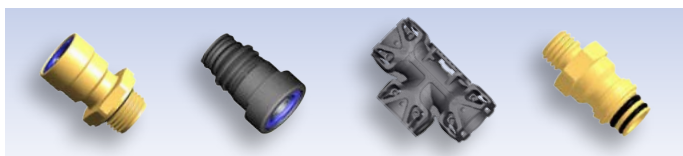


COUPLING CATALOGUE

Push-In, Standard, Conventional, Accessories



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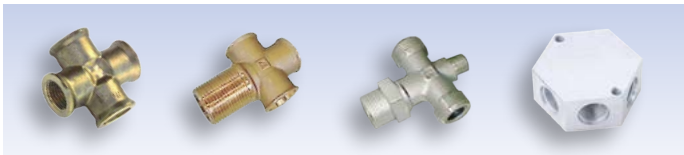
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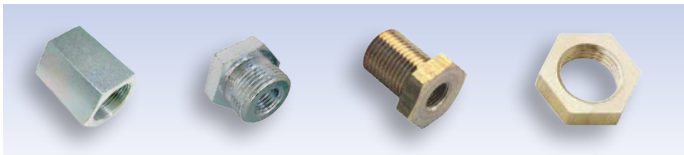
We reserve the right to any changes.
Edition 02.15 (en)
815 010 080 3



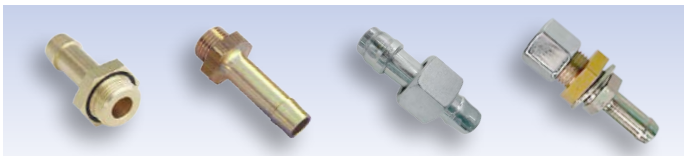
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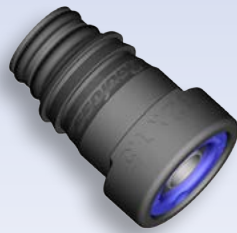
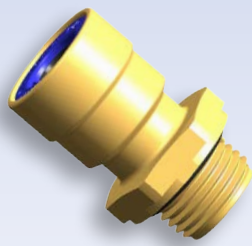


Accessories 50



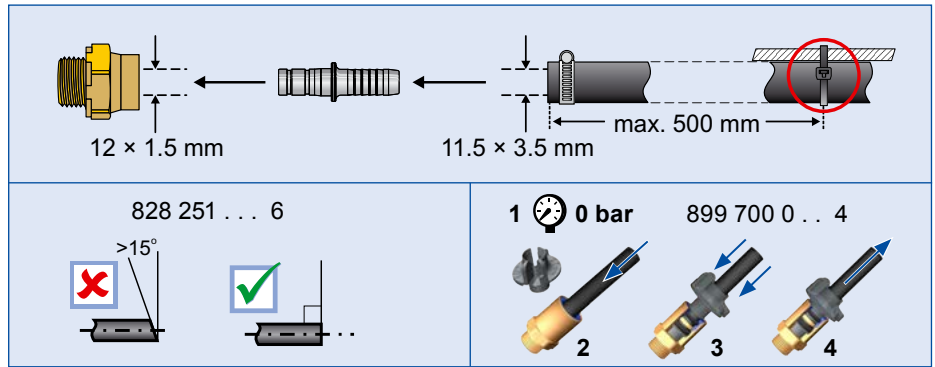
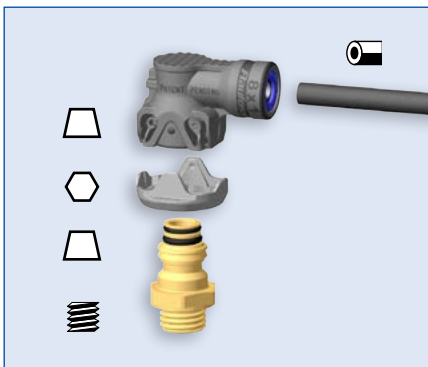
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PUSH-IN AND COMPOSITE BUILDING BLOCK



Coupling Catalogue

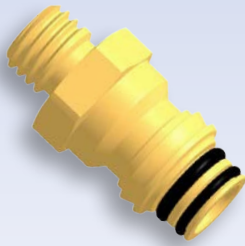
Push-in and Composite Building Block



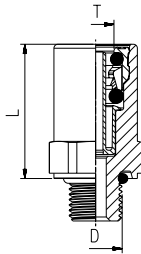
	6 × 1.0 8 × 1.0	6 × 1.0 – 12 × 1.5	12 × 1.5 15 × 1.5 16 × 2.0

	"New Line" 	
6 × 1.0	80 N / 19.5 mm	30 mm
8 × 1.0	90 N / 20.5 mm	40 mm
10 × 1.0	100 N / 24.0 mm	60 mm
10 × 1.25	100 N / 24.0 mm	60 mm
10 × 1.5	100 N / 24.0 mm	60 mm
12 × 1.5	110 N / 25.0 mm	60 mm
15 × 1.5	125 N / 27.0 mm	90 mm
16 × 2.0	130 N / 27.0 mm	95 mm
18 × 2.0	130 N / 27.0 mm	100 mm

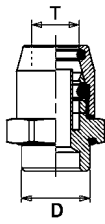
16	899 700 111 4	–	–
18	899 700 112 4	899 700 114 4	–
20	–	899 700 115 4	–
22	899 700 113 4	899 700 116 4	899 700 118 4
28	–	899 700 117 4	899 700 119 4



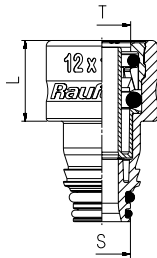
Push-in and Composite Building Block



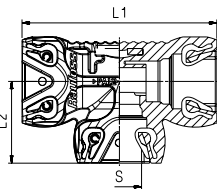
\varnothing T	D	L	Hex.	WABCO #
6×1.0	M10×1.0	25	16	893 800 801 2
6×1.0	M12×1.5	24	18	893 800 802 2
6×1.0	M14×1.5	16	20	893 800 803 2
6×1.0	M16×1.5	12	22	893 800 082 2
6×1.0	M22×1.5	12	28	893 800 804 2
8×1.0	M10×1.0	27	18	893 800 805 2
8×1.0	M12×1.5	26	18	893 800 007 2
8×1.0	M14×1.5	25	20	893 800 806 2
8×1.0	M16×1.5	17	22	893 800 001 2
8×1.0	M22×1.5	13	28	893 800 005 2
10×1.0	M12×1.5	28	20	893 800 807 2
10×1.0	M14×1.5	28	22	893 800 816 2
10×1.0	M16×1.5	28	22	893 800 009 2
10×1.0	M22×1.5	17	28	893 800 808 2
10×1.25	M12×1.5	28	20	893 800 809 2
10×1.25	M16×1.5	28	22	893 800 812 2
10×1.25	M22×1.5	17	28	893 800 821 2
10×1.5	M12×1.5	28	20	893 800 817 2
10×1.5	M16×1.5	28	22	893 800 818 2
10×1.5	M22×1.5	17	28	893 800 819 2
12×1.5	M12×1.5	31	22	893 800 813 2
12×1.5	M16×1.5	30	22	893 800 002 2
12×1.5	M22×1.5	19	28	893 800 008 2
15×1.5	M16×1.5	33	28	893 800 820 2
15×1.5	M22×1.5	31	28	893 800 004 2
16×2.0	M16×1.5	33	28	893 800 814 2
16×2.0	M22×1.5	31	28	893 800 003 2



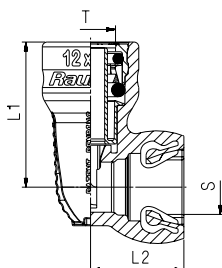
\varnothing T	D	Hex.	WABCO #
9×1.5	M12×1.5	20	893 800 009 0
10×1.0	M10×1.0	20	893 800 034 0
10×1.25	M14×1.5	20	893 803 043 0
10×1.5	1/4 - 18 NPTF	20	893 800 036 0
10×1.5	M10×1.0	20	893 820 002 0
10×1.5	M14×1.5	20	893 803 992 0
11×1.5	M16×1.5	22	893 800 037 0
12×1.5	M10×1.0	22	893 820 004 0
12×1.5	M14×1.5	22	893 803 031 0
15×1.5	M14×1.5	26	893 800 038 0
15×1.5	M26×1.5	32	893 803 990 0
15×2.0	M22×1.5	28	893 803 033 0
16×2.0	M12×1.5	26	893 800 042 0
16×2.0	M14×1.5	26	893 800 043 0
18×2.0	M16×1.5	30	893 803 983 0
18×2.0	M22×1.5	28	893 803 013 0
18×2.0	M26×1.5	32	893 803 989 0



S	\varnothing T	L	WABCO #
S	6×1.0	4	893 800 094 2
R	6×1.0	4	893 800 095 2
S	8×1.0	10	893 800 096 2
R	8×1.0	8	893 800 091 2
R	10×1.0	11	893 800 092 2
R	10×1.25	11	893 800 100 2
R	10×1.5	11	893 800 101 2
R	12×1.5	18	893 800 093 2
HD	12×1.5	18	893 800 097 2
HD	15×1.5	21	893 800 098 2
HD	16×2.0	21	893 800 099 2

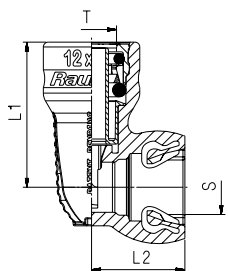


S (3x)	L1	L2	WABCO #
S	53	22	893 503 071 4
R	62	26	893 503 072 4
HD	73	31	893 503 073 4

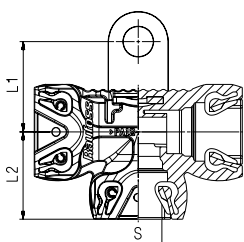


S	\varnothing T	L1	L2	WABCO #
S	6×1.0	32	18	893 920 321 2
R	6×1.0	31	21	893 920 322 2
S	8×1.0	34	18	893 920 323 2
R	8×1.0	33	21	893 920 324 2
R	10×1.0	35	24	893 920 325 2

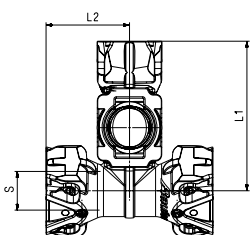
Push-in and Composite Building Block



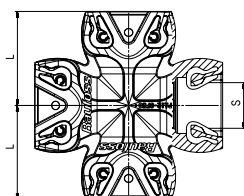
S	\varnothing T	\longleftrightarrow L1	\longleftrightarrow L2	WABCO #
	10×1.25	35	24	893 920 379 2
	10×1.5	35	24	893 920 380 2
	12×1.5	37	24	893 920 326 2
	15×1.5	46	24	893 920 327 2
	16×2.0	46	24	893 920 328 2



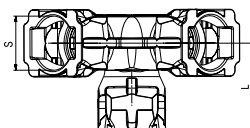
S (3×)	\longleftrightarrow L1	\longleftrightarrow L2	WABCO #
	27	26	893 503 070 4



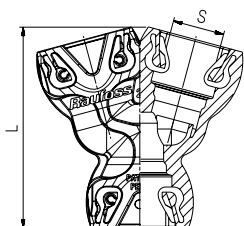
S (4×)	\longleftrightarrow L1	\longleftrightarrow L2	WABCO #
	50	28	893 905 801 4
	59	33	893 905 802 4



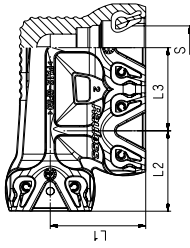
S (4×)	\longleftrightarrow L	WABCO #
	29	893 550 012 4
	34	893 550 013 4



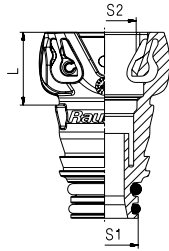
S (3×)	\longleftrightarrow L	WABCO #
	24	893 550 016 4
	28	893 550 017 4
	33	893 550 018 4



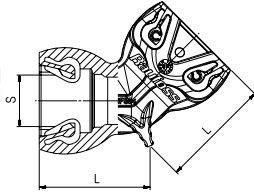
S (3×)	\longleftrightarrow L	WABCO #
	47	893 400 866 4
	55	893 400 867 4



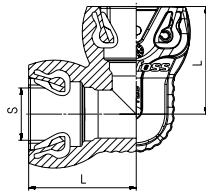
S (3x)	\varnothing T	\longleftrightarrow L1	\longleftrightarrow L2	WABCO #
	27	22	23	893 997 794 4
	31	26	27	893 997 795 4
	36	31	32	893 997 796 4



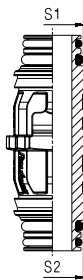
S1	S2	\longleftrightarrow L1	WABCO #
		15	893 920 241 4



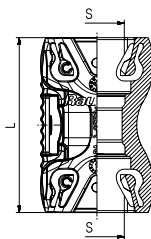
S (2x)	\longleftrightarrow L	WABCO #
	22	893 400 861 4
	25	893 400 862 4
	30	893 400 863 4



S (2x)	\longleftrightarrow L	WABCO #
	29	893 400 864 4
	34	893 400 865 4

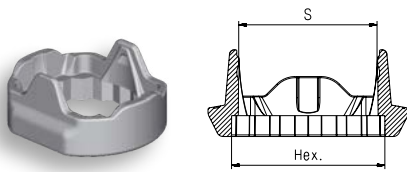


S1	S2	Hex.	WABCO #	Rotolock
		18	893 997 789 4	899 700 112 4
		18	893 997 790 4	899 700 112 4
		18	893 997 791 4	899 700 114 4
		18	893 997 792 4	899 700 114 4
		22	893 997 793 4	899 700 118 4

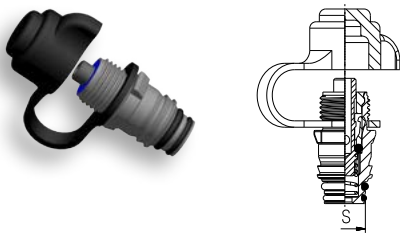


S (2x)	\longleftrightarrow L	WABCO #
	39	893 997 787 4
	45	893 997 788 4

Push-in and Composite Building Block

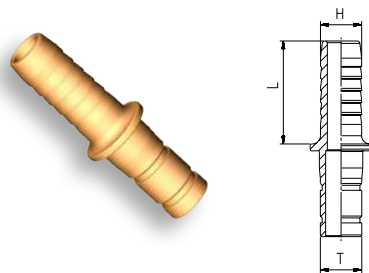


S	Hex.	WABCO #
	16	899 700 111 4
	18	899 700 112 4
	22	899 700 113 4
	18	899 700 114 4
	20	899 700 115 4
	22	899 700 116 4
	28	899 700 117 4
	22	899 700 118 4
	28	899 700 119 4



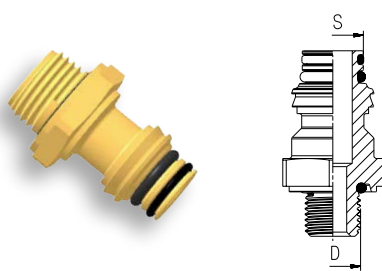
S	WABCO #
	893 880 011 0

Standard: ISO 3583

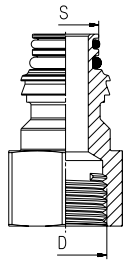


\varnothing T	H	L	WABCO #
12x1.5	11	30	893 129 467 4

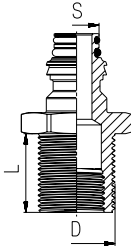
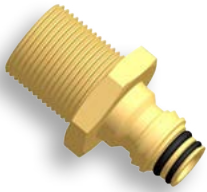
Application: Only for push-in 893 800 813 2, 893 800 002 2, 893 800 008 2 (New-Line Push-in Couplings Tube Size 12x1.5)



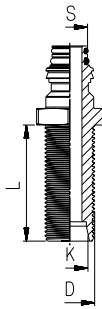
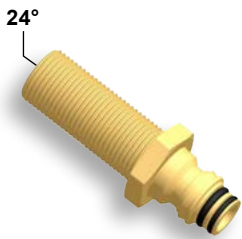
S	D	Hex.	WABCO #	Rotolock
	M10x1.0	16	893 920 311 2	899 700 111 4
	M10x1.0	18	893 920 312 2	899 700 114 4
	M12x1.5	18	893 920 313 2	899 700 112 4
	M12x1.5	18	893 920 314 2	899 700 114 4
	M14x1.5	20	893 920 369 2	899 700 115 4
	M14x1.5	20	893 920 315 2	899 700 115 4
	M16x1.5	22	893 920 316 2	899 700 113 4
	M16x1.5	22	893 920 317 2	899 700 116 4
	M16x1.5	22	893 920 319 2	899 700 118 4
	M22x1.5	28	893 920 318 2	899 700 117 4
	M22x1.5	28	893 920 320 2	899 700 119 4



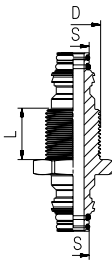
S	D	Hex.	WABCO #	Rotolock
R	M12×1.5	18	893 920 364 2	899 700 114 4
R	M14×1.5	18	893 920 370 2	899 700 114 4
R	M16×1.5	22	893 920 365 2	899 700 116 4
R	M22×1.5	28	893 920 366 2	899 700 117 4



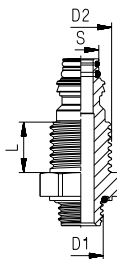
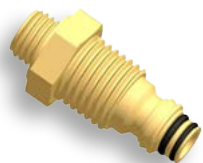
S	D1	D2	L	Hex.	WABCO #	Rotolock
R	M18×1.5	M12×1.5	14	22	893 770 017 2	899 700 116 4
R	M22×1.5	M16×1.5	23	28	893 770 145 2	899 700 117 4
HD	M28×1.5	M22×1.5	24	34	893 770 151 2	-



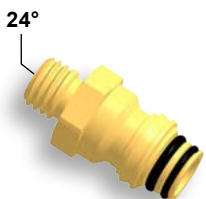
S	D	L	K	Hex.	WABCO #	Rotolock
R	M16×1.5	35	24°	22	893 770 016 2	899 700 116 4
R	M18×1.5	42	24°	24	893 770 149 2	-



S	D1	L	Hex.	WABCO #	Rotolock
R	M22×1.5	20	28	893 770 146 2	899 700 117 4
HD	M22×1.5	20	28	893 770 150 2	899 700 119 4

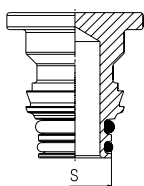






S	D1	D2	L	Hex.	WABCO #
R	M16×1.5	M22×1.5	18	28	893 770 147 2
R	M22×1.5	M22×1.6	18	28	893 770 148 2

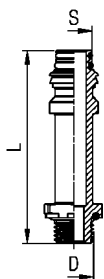







S	D1	K	Hex.	WABCO #	Rotolock
R	M12×1.5	24°	18	893 920 367 2	899 700 114 4

Push-in and Composite Building Block




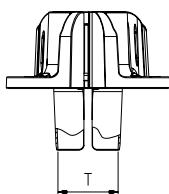
 S	WABCO #
	893 920 311 4
	893 920 312 4
	893 920 313 4




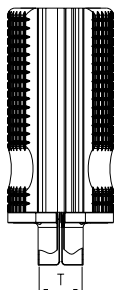
 S	 D	 L	 Hex.	WABCO #
	M14×1.5	55	20	893 920 368 2




 T	WABCO #
6×1.0	899 022 023 4
8×1.0	893 022 001 4
12×1.5	893 022 016 4
15×1.5	893 022 017 4
16×2.0	893 022 018 4

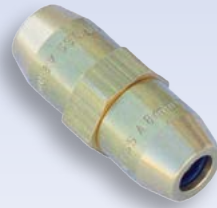
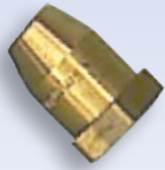


 T	WABCO #
6×1.0	899 700 017 4
8×1.0	899 700 001 4
10×1.0 10×1.25 10×1.5	899 700 007 4
12×1.5	899 700 002 4
15×1.5	899 700 008 4
16×2.0	899 700 003 4



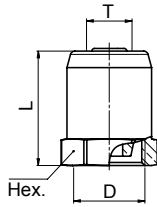
 T	WABCO #
6×1.0	899 700 011 4
8×1.0	899 700 012 4
10×1.0 10×1.25 10×1.5	899 700 013 4
12×1.5	899 700 014 4
15×1.5	899 700 015 4
16×2.0	899 700 016 4

STANDARD CONNECTORS

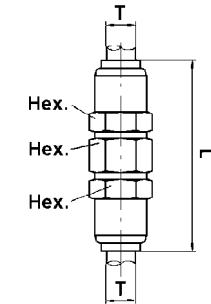


Coupling Catalogue

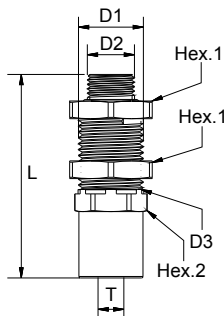
Standard Connectors



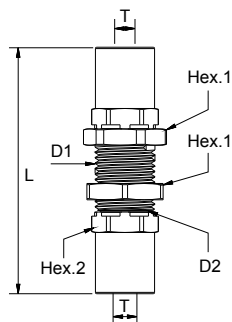
\varnothing T	D	L	Hex.	WABCO #
6×1.0	M12×1.5	~23.3	15	893 771 236 4
8×1.0	M14×1.5	~23.3	17	893 771 234 4
10×1.0	M16×1.5	~25.8	19	893 771 233 4
12×1.5	M18×1.5	~26.8	22	893 771 235 4



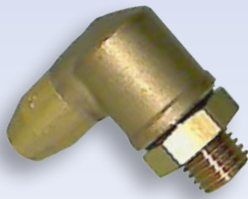
\varnothing T	L	Hex.	WABCO #
15×2.0	79	28	893 831 226 0



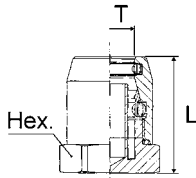
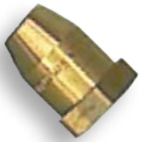
\varnothing T	D			L	Hex.		WABCO #
	1	2	3		1	2	
10×1.0	M16×1.5	M22×1.5	M16×1.5	67	28	22	893 831 219 0
12×1.5	M16×1.5	M22×1.5	M16×1.5	69	28	22	893 831 261 0
12×1.5	M22×1.5	M22×1.5	M16×1.5	69	28	22	893 831 269 0



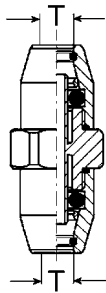
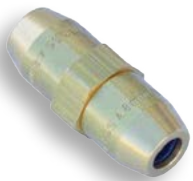
\varnothing T	D		L	Hex.		WABCO #
	1	2		1	2	
12×1.5	M22×1.5	M16×1.5	90	28	22	893 831 217 0



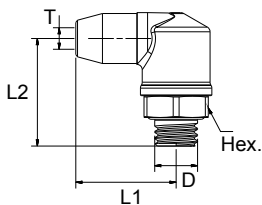
Standard Connectors



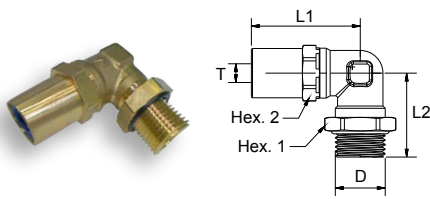
\varnothing T	L	Hex.	WABCO #
6×1.0	21.6	16	893 800 027 0
12×1.5	28.5	22	893 800 028 0



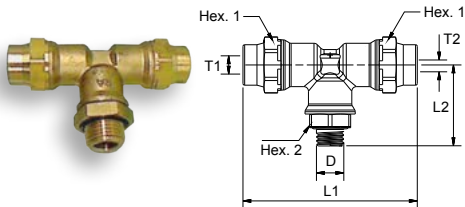
\varnothing T	WABCO #
4×1.0	893 800 045 0
6×1.0	893 803 034 0
8×1.0	893 803 037 0
10×1.0	893 803 038 0
10×1.25	893 800 046 0
10×1.5	893 803 991 0
11×1.5	893 800 047 0
12×1.5	893 803 039 0
15×1.5	893 803 041 0
16×2.0	893 803 046 0
18×2.0	893 800 051 0



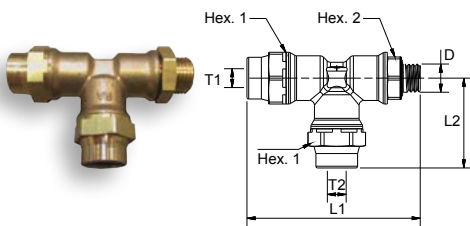
\varnothing T	D	L1	L2	Hex.	WABCO #
6×1.0	M12×1.5	28.1	30	18	893 831 223 0
8×1.0	M12×1.5	29	33	18	893 831 291 0
8×1.0	M22×1.5	29	34	28	893 831 292 0
8×1.0	M16×1.5	29	34	22	893 831 293 0
10×1.0	M12×1.5	32.6	33	18	893 831 263 0
10×1.0	M16×1.5	32.6	34	22	893 831 297 0
10×1.0	M22×1.5	32.6	34	28	893 831 298 0
12×1.5	M22×1.5	34	34	28	893 831 294 0
12×1.5	M16×1.5	34	34	22	893 831 295 0
15×1.5	M22×1.5	36	35.5	28	893 831 273 0



Ø T	D	L		Hex.		WABCO #
		1	2	1	2	
10×1.0	M16×1.5	45	37	22	22	893 831 274 0
10×1.0	M22×1.5	46	37	28	28	893 831 279 0
12×1.5	M22×1.5	48	37	28	22	893 831 264 0
12×1.5	M16×1.5	47	37	22	22	893 831 299 0
15×1.5	M16×1.5	48.5	37	22	22	893 831 215 0
15×1.5	M22×1.5	55.5	40	28	28	893 831 267 0
16×2.0	M22×1.5	55.5	40	28	28	893 831 216 0
18×2.0	M22×1.5	55.5	40	28	28	893 831 278 0

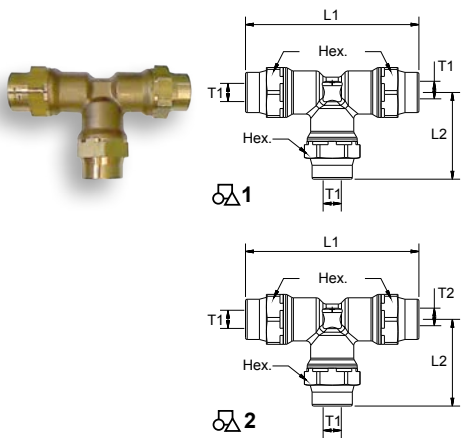


Ø T		D	L		Hex.		WABCO #
1	2		1	2	1	2	
8×1.0	8×1.0	M16×1.5	76.5	36.5	22	22	893 831 283 0
8×1.0	8×1.0	M22×1.5	76.5	36.5	22	28	893 831 275 0
10×1.0	10×1.0	M22×1.5	100	36.5	22	28	893 831 266 0
10×1.0	10×1.0	M16×1.5	100	36.5	22	22	893 831 281 0
12×1.5	8×1.0	M22×1.5	90	36.5	22	28	893 831 212 0
12×1.5	12×1.5	M16×1.5	103	36.5	22	22	893 831 271 0



Ø T		D	L		Hex.		WABCO #
1	2		1	2	1	2	
8×1.0	8×1.0	M12×1.5	74	38	22	18	893 831 211 0
8×1.0	8×1.0	M16×1.5	75	38	22	22	893 831 285 0
8×1.0	8×1.0	M22×1.5	75	38	22	28	893 831 284 0
8×1.0	12×1.5	M22×1.5	75	51.5	22	28	893 831 289 0
10×1.0	10×1.0	M16×1.5	86	50	22	22	893 831 272 0
12×1.5	10×1.0	M22×1.5	88	50	22	28	893 831 213 0
12×1.5	12×1.5	M22×1.5	88	51.5	22	28	893 831 277 0

Standard Connectors



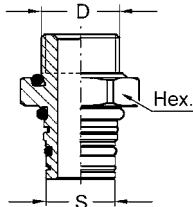
∅ T		L		Hex.	⊗	WABCO #
1	2	1	2			
8×1.0	-	76	38	22	1	893 831 296 0
8×1.0	6×1.0	72	38	22	2	893 831 214 0
10×1.0	-	100	50	22	1	893 831 268 0
12×1.5	-	103	51.5	22	1	893 831 265 0
15×1.5	-	109	54.5	28	1	893 831 288 0

QUICK CONNECTION SYSTEMS P5

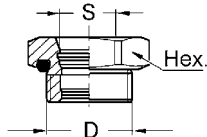


Coupling Catalogue

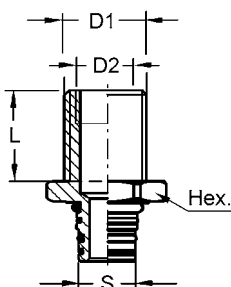
Quick Connection Systems P5



D	S	Hex.	WABCO #
M10×1.5	P5	-	893 920 342 4
M12×1.5	P5	18	893 129 191 2
M14×1.5	P5	20	893 820 887 2
M16×1.5	P5	22	893 129 192 2
M22×1.5	P5	28	893 129 193 2
M26×1.5	P5	32	893 120 009 4
1/8" - 27NPTF	P5	20	893 820 001 2
1/4" - 18NPTF	P5	-	893 129 453 2
3/8" - 18NPTF	P5	-	893 320 854 2
G1/4"	P5	20	893 905 794 2



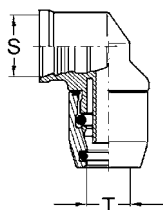
D	S	Hex.	WABCO #
M22×1.5	P5	28	893 803 981 2



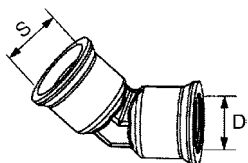
D1	D2	S	\longleftrightarrow L	Hex.	WABCO #
M18×1.5	K24° - 12	P5	34	24	893 129 444 2
M22×1.5	M16×1.5	P5	24	28	893 129 196 2
M22×1.5	3/8" - 18NPTF	P5	24	28	893 120 015 4



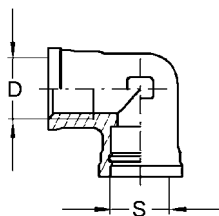
Quick Connection Systems P5



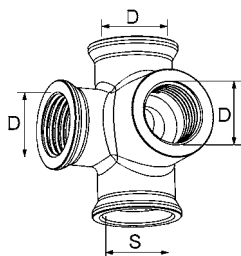
\varnothing T	S	WABCO #
6×1.0	P5	893 803 981 0
8×1.0	P5	893 831 177 0
10×1.0	P5	893 831 178 0
10×1.25	P5	893 831 501 0
10×1.5	P5	893 401 002 0
12×1.5	P5	893 831 182 0
15×1.5	P5	893 831 181 0
15×2.0	P5	893 830 000 0
16×2.0	P5	893 831 183 0



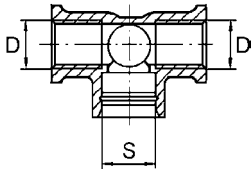
D	S	WABCO #
M16×1.5	P5	893 401 797 4




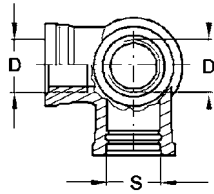
D	S	WABCO #
M12×1.5	P5	893 401 827 2
M16×1.5	P5	893 401 015 2




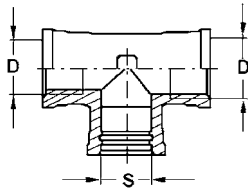
D	S	WABCO #
M16×1.5	P5	893 920 000 4




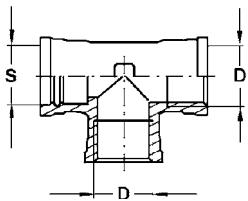
 D	S	WABCO #
M16×1.5	P5	893 550 002 4




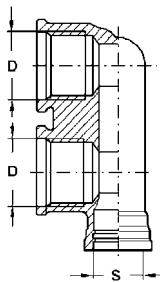
 D	S	WABCO #
M16×1.5	P5	893 401 294 4




 D	S	WABCO #
M12×1.5	P5	893 501 195 4
M16×1.5	P5	893 501 196 4

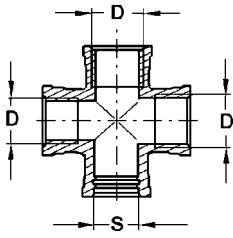



 D	S	WABCO #
M12×1.5	P5	893 501 193 4
M16×1.5	P5	893 501 194 4



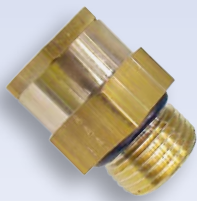
 D	S	WABCO #
M16×1.5	P5	893 401 818 4

Quick Connection Systems P5



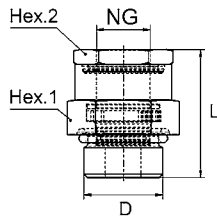
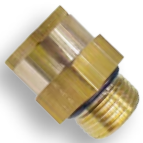
 D	S	WABCO #
M16×1.5	P5	893 550 001 4

QUICK CONNECTION SYSTEMS NG



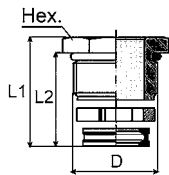
Coupling Catalogue

Quick Connection Systems NG

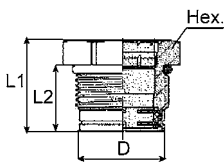


D	NG	L	Hex.		WABCO #
			1	2	
M16×1.5	8 / Voss 230	40	22	19	893 226 689 2
M22×1.5	12 / Voss 230	35.6	27	24	893 226 690 2

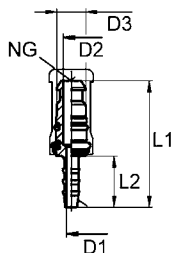
Adaption of Voss threaded port systems 232 to 230. Installation of a valve with Voss 232 in a device with Voss 230 piping



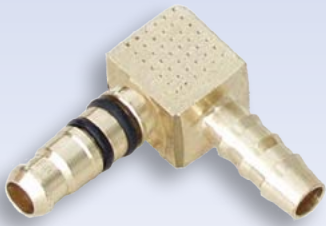
D	NG	L		Hex.	WABCO #
		1	2		
M16×1.5	8 / Voss 230	16.5	12.4	19	893 220 920 2
M22×1.5	12 / Voss 230	16.5	12.4	24	893 220 921 2



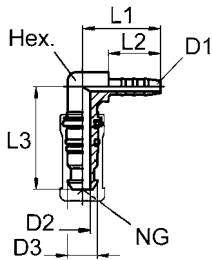
D	NG	L		Hex.	WABCO #
		1	2		
M16×1.5	8 / Voss 232	21	15.4	19	893 226 682 2
M22×1.5	12 / Voss 232	21	15.4	24	893 226 683 2



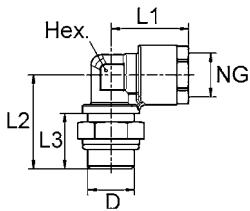
NG	D			L		WABCO #
	1	2	3	1	2	
8	6×1	4.9	9.1	39.5	16	893 920 338 2
12	12×1	10	14.6	45.5	22	893 920 351 2



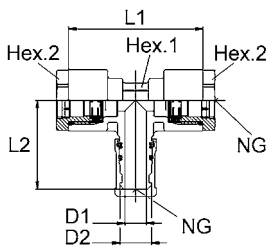
Quick Connection Systems NG



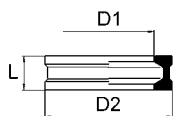
NG	D			↔ L			Hex.	WABCO #
	1	2	3	1	2	3		
8	6×1	4.9	9.1	24	16	31.5	12	893 920 340 2



NG	D	↔ L			Hex.	WABCO #
		1	2	3		
12	M22×1.5	36.6	44	26	19	893 831 749 2

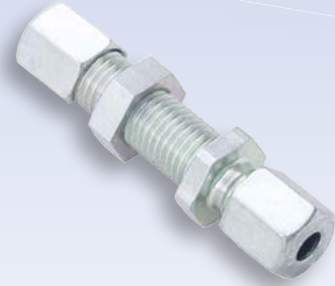


NG	D		↔ L		Hex.		WABCO #
	1	2	1	2	1	2	
12	10	14.6	73.2	41	17	24	893 920 342 2



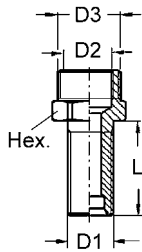
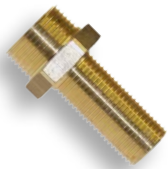
NG	D1	D2	↔ L	WABCO #
12	10.9	15.2	4	897 017 967 4

CONVENTIONAL COUPLINGS - STRAIGHT CONNECTORS

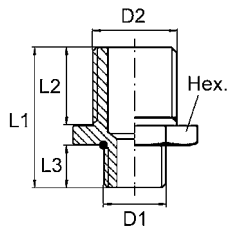


Coupling Catalogue

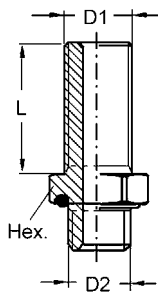
Conventional Couplings - Straight Connectors



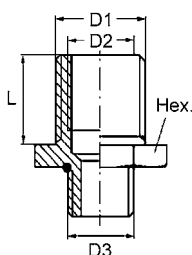
D		3	L1	Hex.	WABCO #
1	2				
M16×1.5	M16×1.5	M22×1.5	34	24	893 104 065 4
M18×1.5	M16×1.5	-	34	24	893 820 000 2
M16×1.5	M16×1.5	-	34	24	893 820 009 2



D		L			Hex.	WABCO #
1	2	1	2	3		
M16×1.5	M16×1.5	39	24	9	22	893 890 820 0
M16×1.5	M22×1.5	-	-	-	24	893 280 004 2

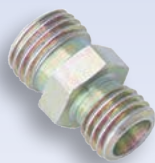


D1	D2	L	Hex.	WABCO #
M12×1.5	M14×1.5	24	20	893 100 001 2
M12×1.5	M12×1.5	24	18	893 104 053 2
M16×1.5	M16×1.5	20	22	893 104 054 2
M16×1.5	M16×1.5	35	22	893 104 055 2
M22×1.5	M16×1.5	24	28	893 104 291 2
M16×1.5	M16×1.5	24	22	893 104 772 2
M22×1.5	M22×1.5	24	28	893 104 773 2
M22×1.5	M16×1.5	24	28	893 104 774 2
M16×1.5	M16×1.5	40	22	893 104 790 2
M12×1.5	M16×1.5	19.5	22	893 104 795 2

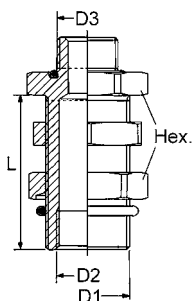


D		3	L	Hex.	WABCO #
1	2				
M22×1.5	M16×1.5	M22×1.5	40	28	893 104 056 2
M22×1.5	M16×1.5	M16×1.5	40	28	893 104 061 2
M22×1.5	M16×1.5	M16×1.5	24	28	893 104 292 2
M22×1.5	M16×1.5	M22×1.5	24	28	893 104 294 2
M22×1.5	M16×1.5	1/2-14 NPTF*	24	28	893 104 800 2

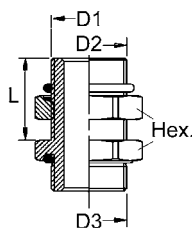
*without O-ring sealing on thread



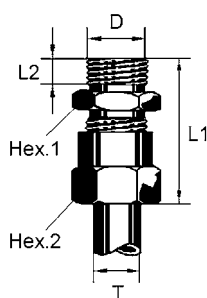
Conventional Couplings - Straight Connectors



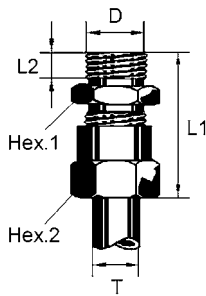
1	D	3	\longleftrightarrow L	Hex.	WABCO #
M22×1.5	M16×1.5	M16×1.5	40	28	893 100 002 4



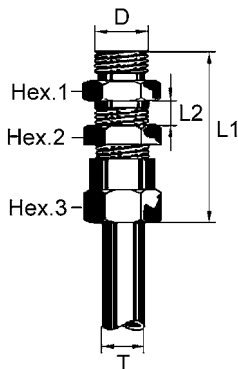
1	D	3	\longleftrightarrow L	Hex.	WABCO #
M22×1.5	M16×1.5	M22×1.5	24	28	893 104 296 2
M22×1.5	M16×1.5	M16×1.5	24	28	893 104 297 2



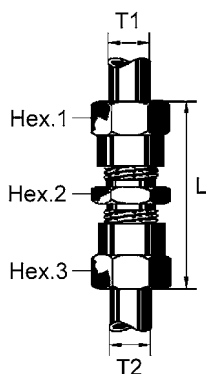
\varnothing T	D	\longleftrightarrow L		Hex.		WABCO #
		1	2	1	2	
6	M12×1.5	37	10	17	14	893 800 014 0
6	M22×1.5	37	12	27	14	893 800 022 0
6	M10×1	31	8	14	14	893 800 294 0
6	M16×1.5	36	12	22	14	893 809 010 0
8	M22×1.5	40	12	27	17	893 800 224 0
8	M12×1.5	35	10	17	17	893 800 234 0
8	M14×1.5	35	10	17	17	893 800 244 0
8	M16×1.5	36	12	-	22	893 809 020 0
8	M10×1	33	8	17	17	893 800 304 0
8	R1/4"	36	12	17	17	893 800 894 0
8	R1/4"-18NPTF	38	15,1	17	17	893 800 904 0
8	R1/8"	31	8	17	17	893 800 994 0
10	M12×1.5	39	10	19	19	893 800 044 0
10	M22×1.5	40	12	27	19	893 800 101 0
10	M22×1.5	40	12	27	19	893 800 109 0
10	M10×1	35	8	19	19	893 800 914 0
10	M16×1.5	37	12	22	19	893 801 994 0



Ø T	D	L		Hex.		WABCO #
		1	2	1	2	
12	M22×1.5	37	12	27	22	893 800 964 0
12	M16×1.5	37	12	22	22	893 800 974 0
12	M12×1.5	34	10	19	22	893 800 984 0
12	R1/4"-18NPTF	40	15,1	19	22	893 801 314 0
15	M22×1.5	52	12	27	27	893 800 033 0
15	M12×1.5	50	10	27	27	893 800 054 0
15	R1/2"	54	12	27	27	893 800 144 0
15	M26×1.5	46	12	32	27	893 800 264 0
15	M16×1.5	52	12	24	27	893 800 364 0
18	M22×1.5	52	12	32	32	893 800 154 0
18	M26×1.5	52	12	32	32	893 800 254 0

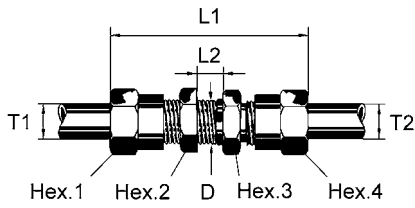


Ø T	D	L		Hex.			WABCO #
		1	2	1	2	3	
10	M22×1.5	62	16	27	22	19	893 821 074 2
10	M16×1.5	62	16	22	22	19	893 821 211 0
12	M22×1.5	65	16	27	24	22	893 821 224 0
12	M16×1.5	65	16	22	24	22	893 821 234 0
15	M22×1.5	76	16	27	27	27	893 821 244 0
15	M16×1.5	79	16	27	27	27	893 821 254 0

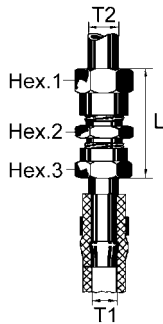


Ø T		L	Hex.			WABCO #
1	2		1	2	3	
6	6	48	14	17	14	893 820 012 0
6	6	39	12	12	12	893 821 430 0
8	8	45	17	14	17	893 820 134 0
8	6	45	17	14	14	893 820 144 0
10	10	48	19	17	19	893 820 024 0
10	8	45	19	17	17	893 820 104 0
10	6	50	19	17	14	893 820 114 0
12	12	43	22	19	22	893 820 564 0
14	14	57	24	24	24	893 821 450 0
15	15	74	27	27	27	893 820 061 0
16	16	57	30	27	30	893 821 460 0
18	18	74	32	32	32	893 820 084 0
18	15	74	32	32	27	893 820 094 0

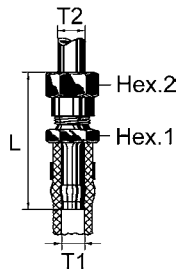
Conventional Couplings - Straight Connectors



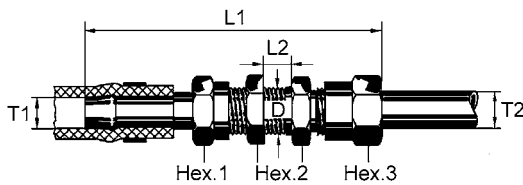
Ø T		D	L		Hex.				WABCO #
1	2		1	2 max.	1	2	3	4	
6	6	M12×1.5	64	16	14	17	17	14	893 821 390 0
10	10	M16×1.5	75	10	19	22	22	19	893 820 160 0
12	12	M18×1.5	69	16	22	24	24	22	893 820 574 0
12	15	M18×1.5	80	16	22	24	27	27	893 821 124 0
15	15	M22×1.5	94	12	27	27	27	27	893 820 070 0



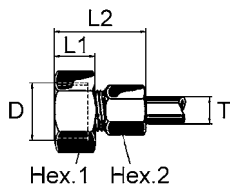
Ø T1	Ø T2	L	Hex.			WABCO #
1	2		1	2	3	
11×3.5	12	83	22	19	22	893 820 584 0



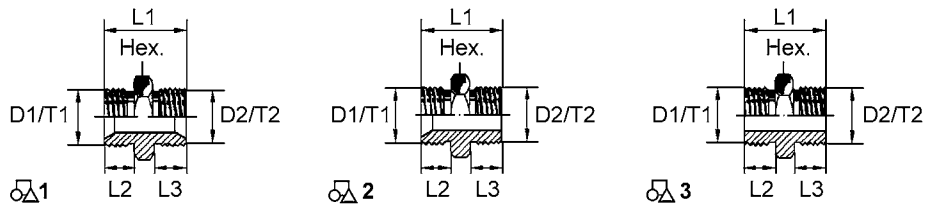
Ø T1	Ø T2	D	L	Hex.		WABCO #
1	2			1	2	
11×3.5	15	M22×1.5	82	27	27	893 820 234 2



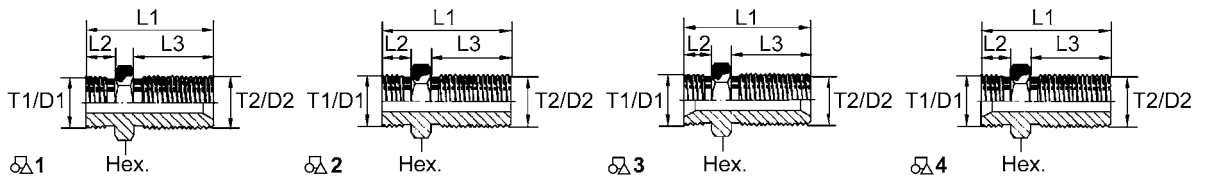
Ø T1	Ø T2	D	L		Hex.			WABCO #
			1	2 max.	1	2	3	
11×3.5	10	M18×1.5	113	16	27	24	19	893 821 170 0
13×6	15	M22×1.5	131	16	27	27	27	893 820 240 0



Ø T	D	L		Hex.		WABCO #
		1	2	1	2	
8	M22×1.5	-	43	27	22	893 810 054 0
10	M22×1.5	-	41	27	19	893 810 034 0
12	M22×1.5	-	36	27	22	893 810 500 0
18	M22×1.5	25	37	32	x	893 184 556 4

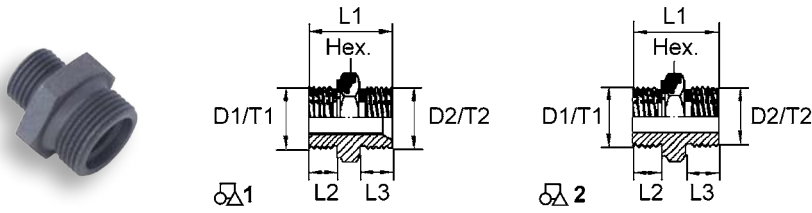


Ø T1	D1	Ø T2	D2	L			Hex.	Figure	WABCO #
				1	2	3			
-	M12×1.5	-	M10x.10	23	10	8	14	2	893 100 921 4
6	M12×1.5	6	M12×1.5	26	10	10	17	1	893 100 064 4
6	M12×1.5	8	M14×1.5	25	10	10	14	1	893 100 624 4
6	M12×1.5	10	M16×1.5	26	10	11	17	1	893 100 510 4
6	M12×1.5	12	M22×1.5	28	10	12	27	2	893 100 024 4
8	M14×1.5	15	M22×1.5	30	10	12	27	2	893 100 554 4
10	M14×1.5	10	M14×1.5	25	10	10	14	1	893 100 614 4
10	M16×1.5	10	M16×1.5	27	11	11	17	1	893 100 204 4
10	M16×1.5	-	M22×1.5	29	11	12	27	2	893 100 138 4
12	M18×1.5	12	M18×1.5	28	11	11	19	1	893 102 314 4
12	M18×1.5	-	M22×1.5	30	12	12	27	2	893 100 431 4
-	M22×1.5	-	M22×1.5	30	12	12	27	3	893 100 035 4
12	M18×1.5	-	1/4"-NPTF	32	11	15	27	2	893 900 021 4
12	M18×1.5	-	M16×1.5	29	11	12	22	2	893 900 014 4
12	M18×1.5	-	M22×1.5	29	11	12	27	2	893 900 017 4
14	M22×1.5	14	M22×1.5	39	16	16	26	3	893 104 477 4
15	M22×1.5	15	M26×1.5	30	12	12	32	3	893 100 174 4
-	M22×1.5*	-	M22×1.5	30	12	12	27	3	893 100 031 4



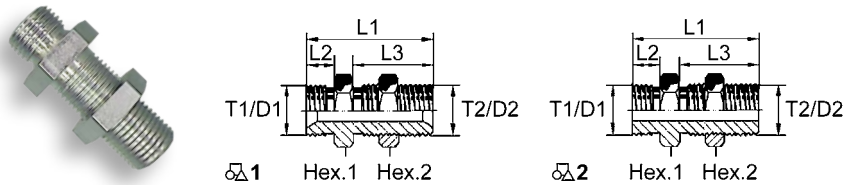
Ø T1	D1	Ø T2	D2	L			Hex.	Figure	WABCO #
				1	2	3			
9	M16×1.5	10	M18×1.5	54	12	34	22	1	893 103 220 4
10	M16×1.5	10	M16×1.5	52	11	35	22	3	893 100 834 4
10	M16×1.5	12	M22×1.5	54	34	12	27	2	893 103 900 4
12	M18×1.5	-	M16×1.5	50	11	34	22	4	893 900 015 4
-	M18×1.5	12	M18×1.5	50	11	34	22	1	893 900 016 4
12	M22×1.5	8	M16×1.5	52	12	35	27	1	893 100 330 4
12	M22×1.5	12	M22×1.5	54	12	34	27	2	893 100 224 4
12	G 1/2A	12	M22×1.5	54	12	34	27	2	893 100 264 4

Conventional Couplings - Straight Connectors



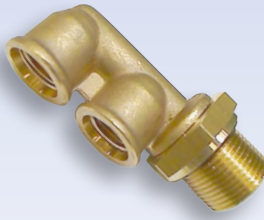
Ø T1	D1	Ø T2	D2	L			Hex.	Figure	WABCO #
				1	2	3			
4	M10×1.0	6	M14×1.5	23	8	10	17	1	893 100 960 4
4	M12×1.5	10	M16×1.5	28	10	11	19	1	893 100 074 4
6	M12×1.5	8	M14×1.5	27	10	10	17	1	893 100 564 4
12	M18×1.5	10	M18×1.5	25	10	10	27	1	893 100 110 4
-	M16×1.5	-	M22×1.5	30	12	12	24	2	893 101 164 4
-	R 3/4"	-	M22×1.5	35	15	12	32	2	893 100 180 4
-	R 1/2"	-	M22×1.5	30	12	12	27	2	893 100 164 4
-	R1/4"×18 NPT	-	M22×1.5	33	15.1	12	24	2	893 100 790 4
-	M22×1.5	10	M16×1.5	29	12	11	27	1	893 100 340 4
-	M14×1.5*	8	M14×1.5	25	10	10	17	1	893 100 644 4
-	M12×1.5	12	M18×1.5	26	10	11	19	1	893 102 224 4
-	M16×1.5	12	M18×1.5	27	12	11	22	1	893 102 244 4
-	M22×1.5	12	M18×1.5	29	12	11	27	1	893 102 254 4

*with space for strainer



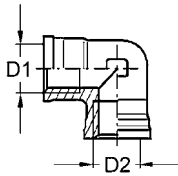
Ø T1	D1	Ø T2	D2	L			Hex.		Figure	WABCO #
				1	2	3	1	2		
10	M16×1.5	10	M16×1.5	52	11	35	22	22	1	893 890 570 0
-	M22×1.5	-	M22×1.5	54	12	34	27	27	2	893 890 014 0
-	M22×1.5	-	M12×1.5	40	12	23	27	19	2	893 890 030 0
-	G 1/2"	-	M22×1.5	54	12	34	27	27	2	893 890 040 0

CONVENTIONAL COUPLINGS - ELBOWS

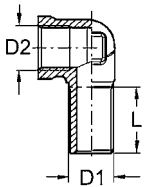


Coupling Catalogue

Conventional Couplings - Elbows

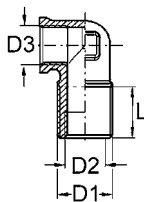


🌀 D1	🌀 D2	WABCO #
M12×1.5	M12×1.5	893 401 011 4
M16×1.5	M16×1.5	893 401 012 4
M16×1.5	M18×1.5	893 400 002 4
M22×1.5	M22×1.5	893 401 013 4



🌀 D1	🌀 D2	↔ L	WABCO #
M12×1.5	M12×1.5	18	893 401 008 4
M16×1.5	M16×1.5	22	893 401 292 4
M16×1.5	M16×1.5	24	893 401 774 4
M16×1.5*	M16×1.5	23	893 890 860 0
M16×1.5	M22×1.5	24	893 401 775 4
M22×1.5	M22×1.5	25	893 401 769 4
M22×1.5*	M22×1.5	25	893 890 450 0

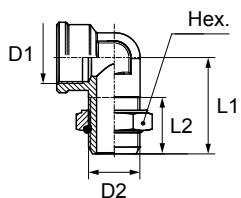
*with nut and O-ring



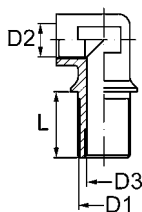
🌀 D1	🌀 D2	🌀 D3	↔ L	WABCO #
M22×1.5	M16×1.5	M16×1.5	20	893 401 293 4



Conventional Couplings - Elbows

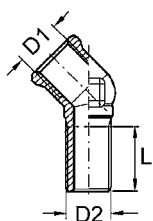
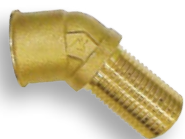


D		L		Hex.	WABCO #
1	2	1	2		
M16×1.5	M22×1.5	36	23	28	893 401 770 0
M22×1.5	M22×1.5	41	24	28	893 401 019 0

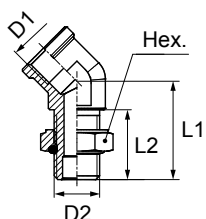


D1	D2	D3	L	WABCO #
M22×1.5	M16×1.5	M16×1.5	25	890 159 581 4
M26×1.5*	18	M22×1.5	32	893 401 826 2

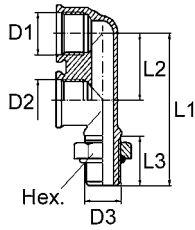
*with nut and O-ring



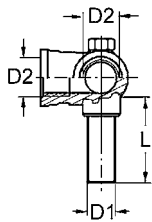
D1	D2	L	WABCO #
M16×1.5	M16×1.5	24	893 401 783 4
M22×1.5	M22×1.5	23	893 401 782 4



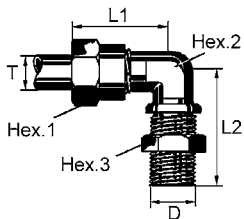
D		L		Hex.	WABCO #
1	2	1	2		
M16×1.5	M16×1.5	34.5	22.5	22	893 831 747 0



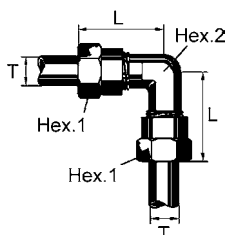
D			L			Hex.	WABCO #
1	2	3	1	2	3		
M16×1.5	M16×1.5	M16×1.5	63.3	26	24	22	893 831 320 0
M16×1.5	M16×1.5	M22×1.5	65	26	25	28	893 831 330 0
M16×1.5	M16×1.5	M22×1.5	80	40	24	-	890 159 597 4



D1	D2	L	WABCO #
M16×1.5	M16×1.5	21	893 401 014 4
M22×1.5	M16×1.5	24	890 159 594 4

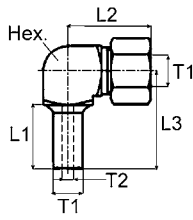


T	D	L		Hex.			WABCO #
		1	2	1	2	3	
6	M12×1.5	30	33.5	14	12	17	893 830 014 0
8	M12×1.5	29	37	17	12	17	893 830 104 0
8	M14×1.5	30	37	17	12	19	893 830 114 0
8	M22×1.5	32	38	17	17	27	893 830 770 0
10	M12×1.5	36	38	19	14	19	893 830 024 0
10	M14×1.5	31.5	38	19	14	19	893 830 034 0
10	M16×1.5	32	35	19	14	22	893 830 471 0
10	M22×1.5	41	45	19	19	27	893 830 441 2
12	M16×1.5	32	45	22	17	22	893 830 214 0
12	M22×1.5	40	45	22	19	27	893 830 204 0
15	M16×1.5	55	45	27	19	22	893 830 750 0
15	M22×1.5	55	42	27	19	27	893 830 042 0

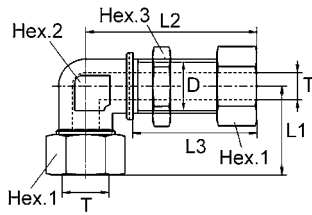


T	L	Hex. 1	Hex. 2	WABCO #
8	29	17	14	893 840 054 0
10	30	19	17	893 840 014 0
12	32	22	19	893 840 094 0

Conventional Couplings - Elbows

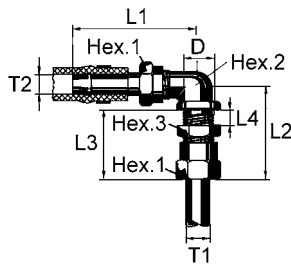


\varnothing T		L			Hex.	WABCO #
1	2	1	2	3		
6	3.3	19	30	26	12	893 830 998 0

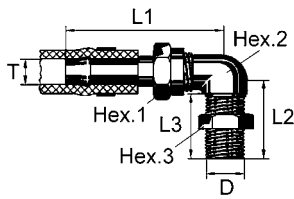


\varnothing T	D	L			Hex.			WABCO #
		1	2	3	1	2	3	
6	M12×1.5	32	62	45	14	12	17	893 840 034 0
10*	-	33	64	-	-	14	-	893 840 210 2
12	M18×1.5	32	64	44	22	-	24	893 840 104 0

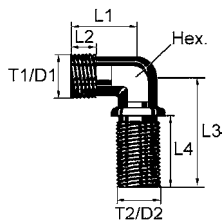
*on the short end with collar



\varnothing T1	\varnothing T2	D	L			Hex.			WABCO #
			1	2	3	1	2	3	
15	13×6	M22×1.5	99	76	54	27	-	27	893 840 084 0

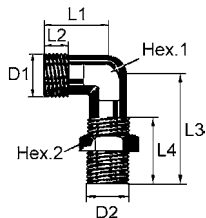


Ø T	D	L			Hex.			WABCO #
		1	2	3	1	2	3	
11×3.5	M16×1.5	72	45	25	22	17	-	893 830 760 0



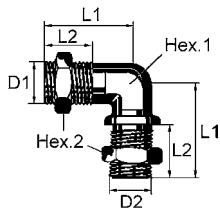
Ø T1	D1	Ø T2	D2	L				Hex.	WABCO #
				1	2	3	4		
6*	M12×1.5	6	M12×1.5	19	10	33.5	19.5	12	893 400 035 4
8	M14×1.5	6	M12×1.5	22	7	38	20	12	893 400 134 4
10	M18×1.5	12	M22×1.5	32	11	45	25	19	893 400 510 4
12	M22×1.5	12	M22×1.5	33	12	45	25	19	893 400 054 4
12	M22×1.5	15	M26×1.5	36	11	47	25	24	893 400 124 4
-	M22×1.5	-	M22×1.5	36	20	48	25	19	893 400 235 4
-	M18×1.5	10	M18×1.5	24	8	56	36	17	893 400 520 4

* with collar



D		L				Hex.		WABCO #
1	2	1	2	3	4	1	2	
M22×1.5	M22×1.5	36	17	48	25	27	27	893 890 063 0
M22×1.5	M22×1.5	33	12	45	25	27	27	893 890 074 0
M22×1.5	M22×1.5	33	12	51	34	19	27	893 890 081 0

Conventional Couplings - Elbows



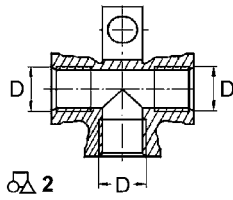
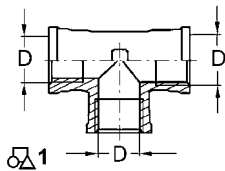
D	L		Hex.		WABCO #
	1	2	1	2	
M22×1.5	45	25	19	27	893 890 641 0

CONVENTIONAL COUPLINGS - T CONNECTORS

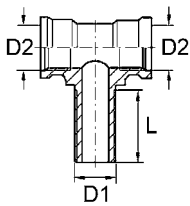


Coupling Catalogue

Conventional Couplings - T Connectors

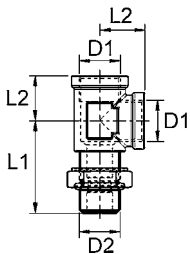


D	Figure	WABCO #
M12×1.5	1	893 501 005 4
M16×1.5	1	893 501 191 4
M16×1.5	2	893 501 004 4
M22×1.5	1	893 501 197 4



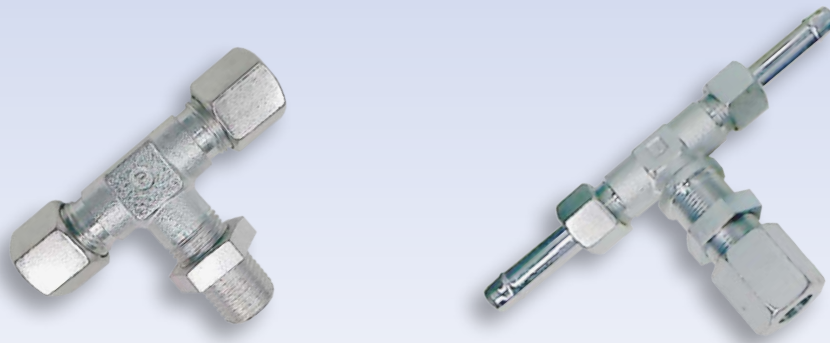
D1	D2	\longleftrightarrow L	WABCO #
M12×1.5	M12×1.5	18	890 159 584 4
M16×1.5	M16×1.5	21	893 501 001 4
M16×1.5	M16×1.5	-	893 501 794 4
M22×1.5	M16×1.5	-	893 501 795 4
M22×1.5	M16×1.5*	-	893 851 380 0
M22×1.5	M16×1.5	24	890 159 586 4
M22×1.5 M16×1.5	M16×1.5	-	890 159 588 4

*with counternut and O-Ring

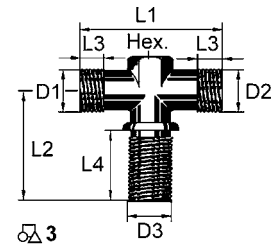
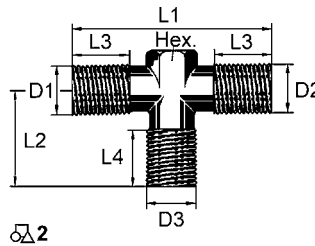
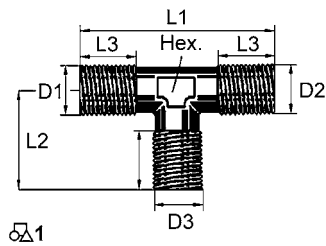


	D	\longleftrightarrow L		WABCO #
		1	2	
M16×1.5	M16×1.5	37	21	890 159 590 4
M16×1.5	M16×1.5*	36	17.5	893 851 390 0
M16×1.5	M16×1.5	37.5	19.5	893 401 784 4
M16×1.5	M16×1.5	-	-	893 501 385 4
M16×1.5	M22×1.5	38	19.5	893 401 785 4
M16×1.5	M22×1.5*	38	19.5	893 851 400 0
M16×1.5	M22×1.5 M16×1.5	50	21	890 159 592 4
M16×1.5	M22×1.5 M16×1.5	-	-	893 501 384 4

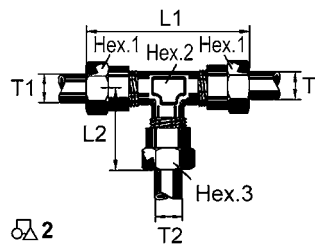
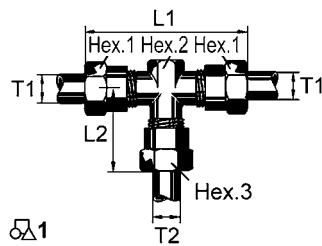
*with counternut and O-Ring



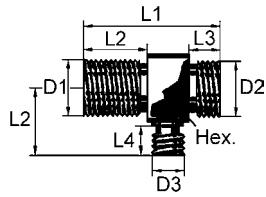
Conventional Couplings - T Connectors



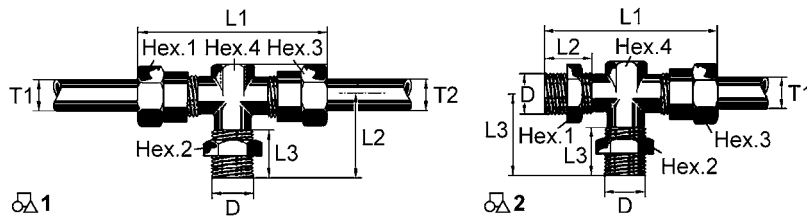
1	D		L				Hex.	Figure	WABCO #
	2	3	1	2	3	4			
M16×1.5	M16×1.5	M16×1.5	48	24	8	8	17	1	893 500 094 4
M22×1.5	M22×1.5	M22×1.5	84	42	24	24	19	2	893 500 044 4
M22×1.5	M22×1.5	M22×1.5	70	54	12	34	19	3	893 500 064 4



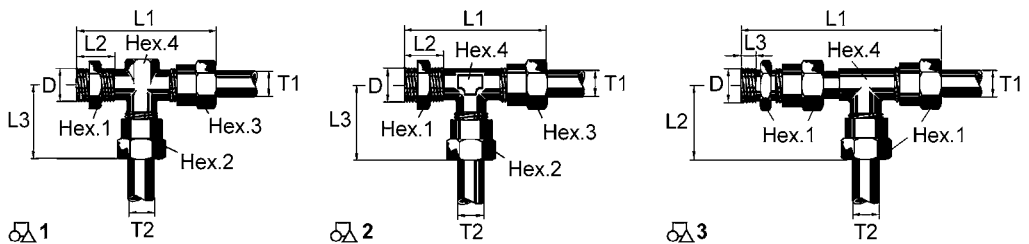
1	T	L		Hex.			Figure	WABCO #
		1	2	1	2	3		
6	6	53	27	14	12	14	1	893 860 014 0
6	8	57	29	14	14	17	1	893 860 150 0
8	6	57	29	17	14	14	1	893 860 194 0
8	8	57	29	17	17	17	1	893 860 144 2
8	10	59	30	17	17	19	1	893 860 044 0
10	10	59	30	19	17	19	1	893 860 053 0
10	15	72	51	19	19	27	1	893 860 060 0
12	10	63	32	22	19	19	1	893 860 424 0
12	12	63	32	22	19	22	1	893 860 374 0
15	10	100	41	27	19	19	1	893 860 081 0
15	15	100	50	27	19	27	2	893 860 091 0
18	18	110	55	32	24	32	1	893 860 104 0



D		L				Hex.	WABCO #
1	2	1	2	3	4		
M22×1.5	M22×1.5	53	25	12	10	27	893 500 024 4

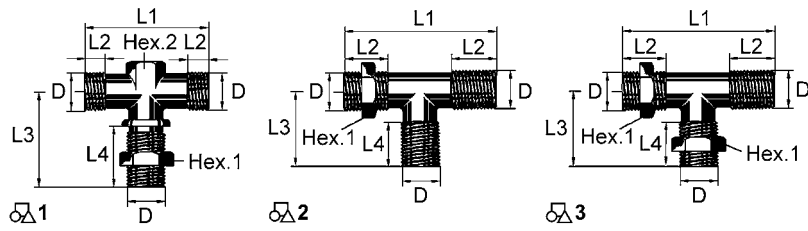


T		D	L			Hex.				Figure	WABCO #
1	2		1	2	3	1	2	3	4		
8	8	M12×1.5	60	34	20	17	17	17	14	1	893 850 154 0
10	10	M16×1.5	68	42	25	19	22	19	19	1	893 850 471 0
10	10	M22×1.5	68	42	25	19	27	19	19	1	893 850 460 0
12	12	M22×1.5	72	45	25	22	27	22	19	1	893 850 314 0
12	-	M22×1.5	80	24	42	27	27	22	19	2	893 850 394 0
15	15	M16×1.5	99	42	25	27	22	27	19	1	893 850 494 0
15	15	M22×1.5	114	54	34	27	27	27	19	1	893 850 074 0
15	15	M22×1.5	128	42	24	27	27	27	19	1	893 850 092 0
15	-	M22×1.5	106	24	42	27	27	27	19	2	893 850 093 0

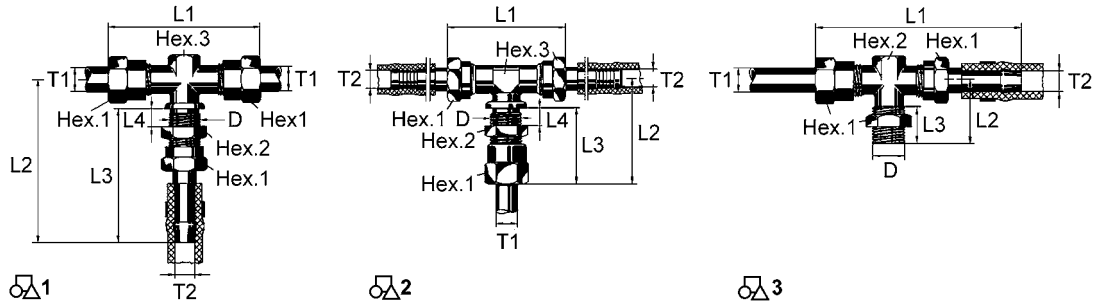
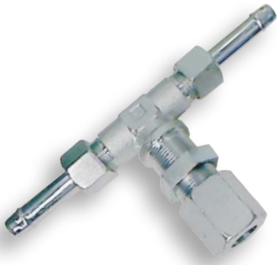


T		D	L			Hex.				Figure	WABCO #
1	2		1	2	3	1	2	3	4		
8	8	M12×1.5	86	33	10	17	-	-	12	3	893 850 214 0
8	12	M22×1.5	75	24	33	27	22	17	-	1	893 850 404 0
12	12	M16×1.5	73	20	35	22	22	22	17	1	893 850 660 0
12	12	M22×1.5	74	24	32	27	22	22	17	2	893 850 324 0
15	15	M22×1.5	106	24	64	27	27	27	19	1	893 850 064 0

Conventional Couplings - T Connectors



D	L				Hex.		Figure	WABCO #
	1	2	3	4	1	2		
M22×1.5	70	12	54	34	27	19	1	893 890 094 0
M22×1.5	84	24	42	24	27	-	3	893 890 113 0
M22×1.5	84	24	42	24	27	-	2	893 890 114 0



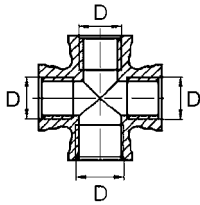
T1	T2	D	L				Hex.			Figure	WABCO #
			1	2	3	4	1	2	3		
12	11×3.5	M18×1.5	63	104	84	16	22	24	19	1	893 860 384 0
15	11×3.5	M22×1.5	72	75	55	16	22	27	19	2	893 861 284 0
15	13×6	M22×1.5	85	73	53	16	27	27	19	2	893 861 254 0
15	13×6	M22×1.5	114	110	91	12	27	27	19	1	893 860 314 0
15	13×6	M22×1.5	163	42	24	-	27	19	-	3	893 850 184 0


CONVENTIONAL COUPLINGS - DISTRIBUTION BLOCKS

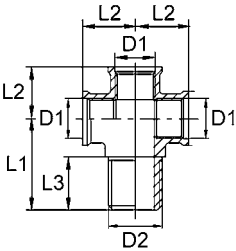



Coupling Catalogue

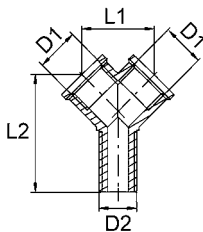
Conventional Couplings - Distribution Blocks




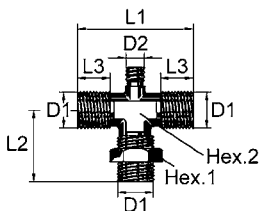
 D	WABCO #
M12×1.5	893 500 001 4
M16×1.5	893 550 101 4





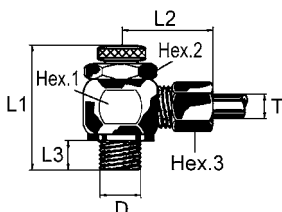
 D		\longleftrightarrow L			WABCO #
1	2	1	2	3	
M16×1.5	M22×1.5	37	20.5	25	893 550 053 4






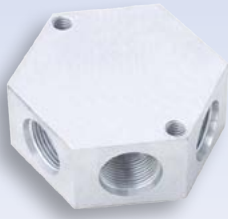
 D		\longleftrightarrow L		WABCO #
1	2	1	2	
M16×1.5	M16×1.5	27.5	45	893 401 786 4
M16×1.5	M22×1.5	27.5	38	893 401 787 4



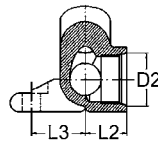
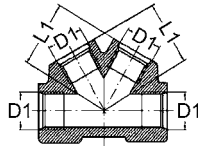
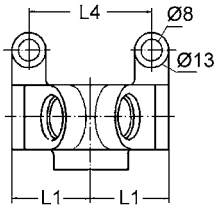
 D		\longleftrightarrow L			 Hex.		WABCO #
1	2	1	2	3	1	2	
M22×1.5	M12×1.5	62	42	9	27	19	893 890 120 0



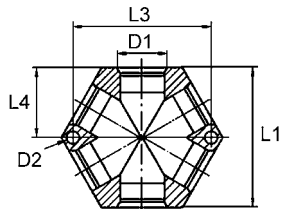
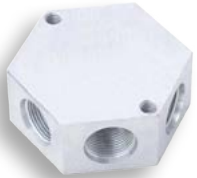
\varnothing  T	 D	\longleftrightarrow L			 Hex.			WABCO #
		1	2	3	1	2	3	
8×1	M12×1.5	32	24	8	20	17	14	893 900 147 0
8×1	M12×1.5	32	24	8	20	17	14	893 900 765 0



Conventional Couplings - Distribution Blocks

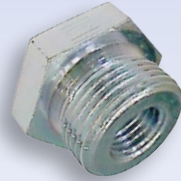
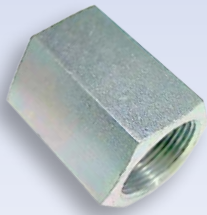


D		L				WABCO #
1	2	1	2	3	4	
M16×1.5	M22×1.5	25.5	19	25	40	893 550 048 4



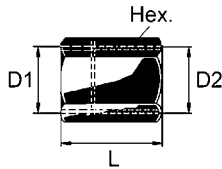
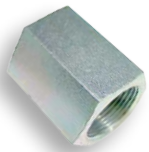
D		L				WABCO #
1	2	1	2	3	4	
M22×1.5	M8	70	32	68	35	893 550 046 4

CONVENTIONAL COUPLINGS - NUTS / REDUCER

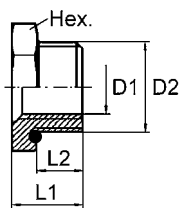
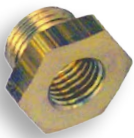


Coupling Catalogue

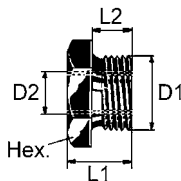
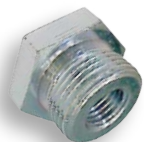
Conventional Couplings - Nuts / Reducer



D		L		Hex.	WABCO #
1	2				
M10×1.0	M12×1.5	30		14	893 240 010 4
M10×1.0	M16×1.5	30		19	893 240 090 4
M12×1.5	M12×1.5	35		17	893 240 224 4
M12×1.5	M14×1.5	30		19	893 240 230 4
M12×1.5	M16×1.5	30		19	893 240 210 4
M14×1.5	M14×1.5	25		19	893 300 024 4
M16×1.5	M16×1.5	20		19	893 240 400 4
M18×1.5	M22×1.5	26		27	893 240 160 4
M22×1.5	M22×1.5	38		27	893 300 011 4
M22×1.5	M22×1.5	25		27	893 300 012 4
M22×1.5	R 1/2"	35		27	893 240 050 4



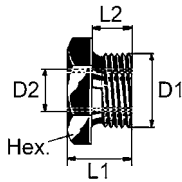
D		L		Hex.	WABCO #
1	2	1	2		
M16×1.5	M12×1.5	15	9	22	893 104 066 4
M22×1.5	M12×1.5	15	9	28	893 104 051 4
M22×1.5	M16×1.5	15	9	28	893 104 052 2
M22×1.5	M16×1.5	15	9	28	893 209 062 2



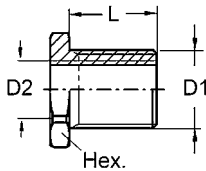
D		L		Hex.	WABCO #
1	2	1	2		
M14×1.5	R1/4"	29	11	19	893 181 340 4
M18×1.5	M10×1.0	19	12	27	893 181 170 4
M18×1.5	M12×1.5	16	10.5	24	893 181 230 4
M22×1.5	M12×1.5	18	12	27	893 180 600 4
M22×1.5	M12×1.5	18	12	27	893 180 604 4
M22×1.5	M14×1.5	18	12	27	893 181 190 4
M22×1.5	M14×1.5	18	12	27	893 181 194 4



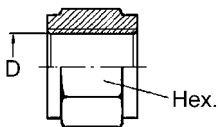
Conventional Couplings - Nuts / Reducer



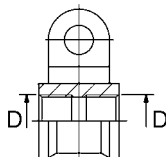
D		L		Hex.	WABCO #
1	2	1	2		
M22×1.5	M16×1.5	15	12	27	893 183 340 4
M22×1.5	M16×1.5	19	12	27	893 181 184 4
M22×1.5	R1/4"	19	12	27	893 181 214 4
R1"	M22×1.5	30	20	46	893 181 200 4
R1/2"	R1/4"	20	14	22	893 200 240 4



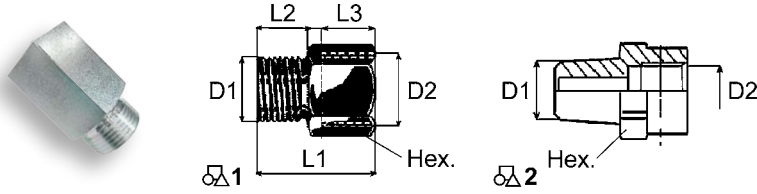
D		L		Hex.	WABCO #
1	2	1	2		
M16×1.5	M10×1.0	20	-	22	893 100 000 4
M16×1.5	M10×1.0	20	-	22	893 104 057 4
M16×1.5	M10×1.0	35	-	22	893 100 004 4
M22×1.5	M16×1.5	30	24	27	893 184 676 4
M22×1.5	M16×1.5	30	24	28	893 184 677 4
M22×1.5	M16×1.5	24	-	28	893 104 058 4



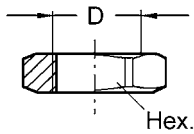
D	Hex.	WABCO #
M12×1.5	18	893 104 063 4
M16×1.5	22	893 104 064 4
M22×1.5	28	893 209 073 4



D	WABCO #
M16×1.5	893 500 000 4

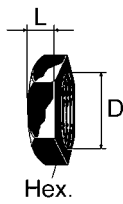
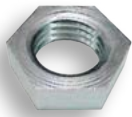


Ø T1	D		L			Hex.	Figure	WABCO #
	1	2	1	2	3			
8	M14×1.5	M22×1.5	29	10	14	27	1	893 180 544 4
8	M14×1.5	M14×1.5	25	10	12	19	1	893 180 654 4
16	M26×1.5	M22×1.5	30	12	14	32	1	893 180 880 4
-	M12×1.5	M10×1.0	24	9	13	17	1	893 180 130 4
-	M12×1.5	M22×1.5	28	10	12	27	1	893 180 054 4
10	M16×1.5	M12×1.5	27	11	12	17	1	893 180 040 4
-	M16×1.5	M16×1.5	62	50	10	22	1	452 200 888 4
10	M16×1.5	M22×1.5	28	7	12	27	1	893 180 034 4
-	M16×1.5	G3/8H	32	12	12	22	1	893 183 970 4
-	M22×1.5	M14×1.5	20	10	12	19	1	893 182 290 4
15	M22×1.5	M22×1.5	44	12	25	27	1	893 180 080 4
-	M22×1.5	R1/4"	40	13.5	20	27	1	893 181 090 4
-	M22×1.5*	R3/8"	32	12	11	27	1	893 180 194 4
-	M22×1.5	G3/8 ISO 228	32	12	15	27	1	893 180 510 4
-	M22×1.5	G1/2"	30	12	14	27	1	893 180 184 4
-	1/4"-18 NPTF*	M12×1.5	-	-	-	18	2	893 104 801 2
-	3/8"-18 NPTF*	M16×1.5	-	-	-	-	2	893 820 005 4
-	G3/8A ISO 228	M22×1.5	26	10	12	27	1	893 180 013 4

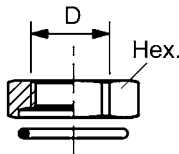


D	Hex.	WABCO #
M12×1.5	17	893 500 004 4
M14×1.5	19	893 500 005 4
M16×1.5	22	891 503 003 4
M16×1.5	22	893 500 006 4
M16×1.5	22	891 503 050 4
M18×1.5	19	891 503 005 4
M18×1.5	24	893 500 007 4
M22×1.5	27	893 500 008 4
M22×1.5	28	891 503 051 4
M22×1.5	28	891 503 076 4

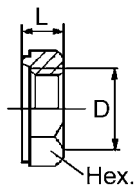
Conventional Couplings - Nuts / Reducer



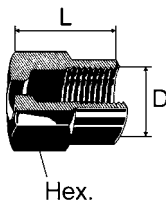
D	L	Hex.	Standard	WABCO #
M12×1.5	6	17	DIN80705	810 315 002 4
M14×1.5	6	19	DIN80705	810 315 003 4
M16×1.5	6	22	DIN80705	810 315 004 4
M18×1.5	6	24	DIN80705	810 315 005 4
M22×1.5	8	27	DIN80705	891 500 454 4
M26×1.5	8	32	DIN80705	891 500 464 4



D	Hex.	WABCO #
M12×1.5	18	891 503 000 2
M14×1.5	20	893 400 001 4
M16×1.5	22	891 503 075 2
M18×1.5	24	893 500 003 2
M22×1.5	28	891 503 076 2



D	L	Hex.	O-ring	WABCO #
M16×1.5	8	22	897 073 077 4	891 503 053 4
M22×1.5	8	28	897 073 076 4	891 503 052 4



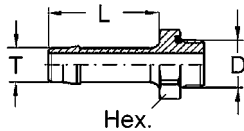
D	For pipe Ø	L	Hex.	Standard	WABCO #
M12×1.5	6	14.5	14	DIN3870	893 070 054 4
M14×1.5	8	14.5	17	DIN3870	893 070 104 4
M16×1.5	10	15.5	19	DIN3870	893 070 074 4
M18×1.5	12	15.5	22	DIN3870	893 070 834 4
M22×1.5	-	17	27	-	893 070 094 4
M22×1.5	15	27	27	DIN3872	893 070 065 4

CONVENTIONAL COUPLINGS - HOSE FITTINGS

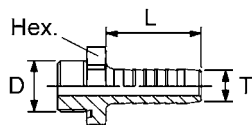


Coupling Catalogue

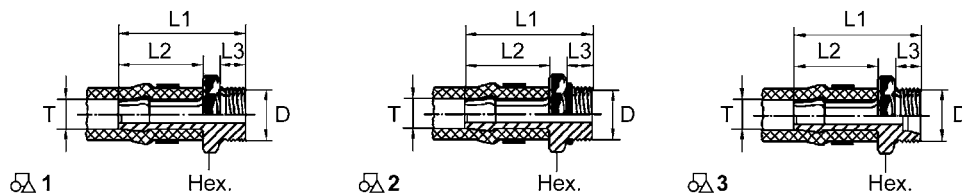
Conventional Couplings - Hose Fittings



\varnothing T	D	L	Hex.	WABCO #
11×3.5	M16×1.5	36	22	893 129 413 2
11×3.5	M16×1.5	40	22	893 129 194 2
11×3.5	M16×1.5	40	22	893 129 401 2
11×3.5	M22×1.5	32	28	893 129 195 2
11×3.5	M22×1.5	36	28	893 129 414 2
11×3.5	M22×1.5	40	28	893 129 402 2
13×6	M16×1.5	35	22	893 129 445 2
13×6	M16×1.5	36	22	893 129 410 2
13×6	M16×1.5	40	22	893 129 403 2
13×6	M22×1.5	40	28	893 129 404 2
13×6	M22×1.5	40	28	893 129 446 2
13×6	M22×1.5	52	28	893 129 415 2
11.5	M22×1.5	31	28	893 129 374 2
16	M22×1.5	31	28	893 129 375 2



\varnothing T	D	L	Hex.	WABCO #
10	M16×1.5	30	-	893 120 008 2
11×3.5	M16×1.5	30	22	893 120 018 2
13×6	M16×1.5	30	22	893 129 442 2
13×6	M22×1.5	30	28	893 129 443 2

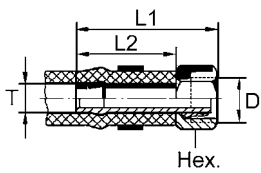


\varnothing T	D	Pipe \varnothing	L			Hex.	Figure	WABCO #
			1	2	3			
11	M16×1.5	10	47	30	11	19	3	893 120 164 4
11.5	M16×1.5	-	47	31	9	22	2	893 129 373 2
16	M16×1.5	-	47	31	9	22	2	893 120 410 2

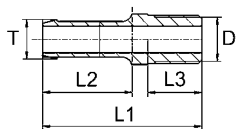


Conventional Couplings - Hose Fittings

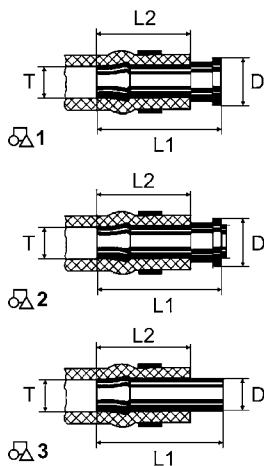
Ø T	D	Pipe Ø	L			Hex.	Figure	WABCO #
			1	2	3			
13	M16×1.5	-	60	40	12	22	1	893 121 641 4
13×6	G1/2AISO228	-	60	40	12	27	1	893 120 204 4
14	M22×1.5	-	60	40	12	27	1	893 120 170 4



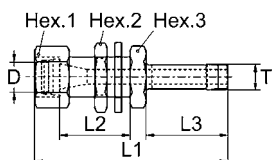
Ø T	D	L		Hex.	WABCO #
		1	2		
11×3.5	M18×1.5	55	39	22	893 121 070 2



Ø T	D	L			Hex.	WABCO #
		1	2	3		
11	NPTF1/4"-18	44.5	25	15	14	893 121 300 4



Ø T	D	L		Figure	WABCO #
		1	2		
12	19.9	55	40	1	893 120 423 4
14	19.9	55	40	1	893 120 424 4
5	13.8	34	23.5	2	893 120 430 4
4.5	11.8	28	20	1	893 120 431 4
12	20	44	29	1	893 121 060 4
11	12	55	44	3	893 121 070 4
9.5	10	40	36	3	893 121 340 4



Ø T	D	L			Hex.			WABCO #
		1	2	3	1	2	3	
11	M16×1.5	62	22	24	19	22	17	893 820 810 2

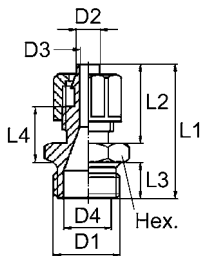
PIPE COUPLINGS - AIR AUXILIARY



Coupling Catalogue

Pipe Couplings - Air auxiliary

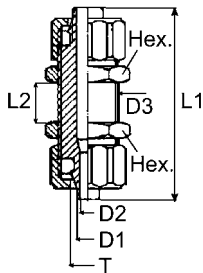
For nylon pipe 6×1



1	D			↔ L			Hex.	WABCO #
	2	3	4	1	2	3		
M10×1.0	3	4	5.5	27	16	6.5	14	893 800 930 0
M12×1.5	3	4	6.5	30	16	9	17	893 800 931 0
M14×1.5	3	4	8	30	16	9	17	893 800 932 0
M22×1.5	3	4	12	33	16	11	27	893 800 934 0
R1/8"	3	4	5.5	27	16	6.5	14	893 800 935 0

For nylon pipe 8×1

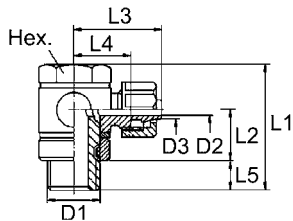
1	D			↔ L			Hex.	WABCO #
	2	3	4	1	2	3		
M5	-	-	2	23.5	-	5.5	12	893 800 949 0
M12×1.5	4.5	6	6.5	30	16	9	17	893 800 941 0
M14×1.5	4.5	6	8	30	16	9	17	893 800 942 0
M22×1.5	4.5	6	14	33	16	11	27	893 800 944 0
R1/8"	4.5	6	5.5	27	16	6.5	14	893 800 947 0
R1/4"	4.5	6	8	30	16	9	17	893 800 945 0



T	D			↔ L		Hex.	WABCO #
	1	2	3	1	2 max.		
6×4	4	3.1	M10×1.0	42	7	14	893 820 590 0
8×6	6	4.8	M12×1.5	44	7	17	893 820 591 0
10×8	8	6.6	M14×1.5	48	7	17	893 820 592 0



Pipe Couplings - Air auxiliary

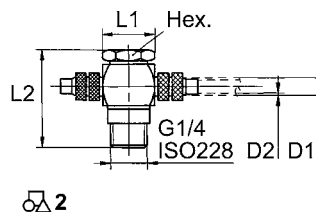
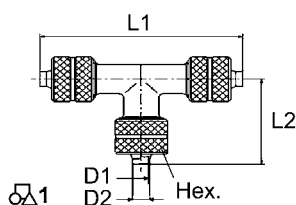


For nylon pipe 6×1

D			↔ L					Hex.	WABCO #
1	2	3	1	2	3	4	5		
M10×1.0	3	4	33	13.5	24.5	14.5	6.5	14	893 900 140 0
M12×1.5	3	4	36	13.5	26	16	9	17	893 900 141 0
R1/8"	3	4	33	13.5	24.5	14.5	6.5	14	893 900 145 0
R1/4"	3	4	36	13.5	26	16	9	17	893 900 146 0
M12×1.5	3	4	32	9	23	16	8	17	893 900 760 0

For nylon pipe 8×1

D			↔ L					Hex.	WABCO #
1	2	3	1	2	3	4	5		
M12×1.5	4.5	6	36	13.5	26	16	9	17	893 900 151 0
R1/8"	4.5	6	33	13.5	24.5	14.5	6.5	14	893 900 157 0



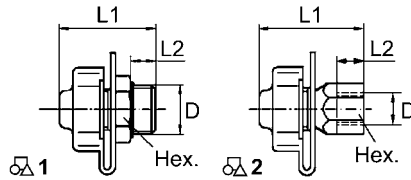
Ø T	D		↔ L		Hex.	Figure	WABCO #
	1	2	1	2			
6×1	3.1	4	46	23	14	1	893 860 440 0
8×1	4.8	6	48	24	16	1	893 860 441 0
6×1	3.1	4	46	23	12	1	893 860 443 0
-	1	6.3	36	26	17	2	893 861 470 0

TEST CONNECTIONS



Coupling Catalogue

Test Connections

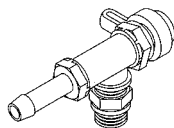


D	\longleftrightarrow L1	\longleftrightarrow L2	Hex.	O-Ring	Figure	WABCO #
M12×1.5	38	7	17	✗	2	463 703 116 0
M14×1.5	38	7	17	✗	2	463 703 118 0
M16×1.5	36	9	22	✓	1	463 703 114 0
M16×1.5	36	9	22	✓	1	463 703 120 0
M16×1.5*	36	10	17	✓	1	463 705 105 0
M18×1.5	39	8	24	✗	2	463 703 119 0
M22×1.5	36	9	28	✓	1	463 703 115 0
M22×1.5	41.5	10	27	✗	2	463 703 117 0
M22×1.5	36	9	28	✗	1	463 703 125 0
M22×1.5	36	10	27	✗	1	463 705 103 0
1/4"-18NPTF	36	12	17	-	1	463 705 102 0

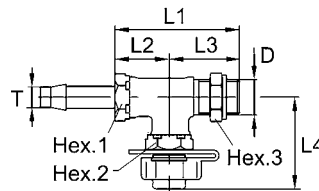
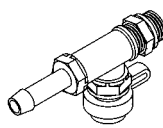
* conic 1:16



463 703 036 0



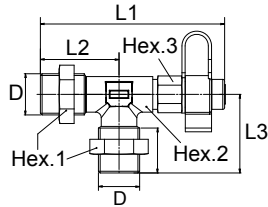
463 703 032 0



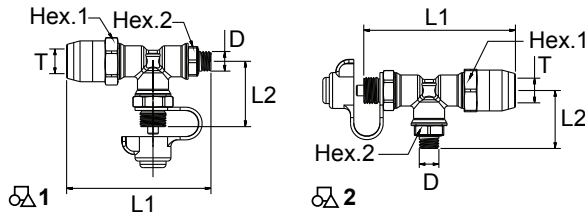
\varnothing T	D	\longleftrightarrow L				Hex.			WABCO #
		1	2	3	4	1	2	3	
11×3.5	M16×1.5	64.5	27.5	37	48	22	22	28	463 703 032 0
12	M16×1.5	-	27.5	-	37.5	22	22	-	463 703 036 0



Test Connections



D	L			Hex.			WABCO #
	1	2	3	1	2	3	
M22×1.5	96	42	42	27	19	17	463 703 303 0



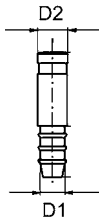
T	D	L		Hex.		Figure	WABCO #
		1	2	1	2		
10×1.0	M16×1.5	86	39.5	22	22	1	893 831 276 0
10×1.0	M22×1.5	86	39.5	22	28	1	893 831 282 0
12×1.5	M22×1.5	88	39.5	22	28	1	893 831 287 0
15×1.5	M22×1.5	89	39.5	26	28	1	893 831 227 0
16×1.5	M22×1.5	92.5	36.5	26	28	2	893 831 286 0

ACCESSORIES

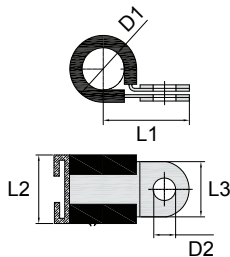


Coupling Catalogue

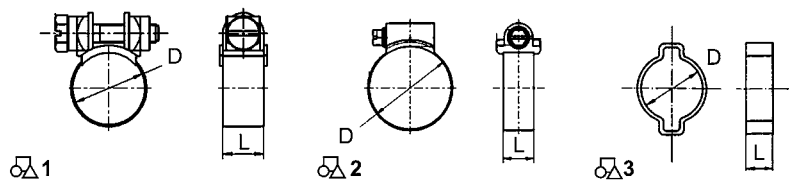
Accessories



Ø D1	D2	WABCO #
6	12×1.5	893 129 406 4
8	12×1.5	893 129 407 4



Ø D	↔ L			WABCO #
	1	2	1 (max.)	
6	4.3	13.2	13	893 511 110 4
6	6.4	21.7	19	893 511 720 4
8	5.3	18	15	893 511 030 4
10	5.2	19	15	893 510 990 4
12	5.3	20	15	893 511 000 4
12	6.4	24.7	19	893 511 723 4
15	5.3	21.5	15	893 511 010 4
15	6.4	26.2	19	893 511 725 4
18	6.4	27.7	19	893 511 020 4




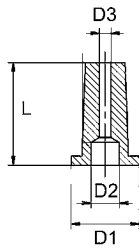
Ø D	↔ L	Figure	WABCO #
10	9	1	893 519 000 2
13	9	1	893 519 001 2
14	9	1	893 519 003 2
15	7.5	3	893 510 390 4
16	9	1	893 510 470 2
18	12	1	893 510 420 2
21	9	1	893 519 002 2



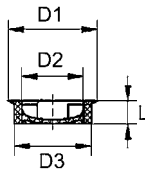
Accessories




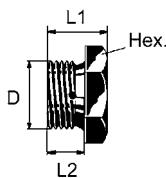
$\varnothing \pm 0.05$ D	\longleftrightarrow L	 Figure	WABCO #
25	15	1	893 510 410 2
12 - 22	9	2	893 510 850 4
16 - 27	12	2	893 510 860 4





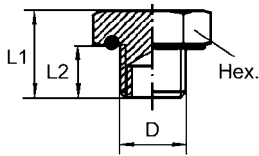
$\varnothing \pm 0.05$ D1	\varnothing D2	\varnothing D3	\longleftrightarrow L	WABCO #
6	2.5	1	9	899 730 170 4
8	3.5	1.4	9	899 730 182 4
10	3.5	0.6	9	899 730 190 4
10	-	1	9	899 730 111 4



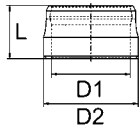
for 	\varnothing D			\longleftrightarrow L	Mesh Size (mm)	WABCO #
	1	2	3			
M12×1.5	11.5	8	10	3	160	899 360 210 4
M16×1.5	15.5	11.5	14	5	160	899 360 260 4
M22×1.5	21.5	16.5	20	6	160	899 360 140 4



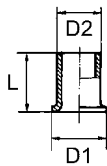
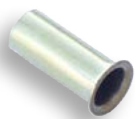
 D	\longleftrightarrow L		 Hex.	Standard	WABCO #
	1	2			
M10×1.0	18	11	17	-	893 010 251 4
M12×1.5	15.5	9	17	DIN7604	810 904 013 4
M14×1.5	13	9	19	DIN7604-A	893 010 011 4
M14×1.5	16	9	19	-	893 010 010 4
M16×1.5	12.5	10	22	-	893 011 711 4
M16×1.5	15.5	9	22	DIN7604	810 904 004 4
M18×1.5	17	9	17	DIN7604	810 904 005 4
M22×1.5	10.5	8	27	-	893 010 103 4
M22×1.5	12	8	27	-	893 010 100 4
M22×1.5	17	9	19	DIN7604	810 904 006 4
M22×1.5	19	12	27	DIN74305	893 010 070 4
M22×1.5	20	12	19	DIN7604	810 904 019 4
M26×1.5	16	10	32	-	893 010 230 4



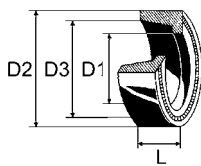
D	\longleftrightarrow L1	\longleftrightarrow L2	Hex.	WABCO #
M12×1.5	14	8	18	893 022 000 2
M14×1.5	-	-	-	893 022 022 2
M16×1.5	-	-	22	893 022 014 4
M22x.15	15	9	28	893 022 015 4
M22×1.5	15	9	28	893 022 009 4



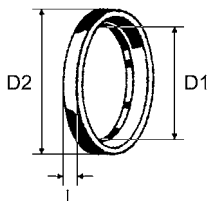
D1	\varnothing D2	\longleftrightarrow L	WABCO #
6	9.5	9.5	893 050 014 4
8	11	9.5	893 050 054 4
10	13	10	893 050 024 4
10.2	12	7.5	893 050 370 4
12	15	10	893 050 144 4
12	14	7.5	893 050 310 4
12.1	15	9.2	893 050 451 4
15	18	10	893 050 034 4
16.1	19	9.8	893 050 454 4
18	21	10	893 050 040 4



D	\varnothing D1	\varnothing D2	\longleftrightarrow L	WABCO #
6×1	5	4	10	893 040 210 4
8×1	8	6	15	893 040 220 4
10×1	10	8	15	893 040 230 4
10×1.25	-	-	10	893 040 239 4
12×1.5	12	9	15	893 040 240 4
15×1.5	14	12	15	893 040 250 4
18×2	17.8	14	18	893 040 260 4

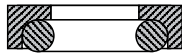



D1	\varnothing D2	\varnothing D3	\longleftrightarrow L	WABCO #
15	20	12.5	9	893 030 014 4
18	24	15.5	9	893 030 020 4

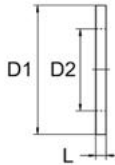


for	\varnothing D1	\varnothing D2	\longleftrightarrow L	WABCO #
M10×1.0	10.1	14	2.6	893 030 060 4
M12×1.5	12.1	16	2.6	893 030 070 4
M14×1.5	14.1	18	2.6	893 030 080 4
M16×1.5	16.1	22	2.6	893 030 170 4
M18×1.5	18.1	22	2.6	893 030 110 4
M22×1.5	22.1	27	2.6	893 030 040 4
M26×1.5	26.1	32	3	893 030 090 4

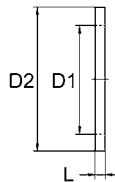
Accessories





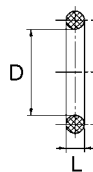
for 	WABCO #
M10×1.0	893 030 000 2
M12×1.5	893 030 001 2
M14×1.5	893 030 002 2
M22×1.5	893 030 003 2
M26×1.5	893 030 004 2




Ø	Ø D		↔ L	Standard	WABCO #
	1	2			
15	19	12	1.5	-	897 042 640 4
15	19	12	1.5	DIN7603-A	897 042 641 4
18	23.9	15.2	1.5	DIN7603-A	897 042 560 4

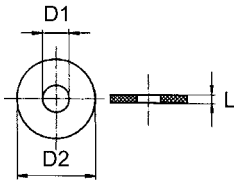


Ø D		↔ L	for		Type	WABCO #
1	2					
6.2	9.9	1	M6	M12×1.5	A6×10	811 401 008 4
10.2	13.9	1	M10×1.0 / R1/8	M16×1.5	A10×14	811 401 172 4
12.2	15.9	1.5	M12×1.5	M18×1.5	A12×16	811 401 032 4
16.2	19.9	1.5	M16×1.5	-	A16×20	811 401 057 4
18.2	21.9	1.5	M18×1.5	-	A18×22	811 401 066 4
22.2	26.9	1.5	M20×1.5	-	A20×24	811 401 073 4
22.2	26.9	1.5	M22×1.5	-	A22×27	811 401 079 4
22.2	26.9	1.5	M22×1.5	-	A22×27	811 401 080 4
22.2	26.9	1.5	M22×1.5	-	A22×27	811 401 081 4
22.2	26.9	2	M22×1.5	-	C22×27	811 401 084 4
26.3	31.9	2	M26×1.5	-	A26×32	811 401 100 4
26.3	31.9	2.5	M26×1.5	-	C26×32	811 401 096 4

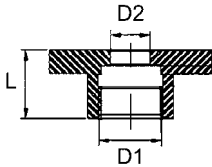


for 	Ø D	↔ L	WABCO #
M10×1.5*	10.1	1.6	897 073 071 4
M12×1.5	10	2.2	897 071 110 4
M12×1.5*	11	2	897 073 072 4
M14×1.5*	13	2	897 073 073 4
M14×1.5	14	2.5	897 073 077 4
M16×1.5*	15	2	897 073 074 4
M16×1.5	15	2	897 770 250 4
M22×1.5*	19	2.5	897 073 076 4
M22×1.5	20.3	2.4	897 780 400 4
M22×1.5*	20.5	2.5	897 073 075 4
M26×1.5	24	3	897 770 530 4
M10×1.0	10	2.5	897 772 671 4
M14×1.5	14	2.5	897 772 673 4

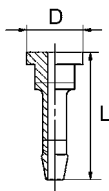
*Use only for Anoflex fittings



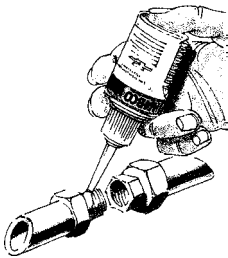
Ø D1	Ø D2	↔ L	WABCO #
4	16	2	897 017 910 4



⌀ D1	Ø D2	↔ L	WABCO #
M16×1.5	9.7	16.7	891 650 071 4



Ø D	↔ L	WABCO #
13.5	31	893 120 471 4



WABCOSEAL, Liquid jointing agent

Quantity [ml]	WABCO #
50	830 407 084 4



WABCONTROL, Leakage indicating spray

Container	Quantity [l]	WABCO #
Spray bottle	0.5	830 702 126 4
Canister	5	830 702 127 4



Type	WABCO #
Leakage Detector	400 606 410 0
Ultrasonic Transmitter	452 600 100 0

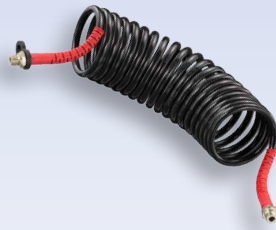
Fitting case 893 000 200 0

Content:



WABCO #	Type	Ø [mm] [inches]	#
463 703 115 0	Pressure test connection	M22×1.5	4
463 703 120 0	Pressure test connection	M16×1.5	4
893 022 000 2	Screw Plug with O-ring	M12×1.5	4
893 022 014 4	Screw Plug with O-ring	M16×1.5	4
893 022 015 4	Screw Plug with O-ring	M22×1.5	4
893 104 064 4	Female/ Female Stud	M 16×1.5	8
893 104 296 2	Bulkhead with Preassembled Lock Nut	M22×1.5 / 16×1.5 / 22×1.5	3
893 104 297 2	Bulkhead with Preassembled Lock Nut	M22×1.5 / 16×1.5 / 16×1.5	3
893 129 191 2	Screwed Socket with Plug-In P5	M12×1.5	4
893 129 192 2	Screwed Socket with Plug-In P5	M16×1.5	6
893 129 193 2	Screwed Socket with Plug-In P5	M22×1.5	4
893 401 015 2	90° Elbow with Plug-In P5	M16×1.5	4
893 401 797 4	90° Elbow with Plug-In P5	M16×1.5	4
893 401 818 4	F-Union with Plug-In P5	M16×1.5	2
893 501 194 4	L-Union with Plug-In P5	M16×1.5	4
893 501 196 4	Plug-In Female Tee / Inverted Tee P5	M16×1.5	4
893 800 001 2	Male Push-In Connector New Line	8×1.0 / M16×1.5	6
893 800 002 2	Male Push-In Connector New Line	12×1.5 / M16×1.5	6
893 800 004 2	Male Push-In Connector New Line	15×1.5 / M22×1.5	4
893 800 007 2	Male Push-In Connector New Line	8×1.0 / M12×1.5	8
893 800 008 2	Male Push-In Connector New Line	12×1.5 / M22×1.5	6
893 800 003 2	Male Push-In Connector New Line	16×2.0 / M22×1.5	4
893 803 013 0	Male Push-In Connector	18×2.0 / M22×1.5	4
893 800 082 2	Male Push-In Connector New Line	6×1.0 / M16×1.5	4
893 800 009 2	Male Push-In Connector New Line	10×1.0 / M16×1.5	6
893 800 808 2	Male Push-In Connector New Line	10×1.0 / M22×1.5	6

PIPES, HOSES, TUBES



Coupling Catalogue

Pipes, Hoses, Tubes

Straight tubes

Application: air braking systems / secondary devices, Standard: DIN 74324



∅ T	L [m]		WABCO #
4×1	100		828 251 978 6
6×1	25		828 251 106 6
6×1	50		828 251 970 6
6×1	100		828 251 967 6
8×1	25		828 251 108 6
8×1	50		828 251 971 6
8×1	100		828 251 008 6
8×1	100		828 251 123 6
8×1	100		828 251 124 6
8×1	500		828 252 113 6
10×1	25		828 251 110 6
10×1	50		828 251 915 6
10×1	100		828 251 010 6
10×1.25	100		828 251 934 6
10×1.25	100		828 251 121 6
10×1.25	100		828 251 122 6
10×1.5	25		828 252 110 6
10×1.5	50		828 251 011 6
10×1.5	100		828 002 110 6
12×1.5	25		828 251 112 6
12×1.5	50		828 251 914 6
12×1.5	100		828 251 012 6
12×1.5	100		828 251 125 6
12×1.5	100		828 251 126 6
12×1.5	200		828 251 013 6
12×1.5	500		828 252 115 6
12×1.75	25		828 252 112 6
14×2	25		828 251 114 6



Pipes, Hoses, Tubes

\varnothing T	L [m]		WABCO #
15×1.5	25		828 251 115 6
15×1.5	50		828 251 972 6
15×1.5	100		828 251 968 6
15×1.5	100		828 251 127 6
15×1.5	100		828 251 128 6
15×2	50		828 251 942 6
15×2	100		828 251 977 6
16×2	25		828 252 116 6
16×2	100		828 002 116 6
16×2.25	25		828 251 116 6
18×2	25		828 251 118 6
18×2	100		828 251 969 6

Straight tubes

Application: only for auxiliary circuits, Standard: DIN 73378











\varnothing T	L [m]		WABCO #
4×1	25		828 876 953 6
4×1	25		828 251 924 6
4×1	25		828 876 952 6
8×1	100		828 251 950 6
8×1	100		828 251 951 6
8×1	100		828 251 952 6
8×1	100		828 251 953 6

Brake hoses




Application: air braking system, Standard: DIN 74310, Material: rubber, 



∅ T	L [m]		WABCO #
9.5×4.7	50		828 877 004 6
11×3.5	20		828 876 011 6
11×3.5	20		828 877 001 6
11×3.5	40		828 876 411 6
13×6	20		828 877 000 6
13×6	20		828 876 013 6
13×6	40		828 876 413 6

Fabric hose






∅ T	L [m]		[max. bar]				WABCO #
			-40 °C	20 °C	60 °C	70 °C	
4×3	25		47	25	10	7	828 876 915 6
4×3	25		47	25	10	7	828 876 912 6

Coiled tubes

Application: air braking systems, Standard: ISO 7375, ∅ 12×1.5, 



		WABCO #
	M16×1.5 	452 711 056 0
	M16×1.5 	452 711 057 0
	M22×1.5 	452 711 058 0
	M22×1.5 	452 711 059 0
	M16×1.5  M18×1.5 	452 711 060 0
	M16×1.5  M18×1.5 	452 711 061 0
	 M18×1.5 	452 711 062 0
	 M18×1.5 	452 711 063 0
	 M18×1.5 	452 711 064 0
	M16×1.5  M18×1.5 	452 711 065 0
	M16×1.5  M18×1.5 34mm 	452 711 066 0
	M16×1.5  M18×1.5 34mm 	452 711 067 0
	M16×1.5  M18×1.5 34mm 	452 711 068 0

Pipes, Hoses, Tubes

Double coiled tubes

Application: air braking systems, Standard: ISO 7375



Ø	Color	Symbol	Thread	Wrench	Additional fittings	WABCO #
12×1.5	Black	Red/Black	M18×1.5	22	1/2" BSP taper thread × 4 21	452 711 904 0
12×1.5	Red/Blue	Black/Black	M18×1.5	22	1/2" BSP taper thread × 4 21	452 711 903 0
12×1.5	Black	Red/Black	M18×1.5	22	not pre-equipped	452 711 069 0
12×2	Red	Red/Black	M16×1.5 + O-ring M18×1.5 24° cone end	22	not pre-equipped	452 713 005 0
12×2	Black	Red/Black	M16×1.5 + O-ring M18×1.5 24° cone end	22	not pre-equipped	452 713 006 0

Premium coiled tubes

Application: air braking systems, Standard: DIN 74323 & ISO 7375, Ø 12×2



Color	Symbol	Thread	Wrench	WABCO #
Red	Red/Black	M16×1.5 + O-ring M18×1.5 24° cone end	22	452 713 001 0
Yellow	Red/Black	M16×1.5 + O-ring M18×1.5 24° cone end	22	452 713 002 0
Black	Red/Black	M16×1.5 + O-ring M18×1.5 24° cone end	22	452 713 003 0
Black	Red/Black	M16×1.5 + O-ring M18×1.5 24° cone end	22	452 713 004 0



Thread	WABCO #
M16×1.5	893 900 033 2

Test hoses

Application: air maintenance unit, Standard for suitable counterpart: ISO 3583



∅ [mm]	↔ L [m]	🌀	🇪🇺 🇩🇪	WABCO #
3.5	6.55	M16×1.5		452 600 003 0
3.5	6.55	M16×1.5		452 600 004 0

Tire inflating hoses

Material: PVC








🌀	↔ L [m]	Charging port	WABCO #
M16×1.5	4	8V1-1/-2	452 601 008 0
M16×1.5	6	8V1-1/-2	452 601 000 0
M16×1.5	8	8V1-1/-2	452 601 002 0
M16×1.5	10	8V1-1/-2	452 601 005 0






Metal corrugated hose



🌀	↔ L1 [m]	↔ L2 [m]	🔧 Hex.	🌡️	Material	WABCO #
M18×1.5	0.45	0.335	30	≤ 220 °C	Stainless steel	452 700 001 0

WABCO #		WABCO #		WABCO #		WABCO #		WABCO #	
400 606 410 0	54	811 401 073 4	53	828 876 952 6	57	893 030 110 4	52	893 102 314 4	26
452 200 888 4	42	811 401 079 4	53	828 876 953 6	57	893 030 170 4	52	893 103 220 4	26
452 600 003 0	60	811 401 080 4	53	828 877 000 6	58	893 040 210 4	52	893 103 900 4	26
452 600 004 0	60	811 401 081 4	53	828 877 001 6	58	893 040 220 4	52	893 104 051 4	40
452 600 100 0	54	811 401 084 4	53	828 877 004 6	58	893 040 230 4	52	893 104 052 2	40
452 601 000 0	60	811 401 096 4	53	830 407 084 4	54	893 040 239 4	52	893 104 053 2	22
452 601 002 0	60	811 401 100 4	53	830 702 126 4	54	893 040 240 4	52	893 104 054 2	22
452 601 005 0	60	811 401 172 4	53	830 702 127 4	54	893 040 250 4	52	893 104 055 2	22
452 601 008 0	60	828 002 110 6	56	890 159 581 4	29	893 040 260 4	52	893 104 056 2	22
452 700 001 0	60	828 002 116 6	57	890 159 584 4	34	893 050 014 4	52	893 104 057 4	41
452 711 056 0	58	828 251 008 6	56	890 159 584 4	34	893 050 024 4	52	893 104 058 4	41
452 711 057 0	58	828 251 010 6	56	890 159 588 4	34	893 050 034 4	52	893 104 061 2	22
452 711 058 0	58	828 251 011 6	56	890 159 590 4	34	893 050 040 4	52	893 104 063 4	41
452 711 059 0	58	828 251 012 6	56	890 159 592 4	34	893 050 054 4	52	893 104 064 4	41, 55
452 711 060 0	58	828 251 013 6	56	890 159 594 4	30	893 050 144 4	52	893 104 065 4	22
452 711 061 0	58	828 251 106 6	56	890 159 597 4	30	893 050 310 4	52	893 104 066 4	40
452 711 062 0	58	828 251 108 6	56	891 500 454 4	43	893 050 370 4	52	893 104 291 2	22
452 711 063 0	58	828 251 110 6	56	891 500 464 4	43	893 050 451 4	52	893 104 292 2	22
452 711 064 0	58	828 251 112 6	56	891 503 000 2	43	893 050 454 4	52	893 104 294 2	22
452 711 065 0	58	828 251 114 6	56	891 503 003 4	42	893 070 054 4	43	893 104 296 2	23, 55
452 711 066 0	58	828 251 115 6	57	891 503 005 4	42	893 070 065 4	43	893 104 297 2	23, 55
452 711 067 0	58	828 251 116 6	57	891 503 050 4	42	893 070 074 4	43	893 104 477 4	26
452 711 068 0	58	828 251 118 6	57	891 503 051 4	42	893 070 094 4	43	893 104 772 2	22
452 711 069 0	59	828 251 121 6	56	891 503 052 4	43	893 070 104 4	43	893 104 773 2	22
452 711 903 0	59	828 251 122 6	56	891 503 053 4	43	893 070 834 4	43	893 104 774 2	22
452 711 904 0	59	828 251 123 6	56	891 503 075 2	43	893 100 000 4	41	893 104 790 2	22
452 713 001 0	59	828 251 124 6	56	891 503 076 2	43	893 100 001 2	22	893 104 795 2	22
452 713 002 0	59	828 251 125 6	56	891 503 076 4	42	893 100 002 4	23	893 104 800 2	22
452 713 003 0	59	828 251 126 6	56	891 650 071 4	54	893 100 004 4	41	893 104 801 2	42
452 713 004 0	59	828 251 127 6	57	893 000 200 0	55	893 100 024 4	26	893 120 008 2	44
452 713 005 0	59	828 251 128 6	57	893 010 010 4	51	893 100 031 4	26	893 120 009 4	16
452 713 006 0	59	828 251 914 6	56	893 010 011 4	51	893 100 035 4	26	893 120 015 4	16
463 703 032 0	48	828 251 915 6	56	893 010 070 4	51	893 100 064 4	26	893 120 018 2	44
463 703 036 0	48	828 251 924 6	57	893 010 100 4	51	893 100 074 4	27	893 120 164 4	44
463 703 114 0	48	828 251 934 6	56	893 010 103 4	51	893 100 110 4	27	893 120 170 4	45
463 703 115 0	48, 55	828 251 942 6	57	893 010 230 4	51	893 100 138 4	26	893 120 204 4	45
463 703 116 0	48	828 251 950 6	57	893 010 251 4	51	893 100 164 4	27	893 120 410 2	44
463 703 117 0	48	828 251 951 6	57	893 011 711 4	51	893 100 174 4	26	893 120 423 4	45
463 703 118 0	48	828 251 952 6	57	893 022 000 2	52, 55	893 100 180 4	27	893 120 424 4	45
463 703 119 0	48	828 251 953 6	57	893 022 001 4	11	893 100 204 4	26	893 120 430 4	45
463 703 120 0	48, 55	828 251 967 6	56	893 022 009 4	52	893 100 224 4	26	893 120 431 4	45
463 703 125 0	48	828 251 968 6	57	893 022 014 4	52, 55	893 100 264 4	26	893 120 471 4	54
463 703 303 0	49	828 251 969 6	57	893 022 015 4	52, 55	893 100 330 4	26	893 121 060 4	45
463 705 102 0	48	828 251 970 6	56	893 022 016 4	11	893 100 340 4	27	893 121 070 2	45
463 705 103 0	48	828 251 971 6	56	893 022 017 4	11	893 100 431 4	26	893 121 070 4	45
463 705 105 0	48	828 251 972 6	57	893 022 018 4	11	893 100 510 4	26	893 121 300 4	45
810 315 002 4	43	828 251 977 6	57	893 022 022 2	52	893 100 554 4	26	893 121 340 4	45
810 315 003 4	43	828 251 978 6	56	893 030 000 2	53	893 100 564 4	27	893 121 641 4	45
810 315 004 4	43	828 252 110 6	56	893 030 001 2	53	893 100 614 4	26	893 129 191 2	16, 55
810 315 005 4	43	828 252 112 6	56	893 030 002 2	53	893 100 624 4	26	893 129 192 2	16, 55
810 904 004 4	51	828 252 113 6	56	893 030 003 2	53	893 100 644 4	27	893 129 193 2	16, 55
810 904 005 4	51	828 252 115 6	56	893 030 004 2	53	893 100 790 4	27	893 129 194 2	44
810 904 006 4	51	828 252 116 6	57	893 030 014 4	52	893 100 834 4	26	893 129 195 2	44
810 904 013 4	51	828 876 011 6	58	893 030 020 4	52	893 100 921 4	26	893 129 196 2	16
810 904 019 4	51	828 876 013 6	58	893 030 040 4	52	893 100 960 4	27	893 129 373 2	44
811 401 008 4	53	828 876 411 6	58	893 030 060 4	52	893 101 164 4	27	893 129 374 2	44
811 401 032 4	53	828 876 413 6	58	893 030 070 4	52	893 102 224 4	27	893 129 375 2	44
811 401 057 4	53	828 876 912 6	58	893 030 080 4	52	893 102 244 4	27	893 129 401 2	44
811 401 066 4	53	828 876 915 6	58	893 030 090 4	52	893 102 254 4	27	893 129 402 2	44

WABCO #		WABCO #		WABCO #		WABCO #		WABCO #	
893 129 403 2	44	893 240 230 4	40	893 500 094 4	35	893 771 235 4	12	893 800 808 2	5, 55
893 129 404 2	44	893 240 400 4	40	893 501 001 4	34	893 771 236 4	12	893 800 809 2	5
893 129 406 4	50	893 280 004 2	22	893 501 004 4	34	893 800 001 2	5, 55	893 800 812 2	5
893 129 407 4	50	893 300 011 4	40	893 501 005 4	34	893 800 002 2	5, 55	893 800 813 2	5
893 129 410 2	44	893 300 012 4	40	893 501 191 4	34	893 800 003 2	5, 55	893 800 814 2	5
893 129 413 2	44	893 300 024 4	40	893 501 193 4	18	893 800 004 2	5, 55	893 800 816 2	5
893 129 414 2	44	893 320 854 2	16	893 501 194 4	18, 55	893 800 005 2	5	893 800 817 2	5
893 129 415 2	44	893 400 001 4	43	893 501 195 4	18	893 800 007 2	5, 55	893 800 818 2	5
893 129 442 2	44	893 400 002 4	28	893 501 196 4	18, 55	893 800 008 2	5, 55	893 800 819 2	5
893 129 443 2	44	893 400 035 4	32	893 501 197 4	34	893 800 009 0	6	893 800 820 2	5
893 129 444 2	16	893 400 054 4	32	893 501 384 4	34	893 800 009 2	5, 55	893 800 821 2	5
893 129 445 2	44	893 400 124 4	32	893 501 385 4	34	893 800 014 0	23	893 800 894 0	23
893 129 446 2	44	893 400 134 4	32	893 501 794 4	34	893 800 022 0	23	893 800 904 0	23
893 129 453 2	16	893 400 235 4	32	893 501 795 4	34	893 800 027 0	13	893 800 914 0	23
893 129 467 4	9	893 400 510 4	32	893 503 070 4	7	893 800 028 0	13	893 800 930 0	46
893 180 013 4	42	893 400 520 4	32	893 503 071 4	6	893 800 033 0	24	893 800 931 0	46
893 180 034 4	42	893 400 861 4	8	893 503 072 4	6	893 800 034 0	6	893 800 932 0	46
893 180 040 4	42	893 400 862 4	8	893 503 073 4	6	893 800 036 0	6	893 800 934 0	46
893 180 054 4	42	893 400 863 4	8	893 510 390 4	50	893 800 037 0	6	893 800 935 0	46
893 180 080 4	42	893 400 864 4	8	893 510 410 2	51	893 800 038 0	6	893 800 941 0	46
893 180 130 4	42	893 400 865 4	8	893 510 420 2	50	893 800 042 0	6	893 800 942 0	46
893 180 184 4	42	893 400 866 4	7	893 510 470 2	50	893 800 043 0	6	893 800 944 0	46
893 180 194 4	42	893 400 867 4	7	893 510 850 4	51	893 800 044 0	23	893 800 945 0	46
893 180 510 4	42	893 401 002 0	17	893 510 860 4	51	893 800 045 0	13	893 800 947 0	46
893 180 544 4	42	893 401 008 4	28	893 510 990 4	50	893 800 046 0	13	893 800 949 0	46
893 180 600 4	40	893 401 011 4	28	893 511 000 4	50	893 800 047 0	13	893 800 964 0	24
893 180 604 4	40	893 401 012 4	28	893 511 010 4	50	893 800 051 0	13	893 800 974 0	24
893 180 654 4	42	893 401 013 4	28	893 511 020 4	50	893 800 054 0	24	893 800 984 0	24
893 180 880 4	42	893 401 014 4	30	893 511 030 4	50	893 800 082 2	5, 55	893 800 994 0	23
893 181 090 4	42	893 401 015 2	17, 55	893 511 110 4	50	893 800 091 2	6	893 801 314 0	24
893 181 170 4	40	893 401 019 0	29	893 511 720 4	50	893 800 092 2	6	893 801 994 0	23
893 181 184 4	41	893 401 292 4	28	893 511 723 4	50	893 800 093 2	6	893 803 013 0	6, 55
893 181 190 4	40	893 401 293 4	28	893 511 725 4	50	893 800 094 2	6	893 803 031 0	6
893 181 194 4	40	893 401 294 4	18	893 519 000 2	50	893 800 095 2	6	893 803 033 0	6
893 181 200 4	41	893 401 769 4	28	893 519 001 2	50	893 800 096 2	6	893 803 034 0	13
893 181 214 4	41	893 401 770 0	29	893 519 002 2	50	893 800 097 2	6	893 803 037 0	13
893 181 230 4	40	893 401 774 4	28	893 519 003 2	50	893 800 098 2	6	893 803 038 0	13
893 181 340 4	40	893 401 775 4	28	893 550 001 4	19	893 800 099 2	6	893 803 039 0	13
893 182 290 4	42	893 401 782 4	29	893 550 002 4	18	893 800 100 2	6	893 803 041 0	13
893 183 340 4	41	893 401 783 4	29	893 550 012 4	7	893 800 101 0	23	893 803 043 0	6
893 183 970 4	42	893 401 784 4	34	893 550 013 4	7	893 800 101 2	6	893 803 046 0	13
893 184 556 4	25	893 401 785 4	34	893 550 016 4	7	893 800 109 0	23	893 803 981 0	17
893 184 676 4	41	893 401 786 4	38	893 550 017 4	7	893 800 144 0	24	893 803 981 2	16
893 184 677 4	41	893 401 787 4	38	893 550 018 4	7	893 800 154 0	24	893 803 983 0	6
893 200 240 4	41	893 401 797 4	17, 55	893 550 046 4	39	893 800 224 0	23	893 803 989 0	6
893 209 062 2	40	893 401 818 4	18, 55	893 550 048 4	39	893 800 234 0	23	893 803 990 0	6
893 209 073 4	41	893 401 826 2	29	893 550 053 4	38	893 800 244 0	23	893 803 991 0	13
893 220 920 2	20	893 401 827 2	17	893 550 101 4	38	893 800 254 0	24	893 803 992 0	6
893 220 921 2	20	893 500 000 4	41	893 770 016 2	10	893 800 264 0	24	893 809 010 0	23
893 226 682 2	20	893 500 001 4	38	893 770 017 2	10	893 800 294 0	23	893 809 020 0	23
893 226 683 2	20	893 500 003 2	43	893 770 145 2	10	893 800 304 0	23	893 810 034 0	25
893 226 689 2	20	893 500 004 4	42	893 770 146 2	10	893 800 364 0	24	893 810 054 0	25
893 226 690 2	20	893 500 005 4	42	893 770 147 2	10	893 800 801 2	5	893 810 500 0	25
893 240 010 4	40	893 500 006 4	42	893 770 148 2	10	893 800 802 2	5	893 820 000 2	22
893 240 050 4	40	893 500 007 4	42	893 770 149 2	10	893 800 803 2	5	893 820 001 2	16
893 240 090 4	40	893 500 008 4	42	893 770 150 2	10	893 800 804 2	5	893 820 002 0	6
893 240 160 4	40	893 500 024 4	36	893 770 151 2	10	893 800 805 2	5	893 820 004 0	6
893 240 210 4	40	893 500 044 4	35	893 771 233 4	12	893 800 806 2	5	893 820 005 4	42
893 240 224 4	40	893 500 064 4	35	893 771 234 4	12	893 800 807 2	5	893 820 009 2	22

WABCO #		WABCO #		WABCO #		WABCO #		WABCO #	
893 820 012 0	24	893 831 217 0	12	893 850 314 0	36	893 900 157 0	47	897 073 071 4	53
893 820 024 0	24	893 831 219 0	12	893 850 324 0	36	893 900 760 0	47	897 073 072 4	53
893 820 061 0	24	893 831 223 0	13	893 850 394 0	36	893 900 765 0	38	897 073 073 4	53
893 820 070 0	25	893 831 226 0	12	893 850 404 0	36	893 905 794 2	16	897 073 074 4	53
893 820 084 0	24	893 831 227 0	49	893 850 460 0	36	893 905 801 4	7	897 073 075 4	53
893 820 094 0	24	893 831 261 0	12	893 850 471 0	36	893 905 802 4	7	897 073 076 4	53
893 820 104 0	24	893 831 263 0	13	893 850 494 0	36	893 920 000 4	17	897 073 077 4	53
893 820 114 0	24	893 831 264 0	14	893 850 660 0	36	893 920 241 4	8	897 770 250 4	53
893 820 134 0	24	893 831 265 0	15	893 851 380 0	34	893 920 311 2	9	897 770 530 4	53
893 820 144 0	24	893 831 266 0	14	893 851 390 0	34	893 920 311 4	11	897 772 671 4	53
893 820 160 0	25	893 831 267 0	14	893 851 400 0	34	893 920 312 2	9	897 772 673 4	53
893 820 234 2	25	893 831 268 0	15	893 860 014 0	35	893 920 312 4	11	897 780 400 4	53
893 820 240 0	25	893 831 269 0	12	893 860 044 0	35	893 920 313 2	9	899 022 023 4	11
893 820 564 0	24	893 831 271 0	14	893 860 053 0	35	893 920 313 4	11	899 360 140 4	51
893 820 574 0	25	893 831 272 0	14	893 860 060 0	35	893 920 314 2	9	899 360 210 4	51
893 820 584 0	25	893 831 273 0	13	893 860 081 0	35	893 920 315 2	9	899 360 260 4	51
893 820 590 0	46	893 831 274 0	14	893 860 091 0	35	893 920 316 2	9	899 700 001 4	11
893 820 591 0	46	893 831 275 0	14	893 860 104 0	35	893 920 317 2	9	899 700 002 4	11
893 820 592 0	46	893 831 276 0	49	893 860 144 2	35	893 920 318 2	9	899 700 003 4	11
893 820 810 2	45	893 831 277 0	14	893 860 150 0	35	893 920 319 2	9	899 700 007 4	11
893 820 887 2	16	893 831 278 0	14	893 860 194 0	35	893 920 320 2	9	899 700 008 4	11
893 821 074 2	24	893 831 279 0	14	893 860 314 0	37	893 920 321 2	6	899 700 011 4	11
893 821 124 0	25	893 831 281 0	14	893 860 374 0	35	893 920 322 2	6	899 700 012 4	11
893 821 170 0	25	893 831 282 0	49	893 860 384 0	37	893 920 323 2	6	899 700 013 4	11
893 821 211 0	24	893 831 283 0	14	893 860 424 0	35	893 920 324 2	6	899 700 014 4	11
893 821 224 0	24	893 831 284 0	14	893 860 440 0	47	893 920 325 2	6	899 700 015 4	11
893 821 234 0	24	893 831 285 0	14	893 860 441 0	47	893 920 326 2	7	899 700 016 4	11
893 821 244 0	24	893 831 286 0	49	893 860 443 0	47	893 920 327 2	7	899 700 017 4	11
893 821 254 0	24	893 831 287 0	49	893 861 254 0	37	893 920 328 2	7	899 700 111 4	9
893 821 390 0	25	893 831 288 0	15	893 861 284 0	37	893 920 338 2	20	899 700 112 4	9
893 821 430 0	24	893 831 289 0	14	893 861 470 0	47	893 920 340 2	21	899 700 113 4	9
893 821 450 0	24	893 831 291 0	13	893 880 011 0	9	893 920 342 2	21	899 700 114 4	9
893 821 460 0	24	893 831 292 0	13	893 890 014 0	27	893 920 342 4	16	899 700 115 4	9
893 830 000 0	17	893 831 293 0	13	893 890 030 0	27	893 920 351 2	20	899 700 116 4	9
893 830 014 0	30	893 831 294 0	13	893 890 040 0	27	893 920 364 2	10	899 700 117 4	9
893 830 024 0	30	893 831 295 0	13	893 890 063 0	32	893 920 365 2	10	899 700 118 4	9
893 830 034 0	30	893 831 296 0	15	893 890 074 0	32	893 920 366 2	10	899 700 119 4	9
893 830 042 0	30	893 831 297 0	13	893 890 081 0	32	893 920 367 2	10	899 730 111 4	51
893 830 104 0	30	893 831 298 0	13	893 890 094 0	37	893 920 368 2	11	899 730 170 4	51
893 830 114 0	30	893 831 299 0	14	893 890 113 0	37	893 920 369 2	9	899 730 182 4	51
893 830 204 0	30	893 831 320 0	30	893 890 114 0	37	893 920 370 2	10	899 730 190 4	51
893 830 214 0	30	893 831 330 0	30	893 890 120 0	38	893 920 379 2	7		
893 830 441 2	30	893 831 501 0	17	893 890 450 0	28	893 920 380 2	7		
893 830 471 0	30	893 831 747 0	29	893 890 570 0	27	893 997 787 4	8		
893 830 750 0	30	893 831 749 2	21	893 890 641 0	33	893 997 788 4	8		
893 830 760 0	32	893 840 014 0	30	893 890 820 0	22	893 997 789 4	8		
893 830 770 0	30	893 840 034 0	31	893 890 860 0	28	893 997 790 4	8		
893 830 998 0	31	893 840 054 0	30	893 900 014 4	26	893 997 791 4	8		
893 831 177 0	17	893 840 084 0	31	893 900 015 4	26	893 997 792 4	8		
893 831 178 0	17	893 840 094 0	30	893 900 016 4	26	893 997 793 4	8		
893 831 181 0	17	893 840 104 0	31	893 900 017 4	26	893 997 794 4	8		
893 831 182 0	17	893 840 210 2	31	893 900 021 4	26	893 997 795 4	8		
893 831 183 0	17	893 850 064 0	36	893 900 033 2	59	893 997 796 4	8		
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893 831 212 0	14	893 850 092 0	36	893 900 141 0	47	897 017 967 4	21		
893 831 213 0	14	893 850 093 0	36	893 900 145 0	47	897 042 560 4	53		
893 831 214 0	15	893 850 154 0	36	893 900 146 0	47	897 042 640 4	53		
893 831 215 0	14	893 850 184 0	37	893 900 147 0	38	897 042 641 4	53		
893 831 216 0	14	893 850 214 0	36	893 900 151 0	47	897 071 110 4	53		



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