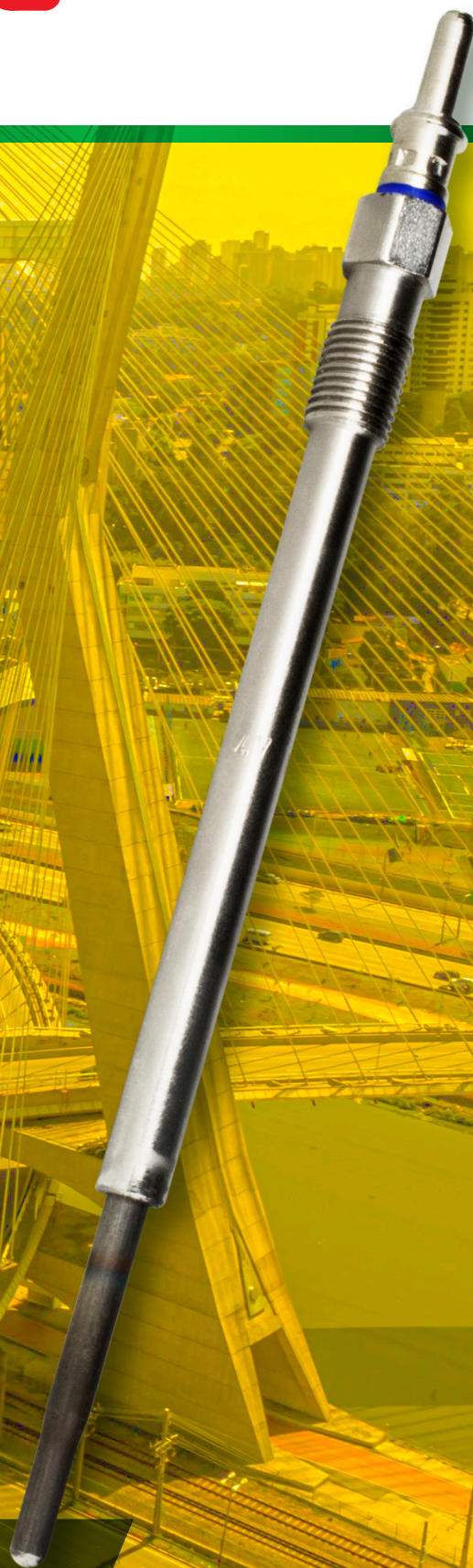


HESCHER

VELAS DE AQUECIMENTO PARA MOTORES DIÉSEL

APLICAÇÕES, EQUIVALÊNCIAS
E DADOS TÉCNICOS

Indústria Brasileira



CATÁLOGO 2020

				
AGRALE				
Marrua 2.8 D	4.07 TCA	01/05	12/11	135
ASIA				
Rocsta 2.2 D	R2	08/94	12/98	176
BMW				
X 5 M 50 d 3.0	N57 D30C	11/13	06/18	641
X 5 M 50 xDrive 3.0	B57 D30C	10/18	>>	641
X 5 xDrive 30 d 3.0	B57 D30A	10/18	>>	641
X 5 xDrive 30 d 3.0	N57 D30A	11/13	06/18	641
CATERPILLAR				
Escavadeira	3204, 3304, 3306, 3406, 3408, 3412, D315, D330, D333			532
Escavadeira	D4, D7, 3204, 3304			495
Escavadeira	D4, D7, 3205			497
Escavadeira	D6, D9, 3304, 3300, 340			461
CHEVROLET				
Blazer 2.5 D, 4x4	4A	10/97	01/00	135
Blazer 2.8 D	4.07 TCA	02/00	07/05	135
GMC 3500 HD 4.2	6.07 T	01/96	12/01	135
GMC 6-150 4.2	6.07 T	01/96	12/01	135
Pick Up Trafic				139
S10 2.5 D	Maxion 4A	10/95	01/00	135
S10 2.5 D 4x4	Maxion 4A	10/95	01/00	135
S10 2.8 CTDI 4x4	Duramax	02/12	08/13	610
S10 2.8 D	MWM 4.07 TCA	02/00	07/05	135
S10 2.8 D 4x4 Electronic	MWM 4.07 TCE	08/05	01/12	135
Silverado 4.2 D	6.07T	11/96	12/01	135
Space Van 2.1 D	J8S	01/90	12/99	110
Tracker 2.0 D	DW10ATED	01/02	12/04	132
Trafic Pick Up				139
CITROËN				
Jumper 1.9 D		02/94	>>	110
Jumper 2.3 HDI	F1C	03/12	>>	352
Jumper 2.3 HDI Euro 5	F1A	01/12	>>	352
Jumper 2.8	8140.63	01/02	08/05	332
Jumper 2.8 HDI	8140.43s	09/05	09/09	332
Jumper 2.8 T	8140.43	12/01	08/05	332
Jumpy 1.6 Blue HDi	BHX	10/17	>>	614
DODGE				
Dakota 2.5 D	Magnum I-4	10/98	12/01	152
FIAT				
Ducato 10 2.5 D	8140.67	03/94	03/98	129
Ducato 14 2.5 D	8140.67	03/94	03/98	129
Ducato 14 2.8 D	8140.63	04/98	03/02	332
Ducato 18 2.5 D	8140.67	03/94	03/98	129
Ducato 18 2.5 D 4x4	8140.67	03/94	03/98	129
Ducato 2.5 D	8140.67.22.00	11/97	12/99	129
Ducato 2.8 D	8140.63.22.60	04/99	05/05	332
Ducato Cargo 2.3	F1AE048IT	09/09	03/12	352
Ducato Cargo 2.3	F1C	04/12	>>	352
Ducato Cargo 2.5 D	8140.67.22.00	11/97	05/05	129
Ducato Cargo 2.5 D				139
Ducato Cargo 2.8 D	8140.63.22.60	04/99	05/05	332
Ducato Combinato 2.3	F1AE048IT	09/09	03/12	352
Ducato Combinato 2.3	F1C	04/12	>>	352
Ducato Maxi Cargo 2.3	F1AE048IT	09/09	03/12	352
Ducato Maxi Cargo 2.3	F1C	04/12	>>	352
Ducato Minibus 2.3	F1AE048IT	09/09	03/12	352
Ducato Minibus 2.3	F1C	04/12	>>	352
Ducato Multi 2.3	F1AE048IT	09/09	03/12	352
Ducato Multi 2.3	F1C	04/12	>>	352
Toro 2.0	ECD	02/16	>>	632

				
Toro 2.0 4x4	ECD	02/16	>>	632
FORD				
Caminhão (diversos)	MWM D225 / D226 / D299			241
Ranger 2.2 TDCi, 4x4	GBVAJQJ	09/11	>>	601
Ranger 2.2 TDCi, 4x4	Duratorq	07/12	>>	601
Ranger 2.2 TDCi, 4x4	Puma TDCi	07/12	>>	601
Ranger 2.2 TDCi, 4x4	QJ2S	09/15	>>	601
Ranger 2.5 D, 4x4	WL	10/99	09/01	175
Ranger 2.5 TD, 4x4	WL-T	10/99	09/01	175
Ranger 3.2 TDCi, 4x4	Duratorq, P5AT	07/12	>>	601
Ranger 3.2 TDCi, 4x4	Puma TDCi	07/12	>>	601
Transit 2.2		06/12	12/13	601
Transit 2.4	Duratorq	02/12	>>	601
Transit FT 300 2.2 TDCi	CYRA, CYRB, CYRC	09/11	12/13	601
Transit FT 330 2.2 TDCi	CYRA, CYRB, CYRC	09/11	12/13	601
Transit FT 330 2.4 TDCi	JXFA, JKFC	07/06	09/11	246
Transit FT 350 2.2 TDCi	CYFA, CYFB, CYFC, CYFD	09/11	12/13	601
Transit FT 350 2.2 TDCi	CYRA, CYRB, CYRC	09/11	12/13	601
GENERAL MOTORS				
GMC 3500 HD 4.2	6.07T	08/96	12/01	135
GMC 6-150 4.2	6.07T	08/96	12/01	135
HUMMER				
H1 6.5	L65	09/01	12/04	458
HYSTER				
Empilhadeira (diversos)				241
HYUNDAI				
Galloper II 2.5 TD	D4BF	02/97	08/01	192
Galloper II 2.5 TD	D4BH	02/97	09/02	192
H-1 2.5	D4BB	10/97	08/02	192
H-1 2.5 TCI	D4BH	10/99	12/06	192
H-100 2.5 D	D4BA	07/93	03/00	192
H-100 2.5 D	D4BB	07/94	03/00	192
H-100 2.5 D	D4BX	02/93	12/94	192
H-100 2.5 Intercooler	D4BA	07/94	03/00	192
HR 2.5 (Euro V)	D4CB	01/13	>>	541
HR 2.5 TCI	D4BH	04/07	12/12	192
Porter 2.6 D	D4BB	03/87	>>	192
Santa Fé I 2.0 CRDI	D4EA	08/01	03/06	463
Santa Fé II 2.2 CRDI	D4EB	03/06	12/09	463
Starex 2.5 D	D4BB	10/97	08/02	192
Terracan 2.5 TD	D4BH	02/01	12/04	192
Tucson 2.0 CRDI 16v		01/05	>>	463
INTERNATIONAL				
Caminhão (diversos)				241
IVECO				
Daily 35 C14 Euro III 2.3	F1AE048IH..	04/06	05/09	352
Daily 35 S14 Euro III 3.0	F1CE0481	08/07	03/12	352
Daily 35 S14 Euro V 3.0	35S14	01/12	>>	352
Daily 35 S14 Euro V 3.0	35S14HD	01/12	>>	352
Daily 40 S16 3.0	F1CE0481	08/07	03/12	352
Daily 45 S14 3.0	F1CE0481	08/07	03/12	352
Daily 45 S16 3.0	F1CE0481	08/07	03/12	352
Daily 45 S17 3.0	F1C DS	04/12	>>	352
Daily 55 C16 Euro III 3.0	F1CE0481	08/07	03/12	352
Daily 55 C17 Euro V 3.0	55C17	01/12	>>	352
Daily 70 C16 Euro III 3.0	F1CE0481	08/07	03/12	352
Daily 70 C16 HD Massimo Euro III 3.0	F1CE0481	05/10	03/12	352
Daily 70 C17 3.0	F1C DS	04/12	>>	352
Daily 70 C17HD Euro V 3.0	70C17HD	01/12	>>	352
Onibus 3.0	45S17 - Ecoline (Euro 5)			352
Onibus 3.0	50C16 (Euro 3)			352
Onibus 3.0	55C17 - Ecoline (Euro 5)			352

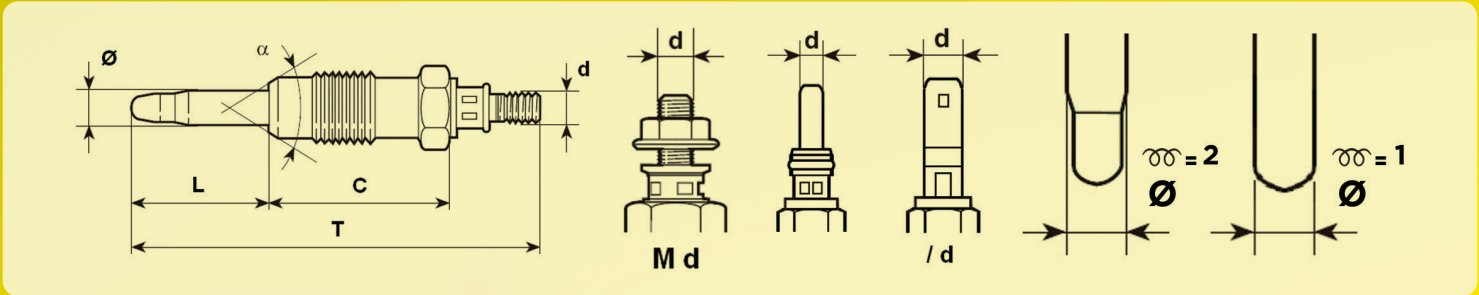
				
Onibus 3.0	City Class (Euro 3)			352
Scudato 70 C16 3.0	FICE0481	08/07	12/11	352
Scudato 70 C17 3.0	FIC DS	04/12	>>	352
JEEP				
Cherokee 2.5 TD	ENC, ENO	01/97	12/01	152
Cherokee 2.5 TD	ENC, ENO	10/95	12/96	110
Cherokee 2.5 Turbo	ENC, ENO	10/95	12/96	139
Cherokee 2.8 CRD	ENR	03/03	12/07	329
Cherokee 3.1 D	EXA	01/00	12/01	152
Compass 2.0 4x4 MK	ECD	10/16	>>	632
Grand Cherokee 2.7 CRD	ENF	10/01	12/04	143
Grand Cherokee 3.0 CRD	EXL	03/05	10/11	305
Grand Cherokee 3.0 CRDi 4x4	VM--23D	04/11	12/13	632
Grand Cherokee 3.0 CRDi 4x4	VM--23D	01/14	>>	642
Grand Cherokee 3.1 TD	EXA	01/99	12/00	152
Renegade 2.0 4x4	ECD	04/15	>>	632
KIA				
Besta 2.2	HW			175
Besta 2.2 D 4x2	R2	03/90	07/00	175
Besta 2.2 D 4x2 (Gulf)	R2	03/90	07/00	175
Besta 2.7 D 4x2	VN	03/90	07/99	175
Besta 3.0 GS	JT	02/97	12/03	175
Bongo K2500 2.5	16v (D4BH -TCI)	01/08	>>	192
Bongo K2500 2.5		01/05	12/12	170
Bongo K2700 2.7	OHV	01/97	>>	175
Ceres 2200 2.2	OHV	01/93	12/96	175
Ceres 2200 2.2	R2 2.2L 3M	01/93	12/96	175
K2500 2.5	D4BH	01/01	12/03	192
K2500 TCI 2.5	D4BH	09/01	08/03	192
K2700 2.7	J2	04/98	07/04	175
K2900 2.9 D	J3	01/08	>>	463
Mohave 3.0 V6 CRDI	D6EA	10/06	>>	631
Pregio 3.0 D	JT	02/97	12/03	175
Sorento 2.5		01/04	12/09	541
Sportage 2.0	8v	01/00	12/03	175
Sportage 2.0 CRDi	D4EA	02/05	>>	463
Sportage 2.2		01/95	12/99	175
Sportage 2.2 D 4x4	HW	05/93	10/98	175
Sportage 2.2 DLX 4x4				223
KUBOTA				
Trator, cortador, escavadeira				529
Trator, cortador, escavadeira				533
Trator, cortador, escavadeira				597
LAND ROVER				
Defender 110 2.5 TD	Gemini TCI D.I. 23L	08/90	12/01	135
Defender 90 2.5 TD	Gemini TCI D.I. 23L	08/90	12/01	135
Discovery I 2.5 TDI	19L, 21L, 22L, 23L	10/93	12/98	135
Discovery I 2.5 TDI	200 Tdi	09/89	09/94	135
Discovery Sport SD4 AWD 2.2	224DT	09/14	08/17	651
Discovery V 3.0 Td6 AWD	306DTX	04/17	>>	640
Freelander 2 eD4 2.2	DW12BTED4	09/10	12/10	604
Freelander 2 eD4 2.2	DW12BTED4	01/11	11/14	651
Freelander 2 SD4 AWD 2.2	224DT	09/10	12/10	604
Freelander 2 SD4 AWD 2.2	224DT	01/11	11/14	651
Freelander 2 TD4 AWD 2.2	224DT	10/06	12/10	604
Freelander 2 TD4 AWD 2.2	224DT	01/11	11/14	651
Range Rover Evoque 2.2 SD4 AWD	224DT	09/11	08/15	651
Range Rover III 3.0 Td6 AWD	M57 D30	03/02	09/06	238
Range Rover III 3.6 TDV8 AWD	3.6 32V Lion	09/06	08/09	353
Range Rover III 4.4 TDV8 AWD	4.4	09/10	01/13	640
Range Rover IV 4.4 SD AWD	448DT	01/14	>>	640
Range Rover Sport 2.7 TD AWD	276DT	03/05	08/09	353

				
Range Rover Sport 3.0 SDV6 AWD	306DT	09/13	>>	640
Range Rover Sport 3.0 TD AWD	306DT	09/09	08/13	640
Range Rover Sport 4.4 SDV8 AWD	448DT	01/14	>>	640
MAHINDRA				
Scorpio Pickup 2.6 CRDE	NEF CRDE	02/08	12/12	351
Scorpio SUV 2.6 CRDE	NEF CRDE	02/08	12/12	351
MAZDA				
B 2200 2.2 D	F2	08/84	>>	176
B 2200 2.2 D	R2	01/84	02/88	176
B 2500 Diesel 2.5	MD25NA	02/99	03/06	175
B 2500 Diesel 4x4 2.5		02/99	03/06	175
T 2500 2.5 D (12V)	XA	10/80	>>	176
T 3000 3.0 D (12V)	HA	10/80	12/92	176
T 4100 4.1 D (12V)	ZB	10/80	>>	176
MERCEDES BENZ				
215 CDI Sprinter 2.1	OM 651.955 DE 22 LA	06/11	>>	621
250 D Turbo Diesel 2.5	OM 602.962	09/88	06/93	139
300 D Turbo 3.0	OM 603.960 → mot. N°017191	09/86	06/93	110
300 D Turbo 3.0	OM 603.960 mot. N°017192 →	09/86	06/93	139
310 D Sprinter 2.5	OM 014 A	09/96	05/01	135
311 CDI Sprinter 2.2	611.981	01/01	>>	143
311 CDI Sprinter 2.2	611.987	01/01	>>	143
311 CDI Sprinter 2.2	OM 611 LA	06/01	12/04	143
312 D Sprinter 2.5	OM 014 LA	08/99	05/01	135
312 D Sprinter 2.5	OM 014 LA	10/99	05/01	135
313 CDI Sprinter 2.2	611.987	01/02	12/12	143
313 CDI Sprinter 2.2	OM 611 LA	06/01	05/12	143
315 CDI Sprinter 2.1	OM 651.955 DE 22 LA	06/11	>>	621
412 D Sprinter 2.5	OM 014 LA	10/99	05/01	135
413 CDI Sprinter 2.2	611.987	01/03	12/12	143
413 CDI Sprinter 2.2	612.981	01/03	12/12	143
413 CDI Sprinter 2.2	OM 611 LA	06/01	05/12	143
415 CDI Sprinter 2.1	OM 651.955 DE 22 LA	06/11	>>	621
515 CDI Sprinter 2.1	OM 651.955 DE 22 LA	06/11	>>	621
715 C (Accelo) 2.7	OM 612.983	03/03	12/05	143
MB 100 D 2.4	OM 616.963 → mot. N°126321	09/91	01/96	110
MB 100 D 2.4	OM 616.963 mot. N°126322 →	09/91	01/96	139
MB 180 2.4	OM 616.963 → mot. N°126321	01/87	01/96	110
MB 180 2.4	OM 616.963 mot. N°126322 →	02/89	01/96	139
ML 320 CDI 4matic 3.0	OM 642.940	03/05	04/09	305
ML 350 CDI 4matic 3.0	OM 642.940	05/09	01/10	305
MITSUBISHI				
Canter 3.0 TDI	4M420AT	04/01	07/05	511
L 200 2.3 4x4	4D55	01/83	10/86	158
L 200 2.5	4D56	>>	12/12	315
L 200 2.5 D 4x2	4D56	10/84	10/93	192
L 200 2.5 D 4x2	4D56	11/93	05/96	460
L 200 2.5 D Turbo	4D56	08/97	12/03	192
L 200 2.5 D Turbo GLS	4D56 VGT	01/04	12/07	192
L 200 2.5 D Turbo HPE	4D56 VGT	01/04	12/07	192
L 200 2.5 TD Intrcooler 4x4	4D56	01/96	12/07	192
L 200 2.8 D	4M40	10/96	09/00	528
L 200 3.2 4x4 Triton	4M41	12/12	>>	620
L 200 3.2 4x4 Triton	4M41	12/12	>>	620
L 200 3.2 4x4 Triton	4M41	09/07	11/12	620
L 200 3.2 4x4 Triton	4M41	12/12	>>	620
L 300 2.5	4D56	01/95	12/00	315
L 300 2.5 D Van 4x2	4D56	06/93	12/00	231
L 300 2.5 D Van 4x2	4D56	11/86	05/93	192
L 300 2.5 D Van 4x2	4D56	06/93	12/00	460
L 300 2.5 D Wagon 4x2 short	4D56	06/94	08/97	231
L 300 2.5 D Wagon 4x2 short	4D56	11/86	05/94	192

				
L 300 2.5 TD	4D56	08/98	12/03	192
Outlander 2.2 DI-D 4x4	4N14	04/12	>>	648
Pajero 2.3 TD	4D55	05/82	11/82	158
Pajero 2.5 TD	4D55	12/90	06/93	158
Pajero 2.5 D	4D56	01/91	12/93	192
Pajero 2.5 D	4D56	08/91	05/93	192
Pajero 2.5 D cabrio	4D56	04/91	07/93	192
Pajero 2.5 D cabrio	4D56	08/93	05/99	460
Pajero 2.5 TD	4D56	04/91	07/93	192
Pajero 2.5 TD	4D56	08/93	05/99	460
Pajero 2.5 TD Intercooler	4D56	12/90	01/98	192
Pajero 2.5 TD Intercooler	4D56	02/98	06/00	460
Pajero 2.8 TD Intercooler	4M40	06/97	04/00	528
Pajero 3.2 DI-D 4x4	4M41	02/00	08/06	511
Pajero 3.2 DI-D Full	4M41	07/09	>>	620
Pajero Sport 2.5	4D56	01/06	12/11	315
Pajero Sport 2.5 TD	4D56	08/98	02/09	460
Pajero Sport 2.5 TD+	4D56	07/01	02/09	460
Triton 2.8 D	4M40A	10/96	09/00	528
NISSAN				
Caravan 2.7	TD27T	10/88	05/93	180
Frontier 2.5	YD25ETI	02/12	12/16	643
Frontier 2.5	YD25ETI	02/12	12/16	643
Frontier 2.5	YD25ETI	10/08	01/12	514
Frontier 2.5	YD25ETI	10/08	01/12	514
Frontier 2.5 4x4	YD25ETI	02/12	12/16	643
Frontier 2.5 TD	YD25DDTI	08/08	>>	514
Frontier 2.8 D	4.07 TCA	01/02	07/05	135
Navara 2.3 DCI 4x4	M9T	11/15	>>	643
NP 300 2.5 DCI 4x4	YD25DDTI	04/08	>>	514
Pathfinder 2.5 DCI 4x4	YD25DDTI	01/05	12/09	514
Pathfinder 2.5 DCI 4x4	YD25DDTI	01/10	11/14	603
Pathfinder 2.7 TD 4x4	TD27T	02/89	02/96	180
Pathfinder 3.0 DCI 4x4	VX9	05/10	11/14	603
Terrano I 2.7 D	TD27	08/87	11/95	192
Terrano II 2.7 TD	TD27T	02/93	02/02	180
X Terra 2.8 D	4.07 TCA	02/03	07/05	135
X-Trail 2.2 DCI 4x4	YD22DDTI	12/03	>>	514
X-Trail 2.2 DI 4x4	YD22ETI	07/01	>>	514
PERKINS				
Motores	3.152, 4.203, 4.257, 6.305, 6.354, 6.357			241
PEUGEOT				
504 1.9 D Pickup	XD4x88	01/80	12/89	110
504 2.3 D Pickup	XD2	03/96	03/06	110
504 2.3 D Pickup	XD2	01/96	>>	139
Boxer 2.3	-			139
Boxer 2.3	F1A	01/12	>>	352
Boxer 2.3 D	F1C	03/12	>>	352
Boxer 2.5 TD	T8A	02/94	02/02	110
Boxer 2.5 TD	T8A	02/94	02/02	139
Boxer 2.5 TD	THZ	02/94	02/02	110
Boxer 2.5 TD	THZ	02/94	02/02	139
Boxer 2.8 D	8140.63	01/99	02/02	332
Boxer 2.8 D		01/99	12/09	136
Expert 1.6 Blue HDi	BHX	10/17	>>	614
PORSCHE				
Panamera 3.0	MRC.CC	08/11	08/16	602
RENAULT				
Master 2.3 DCI 16v	M9T 692	03/12	>>	603
Master 2.5 DCI 16v	G9U-724	10/04	02/12	250
Master 2.8 DTI	S9W 702	07/98	10/01	136

				
SSANGYONG				
Actyon 2.0 XDI	D20DT (OM664.951)	09/06	12/10	542
Actyon Sports 2.0 Xdi 4x4	D20DT (OM664.951)	03/07	12/12	542
Istana 2.9 D Van	OM 662	01/92	06/03	139
Korando 2.0 D AWD	D20DT	07/10	>>	636
Korando 2.9 TD	OM 662 LA	12/96	10/10	139
Korando 2.9 TD Intercooler 4x4	OM 662 LA	07/96	12/05	139
Kyron 2.0 XDI, 4x4	D20DT	05/05	12/15	542
Musso 2.9 D	OM 662 D29	07/93	12/05	139
Musso 2.9 TD Intercooler	OM 662 D29 LA	05/97	12/05	139
Rexton RX 270 XVT 4x4 2.7		09/10	12/12	542
Rexton 2.9 TD	OM 662 LA	09/02	12/09	139
SUZUKI				
Grand Vitara 2.0 TD	RHZ	11/00	12/05	132
TOYOTA				
Bandeirante 3.8	OM 314	01/74	12/90	205
Hiace Mk IV 2.5		01/02	>>	505
Hilux 2.4	2L	01/92	12/98	205
Hilux 2.4 TDI	2GD-FTV	11/15	>>	650
Hilux 2.5	Turbina simples s/intercooler (2KDFTV)	08/04	>>	505
Hilux 2.5 4x4	2.5L	11/01	>>	505
Hilux 2.8 TDI 4x4	1GD-FTV	11/15	>>	650
Hilux 2.8 D	3L	01/95	08/98	205
Hilux 2.8 D 4x4	3L	01/95	08/98	205
Hilux 3.0 16V D Turbo Intercooler	1KD-FTV	03/05	12/11	505
Hilux 3.0 16V D Turbo Intercooler 4x4	1KD-FTV	08/05	12/11	505
Hilux Surf	-	10/00	>>	505
Land Cruiser	-	10/00	>>	505
Land Cruiser 3.0 D-4D	1KD-FTV	09/02	08/09	505
Land Cruiser Prado 3.0 TD	1KD-FTV	09/02	>>	505
Previa 2.0		03/01	>>	505
Rav 2.0 4x4 MK II (XA2)		09/01	>>	505
SW4 2.8 TDI 4x4	1GD-FTV	01/16	>>	650
TROLLER				
T4, T4-M 2.8	4.07 TCA	10/01	08/05	135
VOLKSWAGEN				
Amarok 2.0 16v	CSHA	01/12	>>	602
Amarok 2.0 BiTDI	CDCA	04/10	05/12	602
Amarok 2.0 BiTDI	CNEA	06/12	>>	602
Amarok 2.0 BiTDI 4 motion	CDCA	09/10	>>	602
Amarok 2.0 TDI	CDBA	04/11	>>	602
Amarok 2.0 TDI	CNEA	11/11	>>	602
Amarok 2.0 TDI 4 motion	CDBA	09/10	>>	602
California T4 1.9 TD	ABL	10/92	06/03	112
California T4 2.4 D	AJA	05/97	06/03	112
Caravelle T4 2.4 D	AJA	05/97	06/03	112
Eurovan 2.4 D	AAB	10/92	08/98	112
Kombi 1.6 D	BE	02/81	12/86	112
Multivan T4 1.9 TD	ABL	10/92	06/03	112
Multivan T4 2.4 D	AJA	05/97	06/03	112
Saveiro I 1.6 D	BE	10/84	10/89	112
Transporter 1.6 D	BE	10/81	10/89	112
Transporter T4 1.9 TD	ABL	10/92	06/03	112
Transporter T4 2.4 D	AJA	05/97	06/03	112
VOLVO				
XC 60 D5 2.0	D4204T23	08/17	>>	642
XC 70 2.4 A AWD	D5244T5	08/07	07/09	638
XC 70 2.4 A AWD	D5244T16	08/09	07/11	638

DADOS TÉCNICOS

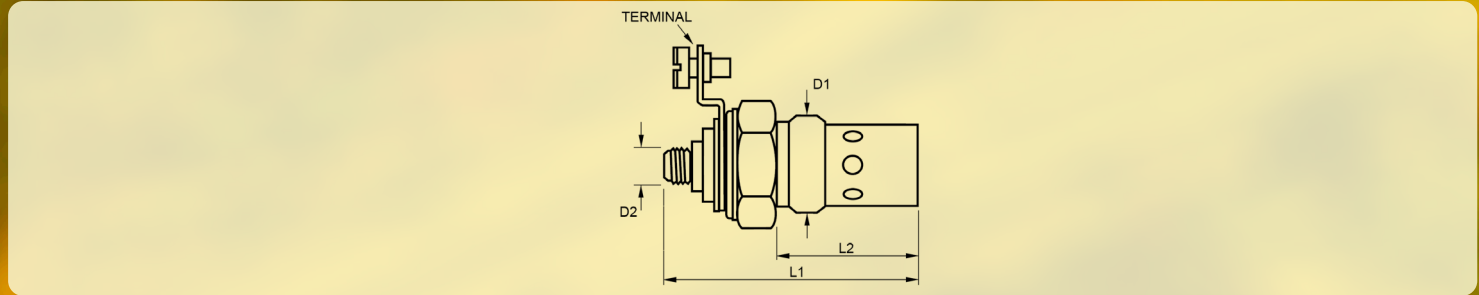


H	T	L	C		Ø	d			a					
	mm	mm	mm		mm	mm			°					
110	69	24	32	M12x1,25	6	M5	12	11	63	<5	2	c	15-20	3-4
112	59	20	26	M12x1,25	6	M5	12	11	63	<5	2	c	15-20	3-4
129	65	20	32	M12x1,25	5	M4	12	11	63	<5	2	c	15-20	1-1,5
132	104	27	63,5	M10x1,00	5	M4	10	11	63	<5	2	c	10-12	1-1,5
135	122	26	83	M10x1,00	5	M4	10	11,5	90	<5	2	c	10-12	1-1,5
136	75	24	38	M10x1,00	5	M4	10	11	63	<5	2	c	10-12	1-1,5
139	67	22	32	M12x1,25	6	M5	12	11,5	63	<5	2	c	15-20	3-4
143	130	27	80	M10x1,00	5	4	10	11	63	<5	2	c	10-12	-
152	95	29	46	M10x1,00	5	4	10	11	63	<5	2	c	10-12	-
158	90	22	54	M10x1,25	5	M4	12	12	120	<19	1	s	10-12	1-1,5
170	89	21,5	54	M10x1,25	5	M4	12	11	120	<5	2	c	10-12	1-1,5
175	80	21,5	45,5	M10x1,25	5	M4	12	11	120	<5	2	c	10-12	1-1,5
176	84	22	48	M10x1,25	5	M4	12	10,5	120	<5	2	c	10-12	1-1,5
180	85	19,5	52,5	M10x1,25	5	M4	12	11	120	<5	2	c	10-12	1-1,5
192	88	22,5	52,5	M10x1,25	5	M4	12	11	120	<10	2	c	10-12	1-1,5
205	87	31	43	M10x1,25	5	M4	12	11	93	<10	2	c	10-12	1-1,5
223	75	16,5	45,5	M10x1,25	5	M4	12	11	120	<5	2	c	10-12	1-1,5
231	78	17,5	47	M10x1,25	5	M4	12	11	120	<5	2	c	10-12	1-1,5
238	105	32	46	M10x1,00	5	4	10	11	63	<5	2	c	10-12	-
246	143	34	96	M10x1,00	5	M4	10	11,5	93	<7	2	c	10-12	1-1,5
250	149	24	105	M10x1,00	5	4	10	11	63	<5	2	c	10-12	-
305	148	26,5	100	M8x1,00	4/3,3	4	8	4,4	93	<5	2	c	8-10	-
315	78	17,5	47	M10x1,25	5	M4	12	11	120	<5	2	c	10-12	1-1,5
329	129	26	83	M10x1,00	5	4	10	11	63	<5	2	c	10-12	-
332	79	24	42	M10x1,00	5	M4	10	11	63	<5	2	c	10-12	1-1,5
351	119	27	70	M8x1,00	4	4	8	11	93	<5	2	c	8-10	-
352	149	39	90	M8x1,00	4/3,3	4	8	11	93	<5	2	c	8-10	-
353	124	24	80	M8x1,00	4	4	8	11	93	<5	2	c	8-10	-
458	76	27,5	27,5	M10x1,00	5	/6,3	9,5*	10,5	93	<5	2	c	10-12	-
460	79	20	45,5	M10x1,25	5	M4	12	11	120	<10	2	c	10-12	1-1,5
461	117,5	23	83,5	3/8x24 UNF	6	6	9,5*	24	63	<20	1	s	10-12	-
463	112	29	61	M10x1,00	5	M4	10	11	63	<5	2	c	10-12	1-1,5

8*: medida padrão é 10 e 9,5mm, a medida opcional é 8mm
9*: medida padrão é 10, a medida opcional é 8mm

H	T	L	C		Ø	d			a					
	mm	mm	mm		mm	mm			°					
495	85	22,5	50,5	3/8x24 UNF	6	2,3	8*	24	63	<20	1	s	8-10	-
497	117,5	23	83,5	3/8x24 UNF	6	6	9,5*	12	63	<20	1	s	10-12	-
505	170	37	117	M10x1,25	4/3,5	M4	12	11	119	<5	2	c	10-12	1-1,5
511	166	35	115	M10x1,25	5	M4	12	11	93	<5	2	c	10-12	1-1,5
514	176	21	140,5	M10x1,25	5	M4	12	11	120	<5	2	c	10-12	1-1,5
528	81	20,5	47	M10x1,25	5	M4	12	11	120	<10	2	c	10-12	1-1,5
529	74	25	35	M10x1,25	5	M4	12	11	120	<10	2	c	10-12	1-1,5
532	85	22,5	50,5	3/8x24 UNF	6	2,3	8*	12	63	<20	1	s	8-10	-
533	79	30,5	35	M10x1,25	5	M4	12	11	120	<5	2	c	10-12	1-1,5
541	153,5	31	101	M10x1,25	4/3,5	M4	12	11	120	<5	2	c	10-12	1-1,5
542	150	24	105	M10x1,00	4	4	10	11	63	<5	2	c	10-12	-
597	69	19	34,5	M8x1,00	4,5	M4	10	11	123	<5	2	c	8-10	1-1,5
601	151	35	96	M10x1,00	4/3,3	M4	10	4,4	93	<5	2	c	10-12	1-1,5
602	130	27	81	M10x1,00	4/3,3	4	10	4,4	63	<5	2	c	10-12	-
603	163	26	116	M10x1,00	4/3,3	4	10	7	93	<5	2	c	10-12	-
604	97	28	48	M8x1,00	4	4	8	11	123	<5	2	c	8-10	-
610	132	26	85	M8x1,00	4/3,3	4	8	4,4	93	<5	2	c	8-10	-
614	114	28	63	M8x1,00	4/3,3	4	8	5	123	<5	2	c	8-10	-
620	170	31	117,5	M10x1,25	4/3,3	M4	10	11	93	<5	2	c	10-12	1-1,5
621	148	27	100	M8x1,00	4/3,3	4	8	7	93	<5	2	c	8-10	-
631	128	28	80	M8x1,00	4/3,3	4	9*	4,4	93	<5	2	c	8-10	-
632	156	35	100	M9x1,00	4/3,3	4	9*	4,4	93	<5	2	c	8-10	-
636	156	26	110	M10x1,25	4/3,3	4	10	4,4	119	<5	2	c	10-12	-
638	134	28	85	M8x1,00	4/3,3	4	8	4,4	93	<5	2	c	8-10	-
640	124	26	78	M8x1,00	4/3,3	4	10	7	93	<5	2	c	8-10	-
641	134	28	78	M10x1,00	4/3,3	4	10	7	63	<5	2	c	10-12	-
642	134	28	85	M8x1,00	4/3,3	4	8	7	93	<5	2	c	8-10	-
643	163	26	116	M10x1,00	4/3,3	4	10	4,5	93	<5	2	c	10-12	-
648	159	28	110	M10x1,25	-	4	10	11	93	<5	2	c	10-12	-
650	153	30	104	M10x1,25	4/3,3	M4	10	7	93	<5	2	c	10-12	1-1,5
651	100	30,5	47,5	M8x1,00	4	4	10	5	123	<5	2	c	8-10	1-1,5

9,5*: medida padrão é 10 (Sistema Internacional de Unidades), a medida opcional é 3/8 polegadas = 9,5mm (Sistema de unidades Anglo-saxão)
Medida padrão disponível (entrega imediata)



H	L1	L2		D1	D2		TERMINAL DE CONTATO	CAUDAL
	mm	mm						cm ³ /min
241	60	31	24	UNF 7/8x14	UNF 3/8x24	12	parafuso	3,5 - 5

VELAS DE AQUECIMENTO

EQUIVALÊNCIAS

H	BERU	BOSCH	NGK	DELPHI / ORIGINAIS	H	BERU	BOSCH	NGK	DELPHI / ORIGINAIS
110	GN 908	0 250 201 033	Y-902R	HDS 337	463	GN 035	0 250 212 006	Y-749J	HDS 397
112	GN 857	0 250 201 032	Y-918R	DS 002	495	-	-	Y-159	3T 8706
129	GN 927	0 250 202 033	Y-935U	71 735 460	497	-	-	Y-109	3T 9561
132	GN 027	0 250 202 032	Y-504J	HDS 367	505	GN 065	0 250 202 125	Y-531J	HDS 393
135	GV 783	0 250 202 040	Y-729U	DS 008	511	GN 070	0 250 202 124	Y-1007J	HDS 392
136	GN 012	-	Y-502R	HDS 375	514	GN 109	0 250 202 146	Y-519J	HDS 433
139	GN 858	0 250 201 055	Y-916J	HDS 352	528	GN 067	0 250 202 121	-	HDS 411
143	GN 003	0 250 202 142	Y-745U	HDS 377	529	GN 081	-	Y-709R	16241-6551-2
152	GN 007	0 250 202 023	Y-741U	HDS 361	532	-	-	-	3T 8705
158	GV 673	0 250 202 003	Y-1151I	HDS 232	533	-	-	Y-716RS	19077-6551-1
170	GN 955	-	-	36710-42021	541	GN 057	0 250 213 006	Y-508J	HDS 420
175	GN 005	0 250 202 089	Y-701J	HDS 394	542	GN 060	0 250 213 007	Y-536J	HDS 421
176	GV 705	0 250 202 007	Y-107R	HDS 241	597	GN 082	-	YE-01	16851-6551-0
180	GN 854	0 250 202 093	Y-712RS	HDS 358	601	GE 122	0 250 403 024	Y-1045AS	HDS 822
192	GV 921	0 250 202 094	Y-722JS	DS 004	602	GE 133	0 250 403 009	Y-1002AS	HDS 432
205	GV 968	0 250 212 010	Y-715R	HDS 262	603	CGP 007	0 250 603 002	-	HDS 829
223	-	0 250 202 090	Y-721RS	0K04S-18140A	604	GN 063	0 250 203 012	YE-08	LR 001302
231	GN 107	0 250 312 007	CY-07	HDS 391	610	GE 134	0 250 403 004	-	12 625 507
238	GN 024	0 250 212 013	Y-507J	HDS 372	614	GE 121A	0 250 404 001	Y-8001AS	5960 K6
241	GF 154	0 257 100 010	-	18 54 050	620	GN 121	0 250 523 004	CZ-251	1820 A009
246	GN 939	0 250 202 130	Y-548J	HDS 383	621	-	0 250 603 024	CZ-303	A 001 159 66 01
250	GN 026	0 250 202 128	Y-517J	HDS 396	631	GE 113	-	-	36710-3A000
305	GE 105	0 250 403 008	Y-8002AS	HDS 423	632	GE 114	0 250 403 011	Y-9003AS	55 200 755
315	GN 028	F 005 X12 951	Y-733J	MD 344469	636	GE 120	-	-	A 671 159 01 01
329	GN 055	0 250 202 038	Y-1031J	HDS 408	638	GE 123	0 250 403 001	Y-8008AS	86 538 8
332	GV 730	0 250 202 002	Y-739R	HDS 357	640	-	0 250 603 005	-	LR 013275
351	GN 053	0 250 203 003	Y-8003J	HDS 424	641	-	0 250 603 006	-	12 230 035 934
352	GN 037	0 250 203 009	Y-8005J	HDS 419	642	-	0 250 603 008	-	30 777 311
353	GN 045	0 250 203 004	YE-12	HDS 404	643	GE 124	0 250 403 022	Y-1010AS	11065-1749R
458	GV 004	0 250 202 126	-	DS 094	648	GN 123	F 01G 004 031	CZ-267	1820 A019
460	-	0 250 202 092	-	MD 301950	650	-	0 250 723 005	-	19850-11040
461	GN 071	-	Y-171	3T 9562	651	GE 131	0 250 404 002	-	LR 022300

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IMPRESSO EM 01/2020