-20	31	- 20	1.1/4"			59,3	72,0				
M05400-24	38	- 24	1.1/2"			68,5	78,0				
M05400-32	51	- 32	2"			84,6	97,1				
M05400-40	63	- 40	2.1/2"			97,0	116,0				
M05400-48	76	- 48	3"			109,8	124,0				
M05400-56	89	- 56	3.1/2"			127,7	123,5				
M05400-64	102	- 64	4"			145,0	126,5				



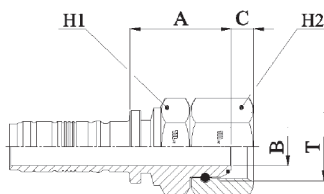
M05500

NO-SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES (4-6 PLY)

PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	Size	inch			D	L				
M05500-20	31	- 20	1.1/4"			66,0	70,0				
M05500-24	38	- 24	1.1/2"			75,0	79,0				
M05500-32	51	- 32	2"			90,0	98,1				

SPIRALFIT TYPE

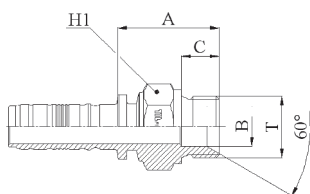
BS STANDARD CONNECTIONS



M80812

BSP O-RING FEMALE 60° CONE - BS5200 / ISO 12151-6

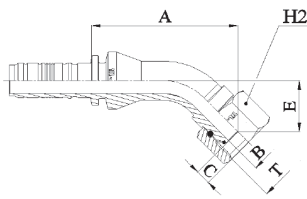
PART. REF.	HOSE BORE			Thread	DIMENSIONS mm					
	DN	Size	inch		T	B	A	C	H1	H2
M80812-12-12	19	- 12	3/4"	3/4" - 14	14,5	39,3	8,5	32,0	32,0	
M80812-12-16	19	- 12	3/4"	1" - 11	19,5	44,1	10,6	41,0	41,0	
M80812-16-12	25	- 16	1"	3/4" - 14	15,0	44,3	8,5	41,0	32,0	
M80812-16-16	25	- 16	1"	1" - 11	19,5	45,3	10,6	41,0	41,0	
M80812-16-20	25	- 16	1"	1.1/4" - 11	26,1	50,4	10,1	50,0	50,0	
M80812-20-16	31	- 20	1.1/4"	1" - 11	19,0	48,2	10,5	50,0	41,0	
M80812-20-20	31	- 20	1.1/4"	1.1/4" - 11	26,1	50,7	10,5	50,0	50,0	
M80812-20-24	31	- 20	1.1/4"	1.1/2" - 11	32,1	49,8	12,5	50,0	60,0	
M80812-24-20	38	- 24	1.1/2"	1.1/4" - 11	26,1	51,9	10,5	55,0	50,0	
M80812-24-24	38	- 24	1.1/2"	1.1/2" - 11	32,1	52,0	12,5	60,0	60,0	
M80812-32-32	51	- 32	2"	2" - 11	42,0	53,5	16,1	70,0	70,0	



M70510

BSP MALE PARALLEL 60° CONE SEAT - BS5200 / ISO 12151-6

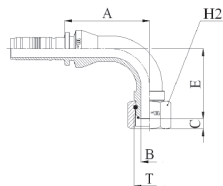
PART. REF.	HOSE BORE			Thread	DIMENSIONS mm					
	DN	Size	inch		T	B	A	C	H1	
M70510-12-12	19	- 12	3/4"	3/4" - 14	16,8	43,4	16,0	32,0		
M70510-12-16	19	- 12	3/4"	1" - 11	22,2	49,6	19,0	41,0		
M70510-16-16	25	- 16	1"	1" - 11	22,2	50,8	19,0	41,0		
M70510-16-20	25	- 16	1"	1.1/4" - 11	28,5	55,8	20,0	50,0		
M70510-20-20	31	- 20	1.1/4"	1.1/4" - 11	28,5	56,5	20,0	50,0		
M70510-24-24	38	- 24	1.1/2"	1.1/2" - 11	33,5	60,7	22,0	55,0		
M70510-32-32	51	- 32	2"	2" - 11	42,0	63,8	25,0	70,0		



M80842

45° BSP O-RING FEMALE SWEPT ELBOW 60° CONE BS5200 / ISO 12151-6

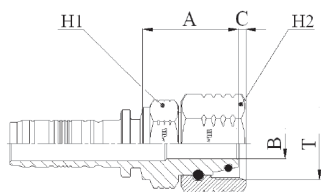
PART. REF.	HOSE BORE			Thread		DIMENSIONS mm				
	DN	Size	inch			T	B	A	C	E
M80842-12-12	19	- 12	3/4"	3/4" - 14		14,5	82,5	8,5	29,0	32,0
M80842-12-16	19	- 12	3/4"	1" - 11		19,5	84,0	10,6	30,0	41,0
M80842-16-12	25	- 16	1"	3/4" - 14		15,0	106,3	8,5	36,0	32,0
M80842-16-16	25	- 16	1"	1" - 11		19,5	95,0	10,6	36,5	41,0
M80842-16-16028	25	- 16	1"	1" - 11		19,5	84,0	10,6	28,0	41,0
M80842-16-20	25	- 16	1"	1.1/4" - 11		26,1	109,5	10,1	38,0	50,0
M80842-20-16	31	- 20	1.1/4"	1" - 11		19,5	101,9	10,6	36,5	41,0
M80842-20-20	31	- 20	1.1/4"	1.1/4" - 11		26,0	99,0	10,5	39,0	50,0
M80842-20-24	31	- 20	1.1/4"	1.1/2" - 11		32,0	114,0	12,5	54,0	60,0
M80842-24-24	38	- 24	1.1/2"	1.1/2" - 11		32,0	112,5	12,5	45,0	60,0
M80842-32-32	51	- 32	2"	2" - 11		42,0	155,0	16,1	66,0	70,0



M80892

90° BSP O-RING FEMALE SWEPT ELBOW 60° CONE - BS5200 / ISO 12151-6

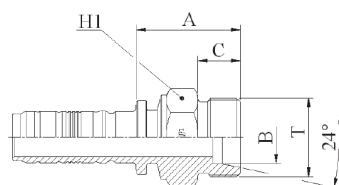
PART. REF.	HOSE BORE			Thread		DIMENSIONS mm				
	DN	Size	inch			T	B	A	C	E
M80892-12-12	19	- 12	3/4"	3/4" - 14		14,5	73,5	8,5	60,0	32,0
M80892-12-12050	19	- 12	3/4"	3/4" - 14		14,5	67,5	8,5	50,0	32,0
M80892-12-16	19	- 12	3/4"	1" - 11		19,5	73,5	10,6	62,0	41,0
M80892-16-12	25	- 16	1"	3/4" - 14		15,0	89,8	8,5	70,0	32,0
M80892-16-16	25	- 16	1"	1" - 11		19,5	83,0	10,6	76,0	41,0
M80892-16-16058	25	- 16	1"	1" - 11		19,5	74,5	10,6	58,5	41,0
M80892-16-20	25	- 16	1"	1.1/4" - 11		26,1	96,0	10,1	78,5	50,0
M80892-20-16	31	- 20	1.1/4"	1" - 11		19,5	90,2	10,6	76,0	41,0
M80892-20-20	31	- 20	1.1/4"	1.1/4" - 11		26,0	88,0	10,5	83,5	50,0
M80892-20-24	31	- 20	1.1/4"	1.1/2" - 11		32,0	88,0	12,5	92,0	60,0
M80892-24-24	38	- 24	1.1/2"	1.1/2" - 11		32,0	103,0	12,5	98,5	60,0
M80892-32-32	51	- 32	2"	2" - 11		42,0	135,9	16,1	140,5	70,0



M81612

METRIC O-RING FEMALE 24° CONE HEAVY DUTY - DIN 20066 / ISO 12151-2

PART. REF.	HOSE BORE			Thread	Pipe	DIMENSIONS mm					
	DN	Size	inch			T	mm	B	A	C	H1
M81612-12-30	19	- 12	3/4"	M 30x2	20,0	12,5	49,4	3,2	32,0	36,0	
M81612-12-36	19	- 12	3/4"	M 36x2	25,0	14,5	51,9	4,1	36,0	41,0	
M81612-12-42	19	- 12	3/4"	M 42x2	30,0	19,5	52,6	6,1	41,0	50,0	
M81612-16-36	25	- 16	1"	M 36x2	25,0	16,0	56,0	4,1	41,0	41,0	
M81612-16-42	25	- 16	1"	M 45x2	30,0	19,5	54,6	6,1	41,0	50,0	
M81612-16-52	25	- 16	1"	M 52x2	38,0	25,0	56,2	8,8	50,0	60,0	
M81612-20-42	31	- 20	1.1/4"	M 42x2	30,0	19,5	56,1	6,1	46,0	50,0	
M81612-20-52	31	- 20	1.1/4"	M 52x2	38,0	25,0	56,9	9,7	50,0	50,0	
M81612-24-52	38	- 24	1.1/2"	M 52x2	38,0	26,1	58,1	8,8	55,0	50,0	

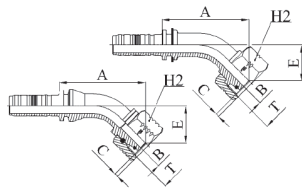


M71210

METRIC MALE 24° CONE SEAT HEAVY DUTY - DIN 20066 / ISO 12151-2

PART. REF.	HOSE BORE			Thread	Pipe	DIMENSIONS mm				
	DN	Size	inch			T	mm	B	A	C
M71210-12-30	19	- 12	3/4"	M 30x2	20,0	14,5	39,6	16,0	32,0	
M71210-12-36	19	- 12	3/4"	M 36x2	25,0	14,5	44,5	18,0	36,0	
M71210-16-36	25	- 16	1"	M 36x2	25,0	19,5	45,8	18,0	36,0	
M71210-16-42	25	- 16	1"	M 42x2	30,0	19,5	47,7	20,0	46,0	
M71210-20-52	31	- 20	1.1/4"	M 52x2	38,0	25,0	55,1	22,0	55,0	
M71210-24-52	38	- 24	1.1/2"	M 52x2	38,0	30,5	55,6	22,0	55,0	

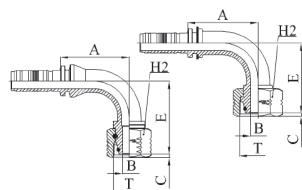
M81642/M81643



45° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY DIN 20066 / ISO 12151-2

PART. REF.	HOSE BORE			Thread	Pipe	DIMENSIONS mm					
	DN	Size	inch			T	mm	B	A	C	E
M81642-12-30	19	- 12	3/4"	M 30x2	20,0	12,5	80,0	3,2	35,0	36,0	
M81643-12-36	19	- 12	3/4"	M 36x2	25,0	14,5	82,0	3,4	33,5	41,0	
M81642-16-36	25	- 16	1"	M 36x2	25,0	15,0	103,0	4,1	44,5	41,0	
M81643-16-42	25	- 16	1"	M 42x2	30,0	19,5	94,0	5,3	36,0	50,0	
M81642-20-42	31	- 20	1.1/4"	M 42x2	30,0	19,1	117,5	6,1	43,8	50,0	
M81643-20-52	31	- 20	1.1/4"	M 52x2	38,0	26,1	111,0	8,0	40,0	60,0	

M81692/M81693

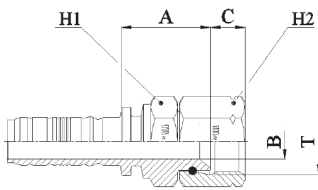


90° METRIC O-RING FEMALE SWEPT ELBOW 24° CONE HEAVY DUTY DIN 20066 / ISO 12151-2

PART. REF.	HOSE BORE			Thread	Pipe	DIMENSIONS mm					
	DN	Size	inch			T	mm	B	A	C	E
M81692-12-30	19	- 12	3/4"	M 30x2	20,0	12,5	64,5	3,2	68,5	36,0	
M81693-12-36	19	- 12	3/4"	M 36x2	25,0	14,5	68,0	3,4	67,5	41,0	
M81692-16-36	25	- 16	1"	M 36x2	25,0	15,0	83,0	4,1	87,5	41,0	
M81693-16-42	25	- 16	1"	M 42x2	30,0	19,5	82,5	5,3	75,5	50,0	
M81692-20-42	31	- 20	1.1/4"	M 42x2	30,0	19,1	101,9	6,1	90,0	50,0	
M81693-20-52	31	- 20	1.1/4"	M 52x2	38,0	26,1	101,0	8,0	86,5	60,0	

SPIRALFIT TYPE

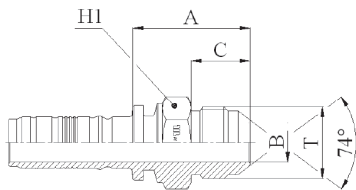
SAE STANDARD CONNECTIONS



M82712

JIC FEMALE 37° CONE SEAT DOUBLE HEXAGON SAE J516 / ISO 12151-5 (THRUST-WIRE NUT)

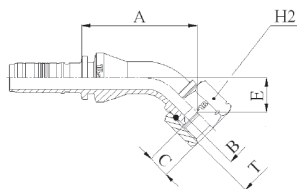
PART. REF.	HOSE BORE			Thread	DIMENSIONS mm					
	DN	Size	inch		T	B	A	C	H1	H2
M82712-12-12	19	- 12	3/4"	1.1/16" - 12	14,5	36,5	14,2	32,0	32,0	
M82712-12-16	19	- 12	3/4"	1.5/16" - 12	19,5	36,7	15,2	32,0	41,0	
M82712-16-16	25	- 16	1"	1.5/16" - 12	19,5	41,6	15,2	41,0	41,0	
M82712-16-20	25	- 16	1"	1.5/8" - 12	26,1	46,7	16,2	41,0	50,0	
M82712-20-20	31	- 20	1.1/4"	1.5/8" - 12	26,1	51,4	16,2	50,0	50,0	
M82712-20-24	31	- 20	1.1/4"	1.7/8" - 12	32,0	54,7	18,8	55,0	60,0	
M82712-24-24	38	- 24	1.1/2"	1.7/8" - 12	32,1	54,5	18,8	55,0	60,0	
M82712-32-32	51	- 32	2"	2.1/2" - 12	42,0	56,1	24,0	65,0	75,0	



M72510

JIC MALE 37° CONE - SAE J516 / ISO 12151-5

PART. REF.	HOSE BORE			Thread	DIMENSIONS mm					
	DN	Size	inch		T	B	A	C	H1	
M72510-12-12	19	- 12	3/4"	1.1/16" - 12	14,5	44,3	22,0	30,0		
M72510-16-16	25	- 16	1"	1.5/16" - 12	19,5	51,4	23,0	38,0		
M72510-20-20	31	- 20	1.1/4"	1.5/8" - 12	26,1	56,0	24,3	46,0		
M72510-24-24	38	- 24	1.1/2"	1.7/8" - 12	32,1	60,1	27,5	50,0		
M72510-32-32	51	- 32	2"	2.1/2" - 12	42,0	75,7	34,0	65,0		



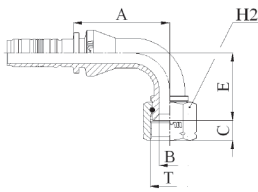
M82542

45° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5

PART. REF.	HOSE BORE			Thread	DIMENSIONS mm					
	DN	Size	inch		T	B	A	C	E	H2
M82542-12-12	19	- 12	3/4"	1.1/16" - 12	14,5	75,0	14,2	22,5	32,0	
M82542-16-16	25	- 16	1"	1.5/16" - 12	19,5	81,5	15,2	26,0	41,0	
M82542-20-20	31	- 20	1.1/4"	1.5/8" - 12	26,0	41,5	16,2	101,0	50,0	
M82542-24-24	38	- 24	1.1/2"	1.7/8" - 12	32,1	121,3	18,8	48,5	60,0	
M82542-32-32	51	- 32	2"	2.1/2" - 12	42,0	161,9	24,0	63,7	75,0	

SPIRALFIT TYPE

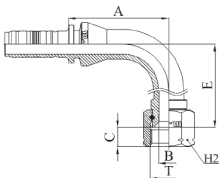
SAE STANDARD CONNECTIONS



M82592

90° JIC FEMALE SWEPT ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5

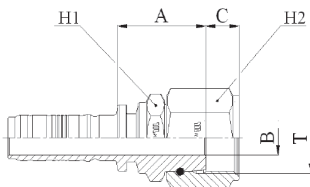
PART. REF.	HOSE BORE			Thread	DIMENSIONS mm					
	DN	Size	inch		T	B	A	C	E	H2
M82592-12-12	19	- 12	3/4"	1.1/16" - 12	14,5	67,5	14,2	47,5	32,0	
M82592-12-16	19	- 12	3/4"	1.5/16" - 12	19,8	73,5	15,2	57,5	41,0	
M82592-16-16	25	- 16	1"	1.5/16" - 12	19,5	74,5	15,2	55,5	41,0	
M82592-20-20	31	- 20	1.1/4"	1.5/8" - 12	26,0	88,0	16,2	86,5	50,0	
M82592-20-24	31	- 20	1.1/4"	1.7/8" - 12	32,0	88,0	18,8	90,5	60,0	
M82592-24-24	38	- 24	1.1/2"	1.7/8" - 12	32,1	104,9	18,8	101,0	60,0	
M82592-32-32	51	- 32	2"	2.1/2" - 12	42,0	145,0	24,0	139,0	75,0	



M84792

90° JIC FEMALE LONG DROP ELBOW 37° CONE SEAT - SAE J516 / ISO 12151-5

PART. REF.	HOSE BORE			Thread	DIMENSIONS mm					
	DN	Size	inch		T	B	A	C	E	H2
M84792-12-12	19	- 12	3/4"	1.1/16" - 12	15,0	73,5	14,2	95,4	32,0	
M84792-16-16	25	- 16	1"	1.5/16" - 12	19,5	81,0	15,2	114,0	38,0	
M84792-24-24	38	- 24	1.1/2"	1.7/8" - 12	32,1	104,9	18,8	141,0	60,0	
M84792-32-32	38	- 24	1.1/2"	2.1/2" - 12	42,0	145,0	24,0	222,0	75,0	



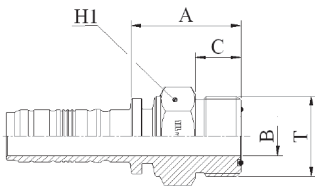
M82412

ORFS FEMALE SAE J516/ISO 12151.1

PART. REF.	HOSE BORE			Thread	DIMENSIONS mm					
	DN	Size	inch		T	B	A	C	H1	H2
M82412-12-12	19	- 12	3/4"	1.3/16" - 12	14,5	37,8	14,9	32,0	36,0	
M82412-16-16	25	- 16	1"	1.7/16" - 12	19,5	42,0	15,0	41,0	46,0	
M82412-20-20	31	- 20	1.1/4"	1.11/16" - 12	25,0	52,3	15,0	41,0	55,0	
M82412-24-24	38	- 24	1.1/2"	2" - 12	30,5	54,8	15,0	60,0	60,0	

SPIRALFIT TYPE

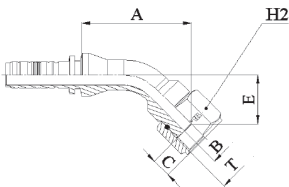
SAE STANDARD CONNECTIONS



M72410

ORFS MALE - SAE J516 / ISO 12151-1

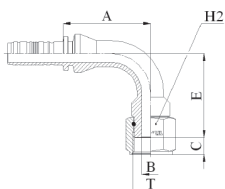
PART. REF.	HOSE BORE			Thread	T	DIMENSIONS mm				
	DN	Size	inch			B	A	C	H1	
M72410-12-12	19	- 12	3/4"	1.3/16" - 12	14,5	41,2	17,0	32,0		
M72410-16-16	25	- 16	1"	1.7/16" - 12	19,5	45,8	17,5	41,0		
M72410-20-20	31	- 20	1.1/4"	1.11/16" - 12	26,0	50,6	17,5	46,0		
M72410-24-24	38	- 24	1.1/2"	2" - 12	32,0	52,9	17,5	55,0		



M82442

45° ORFS FEMALE SWEPT ELBOW SAE J516/ISO 12151-1

PART. REF.	HOSE BORE			Thread	T	DIMENSIONS mm				
	DN	Size	inch			B	A	C	E	H2
M82442-12-12	19	- 12	3/4"	1.3/16" - 12	14,5	90,0	14,9	36,0	36,0	
M82442-16-16	25	- 16	1"	1.7/16" - 12	19,5	101,0	15,0	42,5	46,0	
M82442-20-20	31	- 20	1.1/4"	1.11/16" - 12	25,0	120,0	15,0	49,5	55,0	
M82442-24-24	38	- 24	1.1/2"	2" - 12	32,0	123,3	15,0	50,5	60,0	



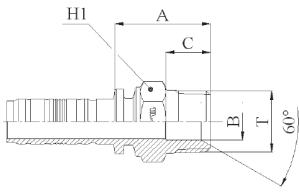
M82492

90° ORFS FEMALE SWEPT ELBOW SAE J516/ISO 12151-1

PART. REF.	HOSE BORE			Thread	T	DIMENSIONS mm				
	DN	Size	inch			B	A	C	E	H2
M82492-12-12	19	- 12	3/4"	1.3/16" - 12	14,5	73,5	14,9	70,3	36,0	
M82492-16-16	25	- 16	1"	1.7/16" - 12	19,5	83,0	15,0	84,5	46,0	
M82492-20-20	31	- 20	1.1/4"	1.11/16" - 12	25,0	99,0	15,0	98,0	55,0	
M82492-24-24	38	- 24	1.1/2"	2" - 12	32,0	104,9	15,0	104,0	60,0	

SPIRALFIT TYPE

SAE STANDARD CONNECTIONS



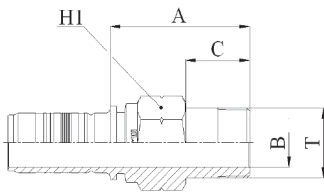
M72810

NPTF MALE 60° CONE SEAT - SAE J516/J514

PART. REF.	HOSE BORE			Thread	T	DIMENSIONS mm				
	DN	Size	inch			B	A	C	H1	
M72810-12-12	19	- 12	3/4"	3/4" - 14	16,0	41,5	19,2	30,0		
M72810-16-16	25	- 16	1"	1" - 11,5	19,5	51,8	24,2	38,0		
M72810-20-20	31	- 20	1.1/4"	1.1/4" - 11,5	25,0	61,3	25,0	46,0		
M72810-24-24	38	- 24	1.1/2"	1.1/2" - 11,5	30,5	60,6	26,0	50,0		
M72810-32-32	51	- 32	2"	2" - 11,5	41,0	67,7	26,5	65,0		

SPIRALFIT TYPE

NPT CONNECTIONS



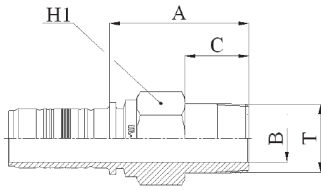
M73510

NPT MALE (ASME B1.20.1 THREAD)

PART. REF.	HOSE BORE			Thread	T	DIMENSIONS mm				
	DN	Size	inch			B	A	C	H1	
M73510-32-32	51	- 32	2"	2" - 11,5	41,0	120,4	55,2	70,0		

SPIRALFIT TYPE

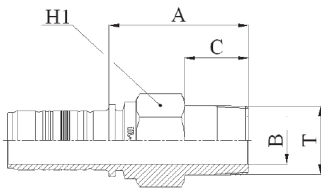
API CONNECTION



M73410

**API MALE WITH HEXAGONAL BODY - API 5B LINE PIPE THREAD
(AISI 4130 STEEL)**

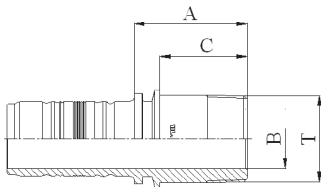
PART. REF.	HOSE BORE			Thread	T	DIMENSIONS mm				
	DN	Size	inch			B	A	C	H1	
M73410-32-32	51	- 32	2"	2" - 11,5	41,0	120,4	55,0	70,0		



M73410CS

**API MALE WITH HEXAGONAL BODY - API 5B LINE PIPE THREAD
(STANDARD CARBON STEEL)**

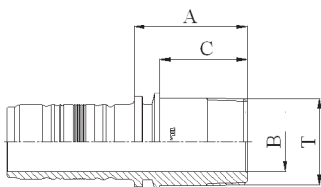
PART. REF.	HOSE BORE			Thread	T	DIMENSIONS mm				
	DN	Size	inch			B	A	C	H1	
M73410-32-32CS	51	- 32	2"	2" - 11,5	41,0	120,4	55,0	70,0		



M73410H00

**API MALE WITH CYLINDRICAL BODY - API 5B LINE PIPE THREAD
(AISI 4130 STEEL)**

PART. REF.	HOSE BORE			Thread	T	DIMENSIONS mm				
	DN	Size	inch			B	A	C		
M73410-32-32H00	51	- 32	2"	2" - 11,5	41,0	77,8	60,0			



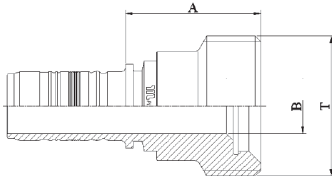
M73410H00CS

**API MALE WITH CYLINDRICAL BODY - API 5B LINE PIPE THREAD
(STANDARD CARBON STEEL)**

PART. REF.	HOSE BORE			Thread	T	DIMENSIONS mm				
	DN	Size	inch			B	A	C		
M73410-32-32H00CS	51	- 32	2"	2" - 11,5	41,0	77,8	60,0			

SPIRALFIT TYPE

UNION FITTING

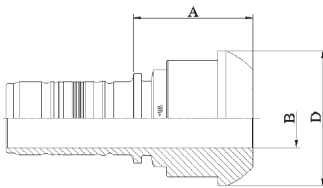


M85610

UNION FITTING FIG. 1502 (FEMALE SUB)

PART. REF.	HOSE BORE			Thread	DIMENSIONS mm					
	DN	Size	inch		T	B	A			
M85610-32-32	51	- 32	2"	4.1/8" - 3 ACME	41,0	101,0				

PROVIDE WITHOUT SHAPED SEAL



M75610

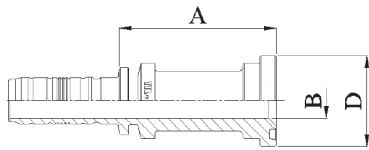
UNION FITTING FIG.1502 (MALE SUB)

PART. REF.	HOSE BORE					DIMENSIONS mm				
	DN	Size	inch			B	A	D		
M75610-32-32	51	- 32	2"			41,0	82,7	94,0		

PROVIDE WITHOUT WING NUT

SPIRALFIT TYPE

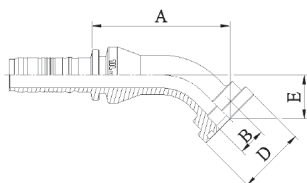
SAE STANDARD CONNECTIONS



M83311

ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3

PART. REF.	HOSE BORE			Flange	DIMENSIONS mm						
	DN	Size	inch		Inch	B	A	D			
M83311-12-12	19	- 12	3/4"	3/4"		14,5	66,4	38,0			
M83311-12-16	19	- 12	3/4"	1"		19,5	52,5	44,6			
M83311-16-12	25	- 16	1"	3/4"		14,5	67,6	38,0			
M83311-16-16	25	- 16	1"	1"		19,5	67,6	44,6			
M83311-16-20	25	- 16	1"	1.1/4"		26,0	53,6	51,0			
M83311-20-20	31	- 20	1.1/4"	1.1/4"		26,0	55,2	51,0			
M83311-20-24	31	- 20	1.1/4"	1.1/2"		32,0	60,2	60,5			
M83311-24-24	38	- 24	1.1/2"	1.1/2"		32,0	78,6	60,5			
M83311-24-32	38	- 24	1.1/2"	2"		41,0	60,6	71,6			
M83311-32-32	51	- 32	2"	2"		42,0	82,6	71,6			
M83311-40-40	63	- 40	2.1/2"	2.1/2"		51,5	93,0	84,3			
M83311-48-48	76	- 48	3"	3"		62,5	88,5	101,6			
M83311-56-56	89	- 56	3.1/2"	3.1/2"		76,0	98,3	114,3			
M83311-64-64	102	- 64	4"	4"		89,0	104,9	127,0			



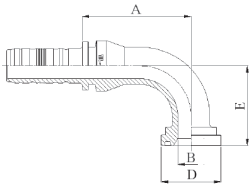
M83341

45° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3

PART. REF.	HOSE BORE			Flange	DIMENSIONS mm						
	DN	Size	inch		Inch	B	A	D	E		
M83341-12-12	19	- 12	3/4"	3/4"		16,0	78,0	38,0	24,5		
M83341-12-16	19	- 12	3/4"	1"		19,5	78,0	44,6	24,5		
M83341-16-16	25	- 16	1"	1"		19,5	86,5	44,6	26,5		
M83341-16-20	25	- 16	1"	1.1/4"		26,0	92,0	51,0	32,0		
M83341-20-20	31	- 20	1.1/4"	1.1/4"		26,0	87,5	51,0	29,0		
M83341-20-24	31	- 20	1.1/4"	1.1/2"		32,0	88,5	60,5	30,0		
M83341-24-24	38	- 24	1.1/2"	1.1/2"		32,0	102,3	60,5	38,0		
M83341-24-32	38	- 24	1.1/2"	2"		42,0	102,3	71,6	38,0		
M83341-32-32	51	- 32	2"	2"		42,0	143,6	71,6	52,0		
M83341-40-40	63	- 40	2.1/2"	2.1/2"		52,0	99,0	84,3	46,0		
M83341-48-48	76	- 48	3"	3"		61,0	121,5	101,6	53,5		
M83341-56-56	89	- 56	3.1/2"	3.1/2"		79,0	141,5	114,3	65,5		

SPIRALFIT TYPE

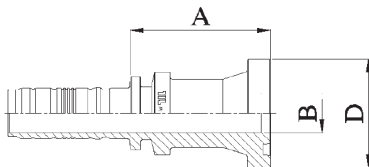
SAE STANDARD CONNECTIONS



M83391

90° ISO/SAE CODE 61 FLANGE - SAE J516 / ISO 12151-3

PART. REF.	HOSE BORE		Flange		DIMENSIONS mm					
	DN	Size	inch	Inch	B	A	D	E		
M83391-12-12	19	- 12	3/4"	3/4"	16,0	72,5	38,0	58,0		
M83391-12-16	19	- 12	3/4"	1"	19,5	72,5	44,6	70,0		
M83391-12-16054	19	- 12	3/4"	1"	19,5	72,5	44,6	54,0		
M83391-16-16	25	- 16	1"	1"	19,5	82,0	44,6	60,0		
M83391-16-20	25	- 16	1"	1.1/4"	26,0	82,0	51,0	68,0		
M83391-20-16	31	- 20	1.1/4"	1"	19,5	86,0	44,6	60,0		
M83391-20-20	31	- 20	1.1/4"	1.1/4"	26,0	85,0	51,0	67,0		
M83391-20-24	31	- 20	1.1/4"	1.1/2"	32,0	85,0	60,5	69,0		
M83391-24-24	38	- 24	1.1/2"	1.1/2"	32,0	96,5	60,5	81,0		
M83391-24-32	38	- 24	1.1/2"	2"	42,0	101,5	71,6	84,0		
M83391-32-32	51	- 32	2"	2"	42,0	135,5	71,6	120,0		
M83391-40-40	63	- 40	2.1/2"	2.1/2"	52,0	98,0	84,3	119,5		
M83391-48-48	76	- 48	3"	3"	61,0	123,5	101,6	140,0		
M83391-56-56	89	- 56	3.1/2"	3"	79,0	143,0	114,3	160,0		



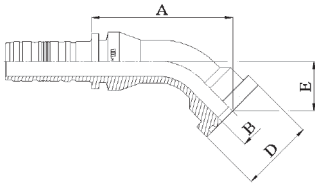
M83611

ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3

PART. REF.	HOSE BORE		Flange		DIMENSIONS mm					
	DN	Size	inch	Inch	B	A	D			
M83611-12-12	19	- 12	3/4"	3/4"	14,5	53,4	41,4			
M83611-12-16	19	- 12	3/4"	1"	19,5	59,5	47,7			
M83611-16-12	25	- 16	1"	3/4"	16,0	62,6	41,4			
M83611-16-16	25	- 16	1"	1"	19,5	63,6	47,7			
M83611-16-20	25	- 16	1"	1.1/4"	26,0	69,9	54,2			
M83611-20-16	31	- 20	1.1/4"	1"	19,5	62,2	47,7			
M83611-20-20	31	- 20	1.1/4"	1.1/4"	26,0	66,2	54,2			
M83611-20-24	31	- 20	1.1/4"	1.1/2"	32,0	74,4	63,7			
M83611-24-20	38	- 24	1.1/2"	1.1/4"	26,0	66,5	54,2			
M83611-24-24	38	- 24	1.1/2"	1.1/2"	32,0	74,5	63,7			
M83611-24-32	38	- 24	1.1/2"	2"	42,0	88,5	79,6			
M83611-32-24	51	- 32	2"	1.1/2"	32,0	91,6	63,7			
M83611-32-32	51	- 32	2"	2"	42,0	91,6	79,6			

SPIRALFIT TYPE

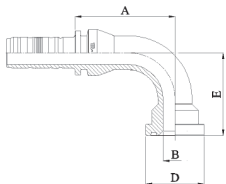
SAE STANDARD CONNECTIONS



M83641

45° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3

PART. REF.	HOSE BORE			Flange	DIMENSIONS mm						
	DN	Size	inch		Inch	B	A	D	E		
M83641-12-12	19	- 12	3/4"	3/4"		16,0	81,5	41,4	28,0		
M83641-16-12	25	- 16	1"	3/4"		16,0	87,5	41,5	28,0		
M83641-16-16	25	- 16	1"	1"		19,5	92,0	47,7	32,5		
M83641-16-20	25	- 16	1"	1.1/4"		26,0	97,0	54,2	37,0		
M83641-20-16	31	- 20	1.1/4"	1"		19,5	95,6	47,7	31,5		
M83641-20-20	31	- 20	1.1/4"	1.1/4"		26,0	96,5	54,2	38,0		
M83641-20-24	31	- 20	1.1/4"	1.1/2"		32,0	104,6	63,7	44,5		
M83641-24-20	38	- 24	1.1/2"	1.1/4"		26,0	110,5	54,2	38,0		
M83641-24-24	38	- 24	1.1/2"	1.1/2"		32,0	109,7	63,7	44,0		
M83641-24-32	38	- 24	1.1/2"	2"		42,0	121,6	79,6	56,0		
M83641-32-32	51	- 32	2"	2"		42,0	148,0	79,6	59,0		



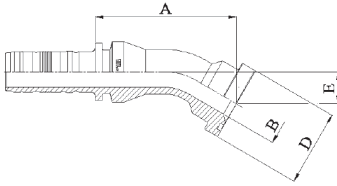
M83691

90° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3

PART. REF.	HOSE BORE			Flange	DIMENSIONS mm						
	DN	Size	inch		Inch	B	A	D	E		
M83691-12-12	19	- 12	3/4"	3/4"		16,0	72,5	41,4	59,0		
M83691-16-12	25	- 16	1"	3/4"		16,0	82,0	41,5	62,0		
M83691-16-16	25	- 16	1"	1"		19,5	82,0	47,7	68,0		
M83691-16-20	25	- 16	1"	1.1/4"		26,0	82,0	54,2	90,0		
M83691-16-20075	25	- 16	1"	1.1/4"		26,0	82,0	54,2	75,0		
M83691-20-16	31	- 20	1.1/4"	1"		19,5	86,2	47,7	47,6		
M83691-20-20	31	- 20	1.1/4"	1.1/4"		26,0	84,9	54,2	90,0		
M83691-20-24	31	- 20	1.1/4"	1.1/2"		32,0	84,9	63,7	104,0		
M83691-24-20	38	- 24	1.1/2"	1.1/4"		26,0	99,0	54,2	90,0		
M83691-24-24	38	- 24	1.1/2"	1.1/2"		32,0	97,9	63,7	104,0		
M83691-24-32	38	- 24	1.1/2"	2"		42,0	97,9	79,6	137,8		
M83691-32-32	51	- 32	2"	2"		42,0	135,9	79,6	138,0		

SPIRALFIT TYPE

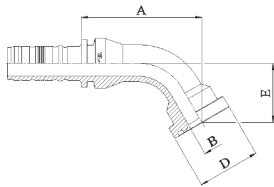
SAE STANDARD CONNECTIONS



M83631

30° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3

PART. REF.	HOSE BORE			Flange	DIMENSIONS mm					
	DN	Size	inch		B	A	D	E		
M83631-12-12	19	- 12	3/4"	3/4"	16,0	78,5	41,4	17,5		
M83631-16-16	25	- 16	1"	1"	19,5	89,0	47,7	20,0		
M83631-20-20	31	- 20	1.1/4"	1.1/4"	26,0	90,7	54,2	22,5		
M83631-24-24	38	- 24	1.1/2"	1.1/2"	32,0	104,5	63,7	27,0		
M83631-32-32	51	- 32	2"	2"	42,0	139,5	79,6	35,0		



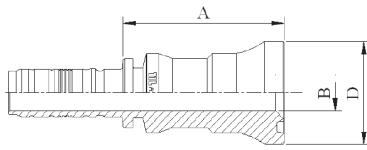
M83661

60° ISO/SAE CODE 62 FLANGE - SAE J516 / ISO 12151-3

PART. REF.	HOSE BORE			Flange	DIMENSIONS mm					
	DN	Size	inch		B	A	D	E		
M83661-12-12	19	- 12	3/4"	3/4"	16,0	81,0	41,4	39,0		
M83661-12-16	19	- 12	3/4"	1"	19,5	84,0	47,7	44,0		
M83661-16-16	25	- 16	1"	1"	19,5	92,0	47,7	45,0		
M83661-20-20	31	- 20	1.1/4"	1.1/4"	26,0	97,5	54,2	55,0		
M83661-20-24	31	- 20	1.1/4"	1.1/2"	32,0	101,5	63,7	62,0		
M83661-24-24	38	- 24	1.1/2"	1.1/2"	32,0	110,5	63,7	61,5		
M83661-32-32	51	- 32	2"	2"	42,0	151,0	79,6	84,8		

SPIRALFIT TYPE

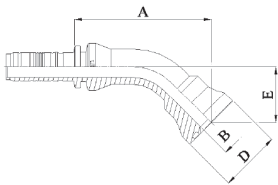
XTRAFRANGE/62



M88511

XTRAFRANGE/62 (SAE J518 -2/ ISO 6162-2 PORT COMPATIBLE)

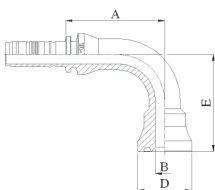
PART. REF.	HOSE BORE			Flange	DIMENSIONS mm						
	DN	Size	inch		Inch	B	A	D			
M88511-12-12	19	- 12	3/4"	3/4"		14,5	65,4	41,4			
M88511-16-16	25	- 16	1"	1"		19,5	69,2	47,7			
M88511-20-20	31	- 20	1.1/4"	1.1/4"		25,0	87,9	54,4			
M88511-24-24	38	- 24	1.1/2"	1.1/2"		30,5	102,0	63,7			
M88511-32-32	51	- 32	2"	2"		41,0	129,7	79,6			



M88541

45° XTRAFRANGE/62 (SAE J518 -2/ ISO 6162-2 PORT COMPATIBLE)

PART. REF.	HOSE BORE			Flange	DIMENSIONS mm						
	DN	Size	inch		Inch	B	A	D	E		
M88541-12-12	19	- 12	3/4"	3/4"		14,5	93,5	41,4	38,1		
M88541-16-16	25	- 16	1"	1"		19,5	103,5	47,7	45,0		
M88541-20-20	31	- 20	1.1/4"	1.1/4"		25,0	138,0	54,4	62,5		
M88541-24-24	38	- 24	1.1/2"	1.1/2"		30,5	155,0	63,7	71,7		
M88541-32-32	51	- 32	2"	2"		39,0	92,7	79,6	194,6		



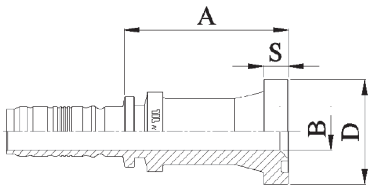
M88591

90° XTRAFRANGE/62 (SAE J518 -2/ ISO 6162-2 PORT COMPATIBLE)

PART. REF.	HOSE BORE			Flange	DIMENSIONS mm						
	DN	Size	inch		Inch	B	A	D	E		
M88591-12-12	19	- 12	3/4"	3/4"		14,5	76,5	41,4	75,0		
M88591-16-16	25	- 16	1"	1"		19,5	84,5	47,7	90,0		
M88591-20-20	31	- 20	1.1/4"	1.1/4"		25,0	107,0	54,4	120,0		
M88591-24-24	38	- 24	1.1/2"	1.1/2"		30,5	122,0	63,7	140,0		
M88591-32-32	51	- 32	2"	2"		39,0	148,7	79,6	178,0		

SPIRALFIT TYPE

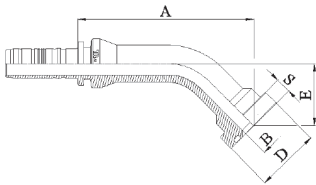
ORIGINAL EQUIPMENT CONNECTIONS



M83711

FLANGE PLUS (SAE J518 -2 /ISO 6162-2 PORT COMPATIBLE)

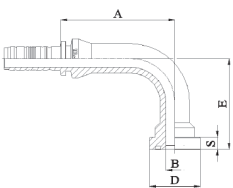
PART. REF.	HOSE BORE			Flange		DIMENSIONS mm				
	DN	Size	inch			Inch	B	A	D	S
M83711-12-12	19	- 12	3/4"	3/4"		14,5	65,0	41,4	10,0	
M83711-16-16	25	- 16	1"	1"		19,5	64,8	47,7	11,0	
M83711-20-20	31	- 20	1.1/4"	1.1/4"		25,0	81,2	54,2	12,0	



M83741

45° FLANGE PLUS (SAE J518-2/ISO 6162-2 PORT COMPATIBLE)

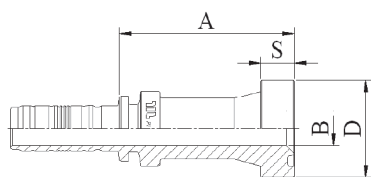
PART. REF.	HOSE BORE			Flange		DIMENSIONS mm				
	DN	Size	inch			Inch	B	A	D	E
M83741-12-12	19	- 12	3/4"	3/4"		14,5	114,0	41,4	40,0	10,0
M83741-16-16	25	- 16	1"	1"		19,5	107,5	47,7	43,0	11,0
M83741-20-20	31	- 20	1.1/4"	1.1/4"		25,0	133,6	54,2	50,0	12,0



M83791

90° FLANGE PLUS (SAE J518 -2/ ISO 6162-2 PORT COMPATIBLE)

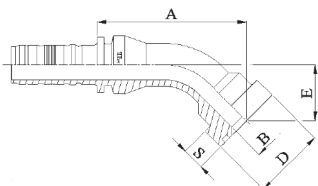
PART. REF.	HOSE BORE			Flange		DIMENSIONS mm				
	DN	Size	inch			Inch	B	A	D	E
M83791-12-12	19	- 12	3/4"	3/4"		14,5	93,5	41,4	75,0	10,0
M83791-16-16	25	- 16	1"	1"		19,5	91,0	47,7	90,0	11,0
M83791-20-20	31	- 20	1.1/4"	1.1/4"		25,0	115,0	54,2	110,0	12,0



M83911

STRAIGHT SUPERCAT SERIES FLANGE

PART. REF.	HOSE BORE		Flange		DIMENSIONS mm					
	DN	Size	inch	Inch	B	A	D	S		
M83911-12-12	19	- 12	3/4"	3/4"	14,5	75,0	41,5	14,3		
M83911-12-16	19	- 12	3/4"	1"	19,5	80,3	47,7	14,3		
M83911-16-16	25	- 16	1"	1"	19,5	80,0	47,7	14,3		
M83911-16-20	25	- 16	1"	1.1/4"	26,0	83,8	54,0	14,3		
M83911-20-20	31	- 20	1.1/4"	1.1/4"	26,0	80,7	54,0	14,3		
M83911-20-24	31	- 20	1.1/4"	1.1/2"	32,0	84,2	63,6	14,3		
M83911-24-24	38	- 24	1.1/2"	1.1/2"	32,0	84,4	63,6	14,3		
M83911-24-32	38	- 24	1.1/2"	2"	42,0	107,3	79,3	14,3		
M83911-32-24	51	- 32	2"	1.1/2"	32,0	95,5	63,6	14,3		
M83911-32-32	51	- 32	2"	2"	42,0	110,3	79,3	14,3		



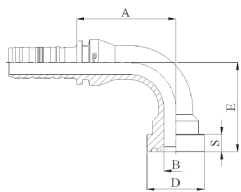
M83941

45° SUPERCAT SERIES FLANGE

PART. REF.	HOSE BORE		Flange		DIMENSIONS mm					
	DN	Size	inch	Inch	B	A	D	E	S	
M83941-12-12	19	- 12	3/4"	3/4"	16,0	91,5	41,5	34,5	14,3	
M83941-12-16	19	- 12	3/4"	1"	19,5	92,0	47,7	35,5	14,3	
M83941-16-16	25	- 16	1"	1"	19,5	98,0	47,7	36,5	14,3	
M83941-16-20	25	- 16	1"	1.1/4"	26,0	101,0	54,0	40,5	14,3	
M83941-20-20	31	- 20	1.1/4"	1.1/4"	26,0	109,0	54,0	40,2	14,3	
M83941-20-24	31	- 20	1.1/4"	1.1/2"	32,0	106,0	63,6	46,0	14,3	
M83941-24-24	38	- 24	1.1/2"	1.1/2"	32,0	111,0	63,6	45,3	14,3	
M83941-24-32	38	- 24	1.1/2"	2"	42,0	122,2	79,3	56,6	14,3	
M83941-32-32	51	- 32	2"	2"	42,0	150,4	79,3	61,4	14,3	

SPIRALFIT TYPE

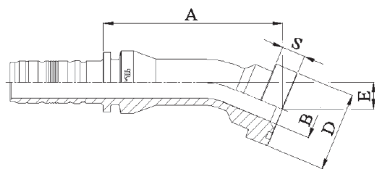
ORIGINAL EQUIPMENT CONNECTIONS



M83991

90° SUPERCAT SERIES FLANGE

PART. REF.	HOSE BORE			Flange	DIMENSIONS mm					
	DN	Size	inch		B	A	D	E	S	
M83991-12-12	19	- 12	3/4"	3/4"	16,0	76,0	41,5	68,5	14,3	
M83991-12-16	19	- 12	3/4"	1"	19,5	76,0	47,7	69,5	14,3	
M83991-16-16	25	- 16	1"	1"	19,5	82,0	47,7	73,5	14,3	
M83991-16-20	25	- 16	1"	1.1/4"	26,0	82,0	54,0	78,5	14,3	
M83991-20-20	31	- 20	1.1/4"	1.1/4"	26,0	94,0	54,0	82,0	14,3	
M83991-20-24	31	- 20	1.1/4"	1.1/2"	32,0	84,9	63,6	92,0	14,3	
M83991-24-24	38	- 24	1.1/2"	1.1/2"	32,0	97,9	63,6	96,2	14,3	
M83991-24-32	38	- 24	1.1/2"	2"	42,0	97,9	79,3	112,2	14,3	
M83991-32-32	51	- 32	2"	2"	42,0	135,9	79,3	133,7	14,3	



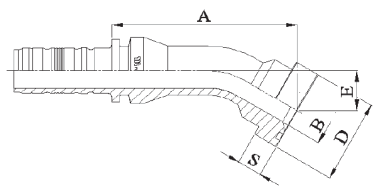
M83921

22,5° SUPERCAT SERIES FLANGE

PART. REF.	HOSE BORE			Flange	DIMENSIONS mm					
	DN	Size	inch		B	A	D	E	S	
M83921-12-12	19	- 12	3/4"	3/4"	16,0	101,5	41,5	16,0	14,3	
M83921-12-16	19	- 12	3/4"	1"	19,5	98,0	47,7	16,5	14,3	
M83921-16-16	25	- 16	1"	1"	19,5	108,5	47,7	16,5	14,3	
M83921-16-20	25	- 16	1"	1.1/4"	26,0	113,0	54,0	18,5	14,3	
M83921-20-20	31	- 20	1.1/4"	1.1/4"	26,0	120,5	54,0	17,8	14,3	
M83921-20-24	31	- 20	1.1/4"	1.1/2"	32,0	119,0	63,6	21,0	14,3	
M83921-24-24	38	- 24	1.1/2"	1.1/2"	32,0	123,5	63,6	20,0	14,3	

SPIRALFIT TYPE

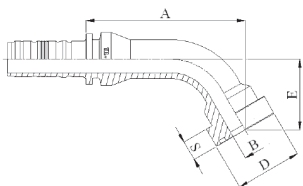
ORIGINAL EQUIPMENT CONNECTIONS



M83931

30° SUPERCAT SERIES FLANGE

PART. REF.	HOSE BORE		Flange		DIMENSIONS mm					
	DN	Size	inch	Inch	B	A	D	E	S	
M83931-12-12	19	- 12	3/4"	3/4"	16,0	99,0	41,5	22,0	14,3	
M83931-12-16	19	- 12	3/4"	1"	19,5	99,5	47,7	22,5	14,3	
M83931-16-16	25	- 16	1"	1"	19,5	106,0	47,7	23,0	14,3	
M83931-16-20	25	- 16	1"	1.1/4"	26,0	110,0	54,0	26,0	14,3	
M83931-20-20	31	- 20	1.1/4"	1.1/4"	26,0	117,5	54,0	24,9	14,3	
M83931-20-24	31	- 20	1.1/4"	1.1/2"	32,0	115,5	63,6	29,0	14,3	
M83931-24-24	38	- 24	1.1/2"	1.1/2"	32,0	120,5	63,6	28,0	14,3	
M83931-24-32	38	- 24	1.1/2"	2"	42,0	134,3	79,3	36,0	14,3	
M83931-32-32	51	- 32	2"	2"	42,0	163,5	79,3	37,5	14,3	



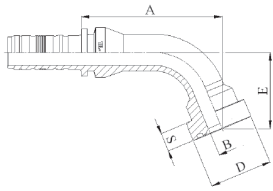
M83961

60° SUPERCAT SERIES FLANGE

PART. REF.	HOSE BORE		Flange		DIMENSIONS mm					
	DN	Size	inch	Inch	B	A	D	E	S	
M83961-12-12	19	- 12	3/4"	3/4"	16,0	106,5	41,5	47,0	14,3	
M83961-12-16	19	- 12	3/4"	1"	19,5	107,0	47,7	48,0	14,3	
M83961-16-16	25	- 16	1"	1"	19,5	114,0	47,7	51,0	14,3	
M83961-16-16055	25	- 16	1"	1"	19,5	100,0	47,7	55,0	14,3	
M83961-16-20	25	- 16	1"	1.1/4"	26,0	116,5	54,0	54,0	14,3	
M83961-20-20	31	- 20	1.1/4"	1.1/4"	26,0	130,0	54,0	54,5	14,3	
M83961-20-24	31	- 20	1.1/4"	1.1/2"	32,0	126,0	63,6	63,5	14,3	
M83961-24-24	38	- 24	1.1/2"	1.1/2"	32,0	140,0	63,6	63,2	14,3	
M83961-32-32	51	- 32	2"	2"	42,0	194,0	79,3	86,5	14,3	
M83961-32-32150	51	- 32	2"	2"	42,0	197,9	79,3	150,0	14,3	

SPIRALFIT TYPE

ORIGINAL EQUIPMENT CONNECTIONS

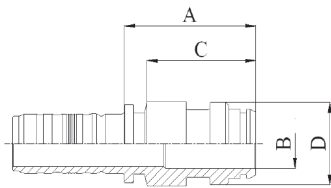


M83971

67,5° SUPERCAT SERIES FLANGE

PART. REF.	HOSE BORE				Flange	DIMENSIONS mm					
	DN	Size	inch	Inch		B	A	D	E	S	
M83971-12-12	19	- 12	3/4"	3/4"		16,0	100,0	41,5	53,0	14,3	
M83971-12-16	19	- 12	3/4"	1"		19,5	100,5	47,7	54,0	14,3	
M83971-16-16	25	- 16	1"	1"		19,5	111,0	47,7	58,0	14,3	
M83971-16-20	25	- 16	1"	1.1/4"		26,0	109,0	54,0	62,0	14,3	
M83971-20-20	31	- 20	1.1/4"	1.1/4"		26,0	123,0	54,0	62,0	14,3	
M83971-20-24	31	- 20	1.1/4"	1.1/2"		32,0	117,5	63,6	71,5	14,3	
M83971-24-24	38	- 24	1.1/2"	1.1/2"		32,0	131,0	63,6	72,0	14,3	
M83971-32-32	51	- 32	2"	2"		42,0	181,5	79,3	99,0	14,3	

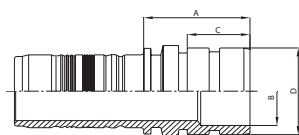
INSERT



M74710

SUPER STAPLE-LOCK MALE (MDG41)

PART. REF.	HOSE BORE			DIMENSIONS mm						
	DN	Size	inch	B	A	C	D			
M74710-12-12	19	- 12	3/4"	15,3	47,2	38,9	28,6			
M74710-16-16	25	- 16	1"	22,0	65,7	56,1	38,4			
M74710-20-20	31	- 20	1.1/4"	27,2	72,4	61,4	45,4			
M74710-24-24	38	- 24	1.1/2"	32,5	74,4	63,1	54,4			
M74710-32-32	51	- 32	2"	38,0	74,1	61,8	63,4			

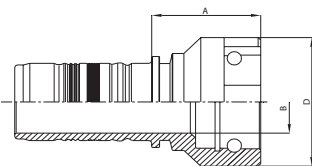


M75910

LOW PRESSURE FLUSHFIT MALE

PART. REF.	HOSE BORE			DIMENSIONS mm						
	DN	inch	Size	B	A	C	D			
M75910-40-40	63	2.1/2"	- 40	51,5	85,0	51,0	76			
M75910-48-48	76	3"	- 48	62,5	97,0	73,0	79			
M75910-56-56	89	3.1/2"	- 56	76,0	117,0	85,5	86			

Beater Flange version available



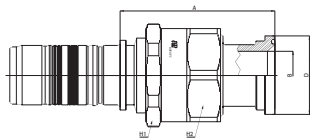
M85910

LOW PRESSURE FLUSHFIT FEMALE

PART. REF.	HOSE BORE			DIMENSIONS mm						
	DN	inch	Size	B	A	D				
M85910-40-40	63	2.1/2"	- 40	51,5	78,0	106				
M85910-48-48	76	3"	- 48	62,5	100,0	110				
M85910-56-56	89	3.1/2"	- 56	76,0	112,0	132				

SPIRALFIT TYPE

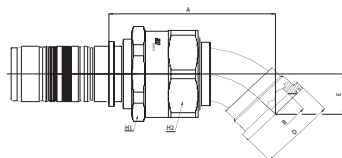
SAE STANDARD CONNECTION



MR83311

SAE STANDARD CONNECTIONS

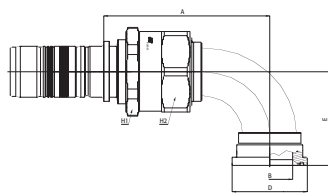
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size		A	B	D	H ¹	H ²	
MR83311-40-40	63	2.1/2"	- 40	2-1/2"	150	52	84,3	100	100	



MR83341

45° ISO/SAE CODE 61 FLANGE SAE J516/ISO 12151-3

PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size		A	B	D	E	H ¹	H ²
MR83341-40-40	63	2.1/2"	- 40	2-1/2"	180	52	84,3	46	100	100



MR83391

90° ISO/SAE CODE 61 FLANGE SAE J516/ISO 12151-3

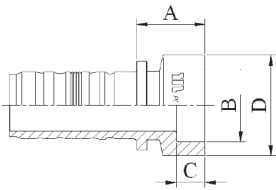
PART. REF.	HOSE BORE			THREAD	DIMENSIONS mm					
	DN	inch	Size		A	B	D	E	H ¹	H ²
MR83391-40-40	63	2.1/2"	- 40	2-1/2"	185	52	84,3	118	100	100

SPIRALFIT TYPE

TAIL

M89510WL

WELDING TAIL



PART. REF.	HOSE BORE			DIMENSIONS mm							
	DN	Size	inch			B	A	C	D		
M89510-12-22WL	19	- 12	3/4"			22,1	28,3	12,0	34,0		
M89510-16-28WL	25	- 16	1"			28,1	32,4	14,0	40,0		
M89510-20-35WL	31	- 20	1.1/4"			35,1	33,2	14,0	49,0		

rodaindustria  **IBÉRICA S.A.**
C/ Paralela Tres
Polígono Industrial A Granxa
36400 **PORRIÑO** (Pontevedra)
Tel.: 34.986.213.083 Fax: 34.986.295.138
e-mail: ventasvig@rodaindustria.com

 **manuli**[®]
HYDRAULICS

Via Cadorna, 73 ■ 20090 Vimodrone (MI), Italy
Tel +39 02 62713.1 ■ Fax +39 02 62713.382
www.manuli-hydraulics.com ■ info@manuli-hydraulics.com

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