

Muller



Fittings & ferrules

Product **guide**

By.
MULLER HYDRAULIC COMPONENTS LTD.
muller-hydraulics.com



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HYDRAULIC HOSE FITTINGS FERRULES

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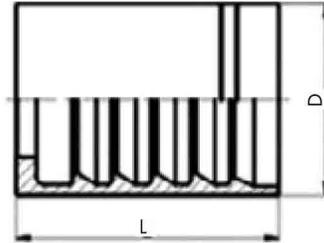
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Ferrule for SAE 100R1AT / SAE 1002R2AT

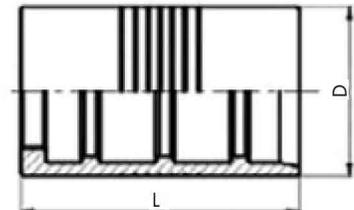


PART NO.	HOSE DASH	HOSE		DIMENSIONS	
		mm	inch	L (mm)	D (mm)
20 - 03	-3	4.8	3/16	27	19
20 - 04	-4	6.3	1/4	30	20
20 - 05	-5	8	5/16	31	22
20 - 06	-6	9.5	3/8	32	25
20 - 08	-8	12.7	1/2	34	28
20 - 10	-10	16	5/8	37	32
20 - 12.	-12	19	3/4	42	35
20 - 16	-16	25.4	1"	50	45
20 - 20	-20	32	1.1/4	59	56
20 - 24	-24	38	1.1/2	63	62
20 - 32	-32	50.8	2"	78	75

■ for R12 the code begin by 400-, example: 400-1000-0302 interlock code begin by 600

30 -

Ferrule for SAE 100R7 / SAE 100R6 / DIN 1TE /
DIN 2ET / SAE 100R8 SAE 100R14 HOSES

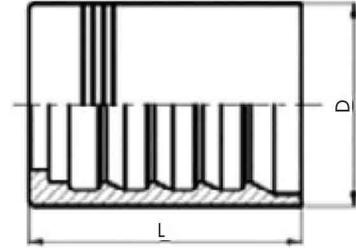


PART NO.	HOSE DASH	HOSE		DIMENSIONS	
		mm	inch	L (mm)	D (mm)
30 - 03	-3	4.8	3/16	27	24
30 - 04	-4	6.3	1/4	29	27
30 - 05	-5	7.9	5/16	30	19
30 - 06	-6	9.5	3/8	31	21
30 - 08	-8	12.7	1/2	34	26
30 - 10	-10	16	5/8	36	29
30 - 12	-12	19	3/4	42	32
30 - 16	-16	25.4	1"	50	40

■ for R12 the code begin by 400-, example: 400-1000-0302 interlock code begin by 600

40 -

Ferrule for SAE 100R12 - 4SP and 4SH.

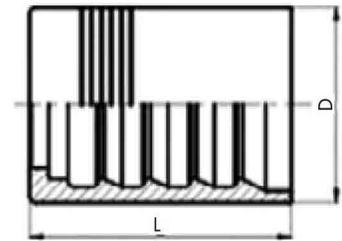


PART NO.	HOSE DASH	HOSE		DIMENSIONS	
		mm	inch	L (mm)	D (mm)
40 - 04	-3	6.3	1/4	40	21
40 - 06	-6	9.5	3/8	43	25
40 - 08	-8	12.7	1/2	42	28
40 - 10	-10	16	5/8	50	34
40 - 12	-12	19	3/4	51	38
40 - 16	-16	25.4	1"	62	46
40 - 20	-20	31.8	1.1/4	66	56
40 - 24	-24	38.1	1.1/2	76	67
40 - 32	-32	50.8	2"	80	80

■ for R12 the code begin by 400-, example: 400-1000-0302 interlock code begin by 600

60 -

Ferrule for SAE 100R13 HOSE and SAE 100R15 HOSE



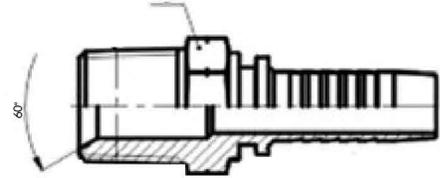
PART NO.	HOSE DASH	HOSE		DIMENSIONS	
		mm	inch	L (mm)	D (mm)
60 - 12	-12	19.1	3/4.	60	38
60 - 16	-16	25.4	1"	75	46
60 - 20	-20	31.8	1.1/4	88	60
60 - 24	-24	38.1	1.1/2	94	65
60 - 32	-32	50.8	2"	99	80

■ for R12 the code begin by 400-, example: 400-1000-0302 interlock code begin by 600

200-1000

Male NPTF R1-R2

Carbon steel, NPT(dry-seal taper thread) male fitting for crimping on high pressure hydraulic hoses.



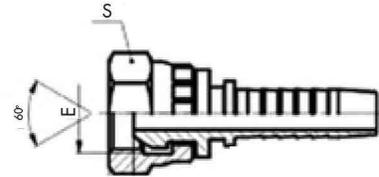
PART NO.	HOSE I.D <i>inch</i>	HOSE DASH	THREAD <i>inch</i>	S <i>mm</i>
200 - 1000 - 0404	1/4	04-	1/4 x 18	12
200 - 1000 - 0402	1/4	04-	1/8 x 27	12
200 - 1000 - 0406	1/4	04-	3/8 x 18	16
200 - 1000 - 0604	3/8	06-	1/4 x 18	16
200 - 1000 - 0606	3/8	06-	3/8 x 18	19
200 - 1000 - 0608	3/8	06-	1/2 x 14	22
200 - 1000 - 0806	1/2	08-	3/8 x 18	19
200 - 1000 - 0808	1/2	08-	1/2 x 14	22
200 - 1000 - 0812	1/2	08-	3/4 x 14	27
200 - 1000 - 0810	1/2	08-	5/8 x 14	27
200 - 1000 - 0816	1/2	08-	1 x 11.1/2	36
200 - 1000 - 1008	5/8	10	1/2 x 14	22
200 - 1000 - 1010	5/8	10	5/8 x 14	24
200 - 1000 - 1012	5/8	10-	3/4 x 14	27
200 - 1000 - 1212	3/4	12-	3/4 x 14	27
200 - 1000 - 1216	3/4	12-	1 x 11.1/2	34
200 - 1000 - 1612	1	16-	3/4 x 14	27
200 - 1000 - 1616	1	16-	1 x 11.1/2	34
200 - 1000 - 1620	1	16-	1.1/4 x 11.1/2	43
200 - 1000 - 2020	1.1/4	20-	1.1/4 x 11.1/2	43
200 - 1000 - 2024	1.1/4	20-	1.1/2 x 11.1/2	50
200 - 1000 - 2424	1.1/2	24-	1.1/2 x 11.1/2	50
200 - 1000 - 3232	2	32-	2 x 11.1/2	60

■ for R12 the code begin by 400-, example: 400-1000-0302 interlock code begin by 600

200-1100

Female BSP R1-R2 straight

Carbon steel, BSP (british 60 cone) female fitting for crimping on high pressure hydraulic hoses.



PART NO.	HOSE I.D <i>inch</i>	HOSE DASH	THREAD <i>inch</i>	S <i>mm</i>
200-1100-0302	3/16	03-	1/8 x 28	16
200-1100-0304	3/16	03-	1/4 x 19	19
200-1100-0404	1/4	04-	1/4 x 19	19
200-1100-0402	1/4	04-	1/8 x 28	19
200-1100-0406	1/4	04-	3/8 x 19	22
200-1100-0604	3/8	06-	1/4 x 19	19
200-1100-0606	3/8	06-	3/8 x 19	22
200-1100-0608	3/8	06-	1/2 x 14	27
200-1100-0806	1/2	08-	3/8 x 19	22
200-1100-0808	1/2	08-	1/2 x 14	27
200-1100-0812	1/2	08-	3/4 x 14	32
200-1100-0810	1/2	08-	5/8 x 14	30
200-1100-0816	1/2	08-	1 x 11	41
200-1100-1008	5/8	10-	1/2 x 14	27
200-1100-1010	5/8	10-	5/8 x 14	30
200-1100-1012	5/8	10-	3/4 x 14	32
200-1100-1212	3/4	12-	3/4 x 14	32
200-1100-1216	3/4	12-	1 x 11	38
200-1100-1612	1	16-	3/4 x 14	32
200-1100-1616	1	16-	1 x 11	38
200-1100-1620	1	16-	1.1/4 x 11	50
200-1100-2020	1.1/4	20-	1.1/4 x 11	50
200-1100-2024	1.1/4	20-	1.1/2 x 11	55
200-1100-2424	1.1/2	24-	1.1/2 x 11	55
200-1100-3232	2	32-	2 x 11	70

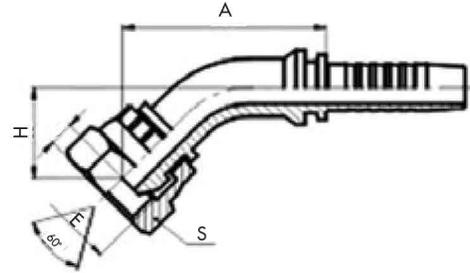
■ for R12 the code begin by 400-, example: 400-1000-0302 interlock code begin by 600

200-1145

Female BSP R1-R2 elbow 45



Solid-piece carbon steel, BSP (british thread 60 cone) 45 sweep
BSP female fitting for crimping on high pressure hydraulic hoses.



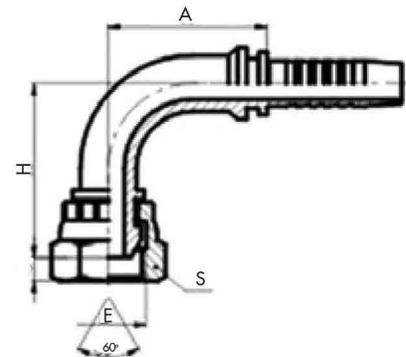
PART NO.	HOSE I.D <i>inch</i>	HOSE DASH	THREAD <i>inch E</i>	A <i>mm</i>	H <i>mm</i>	S <i>mm</i>
200-1145-0202	1/8	02-	1/8 x 28	33	15	14
200-1145-0204	1/8	02-	1/4 x 19	35	15	19
200-1145-0404	1/4	04-	1/4 x 19	41	15	19
200-1145-0402	1/4	04-	1/8 x 28	40	14	14
200-1145-0406	1/4	04-	3/8 x 19	44	18	22
200-1145-0604	3/8	06-	1/4 x 19	44	18	22
200-1145-0606	3/8	06-	3/8 x 19	52	19	22
200-1145-0608	3/8	06-	1/2 x 14	55	21	27
200-1145-0806	1/2	08-	3/8 x 19	55	21	27
200-1145-0808	1/2	08-	1/2 x 14	68	25	30
200-1145-0812	1/2	08-	3/4 x 14	70	27	32
200-1145-0810	1/2	08-	5/8 x 14	68	25	30
200-1145-1010	5/8	10-	5/8 x 14	68	23	30
200-1145-1012	5/8	10-	3/4 x 14	72	27	32
200-1145-1212	3/4	12-	3/4 x 14	86	30	32
200-1145-1216	3/4	12-	1 x 11	88	32	41
200-1145-1616	1	16-	1 x 11	107	35	41
200-1145-1620	1	16-	1.1/4 x 11	129	40	50
200-1145-2020	1.1/4	20-	1.1/4 x 11	129	40	50
200-1145-2024	1.1/4	20-	1.1/2 x 11	221	47	55
200-1145-2424	1.1/2	24-	1.1/2 x 11	221	47	55
200-1145-3232	2	32-	2 x 11	196	70	70

■ for R12 the code begin by 400-, example: 400-1000-0302 interlock code begin by 600

200-1190

Female BSP R1-R2 elbow 90

Solid piece, carbon steel, BSP (british thread 60 cone) 90 swep
BSP female fitting for crimping on high presure hydraulic hoses.



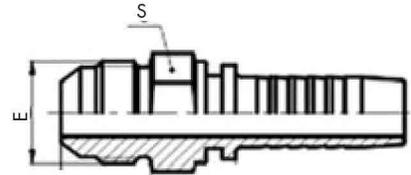
PART NO.	HOSE I.D <i>inch</i>	HOSE DASH	THREAD <i>inch E</i>	A <i>mm</i>	H <i>mm</i>	S <i>mm</i>
200-1190-0202	1/8	02-	1/8 x 28	22	23	14
200-1190-0204	1/8	02-	1/4 x 19	22	25	19
200-1190-0404	1/4	04-	1/4 x 19	30	29	19
200-1190-0406	1/4	04-	3/8 x 19	25	31	22
200-1190-0606	3/8	06-	3/8 x 19	33	38	22
200-1190-0608	3/8	06-	1/2 x 14	33	41	27
200-1190-0808	1/2	08-	1/2 x 14	45	44	27
200-1190-0812	1/2	08-	3/4 x 14	42	48	32
200-1190-0810	1/2	08-	5/8 x 14	42	45	30
200-1190-0816	1/2	08-	1 x 11	58	63	41
200-1190-1010	5/8	10-	5/8 x 14	50	45	30
200-1190-1012	5/8	10-	3/4 x 14	50	50	32
200-1190-1212	3/4	12-	3/4 x 14	56	57	32
200-1190-1216	3/4	12-	1 x 11	58	63	41
200-1190-1616	1	16-	1 x 11	74	73	41
200-1190-1620	1	16-	1.1/4 x 11	90	92	50
200-1190-2020	1.1/4	20-	1.1/4 x 11	90	92	50
200-1190-2024	1.1/4	20-	1.1/2 x 11	99	100	55
200-1190-2424	1.1/2	24-	1.1/2 x 11	99	100	55
200-1190-3232	2	32-	2 x 11	129	130	70

■ for R12 the code begin by 400-, example: 400-1000-0302 interlock code begin by 600

200-1200

Male JIC R1-R2 straight

Carbon steel, JIC american thread, 37 flared (5/8-18 flared) male for crimping on high pressure hydraulic hoses.



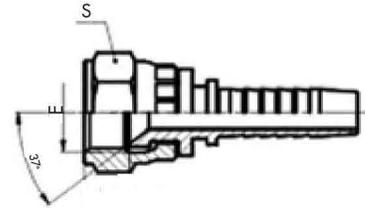
PART NO.	HOSE I.D. <i>inch</i>	HOSE DASH	THREAD <i>inch E</i>	S <i>mm</i>
200-1200-0404	1/4	04-	7/16 x 20	12
200-1200-0405	1/4	04-	1/2 x 20	14
200-1200-0406	1/4	04-	9/16 x 18	17
200-1200-0605	3/8	06-	1/2 x 20	14
200-1200-0606	3/8	06-	9/16 x 18	17
200-1200-0608	3/8	06-	3/4 x 16	22
200-1200-0610	3/8	06-	7/8 x 14	24
200-1200-0808	1/2	08-	3/4 x 16	22
200-1200-0810	1/2	08-	7/8 x 14	24
200-1200-0812	1/2	08-	1.1/16 x 12	27
200-1200-1010	5/8	10-	7/8 x 14	24
200-1200-1012	5/8	10-	1.1/16 x 12	27
200-1200-1016	5/8	10-	1.5/16 x 12	36
200-1200-1210	3/4	12-	7/8 x 14	24
200-1200-1212	3/4	12-	1.1/16 x 12	27
200-1200-1216	3/4	12-	1.5/16 x 12	36
200-1200-1616	1	16-	1.5/16 x 12	36
200-1200-1620	1	16-	1.5/8 x 12	46
200-1200-2020	1.1/4	20-	1.5/8 x 12	46
200-1200-2024	1.1/4	20-	1.7/8 x 12	50
200-1200-2424	1.1/2	24-	1.7/8 x 12	50
200-1200-3232	2	32-	2.1/2 x 12	65

■ for R12 the code begin by 400-, example: 400-1200-0606 interlock code begin by 600

200-1300

Female JIC R1-R2 straight

Carbon steel, JIC american thread,
37 flared (5/8-18 is 45 flared)
female for crimping on high pressure hydraulic.



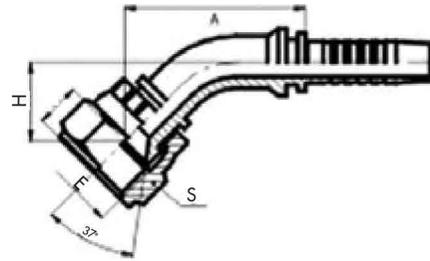
PART NO.	HOSE I.D. <i>inch</i>	HOSE DASH	THREAD <i>inch E</i>	S <i>mm</i>
200-1300-0404	1/4	04-	7/16 x 20	15
200-1300-0405	1/4	04-	1/2 x 20	17
200-1300-0406	1/4	04-	9/16 x 18	19
200-1300-0407	1/4	04-	5/8 x 18	22
200-1300-0410	1/4	04-	7/8 x 18	27
200-1300-0505	5/16	05-	1/2 x 20	17
200-1300-0506	5/16	05-	9/16 x 18	19
200-1300-0604	3/8	06-	7/16 x 20	15
200-1300-0605	3/8	06-	1/2 x 20	17
200-1300-0606	3/8	06-	9/16 x 18	19
200-1300-0608	3/8	06-	3/4 x 16	24
200-1300-0610	3/8	06-	7/8 x 14	27
200-1300-0808	1/2	08-	3/4 x 16	24
200-1300-0810	1/2	08-	7/8 x 14	27
200-1300-0812	1/2	08-	1.1/16 x 12	32
200-1300-1010			7/8 x 14	27
200-1300-1012	5/8	10-	1.1/16 x 12	32
200-1300-1016	5/8	10-	1.5/16 x 12	41
200-1300-1210	3/4	12-	7/8 x 14	27
200-1300-1212	3/4	12-	1.1/16 x 12	32
200-1300-1216	3/4	12-	1.5/16 x 12	41
200-1300-1616	1	16-	1.5/16 x 12	41
200-1300-1620	1	16-	1.5/8 x 12	50
200-1300-2020	1.1/4	20-	1.5/8 x 12	50
200-1300-2024	1.1/4	20-	1.7/8 x 12	55
200-1300-2424	1.1/2	24-	1.7/8 x 12	55
200-1300-3232	2	32-	2.1/2 x 12	70

■ for R12 the code begin by 400-, example: 400-1300-0606 interlock code begin by 600

200-1345

Female JIC R1-R2 elbow 45

Solid-piece, carbon steel, JIC american thread, 37 flared
(5/8-18 is 45 flared) swep for crimping on high pressure hydraulic hose



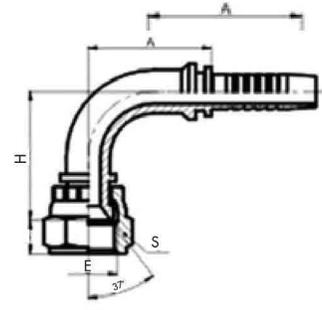
PART NO.	HOSE I.D <i>inch</i>	HOSE DASH	THREAD <i>inch E</i>	A <i>mm</i>	H <i>mm</i>	S <i>mm</i>
200-1345-0404	1/4	04-	7/16 x 20	38	14	15
200-1345-0405	1/4	04-	1/2 x 20	40	14	17
200-1345-0406	1/4	04-	9/16 x 18	38	17	19
200-1345-0606	3/8	06-	9/16 x 18	51	17	19
200-1345-0607	3/8	06-	5/8 x 18	51	17	22
200-1345-0610	3/8	06-	7/8 x 18	51	17	27
200-1345-0608	3/8	06-	3/4 x 16	52	17	24
200-1345-0808	1/2	08-	3/4 x 16	65	22	24
200-1345-0810	1/2	08-	7/8 x 14	64	23	27
200-1345-0812	1/2	08-	1.1/16 x 12	68	25	32
200-1345-1010	5/8	10-	7/8 x 14	68	24	27
200-1345-1012	5/8	10-	1.1/16 x 12	70	25	32
200-1345-1016	5/8	10-	1.5/16 x 12	88	30	41
200-1345-1210	3/4	12-	7/8 x 14	84	28	32
200-1345-1212	3/4	12-	1.1/16 x 12	84	28	32
200-1345-1214	3/4	12-	1.3/16 x 12	56	53	36
200-1345-1216	3/4	12-	1.5/16 x 12	88	30	41
200-1345-1616	1	16-	1.5/16 x 12	104	33	41
200-1345-2020	1.1/4	20-	1.5/8 x 12	104	45	50

■ for R12 the code begin by 400-, example: 400-1345-0607 interlock code begin by 600

200-1390

Female JIC R1-R2 elbow 90

Solid-piece, carbon steel, JIC american thread, 37 flared (5/8-18 is 90 flared) swep for crimping on high pressure hydraulic hoses.



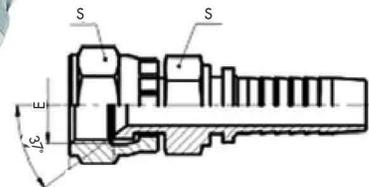
PART NO.	HOSE I.D <i>inch</i>	HOSE DASH	THREAD <i>inch E</i>	A <i>mm</i>	H <i>mm</i>	S <i>mm</i>
200-1390-0404	1/4	04-	7/16 x 20	25	26	15
200-1390-0405	1/4	04-	1/2 x 20	25	26	17
200-1390-0406	1/4	04-	9/16 x 18	25	27	19
200-1390-0606	3/8	06-	9/16 x 18	36	33	19
200-1390-0608	3/8	06-	3/4 x 16	37	39	34
200-1390-0610	3/8	06-	7/8 x 14	34	39	27
200-1390-0808	1/2	08-	3/4 x 16	39	42	24
200-1390-0810	1/2	08-	7/8 x 14	44	47	27
200-1390-0812	1/2	08-	1.1/16 x 12	40	45	32
200-1390-1010	5/8	10-	7/8 x 14	46	46	27
200-1390-1012	5/8	10-	1.1/16 x 12	45	49	32
200-1390-1016	5/8	10-	1.5/16 x 12	63	62	41
200-1390-1212	3/4	12-	1.1/16 x 12	56	54	32
200-1390-1214	3/4	12-	1.3/16 x 12	58	58	36
200-1390-1216	3/4	12-	1.5/16 x 12	63	62	41
200-1390-1616	1	16-	1.5/16 x 12	73	71	41
200-1390-2020	1.1/4	20-	1.5/8 x 12	85	88	50

■ for R12 the code begin by 400-, example: 400-1390-0606 interlock code begin by 600

200-2200

Female JIC R7-R8 straight

Carbon steel, JIC american thread, 37 flared (5/8-18 is 45 flared) female for crimping on high pressure hydraulic hoses.

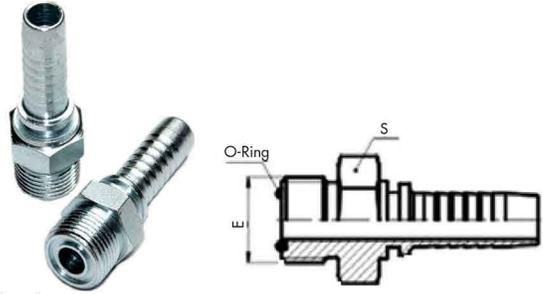


PART NO.	HOSE I.D <i>inch</i>	HOSE DASH	THREAD <i>inch E</i>	S <i>mm</i>
200-2200-0404	1/4	04-	7/16 x 20	16
200-2200-0405	1/4	04-	1/2 x 20	17
200-2200-0606	3/8	06-	9/16 x 18	19
200-2200-0808	1/2	08-	3/4 x 16	24
200-2200-1010	5/8	10-	7/8 x 14	27

200-1400

Male ORFS R1-R2 straight.

Carbon steel ,ORFS ,o ring face seal male fitting for crimping on high pressure hydraulic hoses .



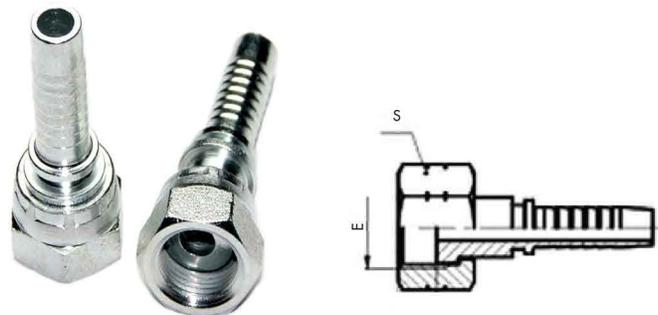
PART NO.	HOSE I.D. <i>inch</i>	HOSE DASH	THREAD <i>inch E</i>	S <i>mm</i>
200-1400-0404	1/4	04-	9/16 x 18	16
200-1400-0406	1/4	04-	11/16 x 16	19
200-1400-0606	3/8	06-	11/16 x 16	19
200-1400-0608	3/8	06-	13/16 x 16	22
200-1400-0808	1/2	08-	13/16 x 16	22
200-1400-0810	1/2	08-	1 x 14	27
200-1400-1010	5/8	10-	1 x 14	27
200-1400-1012	5/8	10-	1.3/16 x 14	32
200-1400-1212	3/4	12-	1.3/16 x 14	32
200-1400-1216	3/4	12-	1.7/16 x 12	38
200-1400-1616	1	16-	1.7/16 x 12	38
200-1400-1620	1	16-	1.11/16 x 12	44
200-1400-2020	1.1/4	20-	1.11/16 x 12	44

■ for R12 the code begin by 400-, example: 400-1400-0606 interlock code begin by 600

200-1500

Female ORFS R1-R2 straight

Carbon steel. ORFS, o-ring face fitting for crimping on high pressure hydraulic hoses.



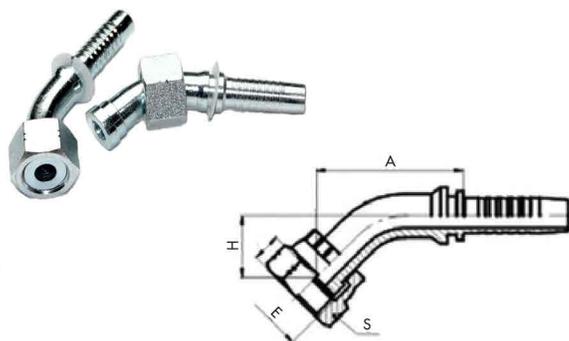
PART NO.	HOSE I.D. <i>inch</i>	HOSE DASH	THREAD <i>inch E</i>	S <i>mm</i>
200-1500-0404	1/4	04-	9/16 x 18	19
200-1500-0406	1/4	04-	11/16 x 16	22
200-1500-0606	3/8	06-	11/16 x 16	22
200-1500-0608	3/8	06-	13/16 x 16	27
200-1500-0808	1/2	08-	13/16 x 16	27
200-1500-0810	1/2	08-	1 x 14	30
200-1500-1010	5/8	10-	1 x 14	30
200-1500-1012	5/8	10-	1.3/16 x 14	36
200-1500-1212	3/4	12-	1.3/16 x 14	36
200-1500-1216	3/4	12-	1.7/16 x 12	41
200-1500-1616	1	16-	1.7/16 x 12	41
200-1500-1620	1	16-	1.11/16 x 12	50
200-1500-2020	1.1/4	20	1.11/16 x 12	50

■ for R12 the code begin by 400-, example: 400-1500-0606 interlock code begin by 600

200-1545

Female ORFS R1-R2 elbow 45

Solid-piece, carbon steel, ORFS, o-ring face seal fitting 45 swept swivel female for crimping on high pressure hydraulic hoses.



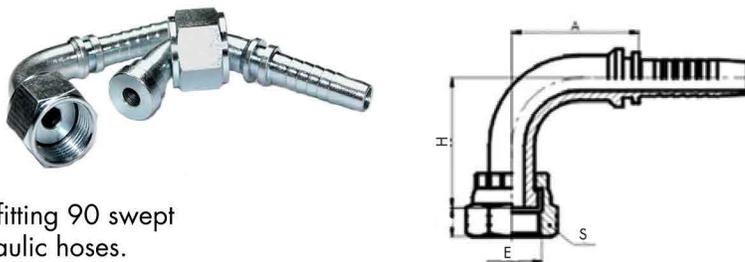
PART NO.	HOSE I.D. <i>inch</i>	HOSE DASH	THREAD <i>inch E</i>	A <i>mm</i>	H <i>mm</i>	S <i>mm</i>
200-15-45-0404	1/4	04-	9/16 x 18	40	14	18
200-15-45-0406	1/4	04-	11/16 x 16	40	15	22
200-15-45-0606	3/8	06-	11/16 x 16	52	17	22
200-1545-0608	3/8	06-	13/16 x 16	51	18	27
200-1545-0808	1/2	08-	13/16 x 16	60	23	27
200-1545-0810	1/2	08-	1 x 14	66	23	30
200-1545-1010	5/8	10-	1 x 14	71	26	30
200-1545-1012	5/8	10-	1.3/16 x 14	83	27	36
200-1545-1212	3/4	12-	1.3/16 x 14	83	27	36
200-1545-1216	3/4	12-	1.7/16 x 12	100	30	41
200-1545-1616	1	16-	1.7/16 x 12	100	30	41
200-1545-2020	1.1/4	20-	1.11/16 x 12	125	44	50

■ for R12 the code begin by 400-, example: 400-1400-0606 interlock code begin by 600

200-1590

Female ORFS R1-R2 elbow 90

Solid-piece, carbon steel, ORFS, o-ring face seal fitting 90 swept swivel female for crimping on high pressure hydraulic hoses.



PART NO.	HOSE I.D. <i>inch</i>	HOSE DASH	THREAD <i>inch E</i>	A <i>mm</i>	H <i>mm</i>	S <i>mm</i>
200-1590-0404	1/4	04-	9/16 x 18	27	26	19
200-1590-0406	1/4	04-	11/16 x 16	34	23	22
200-1590-0606	3/8	06-	11/16 x 16	36	32	22
200-1590-0608	3/8	06-	13/16 x 16	37	32	27
200-1590-0808	1/2	08-	13/16 x 16	41	40	27
200-1590-0810	1/2	08-	1 x 14	39	40	30
200-1590-1010	5/8	10-	1 x 14	47	45	30
200-1590-1012	5/8	10-	1.3/16 x 14	57	49	36
200-1590-1212	3/4	12-	1.3/16 x 14	57	51	36
200-1590-1216	3/4	12-	1.7/16 x 12	72	62	41
200-1590-1616	1	16-	1.7/16 x 12	72	62	41
200-1590-2020	1.1/4	20-	1.11/16 x 12	83	73	50

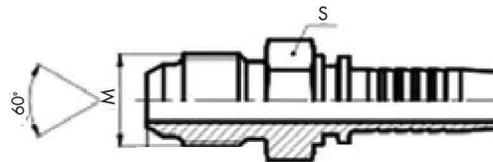
■ for R12 the code begin by 400-, example: 400-1545-0606 interlock code begin by 600

200-1600

Male JIS R1-R2 Komatsu straight

Carbon steel JIS (60 cone)

straight male fitting for crimping on
high pressure hydraulic hoses



PART NO.	HOSE I.D. <i>inch</i>	HOSE DASH	THREAD <i>inch M</i>	S <i>mm</i>
200-1600-0414	1/4	04-	M14 x 1.5	16
200-1600-0516	5/16	05-	M16 x 1.5	17
200-1600-0618	3/8	06-	M18 x 1.5	19
200-1600-0822	1/2	08-	M22 x 1.5	24
200-1600-1024	5/8	10-	M24 x 1.5	25.4
200-1600-1230	3/4	12-	M30 x 1,5	32
200-1600-1633	1	16-	M33 x 1.5	34
200-1600-2036	1.1/4	20-	M36 x 1.5	38

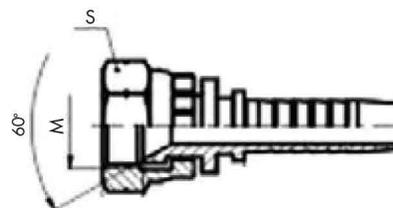
■ for R12 the code begin by 400-, example: 400-1700-1230 interlock code begin by 600

200-1700

Female JIS R1-R2 Komatsu straight

Carbon steel JIS (60 cone) straight female

fitting for crimping on
high pressure hydraulic hoses



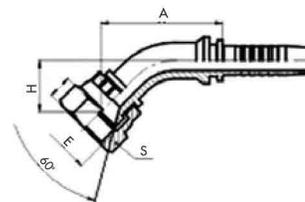
PART NO.	HOSE I.D. <i>inch</i>	HOSE DASH	THREAD <i>inch M</i>	S <i>mm</i>
200-1700-0414	1/4	04-	M14 x 1.5	19
200-1700-0516	5/16	05-	M16 x 1.5	17
200-1700-0618	3/8	06-	M18 x 1.5	24
200-1700-0822	1/2	08-	M22 x 1.5	27
200-1700-1024	5/8	10-	M24 x 1.5	30
200-1700-1230	3/4	12-	M30 x 1,5	36
200-1700-1633	1	16-	M33 x 1.5	41
200-1700-2036	1.1/4	20-	M36 x 1.5	36

■ for R12 the code begin by 400-, example: 400-1700-1230 interlock code begin by 600

200-1745

Female JIS R1-R2 Komatsu elbow 45

carbon steel JIS (60 cone) 45 straight female fitting for crimping on high pressure hydraulic hoses



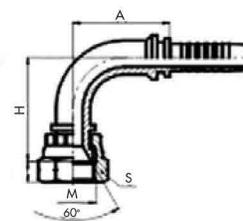
PART NO.	HOSE I.D. <i>inch</i>	HOSE DASH	THREAD <i>inch E</i>	A <i>mm</i>	H <i>mm</i>	S <i>mm</i>
200-1745-0414	1/4	04-	M14 x 1.5	38	17	19
200-1745-0516	5/16	05-	M16 x 1.5	51	17	17
200-1745-0618	3/8	06-	M18 x 1.5	54	21	24
200-1745-0822	1/2	08-	M22 x 1.5	64	23	27
200-1745-1024	5/8	10-	M24 x 1.5	88	30	30
200-1745-1230	3/4	12-	M30 x 1,5	56	53	36
200-1745-1633	1	16-	M33 x 1.5	104	33	41
200-1745-2036	1.1/4	20-	M36 x 1.5	104	45	36

■ for R12 the code begin by 400-, example: 400-1745-1230 interlock code begin by 600

200-1790

Female JIS R1-R2 Komatsu elbow 90

Carbon steel JIS (60 cone) 90 straight female fitting for crimping on high pressure hydraulic hoses



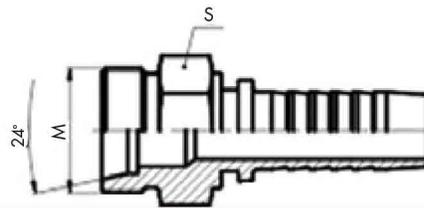
PART NO.	HOSE I.D. <i>inch</i>	HOSE DASH	THREAD <i>inch M</i>	A <i>mm</i>	H <i>mm</i>	S <i>mm</i>
200-1790-0414	1/4	04-	M14 x 1.5	25	27	19
200-1790-0516	5/16	05-	M16 x 1.5	25	27	17
200-1790-0618	3/8	06-	M18 x 1.5	37	36	24
200-1790-0822	1/2	08-	M22 x 1.5	44	47	27
200-1790-1024	5/8	10-	M24 x 1.5	45	49	30
200-1790-1230	3/4	12-	M30 x 1,5	58	58	36
200-1790-1633	1	16-	M33 x 1.5	73	71	41
200-1790-2036	1.1/4	20-	M36 x 1.5	85	88	36

■ for R12 the code begin by 400-, example: 400-1790-1230 interlock code begin by 600

200-1800

Male DIN LIGHT R1-R2 straight

Carbon steel, light metric
(metric thread, 24 cone) male fitting for crimping on high pressure hydraulic hoses.



PART NO.	HOSE I.D <i>inch</i>	HOSE DASH	THREAD <i>inch M</i>	for TUBE	S <i>mm</i>
200-1800-0312	3/16	03-	M12 x 1.5	6	14
200-1800-0412	1/4	04-	M12 x 1.5	6	14
200-1800-0414	1/4	04-	M14 x 1.5	8	14
200-1800-0416	1/4	04-	M16 x 1.5	10	17
200-1800-0418	1/4	04-	M18 x 1.5	12	19
200-1800-0514	5/16	05-	M14 x 1.5	8	14
200-1800-0516	5/16	05-	M16 x 1.5	10	17
200-1800-0518	5/16	05-	M18 x 1.5	12	19
200-1800-0616	3/8	06-	M16 x 1.5	10	17
200-1800-0618	3/8	06-	M18 x 1.5	12	19
200-1800-0622	3/8	06-	M22 x 1.5	15	24
200-1800-0822	1/2	08-	M22 x 1.5	15	24
200-1800-0826	1/2	08-	M26 x 1.5	18	27
200-1800-1026	5/8	10-	M26 x 1.5	18	27
200-1800-1030	5/8	10-	M30 x 2.0	22	32
200-1800-1230	3/4	12-	M30 x 2.0	22	32
200-1800-1636	1	16-	M36 x 2.0	28	41
200-1800-2045	1.1/4	20-	M45 x 2.0	35	46
200-1800-2452	1.1/2	24-	M52 x 2.0	42	55

■ for R12 the code begin by 400-, example: 400-1800-1230 interlock code begin by 600

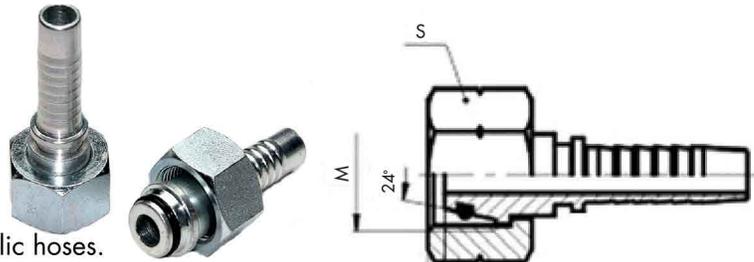
200-1900

Female DIN LIGHT R1-R2 straight

Carbon steel, light metric

(metric thread, 24 cone with oring)

female fitting for crimping on high pressure hydraulic hoses.



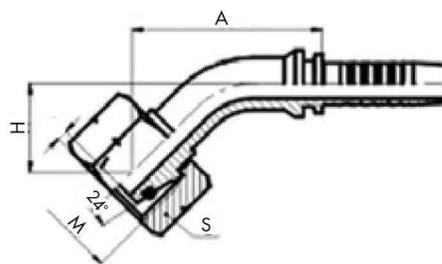
PART NO.	HOSE I.D <i>inch</i>	HOSE DASH	THREAD <i>inch M</i>	TUBE	S <i>mm</i>
200-1900-0312	3/16	03-	M12 x 1.5	6	14
200-1900-0412	1/4	04-	M12 x 1.5	6	14
200-1900-0414	1/4	04-	M14 x 1.5	8	17
200-1900-0416	1/4	04-	M16 x 1.5	10	19
200-1900-0418	1/4	04-	M18 x 1.5	12	22
200-1900-0516	5/16	05-	M16 x 1.5	10	19
200-1900-0616	3/8	06-	M16 x 1.5	10	19
200-1900-0618	3/8	06-	M18 x 1.5	12	22
200-1900-0622	3/8	06-	M22 x 1.5	15	27
200-1900-0822	1/2	08-	M22 x 1.5	15	27
200-1900-0818	1/2	08-	M18 x 1.5	12	22
200-1900-0826	1/2	08-	M26 x 1.5	18	32
200-1900-1026	5/8	10-	M26 x 1.5	18	32
200-1900-1030	5/8	10-	M30 x 2.0	22	36
200-1900-1230	3/4	12-	M30 x 2.0	22	36
200-1900-1236	3/4	12-	M36 x 2.0	28	46
200-1900-1636	1	16-	M36 x 2.0	28	46
200-1900-2045	1.1/4	20-	M45 x 2.0	35	55
200-1900-2452	1.1/2	24-	M52 x 2.0	42	60

■ for R12 the code begin by 400-, example: 400-1900-1230 interlock code begin by 600

200-1945

Female DIN LIGHT R1-R2 elbow 45

Solid piece, carbon steel light metric (metric thread, 24 cone with o-ring)
45 swept female fitting for crimping on high pressure hydraulic hoses.



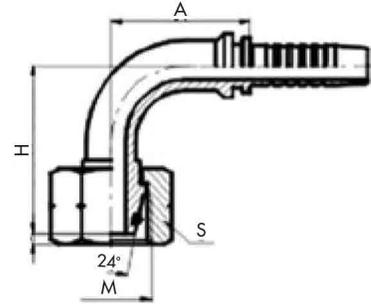
PART NO.	HOSE I.D <i>inch</i>	HOSE DASH	THREAD <i>inch M</i>	TUBE	A <i>mm</i>	H <i>mm</i>	S <i>mm</i>
200-1945-0312	3/16	03-	M12 x 1.5	6	34	15	14
200-1945-0412	1/4	04-	M12 x 1.5	6	43	20	17
200-1945-0414	1/4	04-	M14 x 1.5	8	39	17	17
200-1945-0416	1/4	04-	M16 x 1.5	10	38	17	19
200-1945-0418	1/4	04-	M18 x 1.5	12	44	18	22
200-1945-0516	5/16	05-	M16 x 1.5	10	46	21	19
200-1945-0616	3/8	06-	M16 x 1.5	10	53	25	22
200-1945-0618	3/8	06-	M18 x 1.5	12	46	23	22
200-1945-0622	3/8	06-	M22 x 1.5	15	48	22	27
200-1945-0822	1/2	08-	M22 x 1.5	15	59	26	27
200-1945-0826	1/2	08-	M26 x 1.5	18	62	30	32
200-1945-1026	5/8	10-	M26 x 1.5	18	62	30	32
200-1945-1030	5/8	10-	M30 x 2.0	22	62	30	36
200-1945-1230	3/4	12-	M30 x 2.0	22	68	30	32
200-1945-1236	3/4	12-	M36 x 2.0	28	68	35	46
200-1945-1636	1	16-	M36 x 2.0	28	81	38	46
200-1945-2045	1.1/4	20-	M45 x 2.0	35	93	45	50
200-1945-2452	1.1/2	24-	M52 x 2.0	42	105	45	60

■ for R12 the code begin by 400-, example: 400-1945-1230 interlock code begin by 600

200-1990

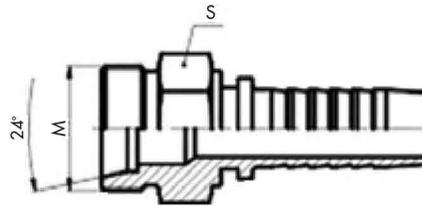
Female DIN LIGHT R1-R2 elbow 90

Solid piece, carbon steel light metric (metric thread, 24 cone with o-ring)
90 swept female fitting for crimping on high pressure hydraulic hoses.



PART NO.	HOSE I.D <i>inch</i>	HOSE DASH	THREAD <i>inch M</i>	TUBE	A <i>mm</i>	H <i>mm</i>	S <i>mm</i>
200-1990-0312	3/16	03-	M12 x 1.5	6	25	25	14
200-1990-0412	1/4	04-	M12 x 1.5	6	30	40	17
200-1990-0414	1/4	04-	M14 x 1.5	8	31	30	17
200-1990-0416	1/4	04-	M16 x 1.5	10	26	28	19
200-1990-0418	1/4	04-	M18 x 1.5	12	27	34	22
200-1990-0516	5/16	05-	M16 x 1.5	10	31	31	19
200-1990-0616	3/8	06-	M16 x 1.5	10	33	38	22
200-1990-0618	3/8	06-	M18 x 1.5	12	37	37	22
200-1990-0622	3/8	06-	M22 x 1.5	15	39	32	27
200-1990-0822	1/2	08-	M22 x 1.5	15	40	41	27
200-1990-0826	1/2	08-	M26 x 1.5	18	46	52	32
200-1990-1026	5/8	10-	M26 x 1.5	18	46	52	32
200-1990-1030	5/8	10-	M30 x 2.0	22	58	59	36
200-1990-1230	3/4	12-	M30 x 2.0	22	58	59	36
200-1990-1236	3/4	12-	M36 x 2.0	28	62	68	46
200-1990-1636	1	16-	M36 x 2.0	28	62	68	46
200-1990-2045	1.1/4	20-	M45 x 2.0	35	81	85	50
200-1990-2452	1.1/2	24-	M52 x 2.0	42	96	100	60

■ for R12 the code begin by 400-, example: 400-1945-1230 interlock code begin by 600



200-2000

Male DIN HEAVY R1-R2 straight

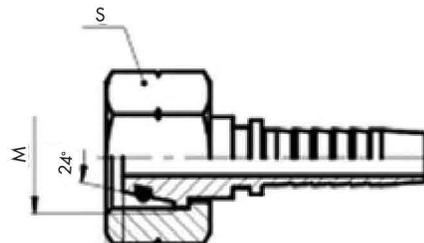
Carbon steel, heavy metric (metric thread, 24 cone) male fitting for crimping on high pressure hydraulic hoses.

PART NO.	HOSE I.D. <i>inch</i>	HOSE DASH	THREAD <i>inch M</i>	for TUBE	S <i>mm</i>
200-2000-0416	1/4	04-	M16 x 1.5	8	17
200-2000-0418	1/4	04-	M18 x 1.5	10	19
200-2000-0516	5/16	05-	M16 x 1.5	8	17
200-2000-0518	5/16	05-	M18 x 1.5	10	19
200-2000-0520	5/16	05-	M20 x 1.5	12	22
200-2000-0618	3/8	06-	M18 x 1.5	10	19
200-2000-0620	3/8	06-	M20 x 1.5	12	22
200-2000-0824	1/2	08-	M24 x 1.5	16	27
200-2000-1030	5/8	10-	M30 x 2.0	20	32
200-2000-1230	3/4	12-	M30 x 2.0	20	32
200-2000-1236	3/4	12-	M36 x 2.0	25	41
200-2000-1642	1	16-	M42 x 2.0	30	46
200-2000-2052	1.1/4	20-	M52 x 2.0	38	55

200-2100

Female DIN HEAVY R1-R2 straight

Carbon steel, heavy metric (metric thread, 24 cone with o-ring) female fitting for crimping on high pressure hydraulic hoses.



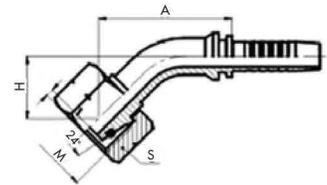
PART NO.	HOSE I.D. <i>inch</i>	HOSE DASH	THREAD <i>inch M</i>	TUBE	S <i>mm</i>
200-2100-0316	3/16	03-	M16 x 1.5	8	19
200-2100-0414	1/4	04-	M14 x 1.5	6	17
200-2100-0416	1/4	04-	M16 x 1.5	8	19
200-2100-0418	1/4	04-	M18 x 1.5	10	22
200-2100-0520	5/16	05-	M20 x 1.5	12	24
200-2100-0620	3/8	06-	M20 x 1.5	12	24
200-2100-0824	1/2	08-	M24 x 1.5	16	30
200-2100-1030	5/8	10-	M30 x 2.0	20	36
200-2100-1230	3/4	12-	M30 x 2.0	20	36
200-2100-1236	3/4	12-	M36 x 2.0	25	46
200-2100-1636	1	16-	M36 x 2.0	25	46
200-2100-1642	1	16-	M42 x 2.0	30	50
200-2100-2052	1.1/4	20-	M52 x 2.0	38	60
200-2100-2452	1.1/2	24-	M52 x 2.0	38	60

■ for R12 the code begin by 400-, example: 400-1900-1230 interlock code begin by 600

200-2145

Female DIN HEAVY R1-R2 elbow 45

Solid-piece, carbon steel, heavy metric (metric thread, 24 cone with o-ring)
45 swept female fitting for crimping on high pressure hydraulic hoses.



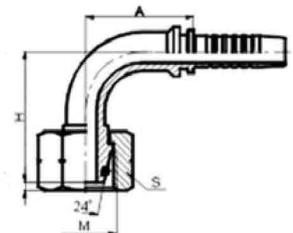
PART NO.	HOSE I.D <i>inch</i>	HOSE DASH	THREAD <i>inch M</i>	TUBE	A <i>mm</i>	H <i>mm</i>	S <i>mm</i>
200-2145-0316	3/16	03-	M16 x 1.5	8	35	16	19
200-2145-0416	1/4.	04-	M16 x 1.5	8	43	21	19
200-2145-0418	1/4	04-	M18 x 1.5	10	43	21	22
200-2145-0520	5/16.	05-	M20 x 1.5	12	47	25	24
200-2145-0620	3/8.	06-	M20 x 1.5	12	49	25	24
200-2145-0824	1/2.	08-	M24 x 1.5	16	53	27	30
200-2145-1030	5/8	10-	M30 x 2.0	20	75	31	36
200-2145-1230	3/4	12-	M30 x 2.0	20	83	31	36
200-2145-1236	3/4	12-	M36 x 2.0	25	80	33	46
200-2145-1636	1	16-	M36 x 2.0	25	80	33	46
200-2145-1642	1	16-	M42 x 2.0	30	90	41	50
200-2145-2052	1.1/4	20-	M52 x 2.0	38	130	41	60

■ for R12 the code begin by 400-, example: 400-2145-1230 interlock code begin by 600

200-2190

Female DIN HEAVY R1-R2 elbow 90

Solid-piece, carbon steel, heavy metric (metric thread, 24 cone with oring)
45 swept female fitting for crimping on high pressure hydraulic hoses.



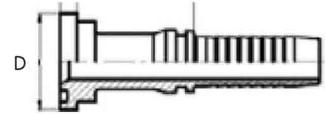
PART NO.	HOSE I.D <i>inch</i>	HOSE DASH	THREAD <i>inch M</i>	TUBE	A <i>mm</i>	H <i>mm</i>	S <i>mm</i>
200-2190-0316	3/16	03-	M16 x 1.5	8	24	24	19
200-2190-0416	1/4	04-	M16 x 1.5	8	26	29	19
200-2190-0418	1/4	04-	M18 x 1.5	10	26	31	22
200-2190-0520	5/16	05-	M20 x 1.5	12	33	40	24
200-2190-0620	3/8	06-	M20 x 1.5	12	34	38	24
200-2190-0824	1/2	08-	M24 x 1.5	16	42	44	30
200-2190-1030	5/8	10-	M30 x 2.0	20	46	51	36
200-2190-1230	3/4	12-	M30 x 2.0	20	58	56	36
200-2100-1236	3/4	12-	M36 x 2.0	25	56	60	46
200-2100-1636	1	16-	M36 x 2.0	25	69	68	46
200-2100-1642	1	16-	M42 x 2.0	30	69	69	50
200-2100-2052	1.1/4	20-	M52 x 2.0	38	83	83	60

■ for R12 the code begin by 400-, example: 400-2541-1230 interlock code begin by 600

400-2300

Flanged R12-R13 straight code 61

Solid piece, carbon steel (code 61) flanged fitting for crimping on high pressure hydraulic hoses



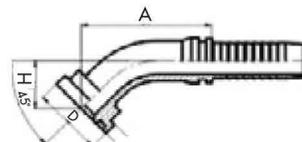
PART NO.	DESCRIPTION	HOSE <i>inch</i>	HOSE DASH	HEAD <i>mm</i>
400-2300-0808	1/2 x 1.3/16	1/2	08-	30.2
400-2300-0812	1/2 x 1.1/2	1/2	08-	38.1
400-2300-1010	5/8 x 1.3/8	5/8	10-	35
400-2300-1012	5/8 x 1.1/2	5/8	10-	38.1
400-2300-1212	3/4 x 1.1/2	3/4	12-	38.1
400-2300-1216	3/4 x 1.3/4	3/4	12-	44.4
400-2300-1616	1 x 1.3/4	1	16-	44.4
400-2300-1620	1 x 2	1	16-	50.8
400-2300-2020	1.1/4 x 2	1.1/4	20-	50.8
400-2300-2024	1.1/4 x 2.3/8	1.1/4	20-	60.3
400-2300-2424	1.1/2 x 2.3/8	1.1/2	24-	60.3
400-2300-2432	1.1/2 x 2.13/16	1.1/2	24-	71.4
400-2300-3232	2 x 2.13/16	2	32-	71.4



400-2345

Flanged R12-R13 elbow 45 code 61

Solid piece, carbon steel (code 61) 45 swept flanged fitting for crimping on high pressure hydraulic hoses

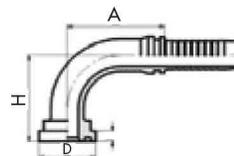


PART NO.	DESCRIPTION	HOSE I.D <i>inch</i>	HOSE DASH	D <i>mm</i>	A <i>mm</i>	H <i>mm</i>
400-2345-0808	1/2 x 1.3/16	1/2	08-	30.2	62	22
400-2345-0812	1/2 x 1.1/2	1/2	08-	38.1	68	25
400-2345-1010	5/8 x 1.3/8	5/8	10-	35	68	24
400-2345-1012	5/8 x 1.1/2	5/8	10-	38.1	68	24
400-2345-1212	3/4 x 1.1/2	3/4	12-	38.1	68	24
400-2345-1216	3/4 x 1.3/4	3/4	12-	44.4	88	30
400-2345-1616	1 x 1.3/4	1	16-	44.4	104	33
400-2345-1620	1 x 2	1	16-	50.8	108	37
400-2345-2020	1.1/4 x 2	1.1/4	20-	50.8	125	38
400-2345-2024	1.1/4 x 2.3/8	1.1/4	20-	60.3	129	39
400-2345-2424	1.1/2 x 2.3/8	1.1/2	24-	60.3	146	50
400-2345-2432	1.1/2 x 2.13/16	1.1/2	24-	71.4	176	58
400-2345-3232	2 x 2.13/16	2	32-	71.4	176	58

400-2390

Flanged R12-R13 elbow 90 code 61

Solid piece, carbon steel (code 61) 90 swept flanged fitting for crimping on high pressure hydraulic hoses

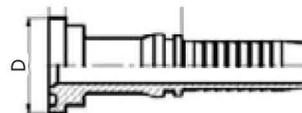


PART NO.	DESCRIPTION	HOSE I.D <i>inch</i>	HOSE DASH	D <i>mm</i>	A <i>mm</i>	H <i>mm</i>
400-2390-0808	1/2 x 1.3/16	1/2	08-	30.2	39	39
400-2390-0812	1/2 x 1.1/2	1/2	08-	38.1	39	44
400-2390-1010	5/8 x 1.3/8	5/8	10-	35	53	52
400-2390-1012	5/8 x 1.1/2	5/8	10-	38.1	53	53
400-2390-1212	3/4 x 1.1/2	3/4	12-	38.1	56	53
400-2390-1216	3/4 x 1.3/4	3/4	12-	44.4	58	58
400-2390-1616	1 x 1.3/4	1	16-	44.4	70	65
400-2390-1620	1 x 2	1	16-	50.8	70	70
400-2390-2020	1.1/4 x 2	1.1/4	20-	50.8	85	81
400-2390-2024	1.1/4 x 2.3/8	1.1/4	20-	60.3	85	85
400-2390-2424	1.1/2 x 2.3/8	1.1/2	24-	60.3	99	92
400-2390-2432	1.1/2 x 2.13/16	1.1/2	24-	71.4	99	92
400-2390-3232	2 x 2.13/16	2	32-	71.4	127	121

400-2400

Flanged R12-R13 straight code 62

Solid-piece, carbon steel (code 62) flanged fitting for crimping on high pressure hydraulic hoses.

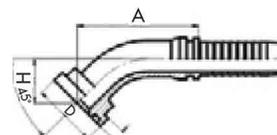


PART NO.	DESCRIPTION	HOSE I.D <i>inch</i>	HOSE DASH	D <i>mm</i>
400 - 2400 - 0808	1/2 x 1.1/4	1/2	08-	31.75
400 - 2400 - 0812	1/2 x 1.5/8	1/2	08-	41.3
400 - 2400 - 1012	5/8 x 1.5/8	5/8	10-	41.3
400 - 2400 - 1212	3/4 x 1.5/8	3/4	12-	41.3
400 - 2400 - 1216	3/4 x 1.7/8	3/4	12-	47.6
400 - 2400 - 1616	1 x 1.7/8	1	16-	47.6
400 - 2400 - 1620	1 x 2.1/8	1	16-	54
400 - 2400 - 2020	1.1/4 x 2.1/8	1.1/4	20-	54
400 - 2400 - 2024	1.1/4 x 2.1/2	1.1/4	20-	63.5
400 - 2400 - 2424	1.1/2 x 2.1/2	1.1/2	24-	63.5
400 - 2400 - 2432	1.1/2 x 3.1/8	1.1/2	24-	79.4
400 - 2400 - 3232	2 x 3.1/8	2	32-	79.4

400-2445

Flanged R12-R13 elbow 45 code 62

Solid piece, carbon steel (code 62) 45 swept flanged fitting for crimping on high pressure hydraulic hoses

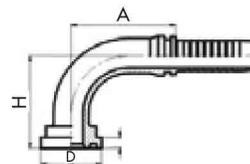


PART NO.	DESCRIPTION	HOSE I.D <i>inch</i>	HOSE DASH	D <i>mm</i>	A <i>mm</i>	H <i>mm</i>
400-2445-0808	1/2 x 1.1/4	1/2	08-	31.75	59	22
400-2445-0812	1/2 x 1.5/8	1/2	08-	41.3	71	28
400-2445-1012	5/8 x 1.5/8	5/8	10-	41.3	75	28
400-2445-1212	3/4 x 1.5/8	3/4	12-	41.3	75	28
400-2445-1216	3/4 x 1.7/8	3/4	12-	47.6	90	32
400-2445-1616	1 x 1.7/8	1	16-	47.6	88	35
400-2445-1620	1 x 2.1/8	1	16-	54	92	37
400-2445-2020	1.1/4 x 2.1/8	1.1/4	20-	54	102	42
400-2445-2024	1.1/4 x 2.1/2	1.1/4	20-	63.5	133	57
400-2445-2424	1.1/2 x 2.1/2	1.1/2	24-	63.5	120	57
400-2445-3232	2 x 3.1/8	2	32-	79.4	150	66

400-2490

Flanged R12-R13 elbow 90 code 62

Solid piece, carbon steel (code 62) 90 swept flanged fitting for crimping on high pressure hydraulic hoses

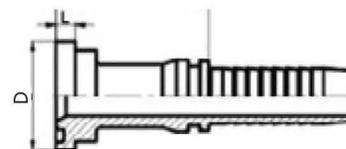


PART NO.	DESCRIPTION	HOSE I.D <i>inch</i>	HOSE DASH	D <i>mm</i>	A <i>mm</i>	H <i>mm</i>
400-2490-0808	1/2 x 1.1/4	1/2	08-	31.75	42	44
400-2490-0812	1/2 x 1.5/8	1/2	08-	41.3	39	48
400-2490-1012	5/8 x 1.5/8	5/8	10-	41.3	55	57
400-2490-1212	3/4 x 1.5/8	3/4	12-	41.3	57	57
400-2490-1216	3/4 x 1.7/8	3/4	12-	47.6	57	63
400-2490-1616	1 x 1.7/8	1	16-	47.6	70	70
400-2490-1620	1 x 2.1/8	1	16-	54	76	77
400-2490-2020	1.1/4 x 2.1/8	1.1/4	20-	54	85	88
400-2490-2024	1.1/4 x 2.1/2	1.1/4	20-	63.5	85	96
400-2490-2424	1.1/2 x 2.1/2	1.1/2	24-	63.5	99	104
400-2490-2432	1.1/2 x 3.1/8	1.1/2	24-	79.4	99	116
400-2490-3232	2 x 3.1/8	2	32-	79.4	125	136

400-2500

Flanged R12-R13 Straight CAT

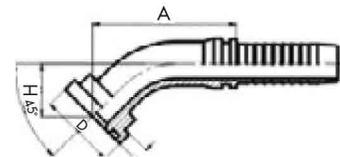
Solid piece, carbon steel supercat flanged fitting for crimping on high pressure hydraulic hoses.



PART NO.	DESCRIPTION	HOSE I.D <i>inch</i>	HOSE DASH	D <i>mm</i>
400-2500-1212	3/4 x 1.5/8	3/4	12-	41.3
400-2500-1216	3/4 x 1.7/8	3/4	12-	47.6
400-2500-1616	1 x 1.7/8	1	16-	47.6
400-2500-1620	1 x 2.1/8	1	16-	54
400-2500-2020	1.1/4 x 2.1/8	1.1/4	20-	54
400-2500-2024	1.1/4 x 2.1/2	1.1/4	20-	63.5
400-2500-2424	1.1/2 x 2.1/2	1.1/2	24-	63.5
400-2500-2432	1.1/2 x 3.1/8	1.1/2	24-	79.4
400-2500-3232	2 x 3.1/8	2	32-	79.4

400-2545

Flanged R12-R13 elbow 45 CAT

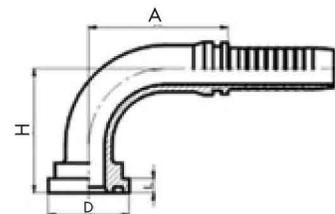


Solid-piece, carbon steel super cat 45 sweep flanged fitting for crimping on high pressure hydraulic hoses.

PART NO.	DESCRIPTION	HOSE I.D <i>inch</i>	HOSE DASH	D <i>mm</i>	A <i>mm</i>	H <i>mm</i>
400-2545-1212	3/4 x 1.5/8	3/4	12-	41.3	88	32
400-2545-1216	3/4 x 1.7/8	3/4	12-	47.6	93	37
400-2545-1616	1 x 1.7/8	1	16-	47.6	115	42
400-2545-1620	1 x 2.1/8	1	16-	54	115	46
400-2545-2020	1.1/4 x 2.1/8	1.1/4	20-	54	131	53
400-2545-2024	1.1/4 x 2.1/2	1.1/4	20-	63.5	136	57
400-2545-2424	1.1/2 x 2.1/2	1.1/2	24-	63.5	154	58
400-2545-2432	1.1/2 x 3.1/8	1.1/2	24-	79.4	163	66
400-2545-3232	2 x 3.1/8	2	32-	79.4	198	71

400-2590

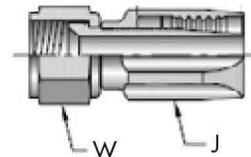
Flanged R12-R13 elbow 90 CAT



Solid-piece, carbon steel super cat 90 sweep flanged fitting for crimping on high pressure hydraulic hoses.

PART NO.	DESCRIPTION	HOSE I.D <i>inch</i>	HOSE DASH	HEAD <i>mm</i>	A <i>mm</i>	H <i>mm</i>
400-2590-1212	3/4 x 1.5/8	3/4	12-	41.3	56	60
400-2590-1216	3/4 x 1.7/8	3/4	12-	47.6	56	67
400-2590-1616	1 x 1.7/8	1	16-	47.6	71	79
400-2590-1620	1 x 2.1/8	1	16-	54	72	85
400-2590-2020	1.1/4 x 2.1/8	1.1/4	20-	54	85	90
400-2590-2024	1.1/4 x 2.1/2	1.1/4	20-	63.5	91	92
400-2590-2424	1.1/2 x 2.1/2	1.1/2	24-	63.5	99	104
400-2590-2432	1.1/2 x 3.1/8	1.1/2	24-	79.4	99	112
400-2590-3232	2 x 3.1/8	2	32-	79.4	125	136

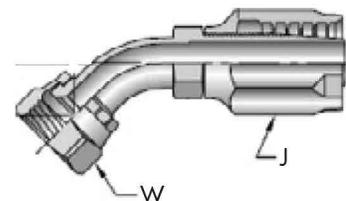
1500 FEMALE REUSABLE JIC STRAIGHT FOR HOSE R5



PART NO.	THREAD <i>inch</i>	HOSE ID <i>inch</i>	W <i>adju</i> s	J <i>ferrul</i>
15000304	7/16	3/16	9/16	5/8
15000404	7/16	1/4	9/16	11/16
15000405	1/2	1/4	5/8	11/16
15000406	9/16	1/4	11/16	11/16
15000506	9/16	5/16	11/16	13/16
15000508	3/4	5/16	7/8	13/16
15000808	3/4	13/32	7/8	15/16
15001008	3/4	1/2	7/8	1.1/8
15000810	7/8	13/32	1	15/16
15001010	7/8	1/2	1	1.1/8
15001012	7/8	5/8	1	1.1/4
15001212	1.1/16	5/8	1.1/4	1.1/4
15001616	1.5/16	7/8	1.1/2	1.7/16
15002020	1.5/8	1.1/8	2	1.3/4
15002424	1.7/8	1.3/8	2.1/4	2
15003232	2.1/2	1.13/16	2.7/8	2.1/2

■ for R12 the code begin by 400-, example: 400-1000-0302 sinterlock code begin by 600

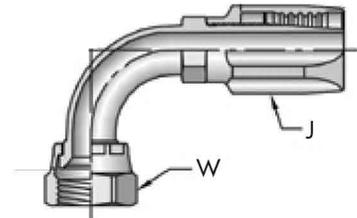
1545 FEMALE REUSABLE JIC ELBOW 45 FOR HOSE R5



PART NO.	THREAD <i>inch</i>	HOSE ID <i>inch</i>	HEX W <i>adju</i> s	HEX J <i>ferrul</i>
15450304	7/16	3/16	9/16	5/8
15450404	7/16	1/4	9/16	11/16
15450405	1/2	1/4	5/8	11/16
15450406	9/16	1/4	11/16	11/16
15450506	9/16	5/16	11/16	13/16
15450508	3/4	5/16	7/8	13/16
15450808	3/4	13/32	7/8	15/16
15451008	3/4	1/2	7/8	1.1/8
15450810	7/8	13/32	1	15/16
15451010	7/8	1/2	1	1.1/8
15451012	7/8	5/8	1	1.1/4
15451212	1.1/16	5/8	1.1/4	1.1/4
15451616	1.5/16	7/8	1.1/2	1.7/16
15452020	1.5/8	1.1/8	2	1.3/4
15452424	1.7/8	1.3/8	2.1/4	2
15453232	2.1/2	1.13/16	2.7/8	2.1/2

■ for R12 the code begin by 400-, example: 400-1000-0302 interlock code begin by 600

1590 FEMALE REUSABLE JIC ELBOW 90 FOR HOSE R5



PART NO.	THREAD <i>inch</i>	HOSE ID <i>inch</i>	HEX W <i>adjus</i>	HEX J <i>ferrul</i>
15900304	7/16	3/16	9/16	5/8
15900404	7/16	1/4	9/16	11/16
15900405	1/2	1/4	5/8	11/16
15900406	9/16	1/4	11/16	11/16
15900506	9/16	5/16	11/16	13/16
15900508	3/4	5/16	7/8	13/16
15900808	3/4	13/32	7/8	15/16
15901008	3/4	1/2	7/8	1.1/8
15900810	7/8	13/32	1	15/16
15901010	7/8	1/2	1	1.1/8
15901012	7/8	5/8	1	1.1/4
15901212	1.1/16	5/8	1.1/4	1.1/4
15901616	1.5/16	7/8	1.1/2	1.7/16
15902020	1.5/8	1.1/8	2	1.3/4
15902424	1.7/8	1.3/8	2.1/4	2
15903232	2.1/2	1.13/16	2.7/8	2.1/2

■ for R12 the code begin by 400-, example: 400-1000-0302 interlock code begin by 600



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Products **guide**



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