



B-RHO

2024

LANÇAMENTO

LINHA SENSORES
TEMPERATURA EXTERNA

ACURA	BUICK	CITROEN (CONTINUAÇÃO)	FIAT	FORD WILLYS
INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES PRESSÃO DE ÓLEO	SENSORES DE PRESSÃO	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES LUZ DE FREIO
3382	3302	7753	341 · 344 · 372 · 377 · 383 · 384 385 · 393 · 399 · 402 · 411	350
AGRALE	SENSORES DE PRESSÃO	SENSORES ELETRÔNICOS AR CONDICIONADO	INTERRUPTORES DE EMBREAGEM	INTERRUPTORES PRESSÃO DE ÓLEO
INTERRUPTORES LUZ DE FREIO	7768 · 7775 · 7787	8806	342 · 449 · 453	3311
320	CADILLAC	INTERRUPTORES DE PRESSÃO DIREÇÃO HIDRÁULICA	SENSORES DIVERSOS	GM
INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES PRESSÃO DE ÓLEO	9905	2212	INTERRUPTORES LUZ DE FREIO
3304 · 3333 · 3337	3302	CNH	INTERRUPTORES PRESSÃO DE ÓLEO	323 · 339 · 340 · 345 · 347 · 371 · 376 387 · 398 · 404 · 411 · 415 · 432
INTERRUPTORES LUZ DE RÉ	SENSORES DE PRESSÃO	INTERRUPTORES LUZ DE FREIO	3345 · 3346 · 3347 · 3350 · 3356 3374 · 33101 · 33111	INTERRUPTORES DE EMBREAGEM
4438 · 4458 · 4464 · 44123	7768 · 7775 · 7787	314 · 331	INTERRUPTORES LUZ DE RÉ	322 · 335 · 430 · 435
INTERRUPTORES PNEUMÁTICOS	CAN-AM	SENSORES DE PRESSÃO	4429 · 4433 · 4434 · 4435 · 4436 4445 · 4451 · 4474 · 44114	SENSORES DIVERSOS
5522	INTERRUPTORES PRESSÃO DE ÓLEO	7732	SENSORES DE PRESSÃO	2203
INTERRUPTORES TRANSFERÊNCIA	33110	CUMMINS	7779	INTERRUPTORES PRESSÃO DE ÓLEO
6615 · 6624	CASE	INTERRUPTORES PRESSÃO DE ÓLEO	SENSORES ELETRÔNICOS AR CONDICIONADO	3302 · 3335 · 3355 · 3357 · 3360 3365 · 3374 · 3375 · 3378 · 3379 3380 · 3396 · 3397 · 3399 · 33112
SENSORES DE PRESSÃO	INTERRUPTORES PRESSÃO DE ÓLEO	3304 · 3306 · 3348 · 3393 · 33109	8805	INTERRUPTORES LUZ DE RÉ
7700 · 7729	3336 · 3341 · 3398 · 33115 · 33120	SENSORES DE PRESSÃO	INTERRUPTORES DIVERSOS	4437 · 4452 · 4458 · 4466 · 4470 4477 · 4478 · 4480 · 4495 · 44119 44120 · 44124
ALFA ROMEO	INTERRUPTORES PNEUMÁTICOS	7731 · 7743	1107	INTERRUPTORES TRANSFERÊNCIA
INTERRUPTORES LUZ DE FREIO	5522	DAEWOO	FIAT ALLIS	6637
384 · 399 · 411	CATERPILLAR	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES LUZ DE FREIO	SENSORES DE PRESSÃO
INTERRUPTORES DE EMBREAGEM	SENSORES DE PRESSÃO	376 · 432	314	7704 · 7717 · 7719 · 7751 · 7775 7776 · 7777 · 7787
342	7774 · 7782	DAF	INTERRUPTORES PRESSÃO DE ÓLEO	SENSORES ELETRÔNICOS AR CONDICIONADO
INTERRUPTORES PRESSÃO DE ÓLEO	CBT	SENSORES DIVERSOS	3394	8801 · 8802 · 8803
3367	INTERRUPTORES PRESSÃO DE ÓLEO	2205	SENSORES DE PRESSÃO	INTERRUPTORES DIVERSOS
INTERRUPTORES LUZ DE RÉ	3333	INTERRUPTORES LUZ DE RÉ	7700	1117
4474 · 44114	CHERY	4454	FORD	GMC
AUDI	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES TRANSFERÊNCIA	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES LUZ DE FREIO
INTERRUPTORES LUZ DE FREIO	429 · 439	6634	311 · 312 · 313 · 316 · 318 · 326 · 343 351 · 352 · 373 · 375 · 379 · 381 · 386 411 · 413 · 416 · 418 · 423 · 431	339 · 412
357 · 414	INTERRUPTORES PRESSÃO DE ÓLEO	SENSORES DE PRESSÃO	INTERRUPTORES DE EMBREAGEM	INTERRUPTORES DE EMBREAGEM
INTERRUPTORES DE EMBREAGEM	3359 · 3388	7732 · 7734 · 7740 · 7755	INTERRUPTORES PRESSÃO DE ÓLEO	335
408 · 440	INTERRUPTORES LUZ DE RÉ	DAIHATSU	3301 · 3304 · 3306 · 3321 · 3322 3323 · 3324 · 3328 · 3334 · 3340 3341 · 3343 · 3344 · 3348 · 3351 3369 · 3372 · 3373 · 3383 · 3393	INTERRUPTORES PRESSÃO DE ÓLEO
SENSORES DIVERSOS	4479 · 44102 · 44116 · 44117	INTERRUPTORES LUZ DE FREIO	3321 · 336 · 431 · 445 · 456	INTERRUPTORES LUZ DE RÉ
2202	CHEVROLET	332	321 · 336 · 431 · 445 · 456	4468 · 44101
INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES DE EMBREAGEM	INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES LUZ DE RÉ	SENSORES DE PRESSÃO
3358 · 3364 · 3371 · 3385 · 3387 33102 · 33103 · 33106 · 33114	335	3381 · 3383	4419 · 4422 · 4424 · 4453 · 4455 4457 · 4458 · 4461 · 4464 · 4465 4468 · 4469 · 4479 · 4487 · 4488 4489 · 4490 · 4491 · 4499 · 44105 44108	7768 · 7787
INTERRUPTORES LUZ DE RÉ	SENSORES DE PRESSÃO	INTERRUPTORES LUZ DE RÉ	INTERRUPTORES PNEUMÁTICOS	GURGEL
4439 · 4483 · 44122	7768	4473	5576 · 5585	INTERRUPTORES PRESSÃO DE ÓLEO
SENSORES DE PRESSÃO	CHRYSLER	DODGE	6615 · 6616 · 6629 · 6634 · 6642	3390
7759	INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES PRESSÃO DE ÓLEO	7700 · 7704 · 7707 · 7731 · 7732 7734 · 7743 · 7785	HONDA
SENSORES ELETRÔNICOS AR CONDICIONADO	3354 · 3388 · 33101	3304 · 3354 · 33101	INTERRUPTORES TRANSFERÊNCIA	INTERRUPTORES LUZ DE FREIO
8806 · 8807 · 9902	SENSORES DE PRESSÃO	SENSORES DE PRESSÃO	SENSORES DE PRESSÃO	324 · 334 · 402
INTERRUPTORES DE PRESSÃO DIREÇÃO HIDRÁULICA	7735 · 7779	7735	7700 · 7704 · 7707 · 7731 · 7732 7734 · 7743 · 7785	SENSORES DIVERSOS
9902	CITROEN	EATON	INTERRUPTORES DE PRESSÃO DIREÇÃO HIDRÁULICA	2207
INTERRUPTORES DIVERSOS	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES LUZ DE RÉ	9901 · 9904	INTERRUPTORES PRESSÃO DE ÓLEO
1114	319 · 341 · 359 · 363 · 384 · 402 411 · 441	4438 · 4457 · 4458 · 4459 · 4461 4464 · 4468 · 4469 · 44101 · 44103 44123	INTERRUPTORES DIVERSOS	3317 · 3380 · 3382 · 3384
BMW	INTERRUPTORES DE EMBREAGEM	INTERRUPTORES TRANSFERÊNCIA	INTERRUPTORES LUZ DE RÉ	4448
INTERRUPTORES PRESSÃO DE ÓLEO	342 · 448	6615 · 6616 · 6624 · 6629	4419 · 4422 · 4424 · 4453 · 4455 4457 · 4458 · 4461 · 4464 · 4465 4468 · 4469 · 4479 · 4487 · 4488 4489 · 4490 · 4491 · 4499 · 44105 44108	
3317	SENSORES DIVERSOS	EAGLE	INTERRUPTORES PRESSÃO DE ÓLEO	
SENSORES DE PRESSÃO	2210	INTERRUPTORES PRESSÃO DE ÓLEO	3354	
7753	INTERRUPTORES PRESSÃO DE ÓLEO	3307 · 3314 · 3334 · 3396	SENSORES DE PRESSÃO	
SENSORES ELETRÔNICOS AR CONDICIONADO	3307 · 3314 · 3334 · 3396	INTERRUPTORES LUZ DE RÉ	7735	
8809	INTERRUPTORES LUZ DE RÉ	4429 · 4430 · 4443 · 4445		

HONDA (CONTINUAÇÃO)	ISUZU	KIA (CONTINUAÇÃO)	MASSEY FERGUSON	MINI (CONTINUAÇÃO)
SENSORES DE PRESSÃO	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES LUZ DE RÉ	INTERRUPTORES PRESSÃO DE ÓLEO	SENSORES DE PRESSÃO
7738	412	4431 · 4463 · 44107 · 44109 44110 · 44112	3318 · 3363	7753
SENSORES ELETRÔNICOS AR CONDICIONADO	INTERRUPTORES PRESSÃO DE ÓLEO	SENSORES ELETRÔNICOS AR CONDICIONADO	MAXION	SENSORES ELETRÔNICOS AR CONDICIONADO
8808	3380		INTERRUPTORES PRESSÃO DE ÓLEO	8809
INTERRUPTORES DE PRESSÃO DIREÇÃO HIDRÁULICA	JAC MOTORS	8812	3312	MITSUBISHI
9909	INTERRUPTORES LUZ DE FREIO	KOMATSU	INTERRUPTORES DIVERSOS	INTERRUPTORES LUZ DE FREIO
HUMMER	405	SENSORES DE PRESSÃO	1107	324 · 332 · 334 · 396 · 410 · 411 441
INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES DE EMBREAGEM	7700	MAZDA	INTERRUPTORES DE EMBREAGEM
3302	422	LADA	INTERRUPTORES LUZ DE FREIO	446 · 454 · 455
SENSORES DE PRESSÃO	INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES LUZ DE FREIO	332 · 416 · 423	INTERRUPTORES PRESSÃO DE ÓLEO
7768 · 7775	3369	372	INTERRUPTORES PRESSÃO DE ÓLEO	3314 · 3380
HYSTER	INTERRUPTORES LUZ DE RÉ	INTERRUPTORES PRESSÃO DE ÓLEO	3381 · 3382 · 3383 · 3396	INTERRUPTORES LUZ DE RÉ
SENSORES DE PRESSÃO	44102	3344	MERCEDES - BENZ	4440 · 4446 · 4482 · 4486 · 4494 44102 · 44101
7750	JAGUAR	INTERRUPTORES LUZ DE RÉ	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES TRANSFERÊNCIA
HYUNDAI	INTERRUPTORES LUZ DE FREIO	4412	320 · 325 · 348 · 353 · 356 · 358 360 · 364 · 365 · 366 · 374 · 388 394 · 403 · 433 · 444	6639 · 6640 · 6641 · 6646 · 6649 6656 · 6658 · 6659 · 6660 · 6661 6664
INTERRUPTORES LUZ DE FREIO	INTERRUPTORES PRESSÃO DE ÓLEO	LANCIA	INTERRUPTORES DE EMBREAGEM	MWM
324 · 405 · 406 · 436	3334	INTERRUPTORES LUZ DE FREIO	452	INTERRUPTORES PRESSÃO DE ÓLEO
INTERRUPTORES DE EMBREAGEM	JCB CATERPILLAR	411	SENSORES DIVERSOS	3332 · 3339
434	INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES LUZ DE RÉ	2205	SENSORES DE PRESSÃO
SENSORES DIVERSOS	33113	4474 · 44114	INTERRUPTORES PRESSÃO DE ÓLEO	7716 · 7719 · 7726 · 7729 · 7732 7733
2204	JEEP	LAND ROVER	INTERRUPTORES LUZ DE RÉ	NEW HOLLAND
INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES LUZ DE FREIO	3333 · 3386 · 3390	INTERRUPTORES LUZ DE FREIO
3303 · 3381 · 3383 · 3384	411	INTERRUPTORES DE EMBREAGEM	4413 · 4414 · 4416 · 4417 · 4420 4421 · 4427 · 4432 · 4438 · 4441 4442 · 4449 · 4450 · 4454 · 4456 4457 · 4458 · 4472 · 4475 · 4481 4484 · 44103 · 44123	331
INTERRUPTORES LUZ DE RÉ	INTERRUPTORES PRESSÃO DE ÓLEO	431	INTERRUPTORES PNEUMÁTICOS	INTERRUPTORES PRESSÃO DE ÓLEO
4431 · 4485 · 44102 · 44109 · 44110 44112	3354 · 3374 · 33101 · 33111	INTERRUPTORES PRESSÃO DE ÓLEO	5500 · 5511 · 5522 · 5533 · 5544 5545 · 5555 · 5586 · 5588 · 5589 5590 · 5591 · 5595 · 5596	3309 · 3310 · 3333 · 3336 · 3340 33115 · 33120
SENSORES ELETRÔNICOS AR CONDICIONADO	SENSORES DE PRESSÃO	3317 · 3334 · 3362 · 3391 · 3396 33105 · 33107	INTERRUPTORES TRANSFERÊNCIA	NISSAN/INFINITI
8801 · 8802 · 8803	7735 · 7779 · 7780	INTERRUPTORES LUZ DE RÉ	6615 · 6616 · 6619 · 6620 · 6621 6625 · 6626 · 6628 · 6629 · 6632 6634 · 6635 · 6643 · 6644 · 6645 6654 · 6663	INTERRUPTORES LUZ DE FREIO
INTERNATIONAL	SENSORES ELETRÔNICOS AR CONDICIONADO	4493	INTERRUPTORES PRESSÃO	413 · 415 · 417 · 443 · 451 · 457
INTERRUPTORES LUZ DE RÉ	8805	INTERRUPTORES TRANSFERÊNCIA	6615 · 6616 · 6619 · 6620 · 6621 6625 · 6626 · 6628 · 6629 · 6632 6634 · 6635 · 6643 · 6644 · 6645 6654 · 6663	INTERRUPTORES DE EMBREAGEM
4458	J.I. CASE	6630	INTERRUPTORES TRANSFERÊNCIA	446 · 447
INTERRUPTORES TRANSFERÊNCIA	INTERRUPTORES PNEUMÁTICOS	SENSORES DE PRESSÃO	6615 · 6616 · 6619 · 6620 · 6621 6625 · 6626 · 6628 · 6629 · 6632 6634 · 6635 · 6643 · 6644 · 6645 6654 · 6663	INTERRUPTORES PRESSÃO DE ÓLEO
6616	5522	7785	SENSORES DE PRESSÃO	3305 · 3308 · 3316 · 3384 · 3396 3399 · 33108
IVECO	JOHN DEERE	LEXUS	7708 · 7712 · 7713 · 7714 · 7722 7723 · 7726 · 7727 · 7728 · 7729 7732 · 7734 · 7740 · 7744 · 7752 7757 · 7785	INTERRUPTORES LUZ DE RÉ
INTERRUPTORES LUZ DE FREIO	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES DIVERSOS	4440 · 4476 · 4497 · 4498 · 44100 44101
385 · 411 · 421 · 424 · 437 · 438 460 · 461	346	3382	1103 · 1105 · 1108	SENSORES ELETRÔNICOS AR CONDICIONADO
INTERRUPTORES DE EMBREAGEM	INTERRUPTORES PRESSÃO DE ÓLEO	LINCOLN	MERCURY	8810
420 · 450	3313 · 3330 · 3331	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES TRANSFERÊNCIA
INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES TRANSFERÊNCIA	416	416	6652 · 6653
3307 · 3342 · 3349	6647 · 6655	INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES PRESSÃO DE ÓLEO	OLDSMOBILE
INTERRUPTORES LUZ DE RÉ	SENSORES DE PRESSÃO	3301	3301	INTERRUPTORES LUZ DE FREIO
4438 · 4458 · 4459 · 44101 · 44106 44111	7766 · 7784	LS TRATORES	INTERRUPTORES PRESSÃO DE ÓLEO	335
INTERRUPTORES PNEUMÁTICOS	KIA	SENSORES DE PRESSÃO	3301	INTERRUPTORES PRESSÃO DE ÓLEO
5579 · 5581 · 5583	INTERRUPTORES LUZ DE FREIO	7770	MG	3302
INTERRUPTORES TRANSFERÊNCIA	324 · 332 · 392 · 405 · 406 · 436	MAN	INTERRUPTORES PRESSÃO DE ÓLEO	OPEL
6615 · 6616 · 6624 · 6634	INTERRUPTORES DE EMBREAGEM	INTERRUPTORES LUZ DE RÉ	3317	INTERRUPTORES LUZ DE FREIO
SENSORES DE PRESSÃO	434	4454	INTERRUPTORES PRESSÃO DE ÓLEO	345 · 396 · 402
7732 · 7734 · 7740 · 7755	SENSORES DIVERSOS	INTERRUPTORES TRANSFERÊNCIA	MINI	INTERRUPTORES DE EMBREAGEM
INTERRUPTORES DIVERSOS	2204	6616 · 6634	INTERRUPTORES PRESSÃO DE ÓLEO	446 · 447
1112	INTERRUPTORES PRESSÃO DE ÓLEO	SENSORES DE PRESSÃO	3396	
	3303 · 3380 · 3381	7732 · 7740 · 7758 · 7762 · 7764 7765		

OPEL (CONTINUAÇÃO)	RENAULT	SCANIA (CONTINUAÇÃO)	TOYOTA (CONTINUAÇÃO)	VW
INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES PNEUMÁTICOS	INTERRUPTORES LUZ DE RÉ	INTERRUPTORES LUZ DE FREIO
3317	354 · 355 · 396 · 397 · 409 · 413 · 428	5500 · 5556 · 5566 · 5578 · 5580	4415 · 4471 · 4473 · 4496	310 · 316 · 330 · 331 · 367 · 370 · 375 379 · 380 · 381 · 400 · 419
INTERRUPTORES LUZ DE RÉ	INTERRUPTORES DE EMBREAGEM	INTERRUPTORES TRANSFERÊNCIA	INTERRUPTORES TRANSFERÊNCIA	INTERRUPTORES DE EMBREAGEM
4440	442 · 446 · 447	6611 · 6612 · 6613 · 6616 · 6623 6627 · 6631 · 6632 · 6638	6614	321 · 357 · 408 · 440
PEUGEOT	SENSORES DIVERSOS	SENSORES DE PRESSÃO	SENSORES DE PRESSÃO	SENSORES DIVERSOS
INTERRUPTORES LUZ DE FREIO	2210	7701 · 7702 · 7703 · 7718 · 7721 · 7724 7739 · 7740 · 7741 · 7745 · 7755 · 7758	7704	2202
319 · 341 · 344 · 359 · 362 · 363 384 · 402 · 411 · 441	INTERRUPTORES PRESSÃO DE ÓLEO	SENSORES ELETRÔNICOS AR CONDICIONADO	TROLLER	INTERRUPTORES PRESSÃO DE ÓLEO
INTERRUPTORES DE EMBREAGEM	3305 · 3308 · 3315 · 3316 · 3361 3376 · 3389 · 33100	8813	INTERRUPTORES LUZ DE FREIO	3300 · 3304 · 3306 · 3307 · 3327 3339 · 3344 · 3348 · 3352 · 3358 3364 · 3369 · 3370 · 3371 · 3372 3373 · 3385 · 3387 · 3393 · 33102 33103 · 33106 · 33114
342 · 448	INTERRUPTORES LUZ DE RÉ	INTERRUPTORES DIVERSOS	3333	INTERRUPTORES LUZ DE RÉ
SENSORES DIVERSOS	4426 · 4440 · 4445 · 4476 · 44115	1101 · 1102 · 1103 · 1111	INTERRUPTORES PRESSÃO DE ÓLEO	3334
2210	INTERRUPTORES TRANSFERÊNCIA	SKODA	INTERRUPTORES LUZ DE RÉ	INTERRUPTORES LUZ DE RÉ
INTERRUPTORES PRESSÃO DE ÓLEO	6651	INTERRUPTORES PRESSÃO DE ÓLEO	44101 · 44108	4411 · 4422 · 4423 · 4424 · 4428 4438 · 4439 · 4444 · 4456 · 4458 4460 · 4464 · 4467 · 4468 · 4469 4479 · 4480 · 4488 · 4499 · 44113 44118 · 44122 · 44123
3307 · 3314 · 3334 · 3376 · 3395 3396	SENSORES DE PRESSÃO	33114	VALMET	INTERRUPTORES PNEUMÁTICOS
INTERRUPTORES LUZ DE RÉ	7736 · 7746	SEAT	INTERRUPTORES LUZ DE FREIO	5577 · 5587 · 5592 · 5593 · 5594
4429 · 4430 · 4443 · 4445	SENSORES ELETRÔNICOS AR CONDICIONADO	INTERRUPTORES LUZ DE FREIO	317 · 346 · 349	INTERRUPTORES TRANSFERÊNCIA
SENSORES DE PRESSÃO	8804	379 · 414	INTERRUPTORES PRESSÃO DE ÓLEO	6615 · 6616 · 6617 · 6619 · 6624 6628 · 6634 · 6636 · 6657
7753	INTERRUPTORES DE PRESSÃO DIREÇÃO HIDRÁULICA	INTERRUPTORES DE EMBREAGEM	3333 · 3392	SENSORES DE PRESSÃO
SENSORES ELETRÔNICOS AR CONDICIONADO	9903 · 9907	408	VALTRA	7700 · 7709 · 7729 · 7730 · 7731 7732 · 7733 · 7735 · 7743 · 7758 7759 · 7764 · 7765
8806	RENAULT TRUCKS	INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES PNEUMÁTICOS
INTERRUPTORES DE PRESSÃO DIREÇÃO HIDRÁULICA	INTERRUPTORES TRANSFERÊNCIA	3352 · 3369 · 3371 · 3372 · 3385 3387 · 33102 · 33114	349	5577 · 5587 · 5592 · 5593 · 5594
9903 · 9905 · 9906	6650 · 6651	INTERRUPTORES LUZ DE RÉ	INTERRUPTORES PRESSÃO DE ÓLEO	INTERRUPTORES TRANSFERÊNCIA
PERKINS	SENSORES DE PRESSÃO	4428 · 4439	3318 · 3332 · 3377 · 33118	6615 · 6616 · 6617 · 6619 · 6624 6628 · 6634 · 6636 · 6657
INTERRUPTORES PRESSÃO DE ÓLEO	7736 · 7737 · 7746	SMART	VOLARE	SENSORES DE PRESSÃO
33117	ROLLS-ROYCE	INTERRUPTORES DE EMBREAGEM	INTERRUPTORES LUZ DE RÉ	7700 · 7709 · 7729 · 7730 · 7731 7732 · 7733 · 7735 · 7743 · 7758 7759 · 7764 · 7765
PLYMOUTH	SENSORES ELETRÔNICOS AR CONDICIONADO	446	44101	SENSORES ELETRÔNICOS AR CONDICIONADO
INTERRUPTORES PRESSÃO DE ÓLEO	8809	INTERRUPTORES PRESSÃO DE ÓLEO	SENSORES DE PRESSÃO	8807
3354	SAAB	3314	7729	INTERRUPTORES DE PRESSÃO DIREÇÃO HIDRÁULICA
POCLAIN	INTERRUPTORES DE EMBREAGEM	SENSORES DE PRESSÃO	VOLVO	9901 · 9902
INTERRUPTORES PRESSÃO DE ÓLEO	335	7723	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES DIVERSOS
3341	INTERRUPTORES DE PRESSÃO	SSANGYONG	327 · 329 · 337 · 361 · 368 · 369 378 · 389 · 390 · 391 · 396 · 407 411 · 416 · 423 · 425 · 428	1106 · 1113 · 1114 · 1116
PONTIAC	7768	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES DE EMBREAGEM	WABCO
INTERRUPTORES DE EMBREAGEM	SATURN	405	431	INTERRUPTORES LUZ DE FREIO
335	INTERRUPTORES DE EMBREAGEM	SUBARU	SENSORES DIVERSOS	311 · 312 · 353
INTERRUPTORES PRESSÃO DE ÓLEO	335	INTERRUPTORES LUZ DE FREIO	2205 · 2211	SENSORES DE PRESSÃO
3302	INTERRUPTORES PRESSÃO DE ÓLEO	415	INTERRUPTORES PRESSÃO DE ÓLEO	7728 · 7739 · 7740 · 7741 · 7752 7755
SENSORES DE PRESSÃO	3302	SUZUKI	3326 · 3329 · 3366 · 3382 · 3389 3393	YALE
7768	SCANIA	332 · 402 · 415	INTERRUPTORES LUZ DE RÉ	SENSORES DE PRESSÃO
PORSCHE	INTERRUPTORES LUZ DE FREIO	INTERRUPTORES PRESSÃO DE ÓLEO	4414 · 4425 · 4440 · 4447 · 4449 4457 · 44102 · 44118	7750
INTERRUPTORES LUZ DE FREIO	328 · 382	3380	INTERRUPTORES PNEUMÁTICOS	INTERRUPTORES DIVERSOS
414	INTERRUPTORES DE EMBREAGEM	INTERRUPTORES LUZ DE RÉ	5500 · 5582 · 5584 · 5597 · 5598 5599	1104 · 315 · 3319 · 3320 · 3325 · 3338
INTERRUPTORES PRESSÃO DE ÓLEO	426	4443 · 4452 · 44121	INTERRUPTORES TRANSFERÊNCIA	
3358 · 3364 · 3385 · 33102 · 33103	SENSORES DIVERSOS	TAC	6616 · 6618 · 6622 · 6629 · 6633 6634 · 6648 · 6650 · 6651	
INTERRUPTORES LUZ DE RÉ	2206	INTERRUPTORES LUZ DE RÉ	SENSORES DE PRESSÃO	
4473	INTERRUPTORES PRESSÃO DE ÓLEO	44101	7705 · 7706 · 7710 · 7711 · 7715 7720 · 7725 · 7726 · 7729 · 7736 7737 · 7746 · 7748 · 7749 · 7754 7758 · 7760 · 7761 · 7769 · 7773 7785	
SENSORES ELETRÔNICOS AR CONDICIONADO	3353 · 3368	TOYOTA		
8807	INTERRUPTORES LUZ DE RÉ	INTERRUPTORES LUZ DE FREIO		
RAM	4418 · 4449 · 4454 · 4492 · 44104	332 · 395 · 402 · 427 · 441		
SENSORES DE PRESSÃO		INTERRUPTORES PRESSÃO DE ÓLEO		
7779		3333 · 3335 · 3380 · 3381 · 3382		



SENSORES DE TEMPERATURA EXTERNA

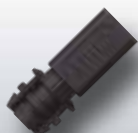
A 3-RHO apresenta sua nova linha de Sensores de Temperatura Externa. Fabricado com a reconhecida qualidade 3-RHO, estes dispositivos vêm ampliar nosso mix de produtos e agregar a confiabilidade da Marca aos sistemas de monitoramento do veículo.

São sensores aplicados no exterior do automóvel em pontos como para-choque dianteiro ou retrovisor. Sua função é medir em tempo real a temperatura no entorno do carro. A informação será visualizada no painel de instrumentos ou no multimídia.

São produzidos com alta tecnologia, materiais de primeira qualidade e processos com elevado grau de automação, condições que garantem os padrões de qualidade e constância característicos da Marca 3-RHO.



**APONTE A CÂMERA DO CELULAR
PARA MAIS INFORMAÇÕES SOBRE
OS PRODUTOS.**



2202



2203



2204



2205



2206



2207











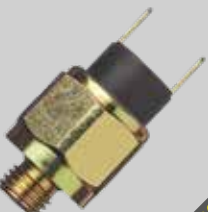












2210



2211



2212

456  2023	457  2023	460  2023	461  2023	3336  2023
33111  2023	33114  2023	33115  2023	33117  2023	33118  2023
33120  2023	44125  2023	44126  2023	44127  2023	5574  2023
5575  2023	6663  2023	6664  2023	7771  2023	7772  2023
7778  2023	7781  2023	7783  2023	7788  2023	7789  2023
7793  2023	2202  2024	2203  2024	2204  2024	2205  2024
2206  2024	2207  2024	2210  2024	2211  2024	2212  2024



A história da 3-RHO Interruptores Automotivos inicia em 1970 buscando oferecer ao mercado uma linha de interruptores e sensores de alta qualidade a preços atrativos. Sua estratégia teve como fundamento a alta tecnologia e agilidade no prazo de entrega, algo que a norteia até a atualidade.

Presentemente suas instalações localizam-se em Brusque, Santa Catarina, cidade altamente industrializada.

Os processos industriais da 3-RHO contam com maquinário moderno e alto grau de automação. Acontecem em um espaço higienizado, com mínima presença de resíduos e controle de todas as variáveis que incidem na otimização do ambiente de trabalho em benefício da equipe. Este conjunto harmônico permite à Empresa oferecer agilidade e rapidez às demandas contínuas, além da capacidade de desenvolver novos

produtos para um mercado cada vez mais exigente.

A 3-RHO ocupa a liderança no mercado interno e, no mercado internacional, apresenta expressivo volume de exportação, o que a coloca como melhor fabricante brasileira no segmento.

Há uma clara percepção de que os interruptores e sensores automotivos tendem a assumir papéis cada vez mais importantes em todos os sistemas que compreendem um veículo contemporâneo. Ciente disso a Empresa busca constantemente atualizar seu expertise de produção, parque industrial e setor de projetos.

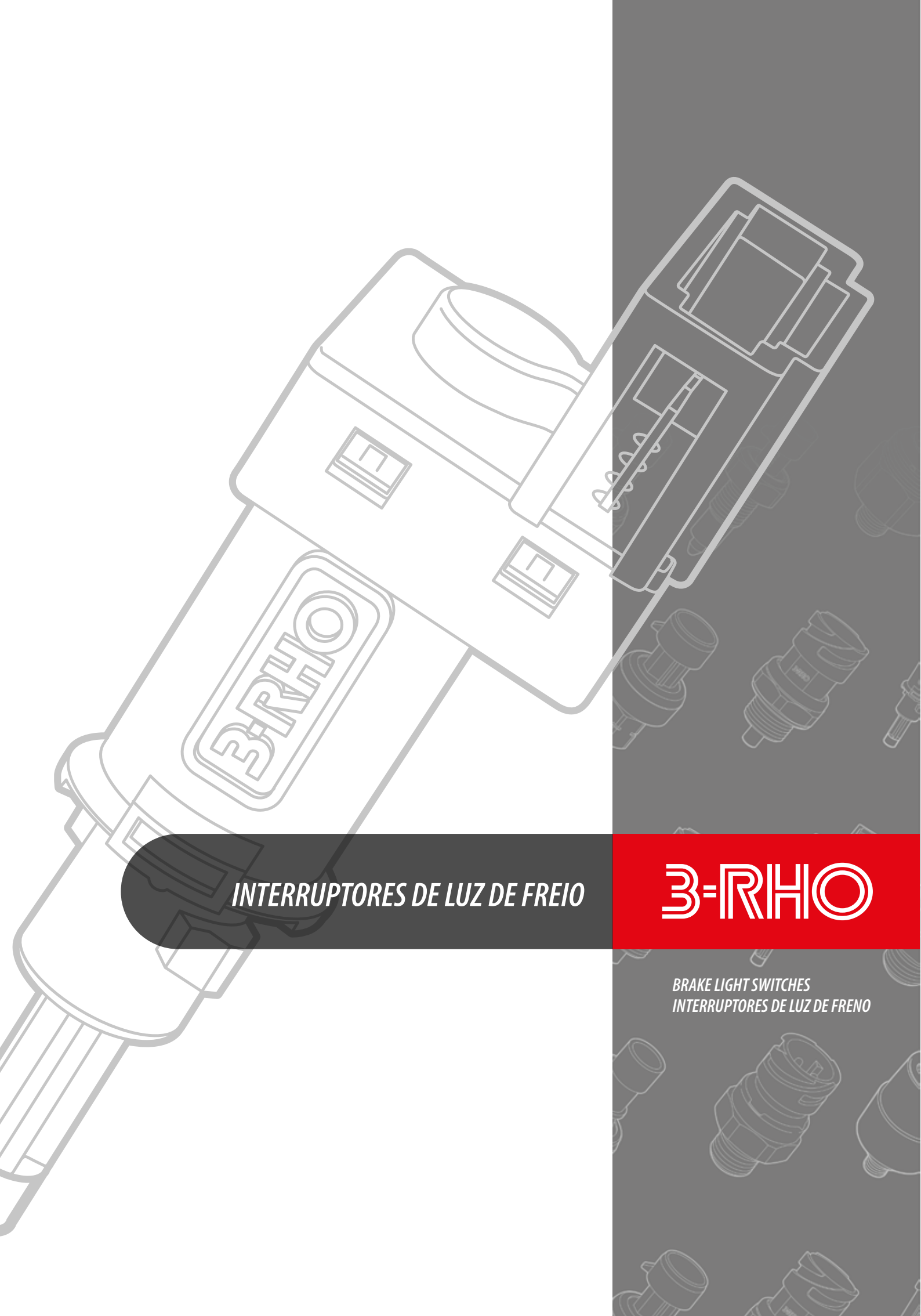
Em sua atuação, a 3-RHO é constante e confiável, tanto do ponto de vista de clientes quanto de fornecedores, sendo percebida como excelente parceiro comercial.

Nesse catálogo você encontra nossa linha de produtos.

ÍNDICE - LINHA DE PRODUTOS

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	INTERRUPTORES DE EMBREAGEM <i>CLUTCH PEDAL SWITCHES</i> <i>INTERRUPTORES PEDAL EMBRAGUE</i>	26		INTERRUPTORES DE TRANSFERÊNCIA <i>TRANSFER SWITCHES</i> <i>INTERRUPTORES DE TRANSFERENCIA</i>	77
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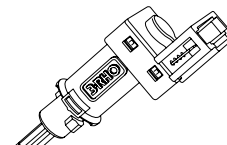
Atenção: Todo produto utilizado fora das especificações técnicas de nosso catálogo de produtos e outros meios de divulgação será de exclusiva responsabilidade do aplicador da peça.



INTERRUPTORES DE LUZ DE FREIO

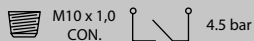
3-RHO

*BRAKE LIGHT SWITCHES
INTERRUPTORES DE LUZ DE FRENO*



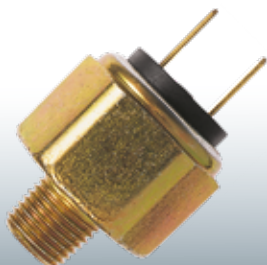
310

LINHA LEVE



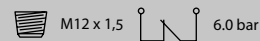
113.945.515.C - 113.945.515.H

VW: Brasília, Fusca, Gol, Kombi, Passat, Parati, Quantum, Santana, Saveiro, Voyage.



311

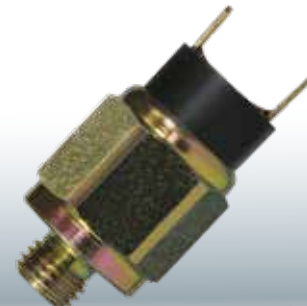
LINHA PESADA



96TU.18737.AA

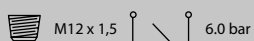
Ford: Cargo 714, 814, 815, 1417, 1421, 2425, 2426, 3222.

441.014.025.0
Wabco



312

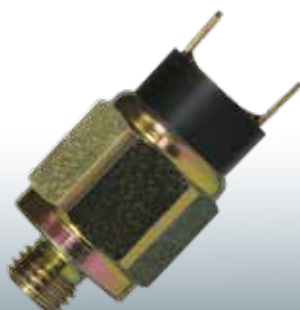
LINHA PESADA



441.014.022.0

Ford: Sistema de freio Wabco.

441.014.022.0
Wabco



313

LINHA PESADA



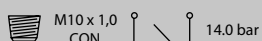
ESHT.13480.AA - 4C45.13480. AA

Ford: Cargo (após 1991).



314

LINHA PESADA

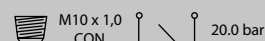


FG190.110.200 - 75.254.585 - 87.457.220
Fiat Allis



315

LINHA LEVE



Sonned: Sistema de lubrificação.



316

LINHA PESADA



XC45-2W067-CA

Ford: Freio motor. Caminhões.

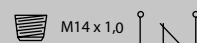
2RP.945.525

VW: Freio motor. Caminhões.



317

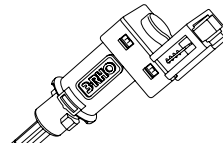
LINHA PESADA



190630

Valmet: Tratores.





318

LINHA LEVE



93BB.13480.BA - 93BB.13480.BB
93BB.13480.BC
Ford: Focus, Mondeo.



319

LINHA LEVE

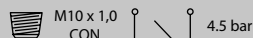


96.346.679.80
Citroen: Berlingo, Xsara.
4534.44
Peugeot: 206, 207, Partner.



320

LINHA PESADA



5063.002.018.00.7 - 6007.011.006.00.3
Agrale
A000.545.01.09 - A345.545.72.09
Mercedes-Benz: Terminais com contatos de prata.
Caminhões, ônibus.



323

LINHA LEVE

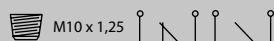


09175172 - 09175185
GM: Agile (2010 - 2014), Astra (2000 - 2012), Celta (2009 - 2016), Corsa Hatch (2009 - 2010), Corsa Pick-up (2009 - 2010), Corsa Sedan (2009 - 2017), Corsa Wagon (2009 - 2010), Montana (2011 - 2021), Prisma (2009 - 2012), Zafira (2002-2012).

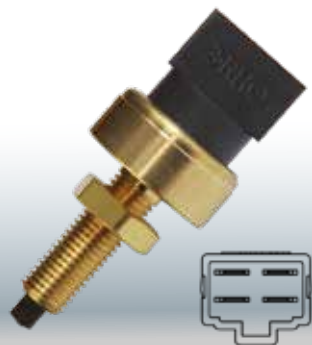


324

LINHA LEVE

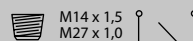


36750-SE0-003 - 36750-SE0-013
Honda: Accord (1986 -1998), Civic (1986-1994, com piloto automático), Prelude (1983-1996).
Hyundai: Elantra (1992-1995), Sonata (1990-1998).
Kia: Sorento (2003-2006).
CA540709 - MB487644 - MB487645 - MB596608
MR228924
Mitsubishi: 3000GT (1991-1999), Eclipse (1990-1998), Galant (1985-1998), Montero, Pajero, Pajero Sport Flex, L200 Sport, L200 Outdoor.



325

LINHA PESADA

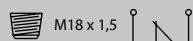


A664.545.85.14
Mercedes-Benz: Freio de mão.
Caminhões.



326

LINHA PESADA

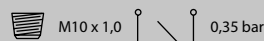


8C45.13480.AA - XC45.13480.BA
Ford: Cargo 712, 814, 815, 815-S, 915, 1217, 1317, 1317E, 1417, 1517, 1517E, 1617, 1621, 1622, 1630, 1717, 1717E, 1721, 1722, 1722E, 1731, 1832E, 1932, 2422, 2422E, 2622, 2622E, 2425, 2428, 2428E, 2626, 2628, 2630, 2631, 2632, 2632E, 2932E, 3132, 4030, 4031, 4432E, 4532E, 6332E.

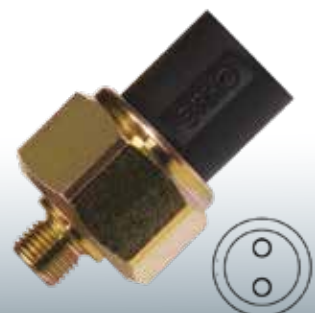


327

LINHA PESADA

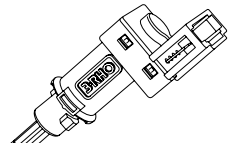


1136651
Volvo: Caminhões, ônibus.



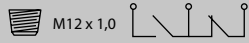
3-RHO INTERRUPTORES DE LUZ DE FREIO

BRAKE LIGHT SWITCHES / INTERRUPTORES DE LUZ DE FRENO

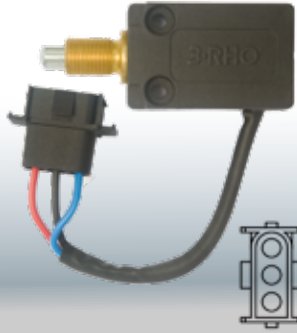


328

LINHA PESADA

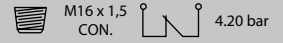


1369263
Scania: Série 4.

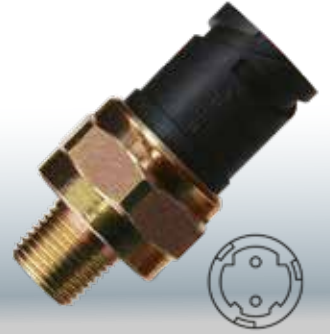


329

LINHA PESADA



20382507
Volvo: B12M, FH12.



330

LINHA LEVE

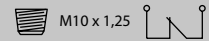


113.945.515.D - 113.945.515.1
VW: Brasília, Fusca, Gurgel BR800, Karmann Ghia, Kombi, Puma, SP2, TL, TC, Variant.

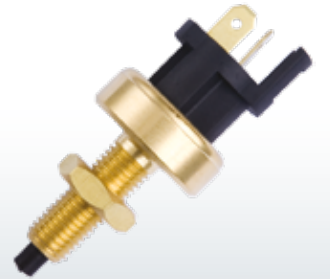


332

LINHA LEVE

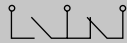


Daihatsu: Cuore, Move, Sirion, Terios, YRV.
0B001-66-490B - DX5066490 - KKY01-66-490 MDX50-66-490
Kia: Avella, Besta, Carens, Carnival, Clarus, K2500, K2700, Pregio, Pride, Retona, Rio, Sephia, Shuma, Sportage.
B00166490 - B00266490 - UH7166490
Mazda: 121, 323, 323 C, 323 F, 323 P, 323 S, 626, 929, B-série, BT-50, Demio, E-série, MPV, MX-3, MX-5, MX-6, Premacy, RX 7, Xedos 6.
MB435457- MB229024 - MR122560
Mitsubishi: L200 2.0 e 2.5D, Colt, Eclipse, Galant, Grandis, Lancer, Monteiro, Outlander, Pajero, Pajero Sport, Space Runner, Space Star, Starion, 3000 GT.
37740 60A00 - 37740 60D01
Suzuki: Sidekick, Swift, Vitara.
84340-01010 - 84340-28010 - 84340-30030
84340 32010 - 84340-32030
Toyota: Camry, Carina, Celica, Corolla, Hilux, 4 Runner, Land Cruiser, Previa, Starlet, Tercel.



331

LINHA PESADA

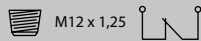


15.105.000 - 54C-12
CNH
New Holland: Colheitadeiras, tratores.
113.945.515.G
VW



333

LINHA LEVE



0101909
Troller: T4.



334

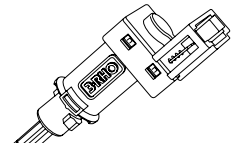
LINHA LEVE



33350-55A-J04 - 35350-55A-J01
35350-55A-J02 - 35350-SMA-003
Honda: Accord, Civic, CR-V, Fit.
MN103232 - MR141210 - MR228924
Mitsubishi: Eclipse, Galant, Lancer, Outlander, Pajero Full, Triton, TR4.

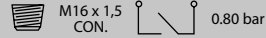


Atenção: Todo produto utilizado fora das especificações técnicas de nosso catálogo de produtos e outros meios de divulgação será de exclusiva responsabilidade do aplicador da peça.

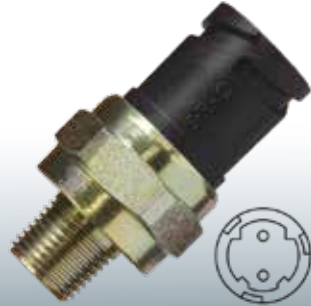


337

LINHA PESADA

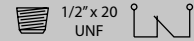


20382514
Volvo: B10M - EDC.



338

LINHA LEVE

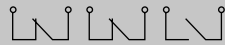


PRC 4297
Land Rover: Defender 90, 110.



339

LINHA LEVE

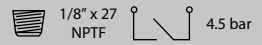


12450076 - 93801734
GM: Grand Blazer (1997 - 2002), Silverado.
GMC: 6-100, 6-150.



340

LINHA LEVE



1.997.725 - 94.624.834
GM: C10, C60, Veraneio.

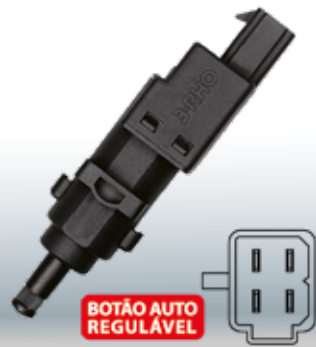


341

LINHA LEVE

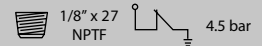


Citroen: Jumper 2.8 Turbo (2006 - 2009).
46840510 - 60669020
Fiat: Bravo (2011 - 2015), Doblo (após 2002), Ducato (2006 - 2017), Fiorino (após 2004), Grand Siena (após 2012), Idea (2006 - 2016), Linea (2009 - 2016), Palio (após 2001), Palio Weekend (após 2001), Punto (após 2008), Siena (após 2001), Stilo (2003 - 2011), Strada (após 2001), Uno (após 2004).
Peugeot: Boxer 2.8 Turbo (2006 - 2009).

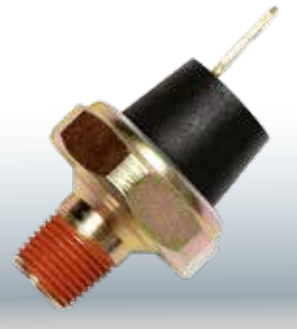


343

LINHA PESADA



E6HZ.2A574.A
Ford: Cargo (1991 - 1995).



344

LINHA LEVE

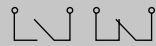


46742974 - 51713873
Fiat: Doblo (2002 - 2016), Ducato (2006 - 2017).
4534.49
Peugeot: Boxer 2.8.



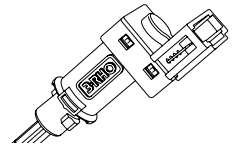
345

LINHA LEVE



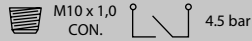
13.118.574 - 90.460.325 - 90.460.326
9132299 - 9149766
GM: Astra (2004 - 2011), Corsa (2002 - 2012), Meriva (2003 - 2012), Montana (2004 - 2011), Vectra (2006 - 2011).
62.40.058 - 62.40.157 - 62.40.233
Opel





346

LINHA PESADA

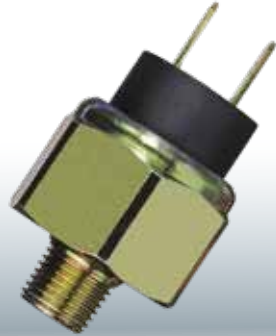


DQ09686

John Deere: Tratores.

711.9267

Valmet: Trator (após 1993).



347

LINHA LEVE



90.243.815 - 90.244.648

GM: Ipanema (1989 - 1998), Kadett (1989 - 1998).



348

LINHA LEVE



A.001.545.20.09 - A.001.545.20.09.1100

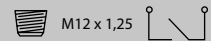
A.001.545.38.09 - A.001.545.87.09

Mercedes-Benz: Classe A, Classe B, Classe C, Classe M, Sprinter.



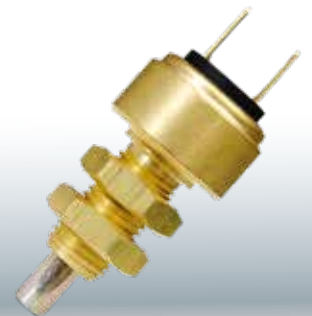
349

LINHA PESADA



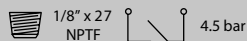
80442200 - 80542100 - 190630

Valtra/Valmet: 68, 78, 685, 785.



350

LINHA LEVE



17013

Ford Willys: Aero, Itamarati, Jipe, Rural.



351

LINHA PESADA



E0LY.13480.A - E9LY.13480.A - E0TB.13480.AA

E0TB.13480.BA - E0TZ.13480.B - E3TZ.13480.A

E3TZ.13480.B - E6LB.13480.AA - E9LB.13480.AA

Ford: F1000, F4000, Landau, Mustang.



352

LINHA PESADA



F87Z.13480.AA - F87B.13480.AB

Ford: Explorer (1992 - 2000), F250, F350, F4000, Ranger (1997 - 2012).



353

LINHA PESADA



A001.545.24.09

Mercedes-Benz:

Em alguns veículos também é aplicado na embreagem.

Caminhões Accelo 815, 915, 1016, 1316.

Actros 2045, 2535.

Atego 1315, 1418, 1518, 1718, 1719, 1725, 1728,

2425, 2428.

Axor 2041, 2533, 2535, 2641, 2644, 3340, 3344,

4140, 4144.

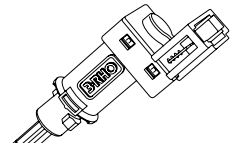
Ônibus 0500 (após 2012), OF1724 (após 2012),

OF1726.

884.503.760-35

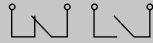
Wabco





354

LINHA LEVE



77.00.414.988

Renault: Clio, Kangoo, Laguna, Master, Megane, Scenic.



BOTÃO AUTO REGULÁVEL



355

LINHA LEVE



77.00.414.986

Renault: Master.



BOTÃO AUTO REGULÁVEL



356

LINHA PESADA



A001.545.07.09 - A634.545.00.09

Mercedes-Benz:

Em alguns veículos também é aplicado na embreagem.

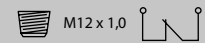
Caminhões 1318 (1906 - 2012), 1418 (1998 - 2006), 1418 (1998 - 2003), 1420 (1996 - 2005), 1723 (1996 - 2006), 1723 (1997 - 2001), 1935 (1996 - 1999), 1938 (1999 - 2005), 2638 (1999 - 2006), 2726 (2008 - 2012).

Ônibus 0500 (2008 - 2018), OH1421 (1998 - 2004), OF1726 (após 2023), OF1730 (2010 - 2012).



358

LINHA PESADA



A.696.545.00.09

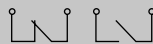
Mercedes-Benz: Caminhões: 710, 712E, 1214, 1218, 1614, 1618, 1620, 1718, 1723, 2414, 2418, 2428, 2423B, 2423K, L1218, L1218R, L1318, L1319, L1418, L1418R, L1614, L1618, L1620, L1621, L1622, L1623, L1634, L1929, L1935, L1938, L2635, L2638, LK1218, LK1218R, LK1318, LK1319, LK1418R, LK1614, LK1618, LK1620, LK1621, LK2635, LK2638, LS1621, LS1622, LS1625, LS1630, LS1632, LS1634, LS1929, LS1935, LS1938, LS2635, LS2638.

Ônibus: LO-712, LO-812, LO-814, O-371, O-400, O-500, OF-1721, OH-1318, OH-1418, OH-1421L, OH-1525, OH-1621L, Sprinter.



359

LINHA LEVE



16.064.804.80 - 4534.48 - 4534.63 - 4534.65

96.434.788.80 - 96.506.884.80 - 96.656.023.80

Citroen: C3, C4, C5, DS3, Xsara, Picasso, Berlingo.

16.064.804.80 - 4534.48 - 4534.63 - 4534.65

Peugeot: 206, 207, 208, 307, 308, 408, 607, 3008, 5008, Partner, RCZ.

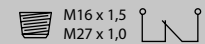


BOTÃO AUTO REGULÁVEL



360

LINHA PESADA



A 364.545.71.09

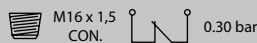
Mercedes-Benz: Freio de mão.

1313, 1513, 1924, 1929, 1930, 1932, 1933, 1934, 2213, 2314, 2318, 2414, 2418,



361

LINHA PESADA



3944592

Volvo: Piloto automático EDC.



362

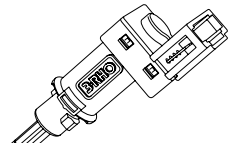
LINHA LEVE



4534.21 - 4534.51

Peugeot: 206.





363

LINHA LEVE



96.040.821

Citroen: Berlingo, Picasso, Xsara.

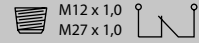
4534.11

Peugeot: 106, 205, 306, 405, 406.



364

LINHA PESADA



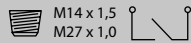
A364.545.73.09

Mercedes-Benz: Ônibus, 371 P, 371R, 371 RSD.



365

LINHA PESADA



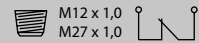
A384.545.70.14

Mercedes-Benz: Caminhões: 0400, 1214, 1418, 1618 (freio motor), ônibus.



366

LINHA PESADA



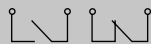
A000.545.49.09

Mercedes-Benz: Caminhões, 1924, 1929.



367

LINHA LEVE



1C0.945.511.ARDW - 1J0.945.511

1J0.945.511.A - 1J0.945.511.B

1J0.945.511.C - 1J0.945.511.D

1J0.945.511.E - 1J0.945.511.F

1J0.945.515 - 3B0.945.511.A

3B0.945.511.B - 3B0.945.511.C

6Q0.945.511 - 8Z0.945.511

VW: Bora (após 2001), Fox (após 2004), Gol (após 1994), Golf (após 2000), Jetta (após 2005), New Beetle (após 2000), Parati (após 1996), Polo (após 2003), Saveiro (após 1994), Spacefox (após 2006), Voyage (após 2009), up! .



BOTÃO AUTO REGULÁVEL



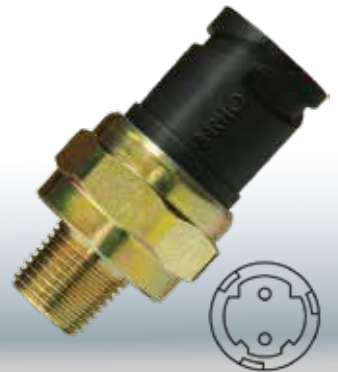
368

LINHA PESADA



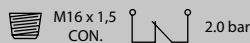
20382505 - 20382509

Volvo: Caminhões, ônibus.



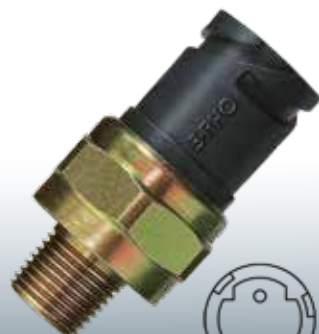
369

LINHA PESADA



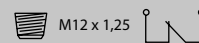
20382506

Volvo: Caminhões, ônibus.



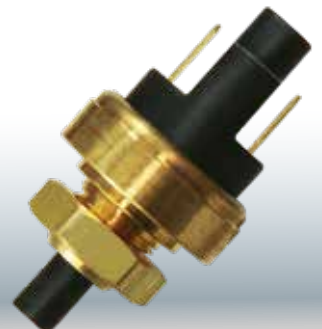
370

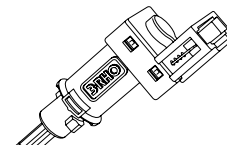
LINHA LEVE



ZBA.945.515.A

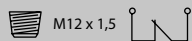
VW: Gol, Parati, Passat, Quantum, Santana, Saveiro, Voyage.





371

LINHA LEVE



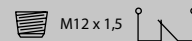
3458283 - 7323592 - 90059582

GM: Caravan (1969 - 1992), Chevette (1973 - 1994), Chevy 500 (1973 - 1994), Corsa (1994 - 2009), Marajó (1973 - 1994), Monza (1982 - 1996), Omega (1993 - 2004), Opala (1969 - 1992), Suprema (1993 - 1998), Tigra (1998 - 2000).



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LINHA LEVE



4.345.643

Fiat: 147, Elba, Fiorino, Furgão, Oggi, Panorama, Prêmio, Spazio, Uno.

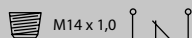
2101-37200000

Lada: Niva.



373

LINHA LEVE



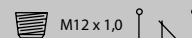
69.541

Ford: Corcel I e II, Belina I e II, Del Rey, Pampa, Scala, F100, F350, F1000, F4000 (até 1991).



374

LINHA PESADA



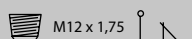
A308.545.70.09

Mercedes-Benz: Ônibus L608, L609.



375

LINHA LEVE



71BB.13480.AD

Ford: Escort, Verona.

VW: Apollo.



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LINHA LEVE



Daewoo: Espero.

90196375 - 90504499 - 93213041

GM: Astra (1995 - 1996, 1999 - 2009), Caravan (1990 - 1992), Celta (2001 - 2009), Corsa Hatch (2000 - 2012), Kadett (1989 - 1998, câmbio longo), Opala (1990 - 1992), Prisma (2007 - 2009), Vectra (1997 - 2005), Zafira (1999 - 2009).



BOTÃO AUTO REGULÁVEL

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LINHA LEVE



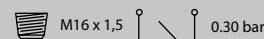
5.964.877

Fiat: Prêmio, Elba (com check control após 1986), Uno (1985 - 1989).



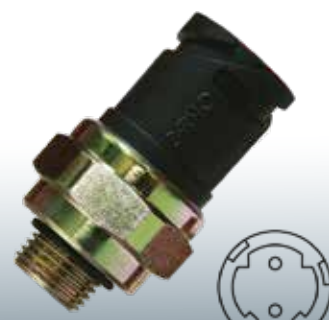
378

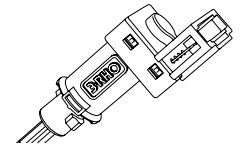
LINHA PESADA



20424051 - 3963471

Volvo: Caminhões FH, FL, FM, NH com motores série D9 e D12, ônibus.





379

LINHA LEVE



191.945.515

Ford: Royale, Versailles.

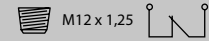
Seat: Cordoba, Ibiza.

VW: Gol, Golf, Parati, Polo Classic, Quantum, Santana.



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LINHA PESADA



T15.945.515

VW: 790 (1989 - 1994), 7.110 (1989 - 1994), 7.100 (1994 - 2000), 8.100 (1997 - 2000), 8.140 (1994 - 2000), 13.150 (1997 - 2001), 13.170 (2000 - 2006), 13.180 (2000 - 2006), 13.190 (2002 - 2005), 15.170 (2000 - 2001), 15.180 (2000 - 2006), 15.190 (2002 - 2005), 17.210 (2000 - 2006), 17.220 (2000 - 2006), 17.300 (2000 - 2002), 17.310 (2002 - 2006), 18.310 (2002 - 2006), 23.210 (2002 - 2006), 23.200 (2002 - 2006), 26.300 (2000 - 2003), 26.310 (2001 - 2006), 24.220 (1991 - 2000), 24.250 (1990 - 2003), 40.300 (1999 - 2001), L80 (1996 - 1997), 8.100 (1997 - 2000).

Worker

17.190 (2012 - 2019), 13.190 (2013 - 2019), 15.190 (2012 - 2019), 17.230 (2012 - 2019), 23.230 (2014 - 2019), 8.150 (2007 - 2012), 9.150 (2007 - 2012), 17.180 (2006 - 2012), 17.220 (2006 - 2012), 24.220 (2006 - 2012), 26.260 (2008 - 2012), 31.360 (2005 - 2012), 17.250 (2006 - 2019), 23.250 (2006 - 2019), 24.250 (2006 - 2019).

Micro ônibus

9.150 (2000 - 2004), 8.150 OD (2006 - 2012), 8.140 CO (2000 - 2000), 9.150 EOD (2004 - 2012), 8.150 EOD (2006 - 2012), 9.160 OD (2013 - 2018), 8.160 OD (2015 - 2021).

Ônibus

18.280 (após 2017), 17.280 (2014 - 2022), 18.330 (após 2012), 17.260 (após 2013), 18.320 (2006 - 2012), 17.240 (2001 - 2007), 18.310 (2003 - 2007), 17.260 (após 2013), 15.190 (após 2006), 17.230 (após 2006), 16.180 (1993 - 1998), 16.210 (1998 - 2001), 17.210 (1901 - 2006), 15.180 (2004 - 2008), 15.190 (após 2006), 17.210 (2001 - 2006), 15.190 (após 2006), 17.260 (após 2004).



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LINHA LEVE



3565.13480.AA - 82GB.13480.AA

Ford: Courier, Ecosport, Escort, Fiesta, Ka, Mondeo, Verona.

547.945.515A

VW: Apollo, Logus, Pointer.



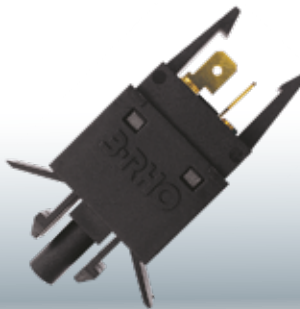
382

LINHA PESADA



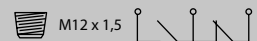
288.649

Scania: Caminhões, ônibus.



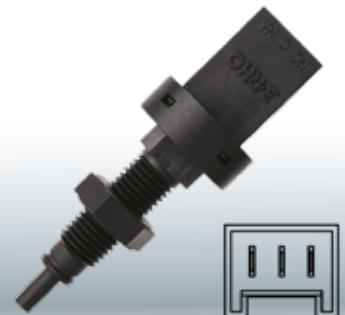
383

LINHA LEVE



7619028 - 7619084 - 82419960 - 82444120

Fiat: Elba 1.6 (1990 - 1996), Premio CSL 1.5 e 1.6 (1987 - 1994), Tempra (1992 - 1999), Uno 1.4 Turbo (1996 - 1996), 1.6i (1995 - 1996), 1.6iR (1993 - 1994), 1.6R (1990 - 1994), CSL 1.6 (1991 - 1993).



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LINHA LEVE



Alfa Romeo: 156, 156SW.

Citroen: Jumper.

46.433.243 - 46.519.703

Fiat: Brava (2000 - 2003), Ducato (1998 - 2005), Grand Siena (2012 +, embreagem), Idea (2006 - 2016), Marea (1999 - 2007), Marea Weekend (1999 - 2007), Palio (1996 - 2017), Palio Weekend (1996 +), Siena (1996 +), Strada (1996 +), Tipo 1.6 (1993 - 1997).

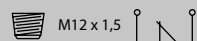
4534.29

Peugeot: Boxer 2.8.



385

LINHA LEVE



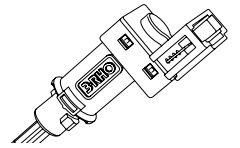
7.619.028

Fiat: Tempra (1992 - 1999).

4856030

Iveco: Daily 2.8 3510, 3513, 3813, 4012, 4013, 4910, 4912, 5013, 5912, 6012, 6013, 7012, 7013 (1997 - 2007).





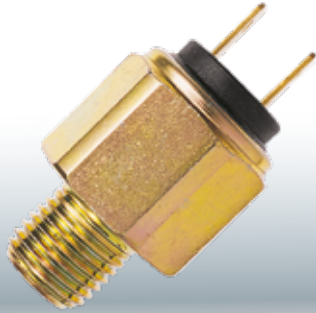
386

LINHA PESADA



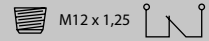
BD7T.13480.A - TIG.945.515

Ford: F7000, F9000 (após 1977), F12000, F14000.



387

LINHA LEVE



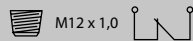
70.323.592

GM: Caravan, Opala.



388

LINHA PESADA



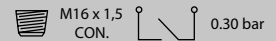
A688.545.71.09 - A693.545.73.09

Mercedes-Benz: 0400, 709, 1518, 1618, 1620, Sprinter.



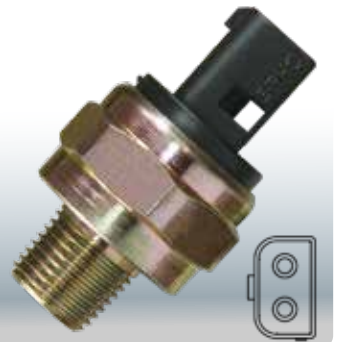
389

LINHA PESADA



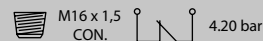
1087960 - 1622983

Volvo: Caminhões, ônibus.



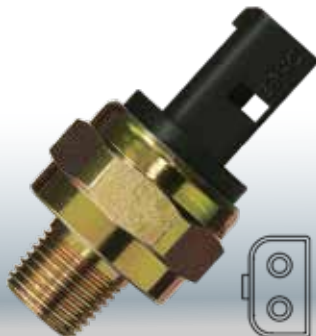
390

LINHA PESADA



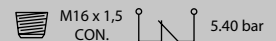
1087962

Volvo: Freio de serviço/carreta. Caminhões, ônibus.



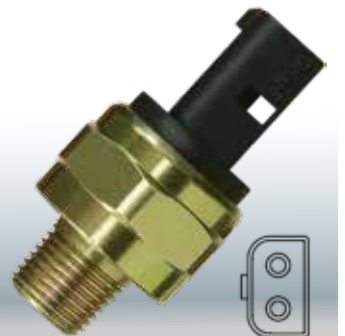
391

LINHA PESADA



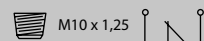
1087963

Volvo: Freio de estacionamento. Caminhões, ônibus.



392

LINHA LEVE



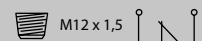
0B.001.664.90B

Kia: Besta.



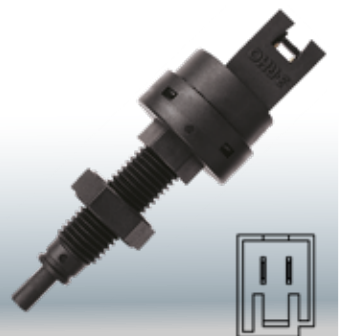
393

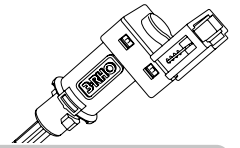
LINHA LEVE



8.283.048

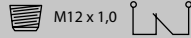
Fiat: Palio.





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LINHA PESADA

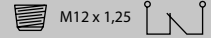


A.384.545.72.09 - A.693.545.71.09
Mercedes-Benz: Caminhões, L1218, L1418, L1721, ônibus.



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LINHA LEVE



84340-98002
Toyota: Bandeirante, Jipe, Pick-up.

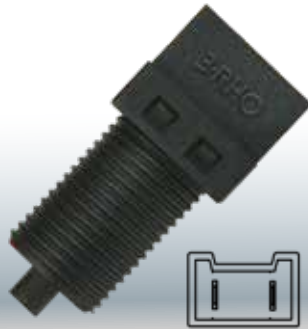


396

LINHA LEVE

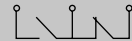


MB953385
Mitsubishi: Carisma, Space Star.
4405731
Opel: Arena.
7.700.785.258
Renault: 19, 21, Clio 1, Espace, Laguna, Rapid, Safrane, Trafic, Twingo.
30870941-9
Volvo: S40, V40.



397

LINHA LEVE



7.700.849.783 - 7.700.849.824
Renault: 19, 21.



398

LINHA LEVE

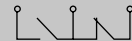


15.128.745 - 15.741.137
GM: Blazer, S10 (1995 - 2011).

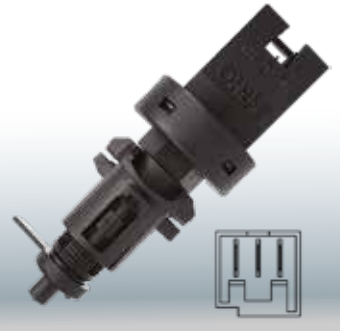


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LINHA LEVE



Alfa Romeo: 166.
7.627.401
Fiat: Coupe, Marea 2.4 (2001 - 2007), Marea Weekend (2001 - 2007), Palio 1.0 (1998 - 2002), Tempra SW (1992 - 1999), Tipo 2.0 (1993 - 1997).



400

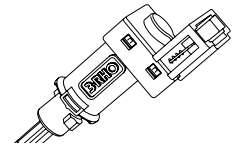
LINHA PESADA



<p>1C0.945.511 - 1C0.945.511 A.RDW 1J0.945.511 - 7L6.945.511 VW: Caminhões, ônibus, Delivery 4.150 (2018 - 2022), 4.160 (2018 - 2022), 5.140 (2005 - 2016), 5.150 (2012 - 2019), 6.160 (2018 - 2022), 6.170 (após 2023), 9.180 (após 2023), 9.170 (2018 - 2022), 10.160 (2012 - 2019), 11.180 (após 2017),</p>	<p>13.180 (2018 - 2022), Express (após 2017). E-Delivery 11.180 (após 2021), 14.180 (após 2021). Constellation 13.180 (2010 - 2012), 13.190 (2012 - 2018), 14.210 (após 2023), 15.180 (2006 - 2012), 17.190 (2012 - 2018), 17.210 (após 2023), 17.250 (2005 - 2014), 17.280 (2012 - 2020), 17.330 (2012 - 2018),</p>	<p>18.210 (após 2023), 18.320 (após 2023), 19.320 (2006 - 2012), 19.330 (2013 - 2019), 19.370 (2007 - 2012), 19.380 (após 2023), 24.250 (2005 - 2014), 24.280 (2011 - 2022), 24.330 (2011 - 2018), 25.320 (2008 - 2012), 25.370 (2008 - 2012), 25.380 (após 2023), 25.460 (após 2023), 25.480 (após 2023), 26.260 (2006 - 2013),</p>	<p>26.280 (2011 - 2016), 26.320 (após 2023), 27.260 (após 2023), 30.320 (após 2023), 31.260 (2005 - 2010), 31.280 (2012 - 2018), 31.320 (2007 - 2012), 31.320 (após 2007), 31.330 (2011 - 2018), 31.370 (2005 - 2016), 31.390 (2012 - 2019), 32.360 (após 2019), 32.380 (após 2023), 33.460 (após 2020), 33.480 (após 2023).</p>	<p>Micro ônibus 5.150 (2012 - 2022), 10.180 (após 2021).</p>
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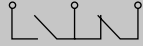


BOTÃO AUTO REGULÁVEL



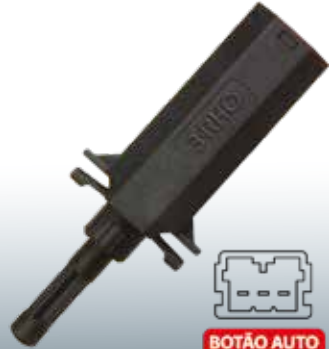
401

LINHA LEVE



XKB 100170

Land Rover: Discovery, Freelander.



BOTÃO AUTO REGULÁVEL

402

LINHA LEVE



4534.54

Citroen: C1.

71742588

Fiat: Sedici.

36750-SDA-A02 - 36750-SMA-003

36750-SMA-013 - 36750-SSA-J01

36750-SSA-J02

Honda: Accord, City, Civic, CRV, Fit.

47.10.280

Opel: Agila B.

4534.54

Peugeot: 107.

37740-73H10-000 - 37740-75H10-000

Suzuki: Carry, Grand Vitara, Ignis, Jimny, Kisashi, Liana, Splash, Swift, SX4, Vitara.

84340-09020 - 84340-09040 - 84340.19025

84340-49025 - 84340-49045 - 84340-69015

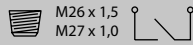
84340-69025

Toyota: Auris, Avensis, Camry, Celica, Corolla, Etios, Hiace, Hilux SW4, iQ, Land Cruiser, Picnic, Prévía, RAV 4, Tarago, Urban, Verso, Vios, Yaris.



403

LINHA PESADA



A000.545.71.08 - A384.540.00.01

Mercedes-Benz: Interruptor freio motor. Caminhões, ônibus.



404

LINHA LEVE



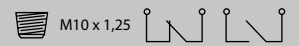
96628565

GM: Captiva (2008 - 2010).



405

LINHA LEVE



93810-38100 - 93810-38110 - 93810-1C800

93810-2H000 - 93810-3K000 -

Hyundai: Accent, Eqqus, Elantra, Genesis, I10, I20, I30, IX35, Santa Fé, Sonata, Tucson.

1635206U8014

Jac Motors: J3.

93810-1C800 - 93810-2H000 - 93810-3K000

93810-38100 - 93810-38110

Kia: Bongo, Carens, Carnival, Ceed, Cerato, Magentis, Mohave, Opirus, Optima, Picanto, Sorento, Soul, Sportage.

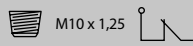
85710-08010

SsangYong: Actyon, Kyron, Rexton.



406

LINHA LEVE



93810-2E000 - 93810-38000

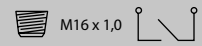
Hyundai: Accent Coupe, Elantra, Genesis, HR, Sonata, Tiburon, Tucson, I30, H100.

Kia: Bongo, Carnival, Cerato, Forte, Optima, Picanto, Rio, Soul, Spectra, Sportage.



407

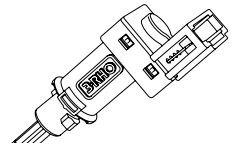
LINHA LEVE



3962939

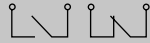
Volvo: Caminhões.





409

LINHA LEVE



253206170R - 8200168238 - 8200276361
Renault: Duster, Kwid, Logan, Master, Megane, Sandero, Scenic, Twingo.



410

LINHA LEVE



8614A018
Mitsubishi: Lancer, Outlander, Triton.



411

LINHA LEVE

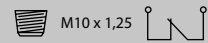


Alfa Romeo: 159, Giulietta, Mito, Spider.
50512681 - 50520116 - 52162684 - 53378929 53420393
Fiat: 500L, Argo, Bravo (2011 - 2016), Cronos, Ducato (após 2018), Grand Siena, Linea (2009 - 2016), Mobi, Palio (2012 +), Punto (2008 - 2017), Siena, Uno (2016 +), Toro.
1820183 - 6EST.96854.AA - 6W83.13480.AB 7EST.9G854.AA - 8T4T.9G854.AA - CS51.13480.AA
Ford: Ecosport, Fiesta, Focus, Fusion, F250, F350, F4000, Ka.
Iveco: Daily 35S14, 40S16, 45S14, 45S16, 55C16, 70C16, 70C17 HD (após 2008), Daily 30-130, CITY 35-150, 45-170, 55-170, 65-170, 70-170 (após 2019).
C2P.14525 - C2P.3763 - T2H 10001 - T2H 34820 T2H 8456 - T2R 2764
Jaguar: F-Pace, F-Type, I-Pace, Velar, XE, XF, XJ, XK.
K56038958AA - K56038958AC - K68073610AA K68349583AA
Jeep: Compass, Comander, Cherokee, Renegade.
Lancia: Delta, Ypsilon.
XKB.500030 - XKB.500110 - LR072647 LR091224
Land Rover: Discovery 3, Discovery 4, Range Rover Sport.
MR141211
Mitsubishi
16.086.812.80 - 4534.72
Peugeot/Citroen: Bipper, Boxer 3, Jumper 3, Nemo.
31264377
Volvo: C30, C70, S40, V40, V50, V60.

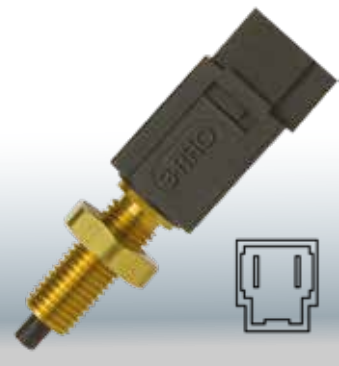


412

LINHA PESADA



97855187
GMC: Caminhões 5-90, GMC 7-110.
Isuzu: Caminhões NPR 66.



413

LINHA LEVE



Ford: Ecosport (a partir de 2013), Mustang.
Infiniti: FX.
25320.4M400 - 25320.4M40A
Nissan: Frontier, 350Z, Murano, Pathfinder, Primera, Qashqai, Tiida, X-Trail.
25.32.04M.400
Renault: Koleos.



414

LINHA LEVE



1K2.945.511 - 8Z0.945.511
Audi: A2, A3, A4, A6, A8, Allroad, Q7, R8, TT.
955.613.110.31 - 955.613.110.32 955.613.110.33
Porsche: Cayenne (2003 - 2010).
Seat: Alhambra, Cordoba, Inca, Leon, Toledo.



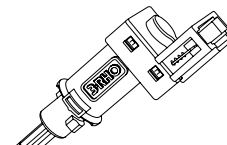
415

LINHA LEVE



93307732 - 93384308
GM: Tracker (2002 - 2009).
Infiniti: EX35, FX35, FX45, G35, G37, M35, M45, Q45, QX56.
25320-AX000 - 25320-AX008 - 25320-AX00B 25320-AX00C JA4496
Nissan: Altima, Frontier, GTR, Juke, Livina automático, Maxima, Murano, 350Z, Pathfinder, Rogue, Sentra automático, Tiida automático, X-Terra.
Subaru: BRZ, Crosstrek, Forester, Impreza, WRX, XV.
Suzuki: Vitara.





416

LINHA LEVE



3M5T.13480-AC - 3M5Z.13480-AB
3M5Z.13480.A - 3M5Z.13480-AA - 4832217

Ford: C-Max, Ecosport, Escape, Explorer, Fiesta, Focus, Freestyle, Fusion, Galaxy, Kuga, Mondeo, Mustang, S-Max, Taurus, Tourneo Connect, Transit.

C2S44974

Jaguar: X-Type.

BJ32-13480-AA - LR032956

Land Rover: Evoque, Freelander 2.

Lincoln: MKS.

BR1A66490

Mazda: 2, 3.

Mercury: Mariner, Montego, Monterey, Mountaineer, Sable.

30773935

Volvo: C30, C70, S40, S80, V50, V70, XC70.



417

LINHA LEVE



25320-BC60A - 25320-BC60B - 25320-BC60D
25320-JY00A

Nissan: Livina manual, March, Tiida manual, Versa.



418

LINHA PESADA



YC3T-13480-AA - YC3Z-13480-AA

Ford: F14000, F16000, F18000.



419

LINHA PESADA



TJG.945.517

VW: Caminhão Titan.



421

LINHA PESADA



500319244

Iveco: Daily.



423

LINHA LEVE



3M5T-9C872-AB - 3M5T-9C872-AC

AA6T-9C872-AA

Ford: Fiesta, Focus, Fusion, Mondeo, Mustang, Transit.

C2C18352 - C2S46706

Jaguar: S-Type, X-Type, XJ.

BR1A66470

Mazda: 2, 3.

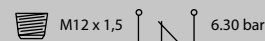
30773936

Volvo: S80, V70, X60, XC70.



424

LINHA PESADA

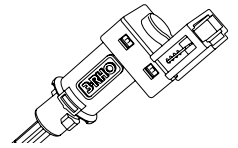


500320913

Iveco: Freio de mão.

Cursor, Daily, Eurocargo, Tector, Vertis.





425

LINHA PESADA

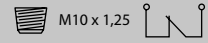


3198141- BZ-2RQ1725-D6
Volvo: FH, FM, NH.



427

LINHA LEVE



84340-02010
Toyota: Corolla (2002 - 2008), Hillux.

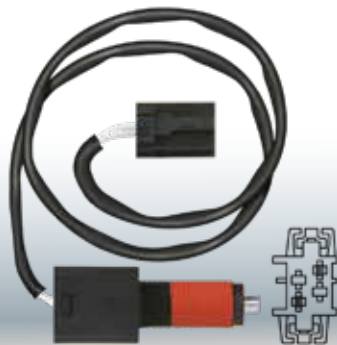


428

LINHA PESADA

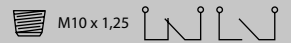


5010.271.977
Renault Trucks: Interruptor de freio motor.
Caminhões.
20494348
Volvo: Interruptor de freio motor.
FM.

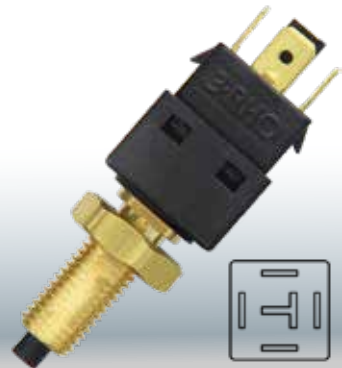


429

LINHA LEVE



A21-3720010
Chery: Celler, Cielo, Face, Tiggo.



432

LINHA LEVE

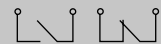


96436331 - 96440925 - 96552789 - 96874570
Daewoo: Evanda, Lacetti, Rezzo.
96436331 - 96440925 - 96552789 - 96874570
GM: Aveo, Epica, Kalos, Matiz, Nubira, Optra, Rezzo,
Spark, Tacuma.



433

LINHA LEVE



A001.545.01.09 - A000.545.77.09
A000.545.86.09- A000.545.99.09
Mercedes-Benz: Classe C (1993 - 2001), Classe
E (1995 - 2003), Classe G (após 1989), Classe S
(1991 - 1999).



436

LINHA LEVE



93810-35000
Hyundai: Accent, Azera, Elantra, HB20, Sonata,
Veloster, I30.
93810-35000
Kia: Cadenza, Optima, Picanto, Rio.



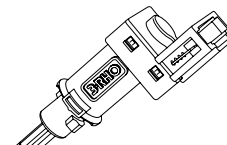
437

LINHA PESADA



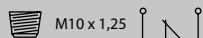
42532961 - 98447232
Iveco: Aplicado na válvula pedal Knorr 75BX.
Cursor 330 (2009 - 2011), Eurocargo 160E21,
160E23, 170E22, 170E24, 230E22, 230E24,
260E25 (1998 - 2012), Eurotech 370, 420, 440
(1997 - 2005), Eurotrakker 380, 420 (1997 -
2005), Stralis 380, 420 (2004 - 2007), Novo Stralis
380, 390, 410, 420, 460 (2008 - 2011), Novo
Stralis Ecoline 330, 360, 400, 440, 480, 560 (após
2012), Novo Stralis HI-WAY Ecoline 440, 480, 560
(após 2012), Trakker 380, 420 (2006 - 2007), Novo
Trakker 380, 420 (2008 - 2011), Tector 170E22,
170E25, 240E25 (2010 - 2011), Tector Ecoline
170E22, 170E28, 240E22, 240E28 (após 2012).





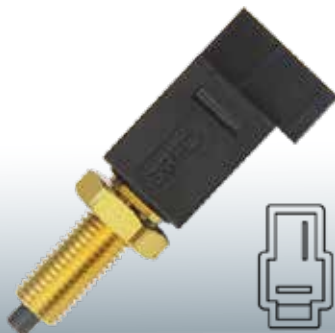
438

LINHA PESADA



5949890051

Iveco: Vertis 90V16, 90V18, 130V18, 130V19.



439

LINHA LEVE



511-3720030

Chery: QQ.



BOTÃO AUTO REGULÁVEL



441

LINHA LEVE



4534.68

Citroen: C-Crosser.

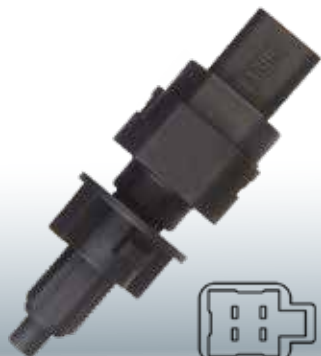
8614A111

Mitsubishi: ASX, Outlander.

Peugeot: 4007.

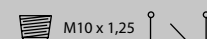
84340-69075

Toyota: Avensis, Camry, Corolla, Etios, Land Cruiser, Prius, RAV 4, Tarago, Verso, Vios, Yaris.



443

LINHA LEVE



25300-62J0E

Nissan: Piloto automático. Frontier.



444

LINHA LEVE



A001.545.44.09 - A001.545.67.09

A001.545.96.09

Mercedes-Benz: Classe A, Classe B, Classe E, CLS, Sprinter, Viano, Vito.

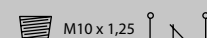


BOTÃO AUTO REGULÁVEL



451

LINHA LEVE



25320-75A0E

Nissan: Frontier (2005 - 2007).



457

LINHA LEVE



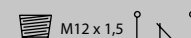
25300-3RA0A

Nissan: Sentra (2009 - 2019).



460

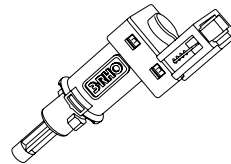
LINHA PESADA



04856030

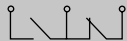
Iveco: Daily 2.8 3510, 3513, 3813, 4012, 4013, 4910, 4912, 5912, 5013, 6012, 7012, 6013, 7013 (1997 - 2007), Stralis Ecoline Euro 5 360, 440, 480, 560 (após 2012), Stralis Hi-Way 440, 480, 560 Ecoline Euro 5 (após 2012), Stralis Hi-Road 440, 480, 560 Ecoline Euro 5 (após 2012).





461

LINHA PESADA



42558908

Versão com uma chave de acionamento.

Aplicado na válvula pedal modelo DX60B

Iveco: EuroCargo/Attack Euro III (2006 - 2011), EuroTech (1997 - 2005), EuroTrakker (1997-2005), Cavallino (2007 - 2012), Cursor (2009-2012), Tector/Attack Euro III (2009 - 2012), Tector/Attack Euro V (após 2012), Vertis Euro III (2010 - 2012), Vertis Euro V (2013 - 2016).

Ônibus Ecoline Euro V (após 2012), Stralis HD Euro III (2006 - 2008), Novo Stralis Euro III (2009 - 2012), Novo Trakker Euro III (2009 - 2012), Novo Stralis Ecoline Euro V (após 2012), Novo Trakker Euro V (após 2012), Novo Stralis Hi-Way (após 2014).

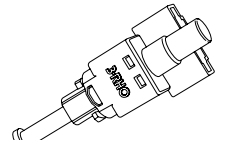




INTERRUPTORES DE EMBREAGEM

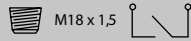
3-RHO

*CLUTCH PEDAL SWITCHES
INTERRUPTORES PEDAL EMBRAGUE*



321

LINHA PESADA



85HU.2W067.AA

Ford: Cargo. 712, 814, 815, 915, 1317E, 1517E, 1717E, 1722E, 2422E, 2428E, 2622E, 2628E, 2632E, 2932E, 4432E, 4532E, 5032E, 6332E.

T16.945.525

VW: Caminhões 8-140.



322

LINHA LEVE



90492444

GM: Corsa Hatch (2002 - 2012), Corsa Sedan (2002-2012), Zafira (2005 - 2012).



BOTÃO AUTO REGULÁVEL



335

LINHA LEVE



11505514 - 14094368 - 14094369

21021083 - 4814026 - D2214A

GM: Blazer (1996 - 2004), Corsa Wagon 1.6 (2000-2010), Corsa Pick-up 1.6 (2000 - 2010), S10 (1996-2004), Vectra (2006 - 2010).

GMC: S15 Jimmy, S15 Pickup, Sonoma, Syclone, Typhoon, Yukon.

Oldsmobile: Alero.

Pontiac: Firebird, Grand AM, Sunfire.

Saab: 9 - 3, 9 - 5.

Saturn: L Sedan, LS Sedan, LW Wagon, SC Coupe, SL Sedan, Vue.



336

LINHA LEVE



95FB-7C534-AA

Ford: Courier, Ecosport, Escort, Fiesta, Ka.



342

LINHA LEVE



46742976 - 46840511

Alfa Romeo: 147, 156, 159, Brera.

Citroen: Jumper.

46742976 - 46834703 - 46840511 - 606885431 60816500

Fiat: Bravo (2011 - 2016), Doblo (após 2002), Ducato (2006 - 2017), Linea (2009 - 2016), Palio 1.4 e 1.6 (2012 - 2017), Palio Weekend (após 2013), Punto (2008 - 2017), Stilo (2003 - 2011), Strada (após 2013).

4534.38

Peugeot: Boxer.



BOTÃO AUTO REGULÁVEL



357

LINHA LEVE



Audi: A3.

1J0.927.189 - 7H0.927.189

VW: Gol (após 1994), Parati (após 1996), Saveiro (após 1994), Voyage (após 2009).



BOTÃO AUTO REGULÁVEL



408

LINHA LEVE



Audi: A3, A4, A6, Allroad, TT.

Seat: Alhambra, Altea, Arosa, Cordoba, Exeo, Ibiza, Leon, Toledo.

1J0.927.189 - 1J0.927.189.E - 1J0.927.189.F 6Q0.927.189 - 7H0.927.189 - 8E0.927.189.B

VW: Amarok (após 2010), Bora (após 2001), Fox (após 2004), Golf (após 2000), Jetta (após 2005), New Beetle (após 2006), Polo (após 2003), Spacefox (após 2006), up! (após 2014).



BOTÃO AUTO REGULÁVEL



420

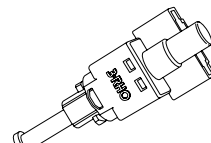
LINHA PESADA



500365771

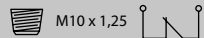
Iveco: Daily.





422

LINHA LEVE



1635110U2030
Jac Motors: J2, J3.

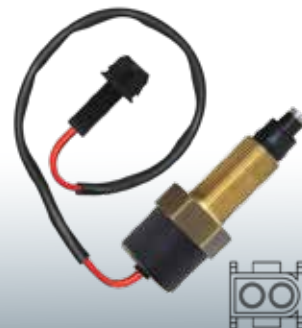


426

LINHA PESADA



1360842
Scania: Caminhões série 4.
Ônibus K94, K114, K124, L94.



430

LINHA LEVE



96628564
GM: Pedal de embreagem.
Cobalt, Ônix, Prisma, Sonic, Spin, Tracker.



431

LINHA LEVE

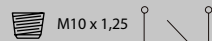


3M5Z.11A152.A - 3M5T.11A152.AB
6G9T.11A152.AA
Ford: Ecosport (a partir de 2013), Focus, Ka (após 2014), Ka+ (sedan), Kuga, Mondeo, New Fiesta, Embreagem (segurança da partida), Transit, Ranger.
LR003563
Land Rover: Evoque, Freelander 2.
30773748
Volvo: S60, S80, V60, V70, XC60, XC70.

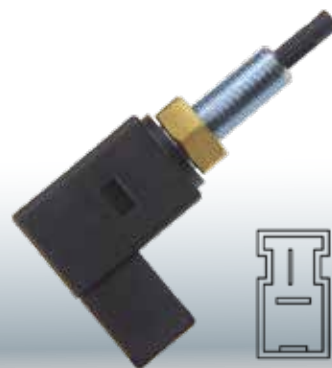


434

LINHA LEVE



93840-3K000
Hyundai: Accent, Elantra, I10, I20, I30, I40, Ix35, Matrix, Santa Fé, Solaris, Sonata, Tucson, Veloster.
Kia: Ceed, Cerato, Forte, Optima, Rio, Sorento, Soul, Sportage.



435

LINHA LEVE



15027967
GM: Blazer 4x4 diesel 2.8 (2000 - 2011), S10 4x4 Diesel 2.8 (2000 - 2011).



440

LINHA LEVE



1H0.927.189.D
Audi: A2, A3, TT.
1H0.927.189.D
VW: Golf IV 1.6 e 1.8T, New Beetle.



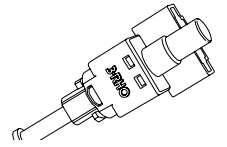
442

LINHA LEVE



8200168240
Renault: Clio, Grand Tour, Fluence, Laguna, Megane, Scénic, Twingo.





445

LINHA LEVE



4M5T.7C534.AA

Ford: Focus (a partir de 2008), New Fiesta.



446

LINHA LEVE



8614A108 - MR-977585

Mitsubishi

25320-00QAC - 25320-00QAD

Nissan

4408512

Opel

7700431512 - 7700434561 - 8200110894

8200110895

Renault: Master 2.5, 2.8.

4545450314

Smart



BOTÃO AUTO REGULÁVEL

447

LINHA LEVE



25320-00Q0B

Nissan: NV400 (após 2011).

4419589

Opel: Movano B (após 2010).

25.32.551.92R - 8200.276.359

Renault: Captur, Duster, Kwid, Laguna (após 2001), Logan, Megane (após 1996), Oroch, Sandero.



BOTÃO AUTO REGULÁVEL

448

LINHA LEVE



218920 - 218924 - 9652843480 - 9663928380

Citroen: Aircross (após 2012), Berlingo 1.6 16V, C3 (após 2009), C4 (2008 - 2013), C4 Lounge 1.6 16V, C4 Picasso 1.6 16V, C5 1.6 16V, DS3 1.6 16V, Picasso (2009 - 2012).

Peugeot: 207 (2007 - 2012), 208 (após 2012), 307 (2006 - 2011), 308 (após 2012), 408 (após 2012), 3008 (após 2014).



449

LINHA LEVE



46784314

Fiat: Palio, Siena, Strada.



450

LINHA PESADA



5949890052

Iveco: Vertis Euro III (2010 - 2012), Vertis Euro V (2013 - 2016), Vertis (90V16, 90V18, 130V19).



452

LINHA LEVE



A006.545.10.14

Mercedes-Benz: Sprinter 311, 415, 515.



453

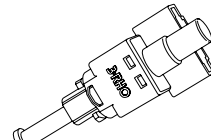
LINHA LEVE



68345587AA

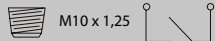
Fiat: Fiorino (após 2011), Uno (após 2011).





454

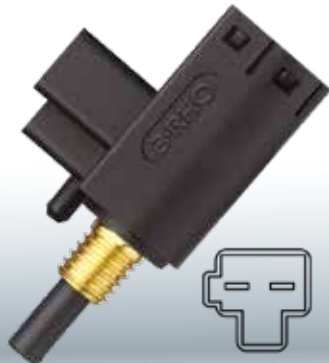
LINHA LEVE



M10 x 1,25

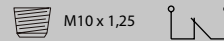
8606A002

Mitsubishi: ASX (2010 - 2015), Eclipse Cross (após 2017), L200 (após 2014), Lancer (após 2009), Mirage (após 2012), Outlander III (após 2012), Pajero Sport (após 2015).



455

LINHA LEVE



M10 x 1,25

CA541243

Mitsubishi: L200 Triton 2.4 (2013 - 2017), Pajero Dakar.



456

LINHA LEVE



1G3Z.11A152.AA - 1G3Z.11A15Z.AA
1L5Z.11A152.AA - 3L5Z.11A152.AA
6L5Z.11A152.AA - E8TZ.11A152.A
F57B.11A152.AA - F57Z.11A152.A
F5TB.11A152.AA - F81Z11A152BA
F81Z.11A152.BB - F81Z.11A528.A
F87Z.11A152.AA - F87Z.11A152.AB
ZZL0.67850 - ZL0.67850.A
ZZL0.67850.B - 88923340
88923620

Ford: Aerostar (1988 - 1994), Bronco (1988 - 1996), Bronco II (1988 - 1990), Explorer (1991 - 2001), Explorer Sport (2001 - 2003), F-150 (1988 - 1997), F-250 (1988 - 1997), F-250 Super Duty (1999 - 2010), F-350 (1988 - 1997), F-350 Super Duty (1999 - 2010), F-450 Super Duty (1999 - 2010), F-550 Super Duty (1999 - 2010), F-650 (2000 - 2010), F-750 (2000 - 2010), Ranger (1990 - 2012), Thunderbird (1989 - 1995).

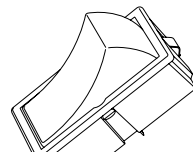




INTERRUPTORES DIVERSOS

3-RHO

*DIVERS SWITCHES
INTERRUPTORES OTROS*



1101

LINHA PESADA

Interruptor da alavanca do câmbio
1377386
Scania: Caminhões, ônibus (série 3 e 4).



1102

LINHA PESADA



Interruptor da alavanca do câmbio
0.234.387
Scania: Caminhões 111, 112, 113.



1103

LINHA PESADA

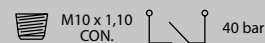


Interruptor da luz da porta
A688.821.7152
Mercedes-Benz: Caminhões (após 1989).
03116379
Scania: Caminhões 111, 112, 113.



1104

LINHA INDUSTRIAL



Interruptor do sistema de lubrificação Industrial



1105

LINHA PESADA



Interruptor da luz cortesia porta
A696.821.01.52
Mercedes-Benz: Caminhões.



1106

LINHA LEVE



Interruptor da luz do freio de mão
5U0.947.561.B
VW: Gol, Parati, Saveiro.



1107

LINHA LEVE



Interruptor da luz do freio de mão
Fiat: Palio, Uno.
131861
Maxion



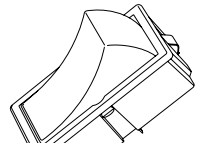
1108

LINHA PESADA



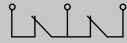
Interruptor de porta
A008.820.23.10
Mercedes-Benz: Diversos.





1111

LINHA PESADA



Interruptor de porta
1396644 - 1904343
Scania: 3 terminais.

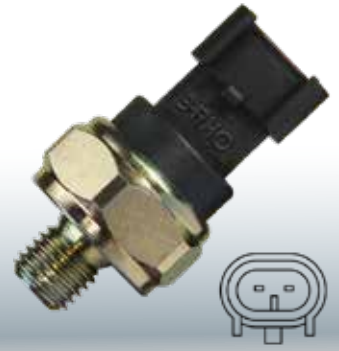


1112

LINHA PESADA



69502214
Iveco: Daily (aplicado no reservatório de água do radiador). Daily 3.0 Euro 3 35S14, 35S14 HD, 40S16, 45S14, 45S16, 55C16, 70C16 (2008 - 2011), Daily 2.3 Euro 5 30S13 City (após 2018), Daily 2.3 Euro 5 30-130 City (após 2018), Daily 3.0 Euro 5 35S14, 35S14 HD, 40S14, 45S17, 50C17, 55C17, 70C17 (após 2012), Daily 3.0 Euro 5 35-150, 45-170, 55-170, 65-170, 70-170 (após 2019).



1113

LINHA PESADA



Interruptor de abertura da cabine
2RD.941.555.A
VW: Caminhões.
BC45.11523.BA
Ford: Cargo médio/pesado (2011 - 2019), 1317, 1319, 1517, 1519, 1717, 1719, 1722, 1723, 1932, 1933, 2422, 2423, 2428, 2429, 2622, 2623, 2628, 2629.



1114

LINHA LEVE



Interruptor da luz do freio de mão e do porta luvas
1J0.947.561C
Audi: A3.
VW: EOS, Golf, Fox, Jetta, New Beetle, Phaeton, Polo, Tiguan, Touareg, up!.



1116

LINHA LEVE



Interruptor do capô
191953236
VW: Crossfox, Fox, Gol, Parati, Saveiro, Santana, Spacefox, Voyage.



1117

LINHA LEVE



Interruptor do capô
90355463
GM: Agile, Astra, Blazer, Celta, Corsa, Montana, Omega, Prisma, S10, Silverado, Spin, Tigra, Vectra, Zafira.

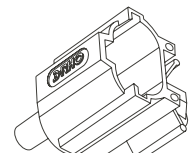


LANÇAMENTO
2024
LANÇAMENTO

SENSORES DIVERSOS

3=RHO

*DIVER SENSORS
SENSORES OTROS*



2202

LINHA LEVE

Sensor de temperatura externa

6RD.820.535 - 820.820.535 - 820.820.535B

Audi: A1 (após 2011), A2 (2000 - 2005), A3 (2001 - 2013), A4 (após 1999), A5 (após 2010), A6 (após 1998), A7 (após 2011), A8 (após 2004), Q3 (após 2008), Q5 (após 2009), Q7 (após 2007), TT (após 2007), R8 (após 2008).

6RD.820.535 - 820.820.535 - 820.820.535B

VW: Amarok (após 2010), Bora (2005 - 2010), CC (2012 - 2017), Fox (após 2015), Fusca (2012 - 2016), Gol (após 2017), Golf (2018 - 2021), Jetta (após 2005), Nivus (após 2021), Passat (após 2001), Polo (após 2018), Saveiro (após 2017), Spacefox (após 2015), T-Cross (após 2020), Taos (após 2021), Tiguan (após 2008), Touareg (após 2011), up! (após 2014), Virtus (após 2018), Voyage (após 2017).



2203

LINHA LEVE

Sensor de temperatura externa

25775833

GM: Camaro (após 2011), Cobalt (após 2011), Malibu (2010 - 2013), Onix (após 2013), Prisma (após 2013), Sonic (2012 - 2014), Spin (após 2013), S10 (após 2012), Tracker (após 2014), Trailblazer (após 2013).



2204

LINHA LEVE

Sensor de temperatura externa

96985-3X000

Hyundai: Azera (2012 - 2015), Accent (2006 - 2011), Creta, Elantra (2012 - 2018), HB20, I30, IX35, Santa Fé (2007 - 2018), Sonata (2013 - 2014), Tucson (2010 - 2015), Vera Cruz (2007 - 2012).

96985-3X000

Kia: Cadenza (2014 - 2015), Carnival, Cerato, Optima (2012 - 2015), Picanto, Sorento (2014 - 2018), Soul (2012 - 2016), Sportage.



2205

LINHA PESADA

Sensor de temperatura externa

1366301

Daf: 65 CF, 75 CF, 85 CF, CF 65, CF 75, CF 85, LF 45, LF 55, XF 95, XF 105.

A011.542.9617

Mercedes-Benz: Caminhões: 1634 LS (2012), 1938 LS (2000 - 2005), 1938 S (2000 - 2006), 2423 (2008), 2726 (2012), L 1318 (2012).

Accelo 815 (2012 - 2020), 915 C (2006 - 2011), 1016 C (2012 - 2020), 1316 L (2016 - 2020).

Atego 1418 (2006 - 2011), 1419 (2014 - 2020), 1518 (2005 - 2010), 1718 (2012), 1719 (2013 - 2017), 2425 (2006 - 2017), 2430 (2015 - 2018), 2730 (2017), 3030 (2019).

Atron 1319 (2013 - 2016), 1635 S (2013 - 2020), 1719 (2013 - 2016), 2324 (2012 - 2016), 2729 (2012 - 2015), 2729 B (2012 - 2016), 2729 K (2012 - 2015).

Axor 1933 (2005 - 2007), 2540 S (2006 - 2009), 2544 LS (2013 - 2014), 2544 S (2010 - 2019), 2644 LS (2013 - 2015), 2644 S (2012), 2831 (2012), 3344 (2016), 3344 (2017 - 2020).

Ônibus: O-500M (2012 - 2014), O-500MA (2011 - 2016), O-500R (2011 - 2020), O-500RSD (2004 - 2021), OF-1218 (2010 - 2011), OF-1519 (2012 - 2021), OF-1519R (2013 - 2019), OF-1721 (2012 - 2015).

20509865 - 20717624 - 20912514

Volvo: Caminhão FH, FH12, FH16, FM, FM9, FM12, ônibus B5RH, B7FB, B7R, B8R, B9L, B9S, B9TL, B11R, B12B, B12M, B12R, B13R.



2206

LINHA PESADA

Sensor de temperatura externa

1100799

Scania: Série 3, série 4 (P, G, R), série 5 (P, G, R), ônibus série 3, Ônibus série 4.



2207

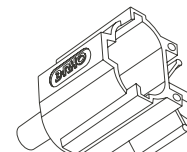
LINHA LEVE

Sensor de temperatura externa

80525-T2F-A01

Honda: Civic, Fit, HR-V, CRV.





2210

LINHA LEVE

Sensor de temperatura externa

6445F9

Citroen: AX, BX, Berlingo, C1, C2, C3 I II Picasso Pluriel, C4 I II, C4 Picasso, C4 Cactus, C5, C6, C8, C-Elysse, DS3, DS4, DS5, Evasion, Jumpy III IV, Saxo, Xantia I II, Xsara I II, Xsara Picasso, XM I II, ZX.

Peugeot: 107, 206, 207, 208, 301, 306 I II, 307, 308, 406, 407, 508, 607, 806, 807, 1007, 2008, 3008, 4007, 5008, Partner, Expert III IV, RCZ.

Renault: Clio II III, Espace, Grand Espace, Grand Scenic, Kangoo, Koleos, Laguna II, Master, Megane I II, Modus, Scenic, Scenic RX4, Thalia, Twingo, Vel Satis.



2211

LINHA PESADA

Sensor de temperatura externa

21311711

Volvo

VM: 210 (2003 - 2012), VM 220 (2012 - 2020), VM 240 (2004 - 2005), VM 260 (2006 - 2012), VM 270 (2012 - 2020), VM 310 (2006 - 2011), VM 330 (2012 - 2020).



2212

LINHA LEVE

Sensor de temperatura externa

71753245

Fiat: Argo (após 2018), Bravo (2008 - 2019), Cronos (após 2018), Ducato (2005 2015), Fastback (após 2022), Grand Siena (2013 - 2020), Idea (2005 - 2015), Mobi (após 2014), Palio (2005 - 2015), Punto (2008 - 2019), Siena (2005 - 2015), Strada (2005 - 2015), Toro (2005 - 2015), Uno (após 2012), 500 (2008 - 2019), Stilo (2005 - 2015).

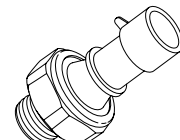




INTERRUPTORES DE PRESSÃO DE ÓLEO

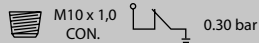
3-RHO

*OIL PRESSURE SWITCHES
INTERRUPTORES DE PRESIÓN DE ACEITE*



3300

LINHA LEVE



111.919.081
VW: Fusca 1200, Kombi 1200.



3301

LINHA LEVE

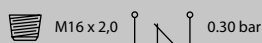


6U5Z-9278-J
Ford: Escape, Fusion.
Lincoln: Zephyr.
Mercury: Mariner, Milan.



3302

LINHA LEVE



12570964 - 12576388 - 12579946 - 12590793
125907930 - 12611588 - 12635957 - 1511069
8125709640 - 8126115880

Buick: Enclave, Lacrosse, Rainier.

Cadillac: SRX.

GM: Captiva 3.0 / 3.6, Colorado, Equinox, Malibu, Trailblazer 3.6, Traverse, Omega 3.6 (2011).

GMC: Acadia, Canyon, Envoy, Terrain.

Hummer: H3, H3T.

Isuzu: Ascender, I-280, I-290, I-350, I-370.

Oldsmobile: Bravada.

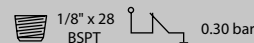
Pontiac: G6, Torrent.

Saturn: Aura, Outlook, Vue.



3303

LINHA LEVE



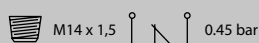
94750.37000 - 94750.37100
Hyundai: HB20, HR, H1, H100, I30, IX35, Accent, Atos, Azera, Coupe, Elantra, Entourage, Genesis, Santa Fé, Sonata, Tiburon, Tucson, Veracruz, XG350.

Kia: Carens, Carnival, Cerato, Ceed, Forte, K2500, Magentis, Opirus, Optima, Picanto, Rio, Rondo, Sedona, Sportage, Sorento, Soul.



3304

LINHA PESADA



Agrale: Caminhões, ônibus.

2897324

Cummins: Motores Cummins ISB e 3.9L e 5.9L.

Dodge: Ram.

BHOX-9D290.AA

Ford: F250, Cargo.

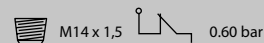
2R0.906.051 - 2R0.906.051.D - 2R0.906.051.E

VW: Caminhões.



3305

LINHA LEVE



25240-00QAH - 25240-00Q0A
Nissan: X-Trail.

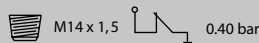
82.00.359.627 - 82.00.670.467 - 82.00.671.272
82.00.970.474

Renault: Captur 2.0 16V (após 2016), Duster 1.6 16V (após 2012), Duster 2.0 16V (após 2011), Fluence 1.6 16V (após 2011), Fluence 2.0 16V (após 2011), Grand Scenic 2.0 16V (2008 - 2012), Kwid 1.0 12V (após 2016), Laguna 2.0 16V (2002 - 2004), Logan 1.0 12V (após 2016), Master 2.5 16V (2004 - 2013), Master 2.3 16V (após 2013), Megane 1.6 16V (2006 - 2013), Megane 2.0 16V (2006 - 2013), Sandero 1.0 12V (após 2016), Sandero RS 2.0 16V (após 2016).



3306

LINHA PESADA



4076930

Cummins: Motores ISBE 4 e 6 cilindros.

68002994AA

Dodge: Ram2500, Ram3500, Ram4500, Ram5500.

BHOX.2D290.AA

Ford: Caminhões: Cargo 815E, 816, 1317E, 1319, 1517E, 1519, 1717E, 1719, 1722E, 2422E, 2423, 2428E, 2429, 2622E, 2623, 2628E.

Camionete: F250, F350, F4000.

2Z0.906.051 - 2Z0.906.051F - 2Z0.906.051G

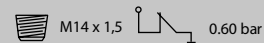
VW: Caminhões: 8.150, 9.150, 15.170, 17.250, 24.250. Delivery: 4.150 2.8 ISF (após 2018), 4.160 2.8 ISF (após 2018), 6.160 2.8 ISF (após 2018), 9.170 3.8 ISF (após 2018), 11.180 3.8 ISF (após 2018), 13.180 3.8 ISF (após 2018), Delivery Express: 2.8 ISF (após 2017).

Ônibus: 8150 EODC, 9150 EODC.



3307

LINHA LEVE



Citroen: Jumper 2.3 (2009 - 2017).

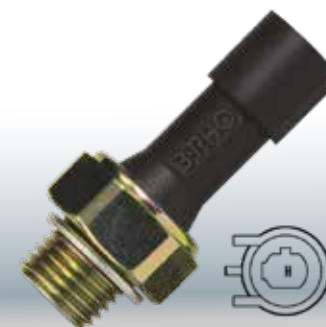
500356067 - 504026706

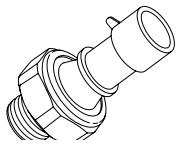
Iveco: 35S14 (2008 - 2019), 70C16 (2008 - 2011), 35C14 (2008 - 2012), 45S14 (2007 - 2012), 50C17 (2013 - 2019), 55C16 (2008 - 2012), 55C17 (2013 - 2019), 40S14 (após 2016), 45S16 (2008 - 2012), 45S17 (2013 - 2019), 30160 (após 2022), 35150 (após 2020), 45170 (após 2020), 55170 (após 2020), 60170 (após 2022), 65170 (após 2020), 70170 (após 2020).

1131.98 - 1131.C7 - 1131.J5 - 1131.J9 - 1131.K7
Peugeot: Boxer 2.3 (2009 - 2017).

23C.906.051E

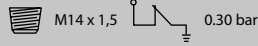
VW: Delivery 6.170 3.0 F1C (após 2023), Delivery Express 3.0 F1C (após 2022).





3308

LINHA LEVE



25240-0000F

Nissan: Livina, March.

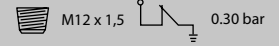
8200.671.275

Renault: Duster 1.6 16V, Kangoo, Logan 1.6 8V e 16V, Megane, Sandero 1.6 8V e 16V.



3309

LINHA PESADA



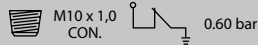
82036588

New Holland: Tratores série TL com motor Iveco, TL70A, TL80A, TL90A, TL100A.



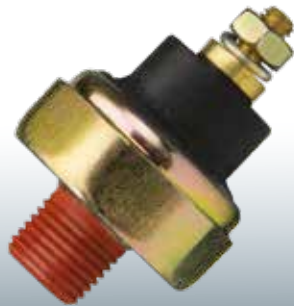
3310

LINHA PESADA



75285485

New Holland: Tratores série TL com motor MWM. TL60, TL60E, TL75, TL75E, TL85, TL85E, TL95, TL95E.



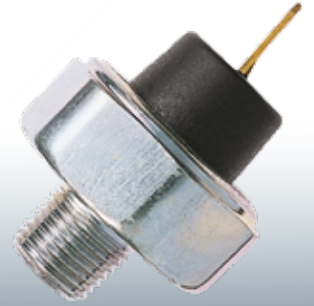
3311

LINHA LEVE



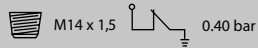
65.697

Ford Willys: Aero, Itamarati, Jipe, Rural, motor 6 cilindros.



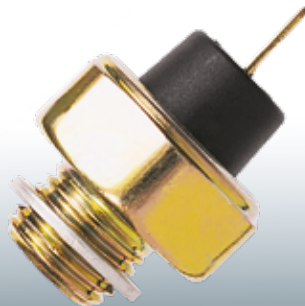
3312

LINHA PESADA



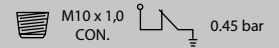
021.369-T1

Maxion: Tratores 9150, 9170.



3313

LINHA PESADA



John Deere: SLC 6200, motor MB 352.



3314

LINHA LEVE



Citroen: C-Crosser.

MN163743

Mitsubishi: ASX, Colt, Galant, Grandis, Lancer, Lancer Sportback, Outlander, Pajero.

1131.K4

Peugeot: 4007.

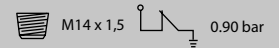
0011530632 - 0011531032 - 1221530032

Smart: Fourtwo, Fortwo.



3315

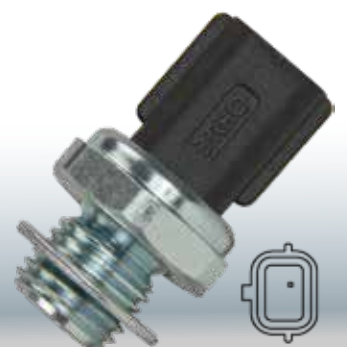
LINHA LEVE

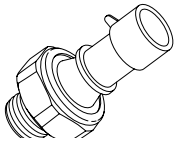


8200.359.629 - 8200.367.215 - 8200.367.216

8200.670.466 - 8200.671.271

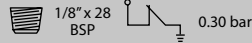
Renault: Clio 1.0 16V, Logan 1.0 16V, Sandero 1.0 16V.





3316

LINHA LEVE



93180245

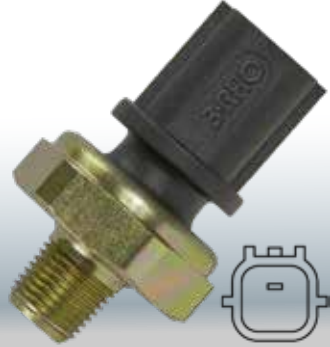
Infiniti: EX35, FX35, FX45, FX50, G20, G35, G37, M35, M45, Q45, QX4, QX56.

25240.00QAG - 25240.4M400 - 25240.4M40E

Nissan: 370Z, Altima, Armada, Cube, Frontier, Livina, March, Maxima, Murano, Pathfinder, Rogue, Sentra, Tiida, Versa.

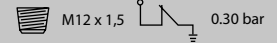
7701059974

Renault: Laguna, Master.



3317

LINHA LEVE



12610150684 - 12611710509 - 12611730160

12612367061 - 12617568480 - 12617620512

12618611273 - 756848001

BMW: 128i (2008-2013), 135i (2008-2013), 318i (1985-1999), 318is (1991-1999), 318ti (1995-1999), 320i (1992-2005), 323ci (2000), 323i (1998-2011), 323is (1998-1999), 325ci (2001-2005), 325e (1985-1987), 325es (1986-1987), 325i (1987-2006), 325is (1992-1995), 325ix (1988-1990), 325xi (2001-2006), 328ci (2000), 328i (1996-2013), 328xi (2007-2008), 330ci (2001-2006), 330i (2001-2006), 330xi (2001-2006), 335d (2009-2011), 335i (2007-2013), 335is (2011-2013), 335xi (2007-2008), 525i (1989-2007), 525xi (2006), 528e (1985-1988), 528i (1998-2010), 528xi (2008), 530i (1994-2007), 530xi (2006-2007), 535i (1989-2010), 535i GT (2010), 540i (1994-2003), 545i (2004-2005), 550i (2006-2013), 550i GT (2010-2013), 635csi (1985-1989), 645ci (2004-2005), 650ci (2006-2010), 650i (2006-2013), 735i (1988-1992), 735il (1988-1992), 740i (1993-2012), 740il (1993-2001), 740li (2011-2012), 745i (2002-2005), 750i (2006-2013), 750il (1997-2001), 750li (2006-2013), 760i (2005-2006), 760li (2003-2013), 840ci (1997) 850ci (1997), Alpina B7 (2007-2013), Alpina B7L (2011-2013), M1 (2011), M3 (1988-2013), M5 (1988-2013), M6 (1987-2013), X3 (2004-2012), X5 (2000-2013), X6 (2008-2013), Z3 (1996-2002), Z4 (2003-2013), Z8 (2000-2003).

37240-PST-G01

Honda: Accord.

NUC100280L - NUC000040 - STC252

Land Rover: Defender, Discovery, Freelander, Range Rover.

MG: TF, MG ZR, MG ZS, MG ZT, MG ZT-, MGF.

1252552 - 1252569

Opel: Omega.

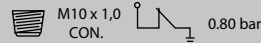
NUC100350

Rover: 25, 45, 75, 200, 400.



3318

LINHA PESADA

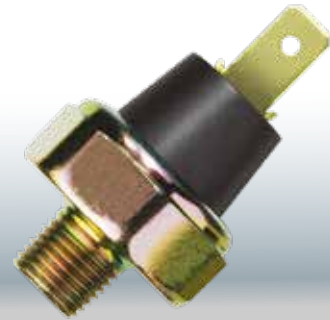


887283760

Massey Ferguson: Motores Sisu Power.

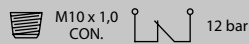
887283760

Valtra: Diversos.

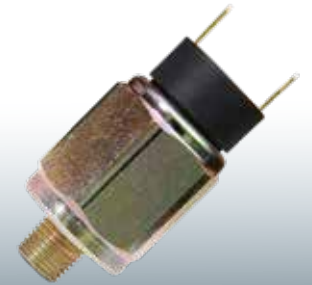


3319

LINHA INDUSTRIAL

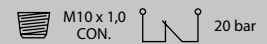


Eximport: Sistema de lubrificação.

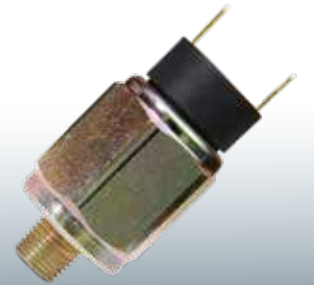


3320

LINHA INDUSTRIAL



Eximport: Sistema de lubrificação.



3321

LINHA LEVE



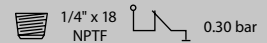
E9SZ.9278.A - E9SC.9278.AA - BF7T.9278.A

Ford: Explorer (1992 - 2000), F-1000 (1992 - 1998), Ranger 2.8 e 3.0 diesel, Ranger V6 gasolina (1994 - 1997).



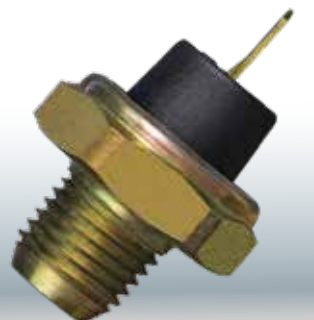
3322

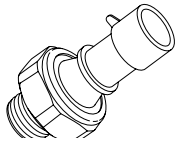
LINHA LEVE



89HU.9278.AA - B6A.9278.A - D6NN.9278.A

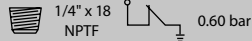
Ford: F100, F350, F600, F4000, Jipe, F75 4 cil, Maverick 4 cilindros, Rural, Trator.



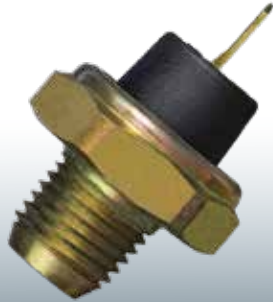


3323

LINHA PESADA

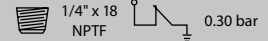


E6HT.9278.AA
Ford: Cargo.



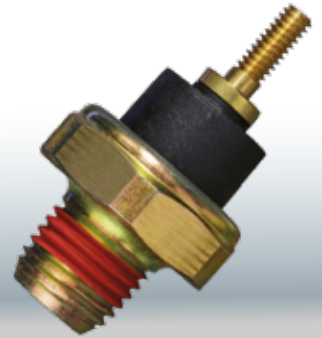
3324

LINHA LEVE



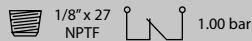
90AB.9278.AB - 92BB.9278.AA
92BB.9278.BB

Ford: Courier, Escort, Fiesta, Ka, Maverick 4 cilindros, Mondeo, Mondeo SW.



3325

LINHA PESADA



Universal / Industrial
Stemac: Grupos geradores.



3326

LINHA PESADA



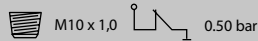
1609395

Volvo: Caminhões, ônibus.

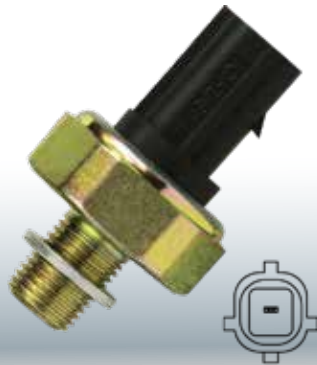


3327

LINHA PESADA

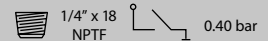


2RD.919.081
VW: Caminhões 8150, 9150 motor 4 e 6 cil.



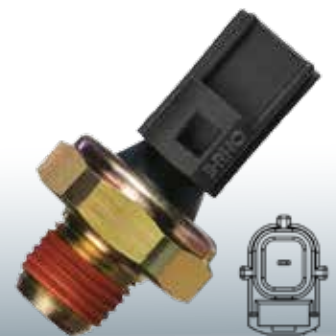
3328

LINHA PESADA



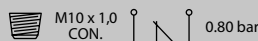
BF8T.9278-AA - BF9T.9278-AA

Ford: F250, F350, F4000, F12000, F14000, F16000
Cargo 2426, 2628.



3329

LINHA PESADA

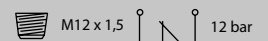


11039249
Volvo: Pá carregadeira L120.



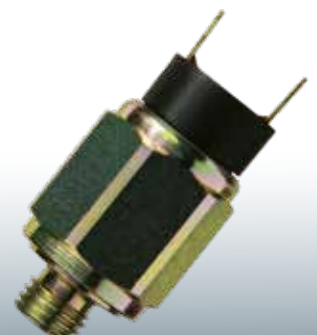
3330

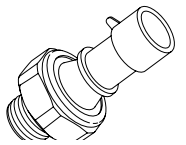
LINHA PESADA



DQ42767

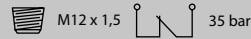
John Deere: Colheitadeiras.
Unidade Hidráulica.



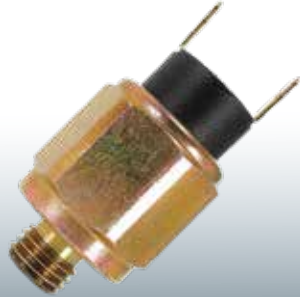


3331

LINHA PESADA

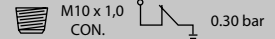


DQ40989
John Deere: Colheitadeiras.
 Unidade Hidráulica.



3332

LINHA PESADA



90.578.20100.60
MWM
117400
Valtra: Tratores.



3333

LINHA PESADA



8005.111.033.08.8
Agrale
CBT: Tratores.
A001.542.69.17 - A001.542.70.17
A345.542.71.17 - A346.542.71.17
Mercedes-Benz: Caminhões 312, 321, 1111, 1113, 1114, 1115, 1116, 1118, 1214, 1313, 1314, 1316, 1317, 1318, 1418, 1513, 1514, 1516, 1517, 1518, 1618, 2013, 2017, 2213, ônibus.
R75786
New Holland: Colheitadeira 4040/5050.
Toyota: Com motor Mercedes-Benz.
Valmet: Tratores.



3334

LINHA LEVE



1131.J2
Citroen: Jumper 2.2
157Z.9278.AA - 3M51.9278.AB - 3571.9278.AB
98AB.9278.AA - 98AB.9278.CA - XS2Z.9278.CA
Ford: Courier Zetec Rocam (até 2008), Edge EcoBoost, Ecosport 1.0 Supercharger, Escort 1.6 Zetec Rocam (2000 - 2003), 1.6 Sigma (após 2012), 2.0 Duratec (2003 - 2008), 2.0 Duratec Flex (após 2012), Fiesta 1.0 e 1.6 (até 2008), Focus 1.6 Zetec Rocam (até 2008), 1.6 Sigma (após 2009), 1.8 (2000 - 2005), 2.0 Duratec (após 2005), Fusion 2.0 EcoBoost (2012 - 2016), Ka Zetec Rocam 1.0 e 1.6 (até 2008), 1.5 Sigma (após 2013), 1.0 3 cilindros (após 2014), New Fiesta 1.6 Sigma (após 2010), Ranger 2.2 Duratorq diesel (após 2012), 3.2 Duratorq diesel (após 2012), Territory (após 2020), Transit Duratorq diesel (2012 - 2016).

AJ813129
Jaguar: XE 2.0.

4737666 - LR000633 - LR004410

Land Rover: Discovery 4 Sport 2.0 (após 2014), Freelander 2 2.0 (2011 - 2014), Range Rover Evoque 2.0 (após 2011), Range Rover III 3.6 D (2006 - 2012), Range Rover III 4.4 D (2010 - 2012), Range Rover IV 4.4 D (após 2012), Range Rover Sport I 3.6 D (2006 - 2013), Range Rover Sport II 4.4 (após 2013).

1131.J2

Peugeot: Boxer 2.2.

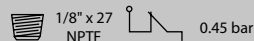
Troller: 3.2 Duratorq (2014 - 2022).

OBS.: Peça 3351 circuito inverso.



3335

LINHA LEVE



94.600.398
GM: C10/60, diesel, D10/20/40/60/70.
Toyota: Motor 14B (sem mostrador de pressão).



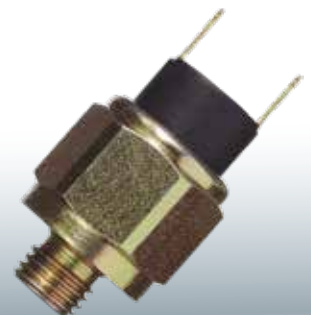
3336

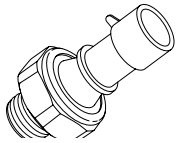
LINHA PESADA



87384756
New Holland: Aplicado no câmbio.
 Boomer 3040, 3045, 3050, 45D, 46D, 54D, 8N, T6.125, T6.125S, T6.145, T6.155, T6.160, T6.165, T6.175, T6.180, TD4020F, TD4030F, TD4040F, TD5010, TD5020, TD5030, TD5040, TD5050, TD65F, TD75F, TD80D PLUS, TD85F, TD90D PLUS, TD95D PLUS, TL100, TL100A, TL60, TL60E, TL65, TL70, TL70A, TL75, TL75E, TL80, TL80A, TL85, TL85E, TL90, TL90A, TL95, TL95E, TM175, TM190, TN55, TN55D, TN55S, TN55V, TN60A, TN60DA, TN60SA, TN60VA, TN65, TN65D, TN65F, TN65N, TN65S, TN65V, TN70, TN70A, TN70D, TN70DA, TN70NA, TN70S, TN70SA, TN70VA, TN75, TN75A, TN75D, TN75DA, TN75F, TN75N, TN75NA, TN75S, TN75SA, TN75V, TN75VA, TN85A, TN85DA, TN85SA, TN90F, TN95A, TN95DA, TN95NA, TN95VA, WE150B, WE170B, WE190B, WE210B, WORK, EZ, 72SL, WX148, WX168, WX188, WX218.

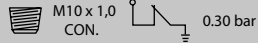
Case: JX100U, JX1060C, JX1060V, JX1070C, JX1070N, JX1070U, JX1070V, JX1075C, JX1075N, JX1075V, JX1080U, JX1085C, JX1090U, JX1095C, JX1095N, JX1095V, JX1100U, JX60, JX70, JX70U, JX80, JX80U, JX90, JX90U, JX95, L60, L65, L75, L85, L95, LEG, 12A, 00, EU, ANZ, Legacy, NH, AG, LRX, 1095 Maxxum 115, 125, 135, 145, 150, MXM175, MXM190.





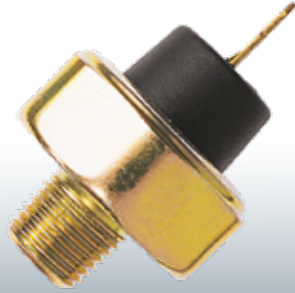
3337

LINHA PESADA



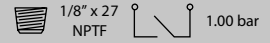
7009.007.014.00.8

Agrale: 4100, 4200, 4300, Bobcat.



3338

LINHA INDUSTRIAL

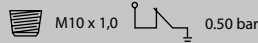


Universal/Industrial



3339

LINHA PESADA

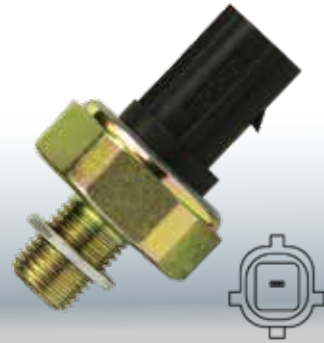


2RD.919.081 - 90.568.50900.49

MWM: 1210P, 1214 OP, 14150, motores MWM.

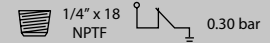
2S0.906.051.A

VW: Caminhões com motor Sprint.



3340

LINHA PESADA



B6A.9278.A

Ford: Cargo 1315, 1415, 1618, 2218, F4000.

930139

Máquinas Svedala-Rolos Compactadores:
Dynapac CA-15 e CA-25.

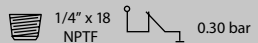
D6NN.9278.A

New Holland: Tratores série 10.



3341

LINHA PESADA



E.064.421

Case

BD7T.9178.AA

Ford: Nova Ecosport, Tratores 4 cil., 4600, 5600, 6600.

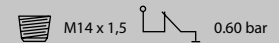
5.284.268

Poclair



3342

LINHA PESADA



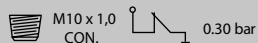
98442879 - 98445111

Iveco: Cursor, Eurocargo, Euroclass, Eurorider, Eurostar, Eurotech, Eurotracker, Stralis.



3343

LINHA PESADA



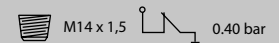
2SL.919081 - XC45.9278-AA

Ford: Cargo: 712, 814, 815, 815-S, 915, 1215, 1217, 1317, 1415, 1417, 1421, 1517, 1521, 1617, 1621, 1622, 1717, 1721, 1722, 1731, 2421, 2422, 2425, 2426, 2622, 2626, 2631, 2831, 3222, 4031, 4331, 5031, F-12000 e F14000 (1993 - 1998).



3344

LINHA LEVE



79MU.9278.A - 86AU.9278.AA

Ford: Belina I e II (após 1971), Corcel, Del Rey, Escort L/GL/Ghia/XR3, Pampa (após 1982), Scala.

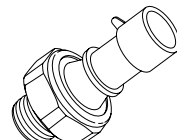
2101-38100600

Lada: Niva 1.6 4WD.

021.919.081.B - 029.919.081.3 - 029.919.081.B

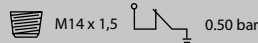
VW: Gol, Parati, Saveiro, Voyage.





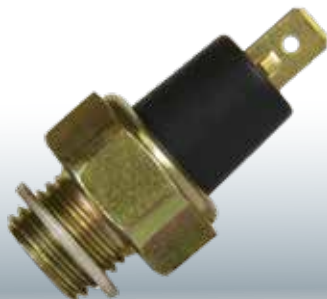
3345

LINHA LEVE



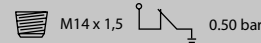
7.502.811

Fiat: 147, Elba, Europa, Fiorino, Furgão, Oggi, Panorama, Prêmio, Spazio, Uno até 1991.



3346

LINHA LEVE



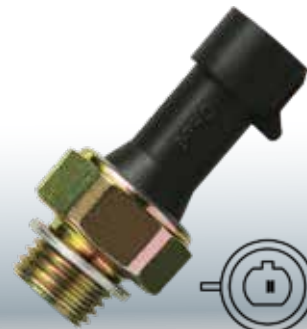
46420838 - 4859913 - 4859914 - 50008757

500312468 - 504310254 - 55202374

60593844 - 60593845 - 60808371 - 71749462

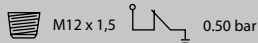
7681395 - 7705830 - 7706596

Fiat: Motores 1.0 8V, 1.0 16V, 1.3 16V, 1.4 8V, 1.4 16V e 1.5, 500, Dobló, Fiorino, Idea, Palio, Palio Weekend, Punto, Siena, Strada, Uno.



3347

LINHA PESADA



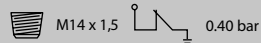
798.551.65

Fiat: Caminhões.



3348

LINHA PESADA



Cummins: Aplicado na parte inferior do motor. Motores ISB 3.9 com 2 interruptores de óleo.

BGSX.9F479.CA

Ford: Cargo leve eletrônico a partir de 2005, médio e pesado eletrônico (2005 - 2011), 1317E, 1517E, 1717E, 1722E, 2622E, 2628E, 2422E, 2428E.

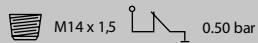
2R0.919.081

VW: Caminhões com motores Cummins (8.150, 9.150, 15.170, 17.250, 24.250), micro-ônibus 8-150 motor Man.



3349

LINHA PESADA



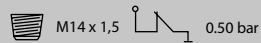
98469129

Iveco: Daily 35.10 Van Furgão.



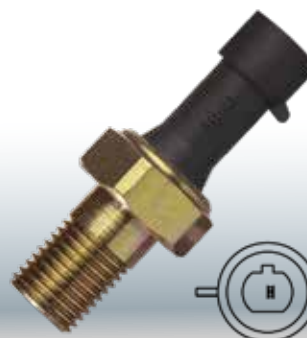
3350

LINHA LEVE



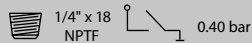
7.710.826

Fiat: Modelos com motor diesel 1300CC (Mercosul).



3351

LINHA LEVE



1F21.18501 - 1F21.18501.A - 1LSZ.9278.AA 1LSZ.9278.GA

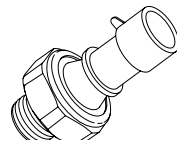
1USZ.9278.DA - 1USZ.9278.GA - 6USZ.9278.D - 6USZ.9278.G

F8AZ.9278.DA - G1CZ.9278.B - GC3Z.9278.B - PS312

Ford: Courier Zetec Rocam (após 2008), Ecosport 1.6 Zetec Rocam (após 2008), 2.0 Duratec (2008 - 2012), Edge 3.5 Duratec (2008 - 2018), Explorer (1999 - 2005), Fiesta 1.0 e 1.6 Zetec Rocam (2009 - 2014), Focus 1.6 Zetec Rocam (após 2008), F-250 4.2 gasolina (1998 - 2002), Fusion 2.0 Duratec (2013 - 2019), 2.3 Duratec (2006 - 2009), 2.5 Duratec flex/híbrido (2009 - 2019), 3.0 Duratec (2009 - 2012), Ka 1.0 e 1.6 Zetec Rocam (2009 - 2013), Ranger 2.3 DOHC (2001 - 2012), 2.5 Duratec (2012 - 2020), 4.0 V6 gasolina (2001 - 2003).

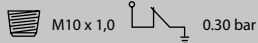
OBS.: Peça 3334 circuito inverso.





3352

LINHA LEVE

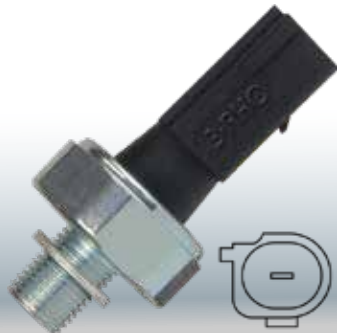


028.919.081.E - 028.919.081G - 028.919.081J

Seat: Alhambra, Córdoba, Ibiza, Inca, León.

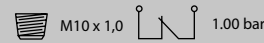
VW: Fox, Gol, Golf VR6, Passat VR6, Voyage.

Circuito inverso ao 3387.
Original plugue azul.



3353

LINHA PESADA



1316330

Scania: Série 3, série 4.



3354

LINHA LEVE



1510875 - 4608303 - 4608303AB - 4609026 - 4687649

4707670 - 5149098AA - 7B09.19081.A - 88924460

M04687649

Chrysler: 300, 300M, Cirrus, Concorde, Grand Voyager, Intrepid, LHS, Neon, New Yorker, Pacifica, PT Cruiser, Sebring, Town e Country, Voyager.

Dodge: Avenger, Caravan, Challenger, Charger, Grand Caravan, Intrepid, Journey, Magnum, Neon, Nitro, Stratus.

Eagle: Talon, Vison.

Jeep: Liberty, Wrangler.

Plymouth: Breeze, Grand Voyager, Neon, Voyager.



3355

LINHA PESADA



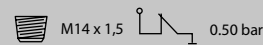
732124694600398

GM: D-11000, C-10, D-10, D-20, Chevrolet Brasil.



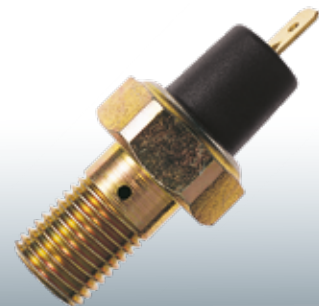
3356

LINHA LEVE



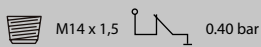
7.511.028

Fiat: Todos com manômetro.



3357

LINHA LEVE



24580010

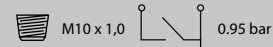
GM: Plugue elíptico. Para plugue redondo aplicar o produto 3374.

Celta (2011 - 2016), Cobalt 1.4 e 1.8 (2015), Corsa (1994 - 2017), Montana 1.4 (2015), Ônix 1.0 e 1.4 (2013 - 2016), Prisma 1.0 e 1.4 (2007 - 2012), Spin 1.8 (2015).



3358

LINHA LEVE



Audi: Motores 2.0 FSI, 2.0 TSFI, 2.0 TDI, 2.4, 2.5, 3.0 FSI, 3.0 TSFI, 3.0 TDI e 4.0 TSFI A1, A3, A4, A5, A6, A7, A8, S4, S5, S8, Q5, Q7.

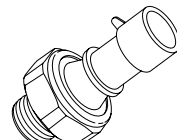
958.606.081.60

Porsche: Motor 3.0 diesel, Cayenne, Macan, Panamera.

059.919.081H - 059.919.081E

VW: Motores 1.9 TDI, 2.0 FSI, 2.0 TSI, 2.0 TFSI, 2.5 Bora (2005 - 2010), Jetta (2005 - 2010), New Beetle (2006 - 2010), Passat (2006 - 2007).





3359

LINHA LEVE

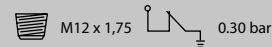


A11-3810010BC
Chery: Tiggo.



3360

LINHA LEVE

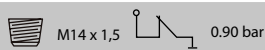


12635992 - 24577642
GM: Captiva 2.4 (2009 - 2017), Malibu 2.4 (2010 - 2013).



3361

LINHA LEVE



82.00.671.278
Renault: Clio 1.0 16V, Kangoo 1.0 16V, Logan 1.0 16V, Sandero 1.0 16V.



3362

LINHA LEVE

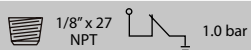


1316119
Land Rover: Discovery 3, Discovery 4, Range Rover Sport.



3363

LINHA PESADA

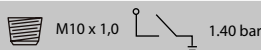


6283080M91
Massey Ferguson: Trator linhas 200, 250, 265, 275, 283, 290, 297, 680, 4275, 5000, colheitadeiras linhas 3640, 5650.



3364

LINHA LEVE

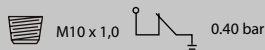


079.919.081
Audi: A6, A8, Q7, RS4, RS6, S5, S6, S8, R8.
955.606.091.02
Porsche: Cayenne 3.6.
079.919.081
VW: Phaeton 3.0, Touareg 3.6.



3365

LINHA LEVE



55354325 - 90338647
GM: Cruze 1.8 (2012 - 2016), S10 diesel (após 2012), Sonic 1.6 (2012 - 2016), Tracker 1.8 (2013 - 2016), Trailblazer diesel (após 2013).

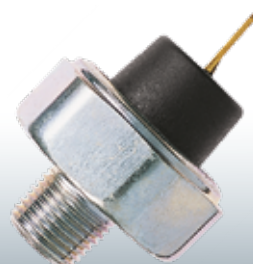


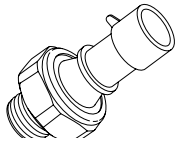
3366

LINHA PESADA



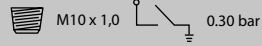
Case: Tratores.
1606877
Volvo: Caminhões, ônibus.



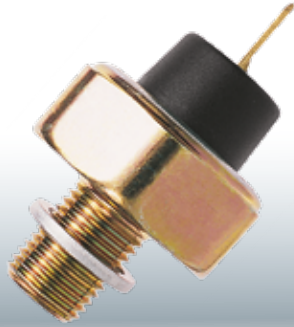


3367

LINHA LEVE

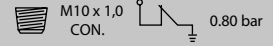


60513055 - 60568392
Alfa Romeo: 155, 164.

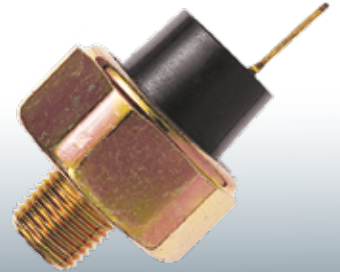


3368

LINHA PESADA

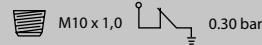


532.583
Scania: Caminhão: L-110, L-111, LK-140, LK-141, ônibus BR-116.



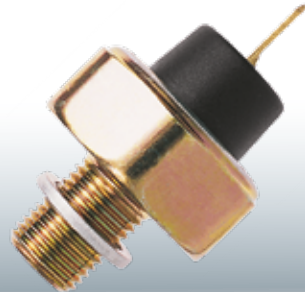
3369

LINHA LEVE



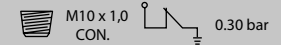
026.919.081.1
Ford: Escort, Royale, Verona, Versailles.
Seat: Cordoba, Ibiza.

028.919.081D - 028.919.081H - 056.919.081C
VW: Apollo (1991 - 1992), Gol (1981 - 1996), Parati (1982 - 1995), Santana (1984 - 2006), Saveiro (1981 - 1996).

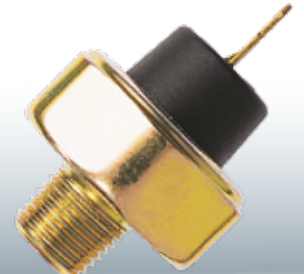


3370

LINHA LEVE

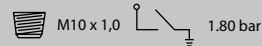


021.919.081.0 - 040.919.081.1
VW: Brasília, Fusca, Gol (motor a ar), Kombi, Puma, SP2, Saveiro (motor a ar), TL, TC, Variant.

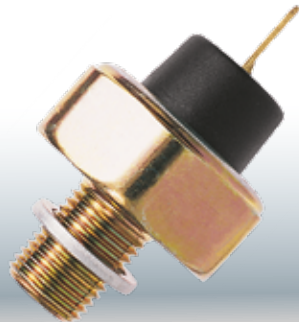


3371

LINHA LEVE

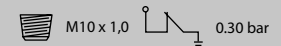


Audi: A3, A4.
Seat: Cordoba, Ibiza.
056.919.081.E - 056.919.081.D
VW: Pressão de óleo do filtro.
Golf, Polo, Polo Classic.

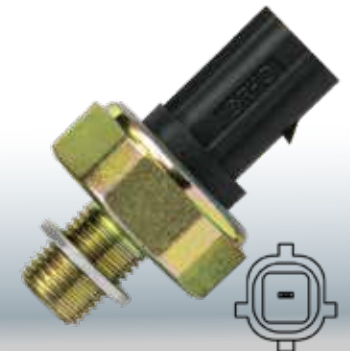


3372

LINHA LEVE

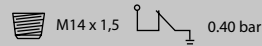


Ford: Escort, Royale, Verona (após 1992), Versailles.
Seat: Cordoba, Ibiza.
027.919.081.1 - 030.919.081.1
VW: Gol (1981 - 2006), Logus (1993 - 1996), Parati (1982 - 2002), Pointer (1993 - 1996), Polo (1997 - 2000), Saveiro (1981 - 2006), Voyage (1982 - 1995).



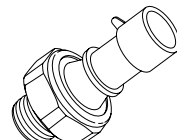
3373

LINHA LEVE



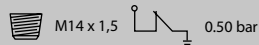
Ford: Escort, Verona.
029.919.081.1 - 029.919.081.2
VW: Gol (1981 - 1996), Logus (1993 - 1996), Parati (1982 - 2001), Pointer (1993 - 1996), Polo (1997 - 2000), Saveiro (1981 - 1996), Voyage (1982 - 1995).





3374

LINHA LEVE



500.312.468 - 55.202.374 - 55270192

55354378 - 7.084.483

Fiat: Argo, Brava, Bravo, Doblo, Ducato, Coupe, Crosnos, Fiorino, Grand Siena, Idea, Linea, Marea, Marea Weekend, Mobi, Palio, Palio Weekend, Punto, Siena, Stilo, Strada, Tempra, Tipo, Toro gasolina, Uno, 500. Motores 1.6 8V, 1.6 16V, 1.8 8V, 1.8 16V, 2.0 16V, 2.0 20V, 2.0 turbo, 2.4 20V.

25.180.905 - 55.202.374 - 90.336.039

90507539 - 93.177.490 - 93.193.582

93.318.082 - 93.362.638 -

GM: Plugue redondo. Para plugue elíptico utilizar o produto 3357.

Agile, Astra, Astra Wagon, Blazer, Calibra, Celta, Corsa, Meriva, Montana, Ômega 2.0 2.2 3.0, Ônix, Pick-up Corsa, S10, Spin, Tigra, Vectra, Zafira. Motores 1.0, 1.4, 1.6, 1.8, 2.0, 2.2, 2.4.

Jeep: Renegade (gasolina).



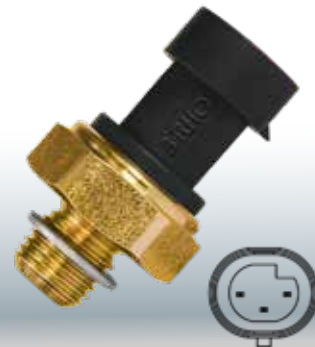
3375

LINHA LEVE



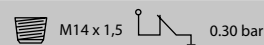
25.036.849

GM: Blazer 2.2 EFI, MPFI, 2.4 MPFI (1995 - 2003), C20 4.1 (1996), EFI (1992 - 1996), EFI (1992 - 1998), Grand Blazer 4.1 e HD3500 4.1 (1997 - 2002), Kadett 1.8 e 2.0, Monza 1.8 e 2.0, Omega 4.1 (1995 - 1998), S10 e Silverado 4.1.



3376

LINHA LEVE



Peugeot: 206 1.0 16V.

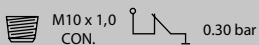
77.00.417.970 - 77.00.771.825 - 77.00.777.660

Renault: Clio 1.0 8V, Clio 1.6 16V, Laguna, Megane 1.6 16V, R19, Scenic 1.6 16V, Symbol 1.6 16V, Traffic.



3377

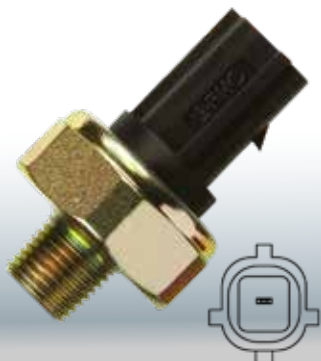
LINHA PESADA



Interruptor de pressão de óleo da caixa de câmbio

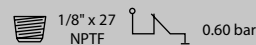
301.021.20

Valtra: Tratores.



3378

LINHA LEVE



94.603.087

GM: Caravan, Comodoro, Diplomata, Opala, Puma GTB, A10, A20, A40, C10, C20, C40, (1965 - 1975).



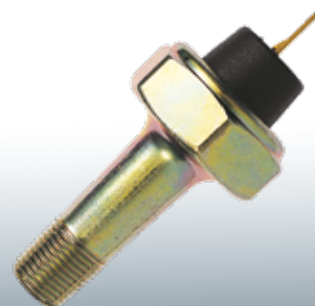
3379

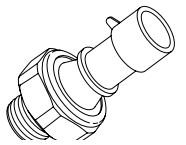
LINHA LEVE



94.603.087

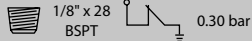
GM: Caravan, Opala.





3380

LINHA LEVE



37200.590.036

Honda: Civic.

1026050GG010

Jac Motors: J2, J3.

900.18.501-C

Kia: Besta, Carens, Carnival, Cerato, Joice, K2500, K2700, Magentis, Pregio, Rio, Sorento, Sportage.

MD001481 - MD001482 - MD001483

MD017430 - MD021566 - MD021567

MD138993 - 1258A003

Mitsubishi: Airtrek, Colt, Galant, Lancer, L200, L300, Pajero, Space Wagon, Triton, TR4.

37820.73000 - 37820.79600 - 37820.82000

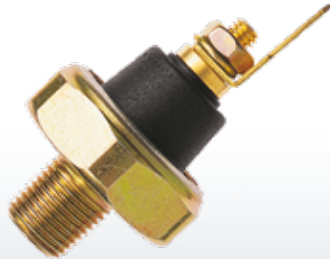
Suzuki: Alto, Baleno, Carry, Grand Vitara, Ignis, Jimny, Liana, Samurai, Sidekick, SJ 410, SJ 413, Super Carry, Swift, Sx4, Vitara, Wagon R, Wagon R+, X-90.

83530.10010 - 83530.10020 - 83530.12010

83530.12020 - 83530.14010 - 83530.14030

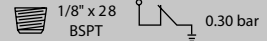
83530.28030 - 83530.30030

Toyota: Camry, Corolla, Hiace, Hilux, Land Cruiser, Liteace, Model F, Starlet, SW, Previa.



3381

LINHA LEVE



83530.30060

Daihatsu: Aplause, Charade, Feroza.

Hyundai: Topic.

150.18.501.D

Kia: Besta.

0866.18.501A

Mazda: 626/929, MX-3.

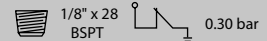
83530.300.1020

Toyota: Camry, Corola, Hilux, SW.



3382

LINHA LEVE



Acura: RDX, TSX.

37240.PHM.003 - 37241.RNA.A01

Honda: Accord, CR-Z, Civic, CR-V, City, Fit, Insight, Jazz.

Lexus: ES, GS, IS, LS, RX.

Mazda: RX 8.

83530.05010 - 83530.14060 - 83530.14070

83530.28010 - 83530.28020 - 83530.30090

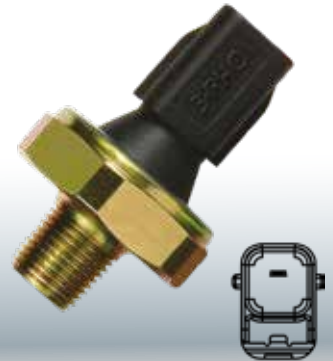
83530.30100 - 83530.60010 - 83530.60020

83530-AA011 - 83530.0E010

Toyota: Avensis, Camry, Carina, Celica, Corolla, Etios, 4 Runner, Hilux, Land Cruiser, Paseo, Previa, Prius, RAV 4, Supra, Yaris.

30713497

Volvo: S40, S80, V40, XC90.



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LINHA LEVE



83530.14030 - 83530.87705

Daihatsu: Charade.

3024539 - 3600688 - E9BZ.9278.A

Ford: Ranger.

94750.11010 - 94750.11102 - 94750.11110

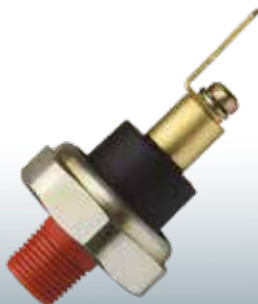
94750.21000 - 94750.21010 - 94750.21020

94750.21030

Hyundai: Accent, Atos, Coupe, Elantra, Galloper, Getz, H-1, H100, I30, Lantra, Matrix, Pony, S Coupe, Santa Fé, Santamo, Sonata, Stellar, Terracan, Trajet, Tucson, XG.

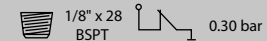
1.345.18.501 - B.366.18.501 - B.367.18.501

Mazda: 121, 2, 3, 323, 323C, 323F, 323P, 323S, 5, 6, 626, B-série, BT-50, Demio, MPV, MX-3, MX-5, MX-6, Premacy, Xedos 6, Xedos 9.



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LINHA LEVE



37240.PD2-003 - 37240.PD2.004

37240.P2F.A01 - 37240.PTO.003

37240.PTO.004 - 37240.PTO.013

37240.PTO.014 - 37240.PTO.023

Honda: Accord, Civic, Prelude.

11110-94750

Hyundai: Accent, Elantra, Excel, H-100, Sonata.

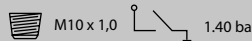
25240-89900

Nissan: Sentra.



3385

LINHA LEVE



Audi: A3, A4, A6, A8, Cabriolet, Q7, TT.

95560609100 - 95560609101

Porsche: Cayenne.

Seat: Arosa, Alhambra, Cordoba, Ibiza, Leon, Toledo.

06A.919.081A - 06A.919.081D - 06A.919.081E

06A.919.081F - 06A.919.081J

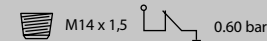
VW: Bora, Caddy, Golf, Jetta, Lupo, New Beetle, Passat, Passat Variant, Phaeton, Polo, Scirocco, Sharan, Tiguan, Touareg, Touran, Transporter.

Original plugue preto.



3386

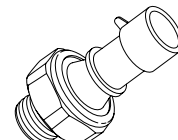
LINHA PESADA



A695.542.72.17

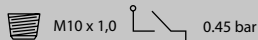
Mercedes-Benz: Caminhões, ônibus M96, 1214, 1418, 1620.





3387

LINHA LEVE



036.919.081.A - 036.919.081.B - 036.919.081.C
036.919.081.D - 06A.919.081.C

Audi: A3, A4, A6, TT.

Seat: Ibiza 1.0 16V.

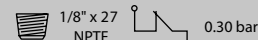
VW: Amarok (após 2010), Bora (2001 - 2002), Caddy, Crafter, Eos, Fox (após 2004), Gol (G5 e posterior), Golf (após 2000 1.6 e 2.0), Jetta (2005 - 2018), Kombi (motor 1.4), Lupo, Multivan, New Beetle (2000 - 2005), Nivus (após 2021), Parati (2011 - 2013), Passat (1998 - 2001), Polo (2003 - 2018), Saveiro (G5 e posterior), Sharan, Spacefox (2006 - 2010), Taos (após 2021), T-cross (após 2020), Tiguan (2008 - 2018), Touran, Transporter, Tuareg (2004 - 2005), up! (2014 - 2017), Virtus (após 2018), Voyage (G5 e posterior).

Original plugue verde.



3388

LINHA LEVE



372-1002070 - S113810010

Chery: QQ.

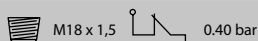
361.7936

Chrysler: Dodge 1800.



3389

LINHA LEVE



60.01.055.056 - 77.00.771.828

Renault: Clio 1.7, 1.7 16V, Laguna 3.0 V6, Trafic, 1.9D, R11, R19, R21.

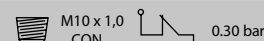
3343237 - 3344237-8

Volvo: 440, 460, 480.



3390

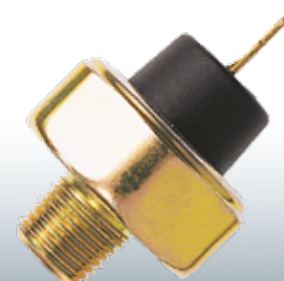
LINHA LEVE



Gurgel: Motor a ar.

A012.542.66.17

Mercedes-Benz: Sprinter.



3391

LINHA LEVE



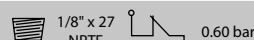
PRC 404 - PRC 638 - PRC 6387

Land Rover: Defender 90/110/130, 2.3, 2.5, 2.5D, TD. Defender TDI, 200, 300, Discovery TDI, 200, 300, Range Rover 3.5, 2.5 TDS, TDI.



3392

LINHA PESADA

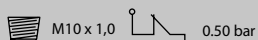


Valmet: Trator.



3393

LINHA PESADA



3977579

Cummins

BH1X-9D290-AA - BG6X-9D290-AA

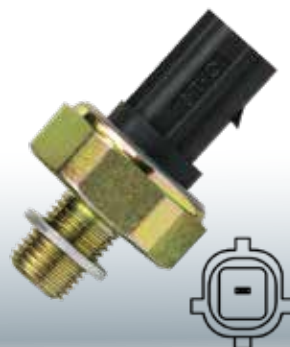
Ford: Caminhões, ônibus com motor Cummins ISCE 8.3L, 1832E, 2632E, 2932E, 4432E, 4532E, 5032E, 6332E.

20721216 - 22708253

Volvo: VM.

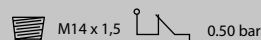
2TD.919.081

VW: Caminhões, ônibus com motor Cummins ISCE 8.3L.



3394

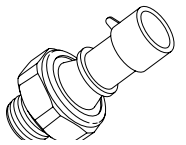
LINHA PESADA



7.522.40.69 - 43.72.485

Fiat Allis: Tratores.





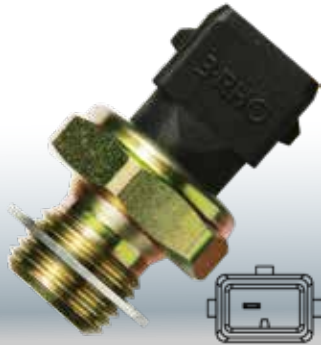
3395

LINHA LEVE



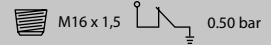
1131.61 - 1131.82

Peugeot: 106, 306, 405, 406, Boxer.



3396

LINHA LEVE



1131 C5 - 1131 K5 - 96.614.775.80

Citroen: Berlingo, C3, C4, C4 Grand Picasso, C4 Pallas (2.0), C4 Picasso, C5, C6, C8, Jumper, Xantia, XM, Xsara, Xsara Picasso.

93.330.573

GM: Tracker (2002 - 2004).

LR005365

Land Rover: Evoque diesel 2.2, Freelander 2 diesel 2.2.

Y401.18.501 - Y401.18.501A

Mazda: 2, 3.

11.42.7.805.983 - 12.61.7.536.724

12.61.7.568.481

Mini: Cabriolet, Clubman, Cooper, Coupé, JCW, Roadster.

25240-6F901

Nissan: Micra.

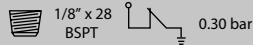
1131 C5 - 1131 K5 - 96.614.775.80

Peugeot: 106, 107, 206, 207, 208, 306, 307, 308 (1.6 16v e 2.0), 406, 407, 408 (2.0), 607, 806, 807, 1007, 4007, Boxer, Hoggar, Partner.



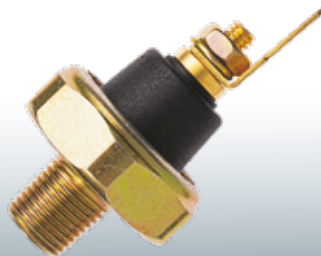
3397

LINHA LEVE



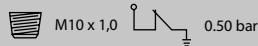
96053621 - 91177495

GM: Tracker gasolina (2007 - 2009).

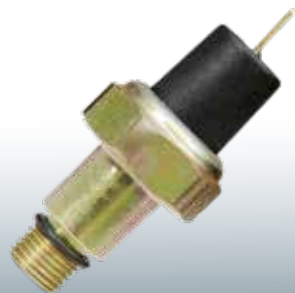


3398

LINHA PESADA

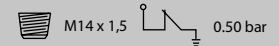


Case: Tratores com motor Cummins.



3399

LINHA LEVE



9301012 - 93342424 - 98500506

GM: Chevette, Chevy 500, Blazer 2.8 diesel (2000 - 2009), Ipanema, Kadett, Marajó, Monza, S10.

7005207C1E

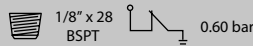
MWM

Nissan: Frontier.



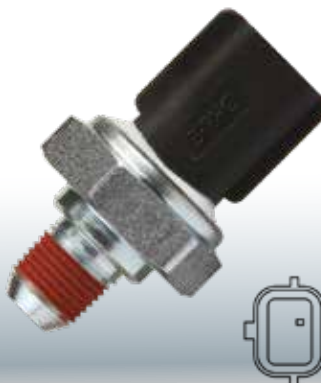
33100

LINHA LEVE



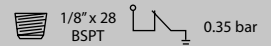
252405053R

Renault: Fluence 2.0 16V.



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LINHA LEVE



Chrysler: 200 (2011 - 2014), Aspen (2007 - 2009), Sebring (2007 - 2010).

Dodge: Avenger (2008 - 2013), Caliber (2007 - 2012), Dakota (2003 - 2011), Durango (2003 - 2009), Journey (2009 - 2017), Nitro (2007 - 2011), RAM 1500 (2003 - 2013), RAM 2500 (2003 - 2008), RAM 3500 (2003 - 2008).

K05149097AA - K68003360AA

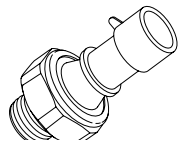
Fiat: Freemont 2.4 16V (após 2012).

468672AA - 4707051 - 4868672AA - 5149059AA

5149097AA - PS535

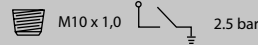
Jeep: Commander (2006 - 2010), Grand Cherokee (2003 - 2010), Liberty (2003 - 2012), Wrangler (2003 - 2006).





33102

LINHA LEVE



Audi: Aplicado nos motores 1.4 TSi, 2.0 TSi, 2.0 TFSI, 2.5 e 3.0 TFSI. A1, A3, A4, A5, A6, A7, A8, Q3, Q5, Q7, TT.

958.919.081.10

Porsche: Macan 2.0.

Seat: Alhambra, Altea, Ateca, Exeo, Ibiza, Leon, Tarraco.

04E.919.081A - 06E.919.081F - 06H.919.081

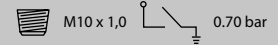
06H.919.081A - 06K.919.081

VW: Motores 1.4 TSi, 2.0 TSi, 2.0 TFSI, 2.5 e 3.0 TFSI, CC (2012 - 2017), Fusca (2012 - 2016), Golf (2013 - 2021), Jetta (após 2011), Passat (2011 - 2015), Polo (após 2018), T-cross (após 2020), Taos (após 2022), Tiguan (2012 - 2021), Virtus (após 2018).



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LINHA LEVE



Audi: Motores 1.2 TDI, 1.4 TDI, 1.8 TFSI, 1.9 TDI, 2.0 TDI, 2.0 TFSI. A1, A2, A3, A4, A5, A6, A7, A8, Q2, Q3, Q5, Q7, TT.

Porsche: Cayenne S 4.5, Cayenne Turbo 4.5, Cayenne Turbo S 4.5.

038.919.081 - 038.919.081.C - 038.919.081.D

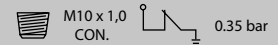
038.919.081.H - 038.919.081.K

VW: Motores 1.4 TDI, 1.8 TSI, 1.9 D, 2.0 TSI, 2.5 Beetle, EOS, CC (2012 - 2017), Fox (2004 - 2010), Fusca (2012 - 2016), Golf (2000 - 2001), Jetta (2015 - 2018), Passat (2008 - 2015), Polo (2003 - 2006), Tiguan (2017 - 2021).



33105

LINHA LEVE



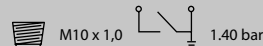
NUC00020

Land Rover: Defender Cabrio (1998 - 2016), Defender Pick-Up (LD) (1998 - 2016), Defender Station Wagon (LD) (1998 - 2016), Discovery II (LJ, LT) (1999 - 2004).



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LINHA LEVE



Audi: A1 2.0 TFSI quattro (2012), A3 2.0 FSI (2003 - 2008), 2.0 TFSI (2004 - 2012), A3 2.0 FSI (2004 - 2008), A4 Cabriolet 2.0 TFSI (2006 - 2009), A4 Avant 2.0 TFSI (2004 - 2008), A6 Avant 2.0 TFSI (2005 - 2011), A6 2.0 TFSI (2005 - 2011), A8 3.2 (2005 - 2010), Roadster 2.0 (2007 - 2010), Sportback 2.0 TFSI (2004 - 2013), Sportback S3 quattro (2008 - 2013), S3 quattro (2006 - 2012), TT 2.0 (2006 - 2010), 2.0 TFSI quattro (2004 - 2008), 3.2 FSI (2006 - 2009), 2.0 TFSI (2004 - 2008), 2.0 TFSI quattro (2004 - 2008), 2.4 (2004 - 2008), 2.4 (2005 - 2008), 2.5 RS (2009 - 2014), 3.2 FSI (2005 - 2008), 3.2 FSI quattro (2005 - 2008), 3.2 FSI (2005 - 2008), 3.2 TFSI (2004 - 2009), 3.2 FSI (2005 - 2008).

06D.919.081B

VW: Bora (2005 - 2010), Beetle 2.5 (2011 - 2019), EOS 2.0 FSI (2006 - 2008), 2.0 TFSI (2006 - 2015), Golf V 2.0 (2004 - 2008), 2.0 GTI (2006 - 2008), 2.5 (2007 - 2008), Golf VI 2.0 GTI (2011 - 2012), 2.0 (2009 - 2013), 2.5 (2009 - 2013), Jetta V 2.0 FSI (2005 - 2010), 2.0 TFSI (2005 - 2010), 2.5 (2006 - 2010), Jetta VI (2010), New Beetle 2.5 (2005 - 2010), Passat V 2.0 FSI (2005 - 2010), Variant 2.0 FSI (2005 - 2010), Scirocco 2.0 R (2009 - 2017), Touran 2.0 FSI (2003 - 2007).



33107

LINHA LEVE



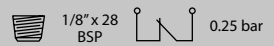
NUC10003

Land Rover: Defender Station Wagon (LD), Discovery I (LJ, LG), Freelander.



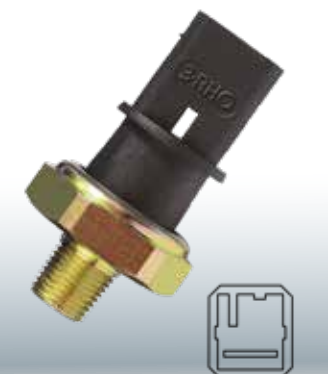
33108

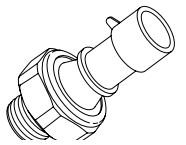
LINHA LEVE



2524070JE

Nissan: Frontier, March, Micra, Pathfinder.





33109

LINHA LEVE



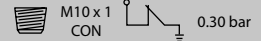
2897691

Cummins: Geradores K19, K38, K50, L10, L11, N14, NT855, M11.



33110

LINHA LEVE



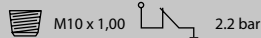
256915 - 420256915

Can-Am: Commander (1000, 1000R, 800, 800R, Max 1000, Max 1000R, Max 800R), Defender (HD10, HD5, HD8, Max HD10, Max HD8), Maverick (1000, 1000R, Max 1000R, Trail 1000R, Trail 800R, X3, X3 900 HO, X3 Max, X3 Max R, X3 R), Outlander (1000, 1000R, 400, 450, 500, 570, 650, 800R, 850, L 450, L 500, L 570, L MAX 450, L MAX 500, L MAX 570, Max 1000, Max 1000R, Max 400, Max 450, Max 500).



33111

LINHA LEVE



46337579

Fiat: Toro Diesel 2.0.

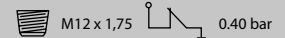
55233423 - 68096437AA - 68482988AA

Jeep: Renegade diesel 2.0, Compass diesel 2.0, Commander 2.0.



33112

LINHA LEVE



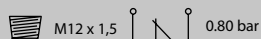
55508858

GM: Onix 1.0 3 cilindros, 1.0 turbo (após 2020), Montana 1.2 turbo, Tracker 1.0 turbo, 1.2 turbo (após 2021).



33113

LINHA PESADA



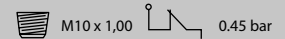
2374894 - 2848A071

JCB Caterpillar: Carregadeira IT14G, 914G, 910K, 914K, 920K. Compactadora de pavimento C13. Manipulador telescópico C4.4, TH336C, TH337C, TH406C, TH407C, TH514C, TH414C, TH417C. Motoniveladora 140 GC. Motor marinho CP11 GC, CS10, CS11, CS12. Motor industrial 3054C, C1.5, C2.2, C4.4, C7.1. Retroescavadeira 414E, 416, 416D, 416E, 416F, 416F2, 420, 420D, 420E, 420F, 420F2, 422E, 422F, 422F2, 424, 424D, 426F2, 428, 428D, 428E, 428F, 428F2, 430, 430D, 430E, 430F, 430F2, 432, 432D, 432E, 432F, 432F2, 434, 434E, 434F, 434F2, 442D, 442E, 444, 444E, 444F, 444F2.



33114

LINHA LEVE



Audi: A3 1.8 TFSI (2012 - 2016), A3 1.8 TFSI (após 2012), A4 1.8 TFSI (2011 - 2015), A5 1.8 TFSI (2011 - 2016), A5 1.8 TFSI Sportback (2011 - 2017), Q5 2.0 TFSI (2012 - 2016).

Seat: Leon 1.8 TSI (após 2013).

Skoda: Octavia III 1.8 TSI e 2.0 TSI (após 2012).

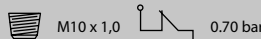
06L.919.081

VW: Golf 2.0 GTI (2013 - 2017), Jetta 2.0 TSi (após 2018), Passat 2.0 TSi (após 2015), Tiguan 2.0 TSi (após 2017).



33115

LINHA PESADA

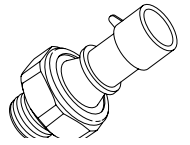


2852735 - 504085003 - 71451954

Case: Motores NEF Cummins, 430 - Mini carregadeira (02/05 - 12/08), 440 - Mini carregadeira (02/05 - 12/08), 440CT - Carregador compacto com rastros (03/06 12/07), 445CT - Carregador compacto com rastros (04/05 - 12/07), 450CT - Carregador compacto com rastros - BSN N7M464019 (04/05 - 12/07), 450CT - Carregador compacto com rastros - Séries 3 ASN N7M464019 (01/08 - 03/11), 585G - Empilhadeira (01/99 - 12/08) 586G - Empilhadeira (01/99 - 12/08), 588G - Empilhadeira (01/99 - 12/08), 621XS - Carregadeira sobre rodas (BR) (08/20 -), CX220B Escavadeira hidráulica (Brasil) (01/08 - 12/14), CX220C - Escavadeira de esteiras - Tier 3 (Brasil) (08/14 - 12/16),

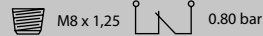
New Holland: Motores NEF Cummins, Escavadeira E175B (2007 - 2011), Escavadeira E175C 2010 a 2020, Escavadeira E215B (2006-2014), Escavadeira E215C (2010 - 2020), Escavadeira E245C (2010 - 2020), Escavadeira WE190B (2010 - 2015), Mini carregadeira C185 (2006 - 2011), Mini carregadeira C190 (2006 - 2011), Mini carregadeira L180 (2006-2011), Mini carregadeira L185 (2006 - 2011), Mini carregadeira L190 (2006 - 2011), Mini carregadeira LS190 (2004 - 2006), Pá carregadeira 12D EVO (2010 - 2022), Retroescavadeira B90B (2008 - 2019).





33117

LINHA PESADA



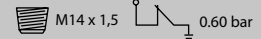
T421762

Perkins: Motores 403A-15, 403D-07, 403D-15, 403D-15T, 403D-17, 403F-15, 404A-22, 404D-22, 404D-22T, 404D-22TA, 404F-22.



33120

LINHA PESADA



504084983

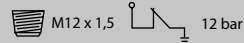
Case CNH: Mini carregadeira 430 (2005 - 2011), 440CT (2006 - 2011), SR200B (2011 - 2020), SR220 (2011 - 2020), SR250 (2011 - 2020), SR250B (2019 - 2020), SV250B (2019 - 2020), SV300B (2019 - 2020), SV340 (2016 - 2019), pá carregadeira 321E (2007 - 2014), retroescavadeira 580M (2000 - 2012), 580N (2010 - 2020), 580SM (1999 - 2008), 580SR (2004 - 2010), 580ST (2010 - 2021), 580T (2010 - 2020), 590SR (2004 - 2006), 590ST (2010 - 2017), 695ST (2012 - 2017).

New Holland: Mini carregadeira C185 (2006 - 2011), C190 (2006 - 2011), C227 (2013 - 2020), L220 (2010 - 2020), L225 (2011 - 2020), L230 (2010 - 2020), L323 (2010 - 2020), L325 (2010 - 2020), L330 (2010 - 2020), retroescavadeira B110 (2006 - 2017), B110B (2008 - 2021), B90B (2008 - 2021), B95 (2006 - 2017).



33118

LINHA PESADA



Interruptor de Pressão do Câmbio

86697300

Valtra: Trator BH144 (após 2017), BH145 G3 (após 2017), BH154 G4 (após 2017), BH165 G4 (após 2017), BH174 G4 (após 2017), BH180 G3 (após 2017), BH184 G4 (após 2018), BH194 G4 (após 2017), BH200 G3 (2013-2017), BH210 G3 (2013-2017), BH214 G4 (após 2017), BH224 G4 (após 2017).



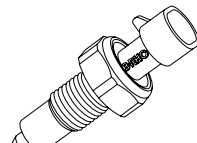


INTERRUPTORES DE LUZ DE RÉ

3-RHO

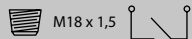
*REVERSING LIGHT SWITCHES
INTERRUPTORES DE LUZ DE RETROCESO*





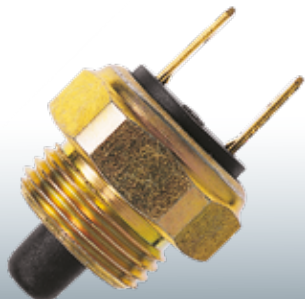
4411

LINHA LEVE



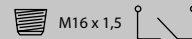
111.941.521-1 - 111.941.521-2

VW: Brasília, Fusca, Kombi, Puma, SP2, TC, TL, Variant.



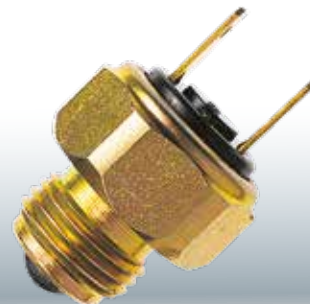
4412

LINHA LEVE



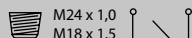
2121-37101.80

Lada: Laika, Niva, Samara.



4413

LINHA PESADA



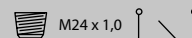
A344.545.01.06 - A345.545.70.06

Mercedes-Benz: Caminhões OH1313, 0326, 0364, 1214, 1618, ônibus.



4414

LINHA PESADA



A000.545.87.14

Mercedes-Benz: Caminhões 0370, 0371, ônibus.

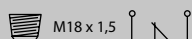
1662830

Volvo: B10M.



4415

LINHA LEVE



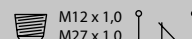
84210.98002

Toyota: Bandeirante.



4416

LINHA PESADA



A000.545.52.09 - A000.545.79.09

A000.545.83.09 - A001.545.11.09

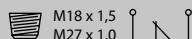
A001.545.27.09 - A001.545.53.09

Mercedes-Benz: Atego 1418 6 marchas, 709, 1214, 1218, 1417, 1418, 1420.



4417

LINHA PESADA



A000.545.71.06 - A005.545.71.06.ZF

Mercedes-Benz: 1618, 1620, 2423, 2428, com transmissão ZF 9S-75.

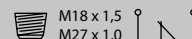
0501.313.916

ZF



4418

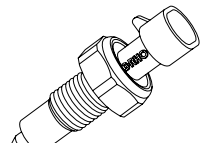
LINHA PESADA



130472

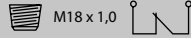
Scania: 112 - 10 marchas (1992 - 1997), 113.





4419

LINHA LEVE



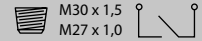
75MU.15520.A

Ford: Belina I (1971 - 1977), Corcel I.



4420

LINHA LEVE



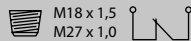
A004.545.27.14

Mercedes-Benz: Sprinter.



4421

LINHA PESADA



A000.545.75.06

Mercedes-Benz: 1418, 1420, 1520, 1618M, 1620, 1718A, 1718K, 1720, 1720K, L1218, L1418, L1620, LK1218, LK1418, LK1620, LK1623, LK1723, OF1318, OF1417, OF1618, OF1620, OF1721, OH1318, OH1418, OH1420, OH1421L, OH1621L.

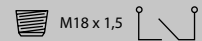
0501.204.721 - 0501.398.812

ZF: Caixa S5-680, S6-680, S5-820, S6-820.



4422

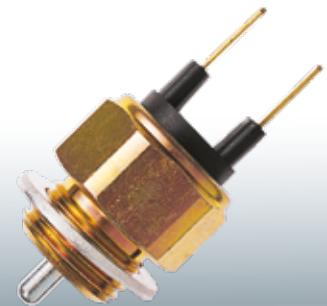
LINHA LEVE



Ford: Del Rey, Pampa, Royale, Versailles.

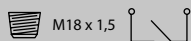
014.941.521-1

VW: Gol, Parati, Passat 5 marchas, Quantum, Santana, Saveiro, Voyage.



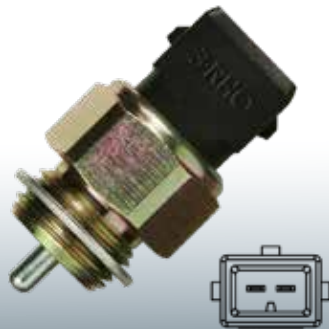
4423

LINHA LEVE



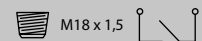
013.941.521-1

VW: Gol, Parati, Saveiro, Voyage (motor AT após 1996, 1.0, 8V e 16V).



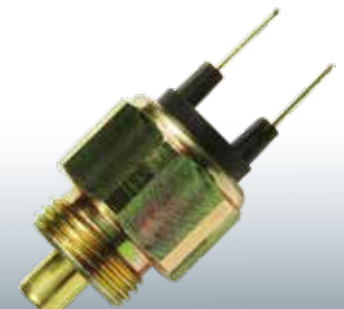
4424

LINHA PESADA



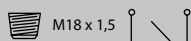
Ford: Caminhão F-1000, F-4000, F-12000, F-14000, Cargo 1317, 1517, 1521, 1717, 1722, 1932, 2422, 2428, 2622, 2628, 2632, 3132, C1317, C1517, C1521, C1717, C1722.

VW: Caminhão, ônibus 12140H, 14150, 14200, 14220, 16170, 16180, 16210, 16220, 24220, 24250, 35300.



4425

LINHA PESADA



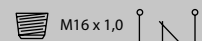
1590402 - 1594042

Volvo: Caminhões.



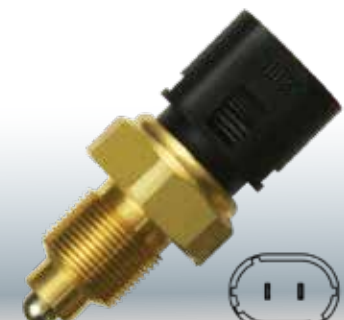
4426

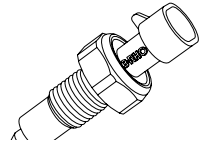
LINHA LEVE



77.00 778 781

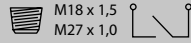
Renault: Clio, Traffic, Twingo.





4427

LINHA PESADA



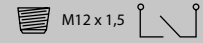
A001.545.44.14

Mercedes-Benz: Caminhões LK 1218, 1418, 1620, 1935, 2217, 2635.



4428

LINHA LEVE



Seat: Alhambra, Altea, Altea XL, Cordoba, Ibiza, Leon, Toledo.

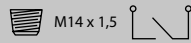
**02T.945.415 - 02T.945.415.D - 02T.945.415.E
02T.945.415.K - 02T.945.415.L - 02T.945.415.P
02T.945.415.Q**

VW: Bora (2001 - 2002), Fox (após 2004), Fusca (2012 - 2016), Gol (2006 - 2010), Golf (2000 - 2001), Nivus (após 2021), Parati (2006 - 2010), Polo (1997-2000 e após 2020), Saveiro (2006 - 2010), Spacefox (2006 - 2010), T-cross (após 2020), up! (2014 - 2017), Virtus (após 2018), Voyage (2009 - 2011).



4429

LINHA LEVE



96.018.110

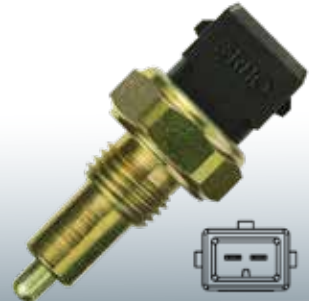
Citroen: Jumper 2.8 Aspirada (1999 - 2000), Jumper 2.8 Turbo (1999 - 2002).

9601811080 - 9609352480

Fiat: Ducato 2.5 Aspirada (1997 - 1999), Ducato 2.8 Aspirada (1999 - 2000), Ducato 2.8 Turbo (1999 - 2002).

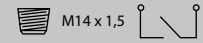
2257.34 - 2257.40

Peugeot: 106, 205, 206 1.0 16v, 306, 405, 406 Boxer 2.8 Aspirada (1999 - 2000), Boxer 2.8 Turbo (1999 - 2002).



4430

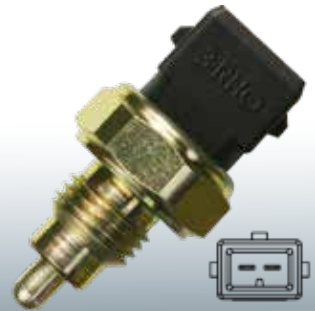
LINHA LEVE



2257.33 - 2257.41 - 96018108

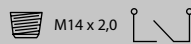
Citroen: Berlingo, Picasso, Xantia, XM, Xsara, ZX.

Peugeot: 106, 205, 206, 306, 309, 405, 406, 605, 806, Partner.



4431

LINHA LEVE

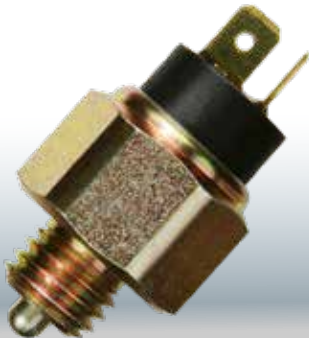


0317640A

Hyundai: Topic.

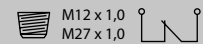
0317640A

Kia: Besta.



4432

LINHA PESADA



A001.545.12.09 - A001.545.28.09

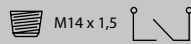
A005.545.80.09

Mercedes-Benz: 814, 914, 1114, 1218, 1418, caixa G3 55.



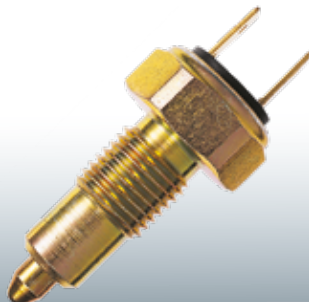
4433

LINHA LEVE



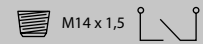
5.994.949

Fiat: 147, Elba, Fiorino, Oggi, Panorama, Prêmio, Spazio, Uno, (fabricados até 11/1991).



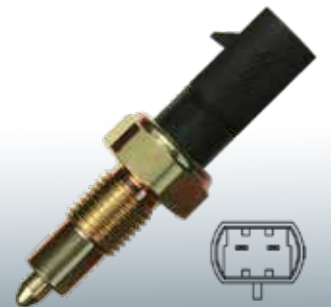
4434

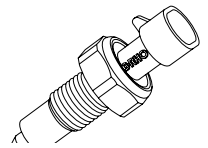
LINHA LEVE



5.997.492 - 7.580.559

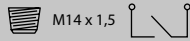
Fiat: Fiorino 1.5 (1994 - 1996), Uno Mille (1991 - 1995), Uno 1.5 (1991 - 1993), Uno 1.5i (1991 - 1996), Uno 1.6R (1990 - 1993), Uno 1.6iR (1993 - 1994).





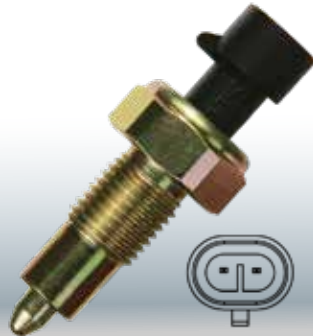
4435

LINHA LEVE



46410523 - 50004425 - 7.588.520

Fiat: Argo, Brava (2000 - 2003), Bravo (2011 - 2016), Coupe, Cronos, Doblo, Elba (1985 - 2004), Fiorino, Grand Siena (após 2012), Idea (2006 - 2016), Linea (2009 - 2016), Marea (1999 - 2007), Marea Weekend (1999 - 2007), Mobi, Palio (1996 - 2017), Premio (1985 - 1993), Punto (2013 - 2017), Siena (após 1996), Stilo (2003 - 2011), Strada (após 1996), Tempra (1992 - 1999), Tempra SW (1992 - 1999), Tipo 1.6 e 2.0, Uno (após 1985).



4436

LINHA LEVE



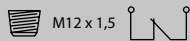
50.007.291

Fiat: Tempra (após 1996, exceto Stile).



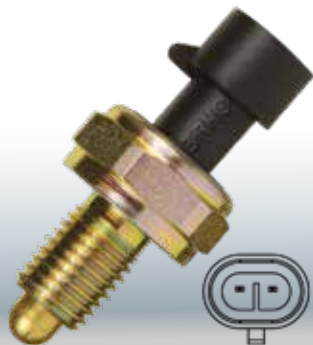
4437

LINHA LEVE



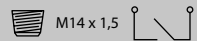
90.337.100

GM: Omega, Suprema (1993 - 1998).



4438

LINHA PESADA



6112004039001

Agrale: 13000 (após 2008), 14000 (após 2013), MA 12 (após 2009), MA 12.0 (após 2005), MA 15 (após 2009), Volare W12 (após 2009).

22940

Eaton: Caixas: FS-5306A, FS-6206A, FS-6306A.

7149116

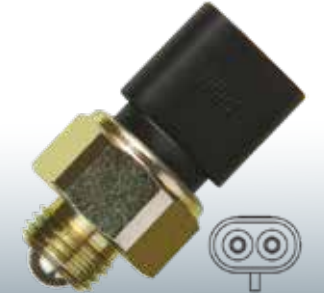
Iveco: Caminhões: Tector Euro 3 170E22, 170E25, 240E25 (2010 - 2011), Eurocargo 160E21, 160E23, 170E22, 170E24, 230E22, 230E24, 260E25 (1998 - 2012) ônibus CC118E220, CC170E220.

A001.545.03.09 - A001.545.43.09 - A002.540.32.45

Mercedes-Benz: L1621, L2318, L2418, LK1721.

2RP.941.521

VW: Caminhão 7.110.



4439

LINHA LEVE



Audi: A3, TT.

Seat: Córdoba, Ibiza, Inca, Leon, Toledo.

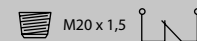
02A.945.413 - 02A.945.413.B - 02A.945.413.C

VW: Corrado, Golf, New Beetle, Passat, Polo, Polo Classic (após de 1997), Van, Vento.



4441

LINHA PESADA



A001.545.17.09 - A001.545.47.09 - A001.545.74.09
A002.545.02.09

Mercedes-Benz: Pode se aplicado na ré, neutro, tucho ou tomada de força. Accelo: 1016, 915 C, Atron 1319, 1624, 2324 6x2, 2729 6x4. Actros: 2544 6x2, 2546 6x2, 2548 6x2, 2644 6x4, 2646 6x4, 2648 6x4, 2651 6x4, 2655 6x4, 2660 6x4, 4144 8x4, 4844 8x4, 4848 8x4.

Caminhões: 1215-C, 1318, 1718, 1718-M, 1938, 1938 6x2, 1944, 1944, 2428, 6x4, 2726 6x4, 2726-B 6x4, 2726-K 6x4, 915-E, L 2638, L 2638 6x4, L-1218 Eletrônico, L-1318, L-1418 Eletrônico, L-1620 4x2, L-1620 6x2 Eletrônico, L-1620 6x2 Mecânico, L-1622 4x2, L-1622 6x2 Eletrônico, L-1624 4x2, LK-1218 Eletrônico, LK-1620, LO-914, LO-915, LO-915 Eletrônico, LS-1938, LS-2638.

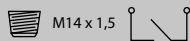
Ônibus: 0-500-M 1725, 0-500-M 1726, 0-500-M 1728, 0-500-M 1826, 0-500-RS 1636, 0-500-RS 1636 Euro 5, 0-500-RS 1735, 0-500-RS 1833, 0-500-RS 1835 Euro 5, 0-500-RS 1836 Euro 5, 0-500-RSD 2036, 0-500-RSD 2042, 0-500-RSD 2236, 0-500-RSD 2336, 0-500-RSD 2436 Euro 5, 0-500-RSD 2442, 0-500-RSD 2443 Euro 5, 0-500-RSD 2736, 0-500-RSD 2736 Euro 5, 0-500-RSD 2742, 0-500-RSD 2743 Euro 5, 0-500-U 1725, 0-500-U 1726, 0-500-U 1826, OF-1115, OF-1218, OF-1219, OF-1417, OF-1418, OF-1519 Euro 5, OF-1721, OF-1721 Euro 5, OF-1722, OF-1723, OF-1724, OH-1418 Eletrônico, OH-1420, OH-1518, OH-1519, OH-1520, OH-1521, OH-1523, OH-1621-L, OH-1622-L, OH-1623-L, OH-1626-L. Atego: 1315, 1418, 1419, 1518, 1718, 1719, 1723, 1725, 1725 4x4, 1726, 1726 4x4, 1728, 1729, 2423 6x2, 2425 6x2, 2426 6x2, 2428 6x2, 2429 6x2.

Axor: 1933, 1933 Euro 5, 2035, 2036, 2040, 2041, 2044, 2533 6x2, 2533 6x2 Euro 5, 2535 6x2, 2536 6x2, 2540 6x2, 2540 6x2 Euro 5, 2541 6x2, 2544 6x2, 2544 6x2 Euro 5, 2640 6x4, 2641 6x4, 2644, 6x4, 2644 6x4 Euro 5, 2825 6x4, 2826 6x4, 2828 6x4, 2831 6x4, 2831 6x4 Euro 5, 3340 6x4, 3341 6x4, 3344 6x4, 3344 6x4 Euro 5, 4140 6x4, 4141 6x4, 4144 6x4, 4144 6x4 Euro 5.



4440

LINHA LEVE



M474114 - MW30899625

Mitsubishi: Carisma, Space Star.

32005.00QA

Nissan: Interstar, Kubistar, Primastar.

4410080 - 4414385

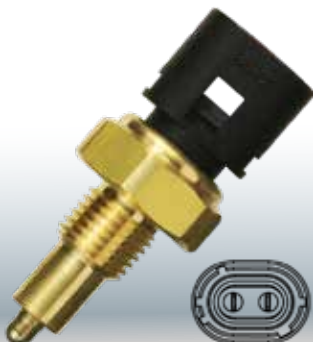
Opel: Movano, Vivaro.

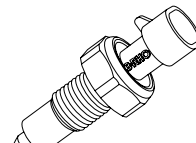
7700422630 - 7700778780 - 7700802640

Renault: 19, 21, Avantime, Clio, Espace, Kangoo, Laguna, Master, Megane, Modus, Rapid, Safrane, Scenic, Super 5, Trafic II, Twingo.

30899625 - 3474114.0

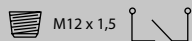
Volvo: 440, 460, 480, S40, V40.



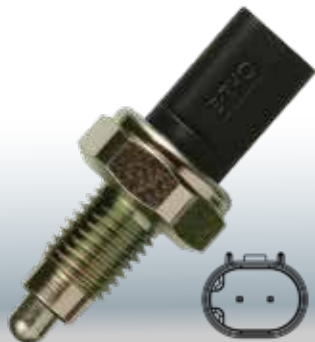


4442

LINHA LEVE

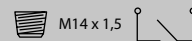


A.168.545.01.14
Mercedes-Benz: Classe A.



4443

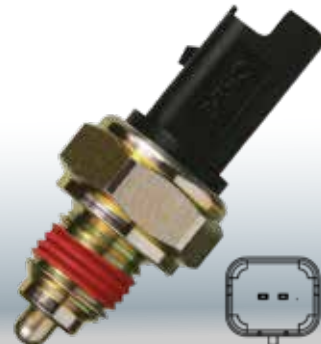
LINHA LEVE



2257.52
Citroen: Berlingo 1.6 16V, DS3, DS4, DS5, C4 2.0, C4 Pallas 2.0, Grand Picasso 2.0, Picasso 2.0, Xantia, Xsara.

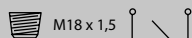
2257.59
Peugeot: 206 1.0, 307 2.0, 3008 THP, RCZ THP.

Suzuki: Liana.

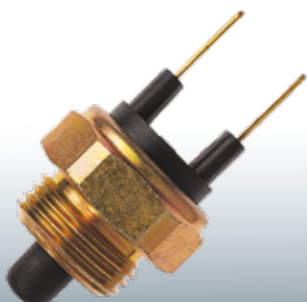


4444

LINHA LEVE

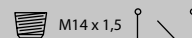


081.941.521.1
VW: Câmbio 4 marchas. Brasília, Fusca, Gol, Kombi, Parati, Passat, SP2, Voyage.



4445

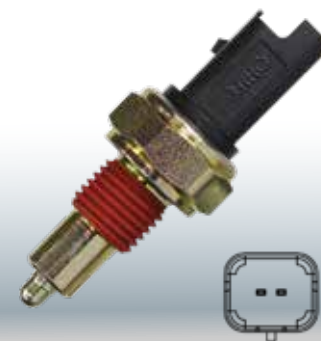
LINHA LEVE



2257.42 - 2257.53
Citroen: C3, DS3, DS4, DS5, Jumper, Saxo, Xantia, XM, Xsara.
963.387.5680 - 965.987.0380 - 966.290.6780
Fiat: Ducato.

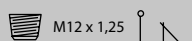
Peugeot: 106, 206 1.4 e 1.6, 207, 208, 306 1.6, 307 1.6, 308 1.6, Boxer 2.8.

320054913R - 8200209496 - 8200771472
Renault: Kwid, Logan, Master, Sandero.



4446

LINHA LEVE

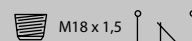


MD 730709
Mitsubishi: L200.

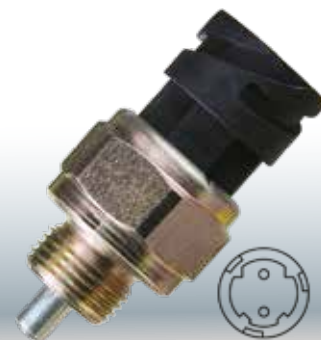


4447

LINHA PESADA

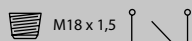


1662926 - 20853399 - 21095380 - 21318083
85116453
Volvo: Luz de neutro. Caminhões EDC, FH12, NH12, câmbio ZF.

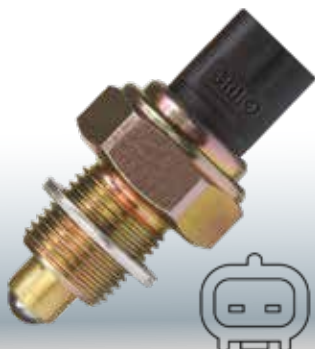


4448

LINHA LEVE

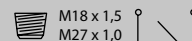


28700-PWL-003
Honda: Civic, City, Fit.



4449

LINHA PESADA



A001.545.16.14
Mercedes-Benz: Caminhões 1524, 1525, 1622, 1638, 1638S, 1718K, 1720K, 1929, 1932, 1933, 1934, 2423B, 2423K, L1632, L1634, L1638, L1935, L1938, L1942, L2638, LK1218, LK1418, LK1620, LK2638, LS1632, LS1634, LS1638, LS1942, LS2638, LKS2638, HPN1625, HPN2325.

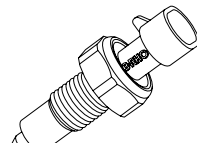
212001278
Randon: RK 425, RK 430.

Scania: LT110, LT111, LS110, LS111.

1662762
Volvo: N10, N12.

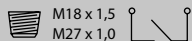
0501.305.443 - 0501.331.663 - 0501.311.807
ZF: Caixas ZF: 9S-75, 8S-1350, 16S-1300, 16S-1600, 16S-1650, 5S-680, 56-680.





4450

LINHA PESADA



A004.545.61.14

Mercedes-Benz: Caminhões Accelo, 712C, L0914, 914C, 914, 1215C eletrônico.

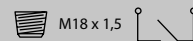
0501.311.809

ZF: Caixa S5-42.



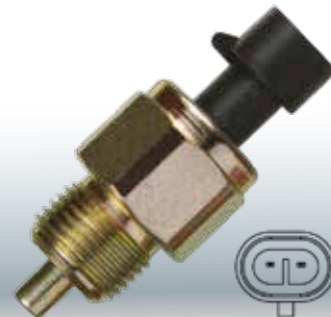
4451

LINHA LEVE



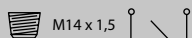
46410524 - 55203408

Fiat: 500 1.4 (2010 - 2014), Doblo 1.6 (2004 - 2005), Grand Siena 1.4 (após 2013), Palio 1.4 (após 2012), Palio 1.0 6 marchas, Palio Weekend 1.0 6 marchas, Siena 1.0 6 marchas.



4452

LINHA LEVE



96068066

GM: Tracker (2007 - 2009).

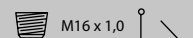
37610-83001

Suzuki: Vitara.



4453

LINHA LEVE



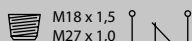
XS4T.15520.AA - XS4Z.15520.A - XZ4T.15520.AA

Ford: Focus 2.0, Mondeo.



4454

LINHA PESADA



A000.545.42.14 - A001.545.47.14

A001.545.57.09 - A001.545.82.14

Mercedes-Benz: Caminhões Atego, Axor, ônibus.

1303471 - 1541086 - 343795 - 370710

Scania: Caminhão série 4, P, G, R, T, caixas GRS 890/R, GRS 920/R, GRSO 900/R.

1620905 - 0641959

Daf: CF, CF 75, CF 85, XF, XF 95, XF 105, YTZ.

81255036119 - 81255050236 - 81255050239

81255050426 - 81255056110 - 81255050636

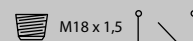
81255200050

Man: E2000, F90, F2000, M90, M2000M, TGA.



4455

LINHA LEVE



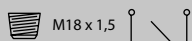
079N.U15520.A

Ford: Belina II, Corcel II, Del Rey, Pampa, Scala, (câmbio 5 marchas).



4456

LINHA PESADA



500056192

Iveco: Vertis.

A 000.545.94.06

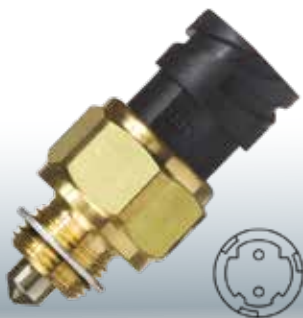
Mercedes-Benz: Accelo 815, Accelo 1016, LO 815, LO 915.

2R0.941.521.A - 2R0.941.521.B

VW: Caminhão: 8-160, 9-150, ônibus 8-150.

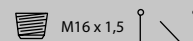
0501.210.785 - 0501.398.869

ZF



4457

LINHA PESADA



2771532

Eaton

BH3X-15520-AA

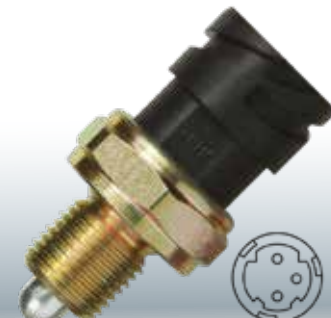
Ford: Cargo 1729, 2429.

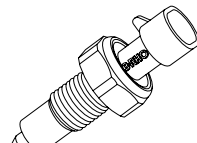
A000.261.03.91

Mercedes-Benz: L1622, L1624, 1718, 2423.

20519883

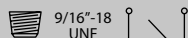
Volvo: VM 17, VM 23, VM 210, VM 270.





4458

LINHA PESADA



6007.011.346.00.3

Agrale: 6000 MWM 4-10 TCA, 7500, 7500 MWM 4.10 TCA, 8500, 9200, Furgovan 8000, MA 7.5, MA 7.9, MA 8.5, MA 9.2, MA 10, MA 10.0, Volare A8 e W8.

3315631

Eaton: Caixas: FS04305A, FS04305C, FS04405A, FS04405C, FS04505C, FS4005A, FS4205A, FS5005A, FS5205A, FS5505C, RT11710B, RT7608LL, RT8609A, RT8908LL.

BF7T.15520.A - BF8T.15520.A - C9TZ.15520.C F4TB.15520.AA - 6LSZ.15520.A - 88HU.15520.AA

Ford: Explorer (1992 - 2000), Caminhões F4000, F12000, F14000 (1993 - 1998), Cargo leve (eletrônico 2005 +, mecânico 1996 +), Cargo médio/pesado - eletrônico (2005 - 2011), mecânico (1991 - 2006), novo Cargo médio/pesado, ônibus B1618, B1621, Ranger (V6, 2.5 diesel).

GM: Caminhão 6 - 150.

International: 4900.

Iveco: 150T.

A000.545.82.06 - A005.545.73.14

Mercedes-Benz: Caminhão 710, Accelo 915C, ônibus L0712, L0812, L0814.

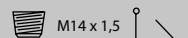
TJG.312.115 - TJG.941.521 - 2R0.941.521

VW: 7-100, 8-120, 12-140T, 13-150, 13-180, 15-180, 17-210, 17-300, 17-310, 23-310, 24-220, 24-250, 26-220, 26-260, 26-300, 26-310, 31-260, 31-310, 35-300, 40-300.



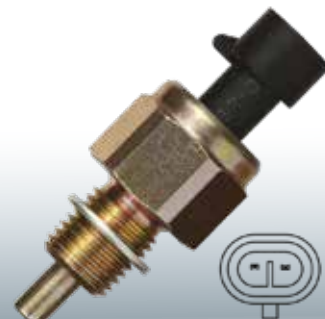
4459

LINHA LEVE



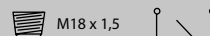
4846676

Iveco: Daily 2.8 3510, 3513, 3813, 4012, 4013, 4910, 4912, 5013, 5912, 6012, 6013, 7012, 7013 (1997 - 2007).



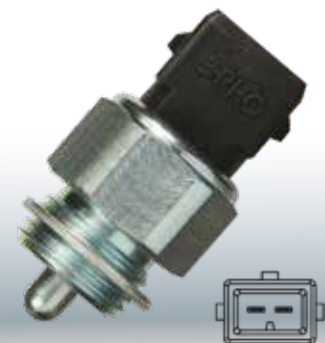
4460

LINHA LEVE



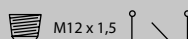
013.945.415.A

VW: Gol (1994 - 2006), Parati (1996 - 2002), Santana (1984 - 2006), Saveiro (1994 - 2002). Caminhões: 18.310 (2002 - 2006), Constellation 13.180 (2010-2012), 13.190 (após 2012), 15.180 (2006 - 2012), 15.190 (2012 - 2019), 17.190 (2012 - 2018), 17.250 (2006 - 2012), 17.280 (após 2012), 17.230 (2015-2018), 17.330 (2012 - 2018), 19.320 (2002-2016) 19.330 (2013 - 2018), 19.360 (2016 - 2020), 19.370 (2007 - 2012), 19.420 (2014 - 2020), 23.230 (após 2014), 24.250 (2006 - 2014), 24.280 (2011 - 2022) 24.330 (2012 - 2019), 25.320 (2008 - 2012), 25.370 (2008 - 2012) 25.390 (2012 - 2018), 25.420 (2014-2018), 26.280 (2011 - 2016), 26.370 (2011 - 2012), 26.390 (2012 - 2018), 26.420 (2012 - 2018), 31.280 (2012 - 2018), 31.320 (2007 - 2012), 31.330 (após 2012), 31.370 (2007 - 2012), 31.390 (2012 - 2018).



4461

LINHA LEVE



3348746

Eaton

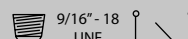
BG1T 15520-A

Ford: Ranger 2.8 e 3.0 diesel, 2.3 gasolina.



4464

LINHA PESADA



6006.004.190.00.6

Agrale: Caminhões: 6500, 8500, 8700, 10000, MA 15, MA 8.5 TCE, MA 8.7, MT 15.0, MT 17, V8, Volare A5, Volare A6, Volare V5, Volare V6, W8, W9.

4304808

Eaton: Caixas FS2305C, FS4205A, FS5205A FS5306A, FS5406A, FS6306B, FS6406A, FSB5405A FSB5406A, FSB6206A, FSB6206B, FSB6406A, FSB6406B, FSB6406BE, FSB06206A, FSB06406A, FSB09406AE, FS04305C, FS04405C, FS04505C, RT7608LL, RT8908LL.

Aplicados em veículos VW, Ford e Agrale. Obs: em algumas caixas, é usado como interruptor de engate da 1ª marcha.

F7HT.15520.CB - F7HZ.15520.CB

Ford: Caminhões F12000, F14000, F16000.

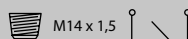
2W0.941.521

VW: Caminhões: 5-140, 8-120, 8-150, 8.150E, 9.150E, 13.170E, 13.180E, 13.190, 13.190E, 15-170E, 15.180E, 15-190, 15.190E, 17-190, 17.190E, 17-210E, 17-230E, 17-250E, 17-260, 17-260E, 18-310, 18-320E, 18-330, 18-330E, 23-210E, 23-250E, 24-250E, 24-260, 24-260E, 26-260, 26-260E, 31-260E, ônibus.



4463

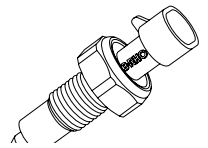
LINHA LEVE



0091317640

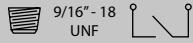
Kia: Besta 2.2.





4465

LINHA LEVE

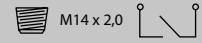


BF8T-15520-A
Ford: F250, F350, F4000.



4466

LINHA LEVE

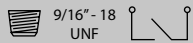


7.316.598 - 93.236.444
GM: Blazer 2.2, 2.4, 2.5 (1995 - 2001), Caravan, Chevette, Chevette Hatch, Chevette Júnior, Chery 500, Comodoro, D20, D40, D60, Diplomata, Marajó, Opala, S10, Silverado.



4467

LINHA PESADA

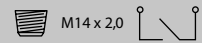


TE3.941.521
VW: Caminhões (até 1986), ônibus.



4468

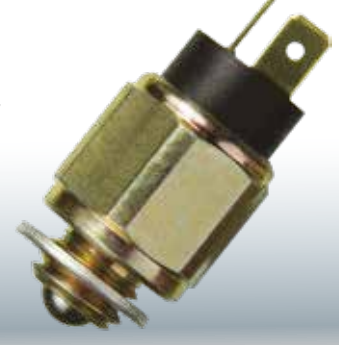
LINHA PESADA



Ford: F1000, F4000, F7000, F11000, F12000, F14000.

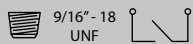
GMC: 6-100, 6-150 (Câmbio Eaton).

TE6.941.521
VW: Caminhões (após 1986), 7-90S, 7-110S, 11-130, 12-140, 12-170, 13-130, 14-140, 14-150, 16-170, 16-180, ônibus.

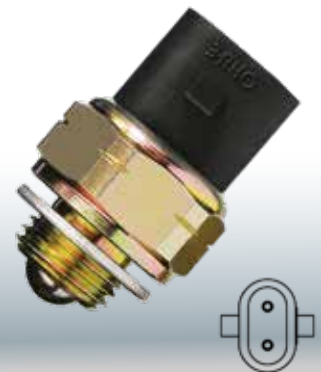


4469

LINHA PESADA

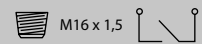


3003451
Eaton
6LSZ.15520.A - 88HU.15520.AA - C9TZ.15520-C
F4TB.15520.AA
Ford: Caminhões Cargo, F1000, F4000, F12000, F14000, ônibus B 1618, B 1621.
VW: Caminhões, ônibus.



4470

LINHA LEVE

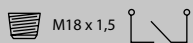


23049569
GM: Blazer 2.8 diesel e 4.3 V6 (1996 - 2011), S10.

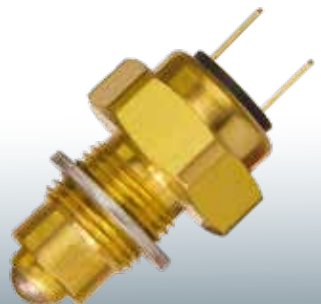


4471

LINHA LEVE

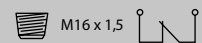


84210.98003
Toyota: Bandeirante (após 1994).



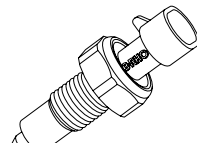
4472

LINHA PESADA



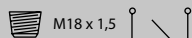
A 631.545.00.06
Mercedes-Benz: MB100, MB140, MB160, MB180.





4473

LINHA LEVE



84210.12040 - 84210.04010 - 84210.52050

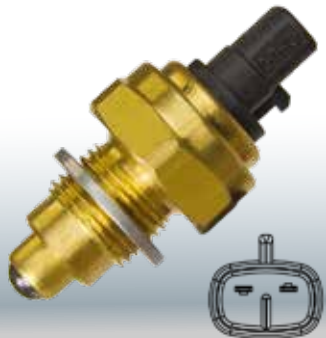
84210.0K010 - 84222.12010

Toyota: Auris, Avensis, Camry, Carina, Celica, Corolla, Hilux SW4 3.0, 4 Runner, Land Cruiser, Paseo, Previa, Dyna, Echo, FJ Cruiser, Hiace, Liteace, Matrix, Modell, MR 2, Picinic, RAV-4, Starlet, T100, Tacoma, Tarago, Tercel, Truck, Tundra, Urban, Verso, Yaris.

Daihatsu: Charade.

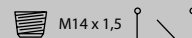
99761318000 - 99761318001

Porsche: 911 V 3.6 (Carrera, Carrega 4), 911 V 3.8 (Carrera S, Carrera 4S, Carrera 4 GTS).



4474

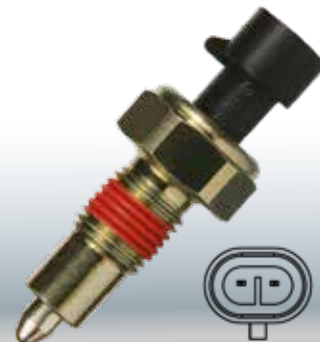
LINHA LEVE



60811423

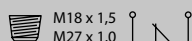
Alfa Romeo: 145, 146, 147, 155, 156, GT, GTV, Spider.

Lancia: Dedra, Delta, Lybra, Musa, Prisma, Ypsilon.



4475

LINHA PESADA



A004.545.61.14

Mercedes-Benz: 712C, 914C, 1215C, L0914.

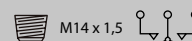
0501.216.473 - 0501.219.861

ZF



4476

LINHA LEVE



Original plugue verde.

32005-00QAD - 32005-00QAE

32005-00QAEK - 32005-AX000

Nissan: Almera, Livina, March, Micra, Qashqai, Sentra, Tiida, Versa, X-Trail.

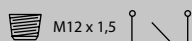
8200008194 - 8200177718

Renault: Duster, Fluence, Grand Scenic, Laguna, Logan, Megane, Sandero, Scenic, Trafic.



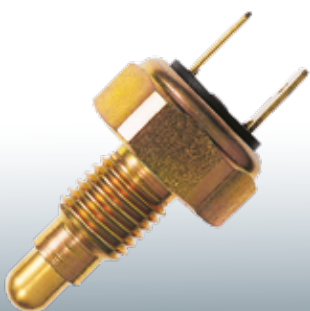
4477

LINHA LEVE



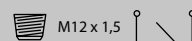
90.069.100

GM: Ipanema, Kadet (1989 - 1998), Monza.



4478

LINHA LEVE



24.261.926 - 90.245.033 - 90.482.454

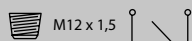
93.329.852 - 93.371.760 - 94.770.529

GM: Agile, Astra, Blazer (diesel e gasolina), Calibra, Celta, Corsa (Wind, Sedan, Wagon, Pick-up), Kadett (1998), Meriva, Montana, Prisma, S10, Tigra, Vectra, Zafira.



4479

LINHA LEVE



015301960AA

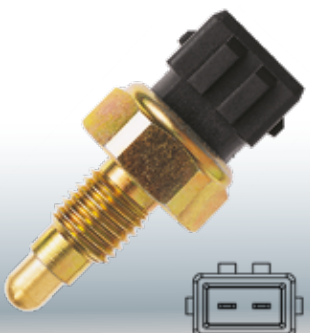
Chery: Celer.

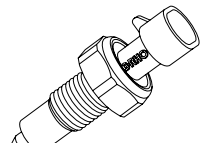
Ford: Escort, Escort SW, Verona, modelos com injeção eletrônica.

002.945.415.A - 002.945.415.B - 020.945.415.A

005.566.119 - 547.941.521

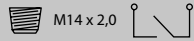
VW: Apollo, Logus, Pointer, Golf (1992 - 1995) modelos com injeção eletrônica.





4480

LINHA PESADA



15.566.155 - 07.316.598

GM: Caminhão, 12.170, 14-190, 15-190, 16-220, série A, C, D.

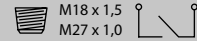
020.945.415.A

VW



4481

LINHA PESADA



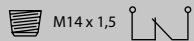
A003.545.16.14

Mercedes-Benz: LK1218, 1418, 1524, 1525, 1620, 1718, 1720, 1929, 1932, 1933, 1934.



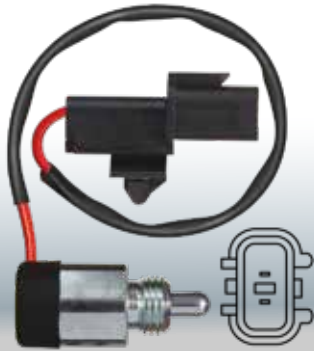
4482

LINHA LEVE



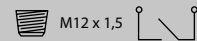
ME581047

Mitsubishi: L200, Pajero.



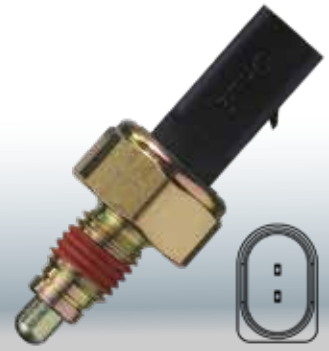
4483

LINHA LEVE



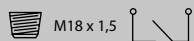
02T.945.415P

Audi: A1, A2, A3, Q3, TT, S3.



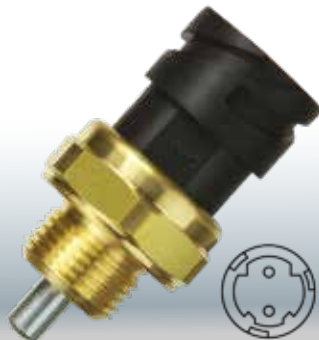
4484

LINHA PESADA



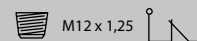
A005.545.45.14

Mercedes-Benz: Caminhões: 0400, 0500R, 0F-1730, 0F-1732, 2423K.



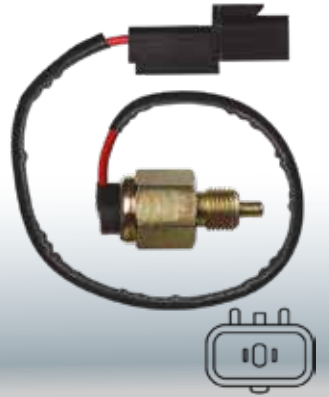
4485

LINHA LEVE



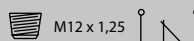
93860.4A010

Hyundai: HR, H100.



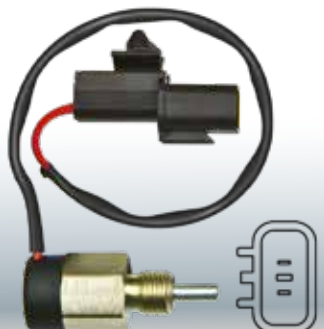
4486

LINHA LEVE



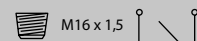
MR410768 - MR111481

Mitsubishi: TR4.



4487

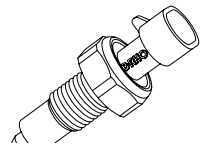
LINHA LEVE



2N15.15520.AA - 2N15.15520.AB

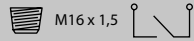
Ford: Ecosport 2.0, Focus 2.0.





4488

LINHA LEVE

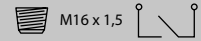


77FG.15520.AA
Ford: Escort, Verona 1.6.
VW: Apollo 1.6.

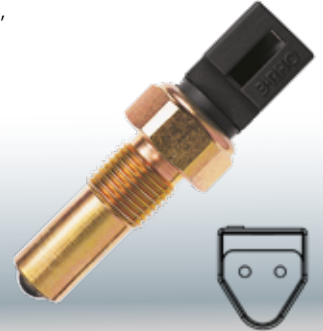


4489

LINHA LEVE

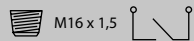


97FG.15520.AB - 97FG.15520.AC
YS61.15520.AB
Ford: Courier, Ecosport (Rocam), Escort (1997 - 2002),
 Fiesta (Rocam), Focus (2000 - 2009), Ka (Rocam).



4490

LINHA LEVE

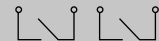


97FG.15520.A2A
Ford: Courier, Escort, Fiesta, Ka, Mondeo, Mondeo
 SW.



4491

LINHA LEVE

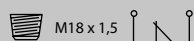


96WT.15520.BB
Ford: Courier 1.3, 1.4 (1996 - 1999), Escort 1.8, 2.0
 (1996 - 1999), Fiesta, Fiesta Sedan 1.0, 1.3, 1.4
 (1996 - 1999).



4492

LINHA PESADA

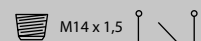


1420005 - 1472739
Scania: 93, 113, 143, série P, R, T.

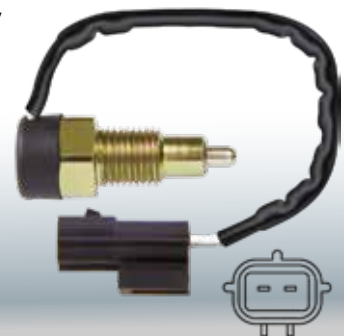


4493

LINHA LEVE

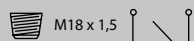


AMR 3918
Land Rover: Caixa R380. Defender (1995 - 2006),
 Discovery 1 (1995 - 1999), Discovery 2 (1998 - 2004),
 Range Rover (1995 - 2002).

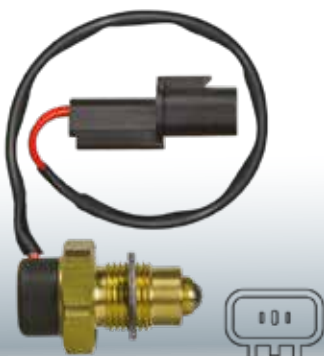


4494

LINHA LEVE

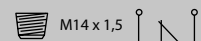


2501A052 - 8614A158
Mitsubishi: ASX, Dakar Flex manual, Lancer, L200
 Pajero, Triton Flex manual.

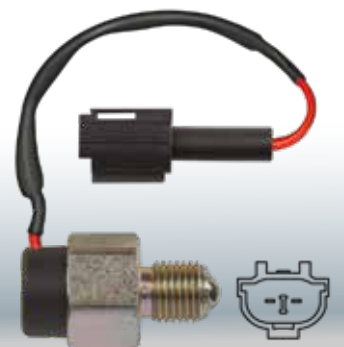


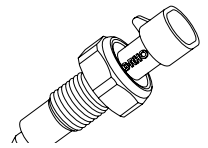
4495

LINHA PESADA



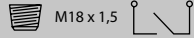
97165947
GM: Caminhão 5-90, 7- 110.



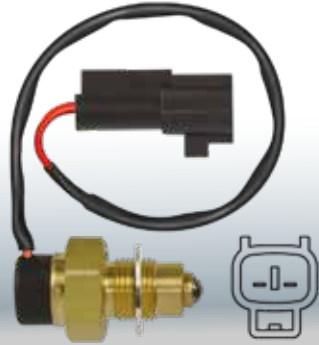


4496

LINHA LEVE

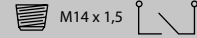


84210-71020
Toyota: Hilux.

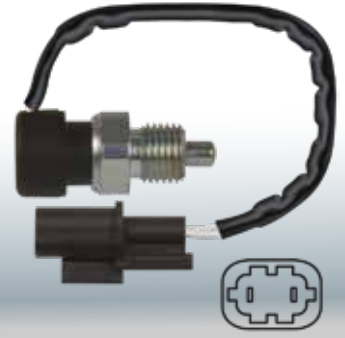


4497

LINHA LEVE

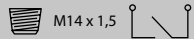


32005-CD10C
Nissan: Frontier 4x4.

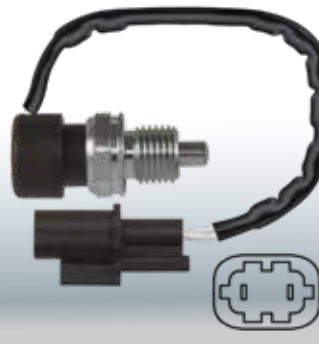


4498

LINHA LEVE

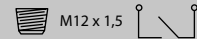


32005-CD10B
Nissan: Frontier 4x2.

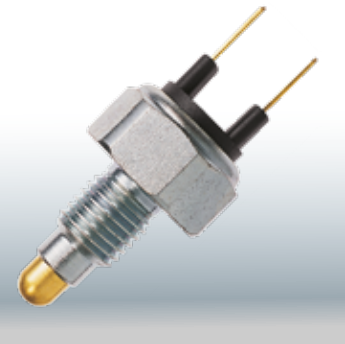


4499

LINHA LEVE

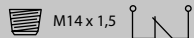


Ford: Escort, Verona.
020.941.521.A
VW: Apollo.

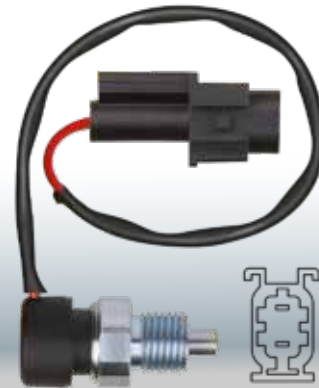


44100

LINHA LEVE

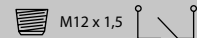


32006-CD10C
Nissan: Sensor de neutro.
Frontier 4x4.



44101

LINHA PESADA

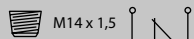


3348633
Eaton: Caixas FS01305A, FS01305B, FS02305B, FS02405B, FS02405J, FS02405K.
GMC: 3500 HD.
50335669
Iveco: Daily 35S14, 35S14 HD, 40S16, 45S14, 45S16, 55C16 (2008 - 2011).
Mitsubishi: L200 R (competição).
32005.65301
Nissan: Frontier diesel (após 2002).
Tac: Stark.
104241
Troller: Jipe, Pick-up.
10812916
Volare: Jipe, Pick-up.



44102

LINHA LEVE

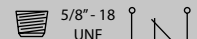


Chery: Tiggo.
93860-36100
Hyundai: I30, IX35, Accent, Atos Coupe, Elantra, Galloper, Genesis, H100, Lantra, Pony, Santa Fé, Santamo, Sonata, Terracan, Tucson, Veloster.
S1700L21069-40008
Jac Motors: J3, J6.
MD730979
Mitsubishi: 3000 GT, ASX, Carisma, Colt, Eclipse, Galant, Grandis, L200, L300, L400, Lancer, Outlander, Runner, Space, Space Star, Space Wagon.
30874168
Volvo: S40, V40.



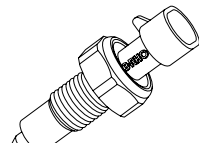
44103

LINHA PESADA



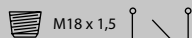
3361192 - 3344519
Eaton: Caixa FSO-4405A.
A000.545.89.06
Mercedes-Benz: Luz de neutro.
Caminhão 710, Accelo 915C, ônibus L0712, L0812.





44104

LINHA PESADA



1348509 - 1348850 - 1386191 - 1394465
 1423964 - 1423965 - 1423967 - 1423968
 1472273 - 1472738 - 1743180
Scania: Caminhões série P, G, R, T, ônibus série F, K, N, caixa G701 - Tomada de força EG 500/501/502/503P/F.

5592701

TRW

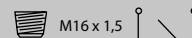
3197870 - 1078493

Volvo: FH, FM, FMX, NH, VM.

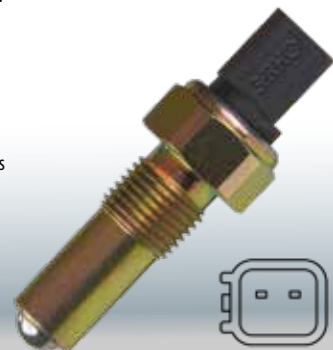


44105

LINHA LEVE

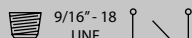


656T.15520.AA - 656Z.15520.AA - 9M5T.15520.AA
Ford: Ecosport 1.6 8V (2004 - 2012), Ecosport 1.6 16V (2012 - 2017), Ecosport 2.0 16V (2012 - 2017), Ecosport 1.5 12V (2017 - 2021), Fiesta 1.0 8V (2010-2014), Fiesta 1.6 8V (2010 - 2014), Focus 1.6 16V (2009 - 2013), Focus 2.0 16V (após 2013), New Fiesta 1.6 16V (2010 - 2019), New Fiesta 1.5 16V (2013 - 2016), New Fiesta 1.0 12V (2016 - 2019), Ka 1.0 8V (2006 - 2012), Ka 1.6 8V (06 - 2012), Ka 1.0 12V (após 2014).



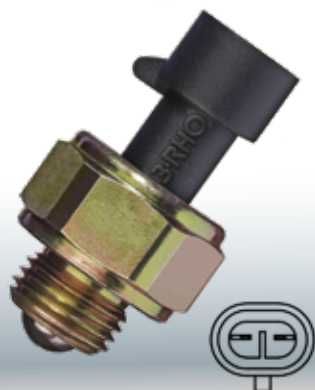
44106

LINHA PESADA



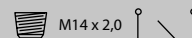
50335805

Iveco: Daily 70C16.



44107

LINHA LEVE



93860-02501

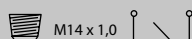
Kia: Picanto.

Hyundai: HB20.



44108

LINHA LEVE



4C1T.15520.AA - 4C1T.15520.AB
 CM5T.15520.CA

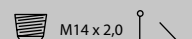
Ford: Ranger 2.5 Flex 16V (2016 - 2019), Ranger 3.2 Diesel (2016 - 2019), Ranger 2.2 Diesel (2016-2019), Transit 2.0 (após 09/2021) Transit 2.2 (2012 - 2015), Transit 2.4 (2009 - 2013).

Troller: T4 3.2 16V (2012 - 2019).



44109

LINHA LEVE



93860-49600 - 93860-49650

Hyundai: Accent, Creta, Elantra, HR, Ix35, H100, I30, Santa Fé, Sonata, Terracan, Tucson, Veloster.

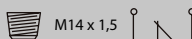
93860-49600 - 93860-49650 - OK30A-17640

Kia: Bongo, Carens, Carnival, Ceed, Cerato, Rio, Sorento, Soul, Sportage.



44110

LINHA LEVE



93860-39003 - 93860-39011 - 93860-39012

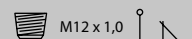
Hyundai: Accent, Coupe, Elantra, Getz, I30, Ix35, Matrix, Sonata, Trajet, Tucson, Veloster, XG.

Kia: Cerato, Joice, K2500, Magentis, Soul, Sportage.



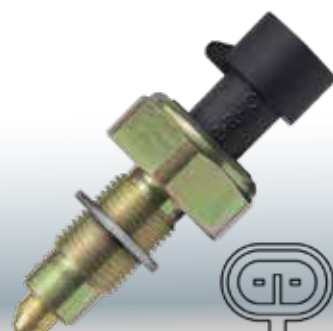
44111

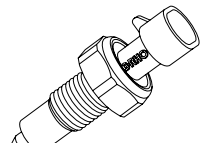
LINHA PESADA



500056315

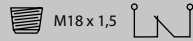
Iveco: Daily 3.0 Euro 5 35S14, 35S14 HD, 40S14, 45S17, 50C17, 55C17, 70C17, 70C17 HD (após 2012).





44112

LINHA LEVE



93170-86111
Hyundai: H100.
Kia: Bongo, K2500, K3000.

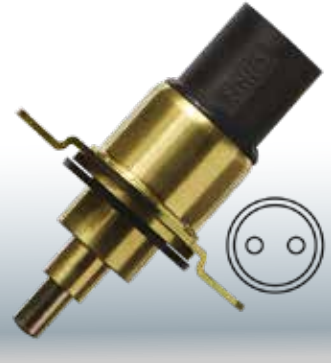


44113

LINHA PESADA

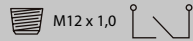


1578866
Volvo: Ônibus B10M, B58, B7R.

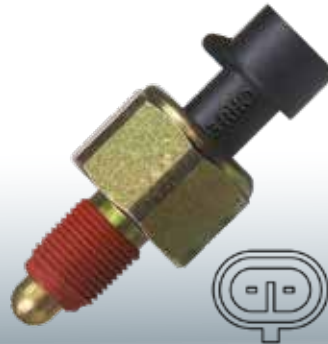


44114

LINHA LEVE

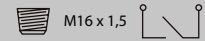


46434553 - 60814251
Alfa Romeo: 145, 147, 156, 166, GT, GTV, Giulietta Mito, Spider.
 46434553 - 60814251 - K68097162AA
 K68110115AA
Fiat: Bravo T-Jet Marea Turbo, Marea Weekend Turbo, Stilo Abarth 2.4, Toro.
 60814251 - 46434553
Lancia: Kappa, Lybra, Thesis.

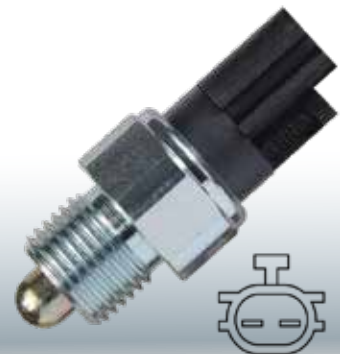


44115

LINHA LEVE

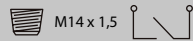


320056J00A
Renault: Megane 2.0, Scénic 2.0.

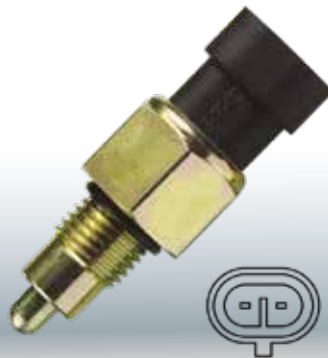


44116

LINHA LEVE

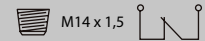


511-3729011
Chery: QQ.

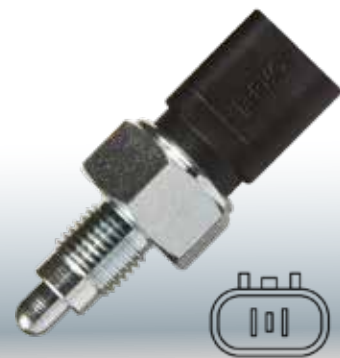


44117

LINHA LEVE

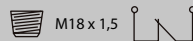


QR523-3729500
Chery: Tiggo.

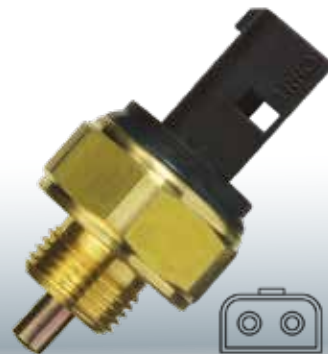


44118

LINHA PESADA

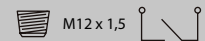


3944080
Volvo: Volvo F, FL, NL 10, FH, FM, FMX, NH 9/10/11/12/13/16, FH 12, FH 16, ônibus 9/11/12/13 (motor D/DH) B 9 R, B 12, B 5/6/7 B 7/10/12 (motores TD/THD), B 10 B /BLE, B 10 M, B 12 G 7-EGS, G 8-EGS/MGS.

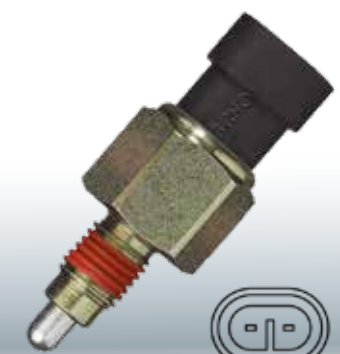


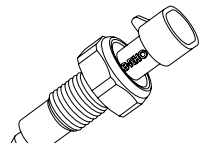
44119

LINHA LEVE



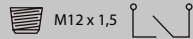
55577819 - 55583570
GM: Versão com veda-rosca.
 Agile (2014), Cobalt (2012 - 2017), Cruze (2012 - 2016), Montana (2014 - 2016), Onix (2013 - 2017), Prisma (2013 - 2017), Spin (2013 - 2016), Ônix 2ª geração (manual 6 marchas).





44120

LINHA LEVE



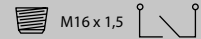
52104688

GM: Versão com arruela. Cobalt (após 2017), Onix (após 2018), Prisma (após 2017), Spin (após 2014).



44121

LINHA LEVE



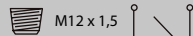
37610-68K00 - 37610-76G10

Suzuki: Alto VII, Celerio, Grand Vitara II, Ignis, Jimny, Liana, Splash, Swift III, IV e V, SX4 I, II, Vitara IV, Wagon R III.



44122

LINHA LEVE



Audi: A1 (após 2012), A3 (após 2017) S3 (após 2017), TT (após 2007).

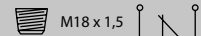
02K.945.415.K

VW: Amarok (2010 - 2012), CC (2012 - 2017), Fusca (2012 - 2016), Golf (2013 - 2017), Jetta (2005 - 2007), New Beetle (2006 - 2010), Polo (após 2005), up! (2014 - 2017), Virtus (após 2018).



44123

LINHA PESADA



6020004190007

Agrale: Aplicado como interruptor de neutro. A10000 (após 2018), A8700 (após 2018), MA 9.2 (após 2023), MA 10.0 (após 2017), MA 11.0 (após 2022), MA 10700 (após 2022), micro-onibus A10000 (após 2023), A8700 (após 2023), Access (após 2023), Attack 8 (após 2023), Attack 9 (após 2023), Fly 10 (após 2023).

3364121

Eaton: Caixas ES04106A, EA06106, ES06206, ES06106A, ES06106.

Mercedes-Benz: Accelo.

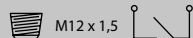
23B.919.823

VW: Aplicado como interruptor de neutro. Delivery: 4-150 (após 2017), 6-160 (após 2017), 9-170 (após 2017), 11-180 (após 2017), 13-180 (após 2018), Express (após 2017).



44124

LINHA LEVE



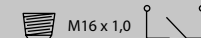
95028604

GM: Sonic manual (2012 - 2014), Tracker manual (2014).



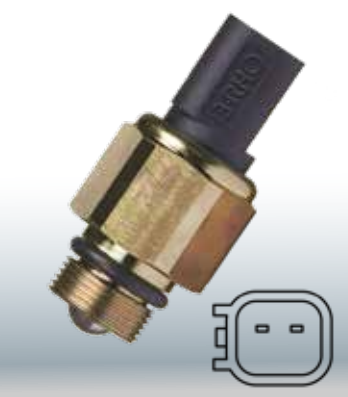
44125

LINHA LEVE



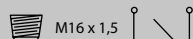
DG9Z-15520-A

Ford: Ecosport 6 marchas (após 2013).



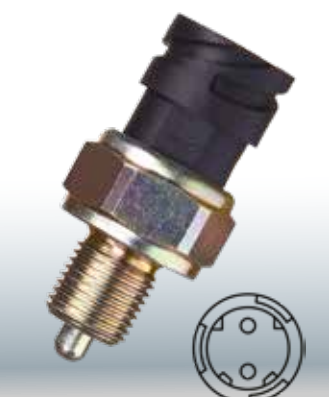
44126

LINHA PESADA



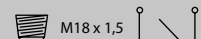
3181943

Volvo: VM 17 210 (2003 - 2011), VM 17 240 (2004 - 2005), VM 210 (2006 - 2012), VM 220 (após 2012), VM 23 210 (2004 - 2011), VM 23 240 (2004 - 2005), VM 260 (2006 - 2012), VM 270 (após 2012), VM 310 (2006 - 2011), VM 330 (após 2020).



44127

LINHA PESADA



BH5X.15520.AA

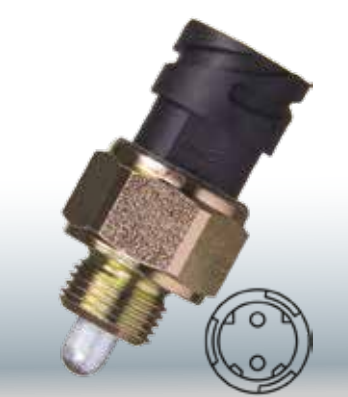
Ford: Cargo 1719, 1723, 1729, 1731, 1933, 2429, 2431, 3031.

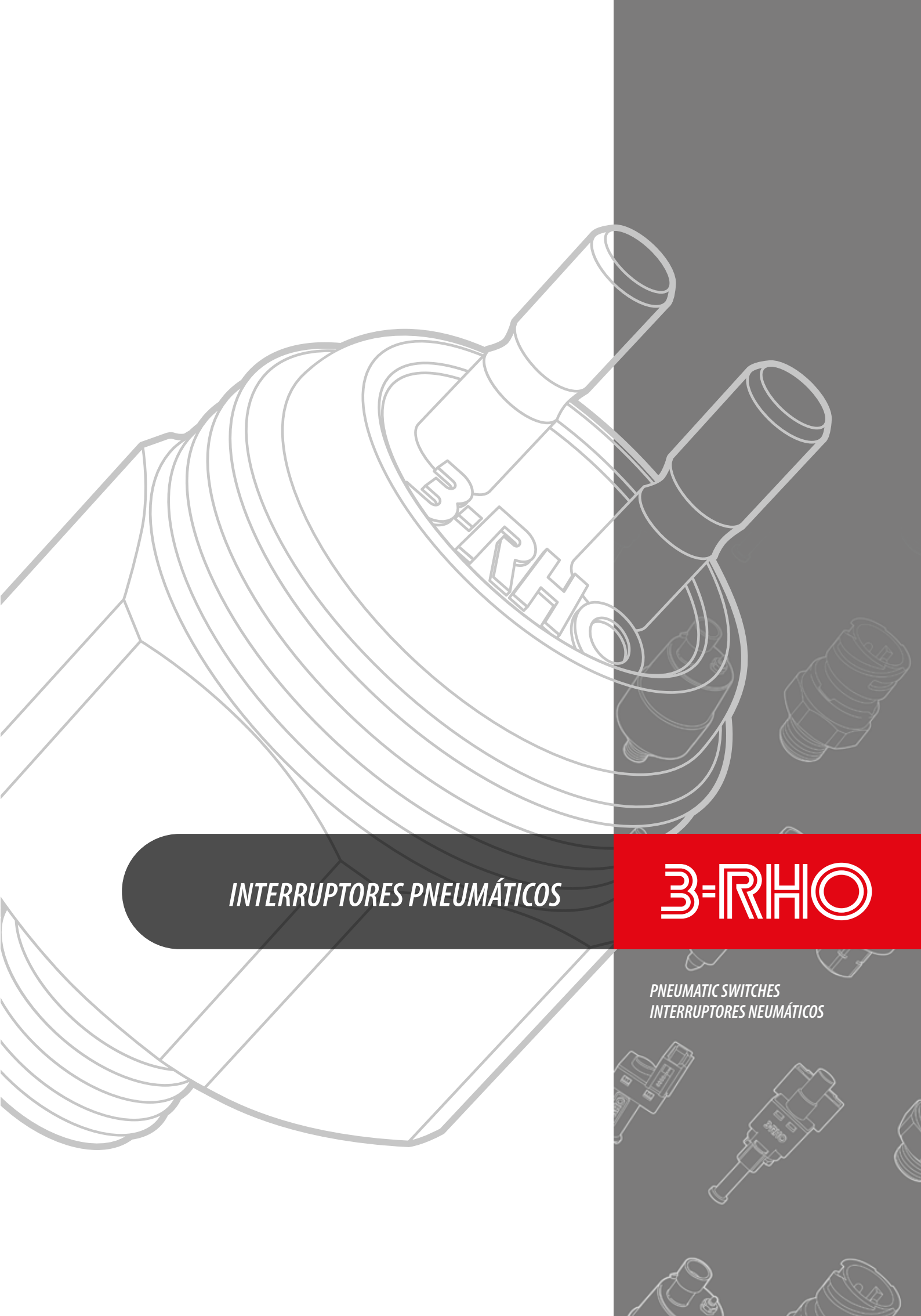
500056802

Iveco: Tector Ecoline Euro 5 150E21, 170E21 (após 2012), Tector Ecoline Euro 5 9-190, 11-190 (após 2019), Vertis Euro 3 90V16, 130V18 (2010 - 2011), Vertis Euro 5 90V18, 130V19 (após 2012).

2V2.941.521

VW: Constellation 17.280, 24.280, 31.330.





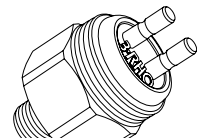
INTERRUPTORES PNEUMÁTICOS



3-RHO

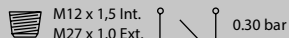
*PNEUMATIC SWITCHES
INTERRUPTORES NEUMÁTICOS*





5500

LINHA PESADA



A000.545.45.09 - A000.545.60.09

A364.545.74.09

Mercedes-Benz: Caminhões, 1114,1118, 1314,1318,1514,1518,1520,1524,1924,1929, 1933,1934, ônibus.

422208

Scania

298004

Volvo

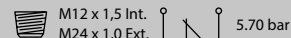
D17941 - 232007009R - 2910000371900

VDO



5511

LINHA PESADA



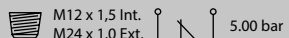
A000.545.79.14 - A344.545.74.14

Mercedes-Benz: Caminhões, ônibus.



5522

LINHA PESADA



6007.011.007.00.1

Agrale: MA 8.5 Caminhão 7500, 8500, 9200, Volare A8, W8.

E064209

J.I. Case: Carregadeiras W20, W36.

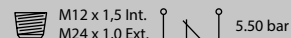
A000.545.4314 - A344.545.7314

Mercedes-Benz: Caminhões, ônibus.



5533

LINHA PESADA



A000.545.54.14 - A344.545.72.14

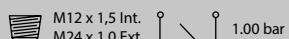
Mercedes-Benz: Lâmpada piloto do reservatório.

Caminhões 1113, 1114, 1115, 1116, 1118, 1214, 1313, 1314, 1316, 1317, 1318, 1418, 1513, 1514, 1516, 1517, 1518, 1618, 2013, 2017, 2213, ônibus.



5544

LINHA PESADA



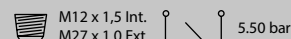
A001.545.4114 - A344.545.7114

Mercedes-Benz: Caminhões, 1113, 1114, 1115, 1116, 1118, 1214, 1313, 1314, 1316, 1317, 1318, 1418, 1513, 1514, 1516, 1517, 1518, 1618, 2013, 2017, 2213, ônibus.



5545

LINHA PESADA



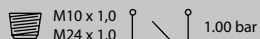
A002.545.09.14

Mercedes-Benz: Freio Motor. Caminhões, com Top Break, ônibus.



5555

LINHA PESADA



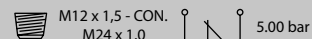
A000.545.52.14

Mercedes-Benz: Caminhão, 1114, 1118, 1314, 1318, 1514, 1518, 1520, 1524, 1924, 1929, 1933, 1934.



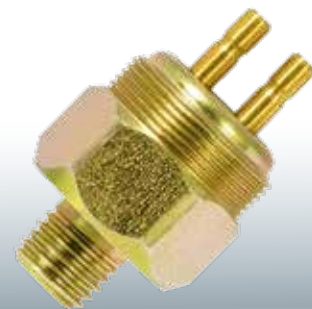
5556

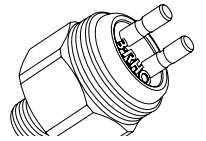
LINHA PESADA



1361131

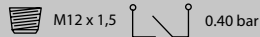
Scania: Série 3, série 4.



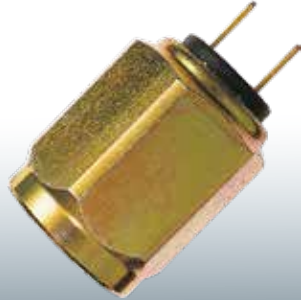


5566

LINHA PESADA

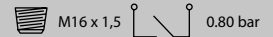


232007001R - 250000004535 - 532296
Scania: L-111, LK-140, LK-141, S-112, T-112.

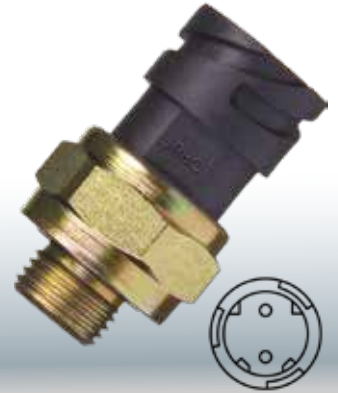


5574

LINHA PESADA

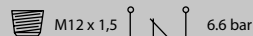


20424053
Volvo: Ônibus B7R, B9R, B9S, B9TL, B10L, B12B, B12M.

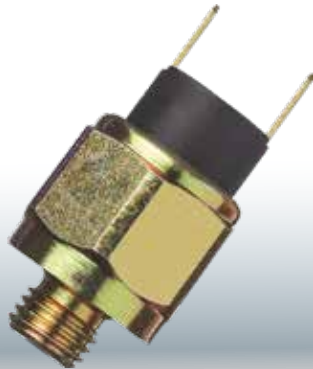


5575

LINHA PESADA



2V2.947.561
VW: Constellation 13-180E, 15-180E, 17-250E, 19-320E, 19-370E, 19-330T, 24-250E, 25-320E, 25-370E, 26-330T, 26-360T, 26-370E, 26-390T, 26-420T, ônibus 17-2100D, 17-2300D, 17-2600D.
441.014.072.0 - 441.014.240.0
Wabco

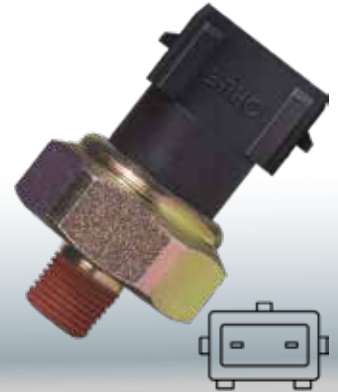


5576

LINHA PESADA



5C45.9C872.AA
Ford: Controle de velocidade no pedal de freio. Caminhões 815E (após 2005), 816 (após 2012), 1119 (após 2013), 1317E, 1517E, 1717E, 1722E, 1832E, 2422E, 2428E, 2622E, 2628E, 2632E, 2932E, 4432E, 4532E, 5032E, 6332E, (2008 - 2011).



5577

LINHA PESADA

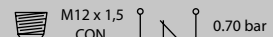


T.009.455.17
VW: Caminhões, ônibus.



5578

LINHA PESADA

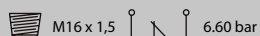


1730875
Scania: Caminhões, ônibus. Série 4.



5579

LINHA PESADA

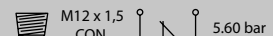


41200710 - 5801988974
Iveco: Daily 70C16, Stralis Euro 3 380, 390, 410, 420, 460 (2008 - 2011), Stralis Ecoline Euro 5 330, 360, 400, 440, 480, 560 (após 2012), Stralis Hi-Way Ecoline Euro 5 440, 480, 560 (após 2012), Trakker Euro 3 380, 420 (2006 - 2007), Trakker Euro 3 380, 420 (2008 - 2011), Trakker Ecoline Euro 5 360, 440, 480, 500 (após 2012).



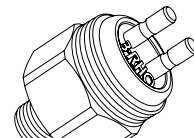
5580

LINHA PESADA



1730878
Scania: 94, F94, K94, LK114, K124, P94, P114, P124, R114, R124, R164, T124.





5581

LINHA PESADA

M12 x 1,5 3.00 bar

98449548

Iveco: Eurotech 370, 420 (1997 - 2005), Stralis Euro 3 410, 420, 460 (2008 - 2011), Stralis Euro 5 440, 480, 560 (após 2012), Stralis Hi-Way Euro 5 440, 480, 560 (após 2012), Trakker Euro 3 380, 420 (2008 - 2011), Trakker Euro 5 360, 440, 480 (após 2012), Tector Euro 3 260E25 (2010 - 2011), Tector Euro 5 260E28, 260E30 (após 2012).



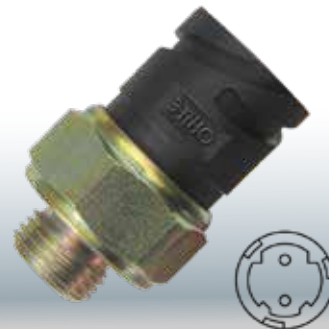
5582

LINHA PESADA

M16 x 1,5 2.00 bar

20424056

Volvo: Caminhões, ônibus.



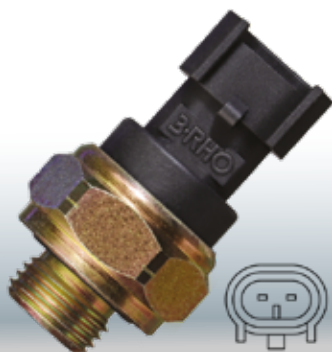
5583

LINHA PESADA

M16 x 1,5 5.50 bar

504023809 - 5801988975

Iveco: Daily Euro III (2008 a 2011), Daily Minibus Maxvan (2008 a 2011), Daily Ecoline Euro V (após 2013), Daily Minibus Maxvan Ecoline Euro V (após 2013), Stralis HD Euro III (2006 a 2008), Stralis Euro III (2009 a 2012), Stralis Ecoline Euro V (após 2012), Stralis Hi-Way (após 2014) Trakker Euro III (2009 a 2012), Trakker Euro V (após 2012).



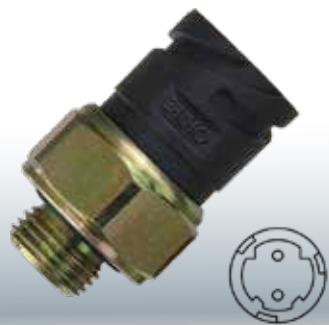
5584

LINHA PESADA

M16 x 1,5 5.40 bar

20424060

Volvo: Caminhões, ônibus.



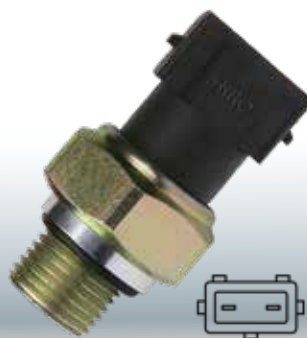
5585

LINHA PESADA

M16 x 1,5 0.40 bar

BC45.9C872.AA

Ford: Controle de velocidade no pedal de freio. Cargo leve e pesado a partir de 2011.



5586

LINHA PESADA

M12 x 1,5
M24 x 1,0 5.50 bar

A001.545.68.14

Mercedes-Benz: Caminhões, ônibus.



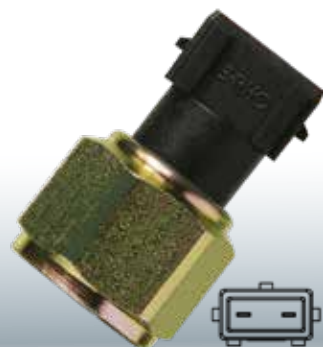
5587

LINHA PESADA

M12 x 1,5 0.20 bar

2R0.947.561.C

VW: Freio motor. Ônibus, Volksbus, 15180 eletrônico 2005, 17230, 17260.



5588

LINHA PESADA

M12 x 1,5 1.00 bar

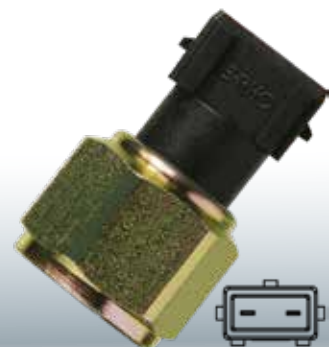
A384.545.78.09 - A693.545.78.09

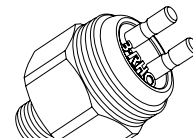
A693.545.78.09KZ

Mercedes-Benz:

Caminhões 1938, 1944, ônibus. Atego 1315, 1418, 1419, 1518, 1718, 1719, 1723, 1725, 1726, 1728, 1729, 2423, 2425, 2426, 2428, 2429.

Axor 1933, 2035, 2036, 2040, 2041, 2044, 2533, 2535, 2536, 2540, 2541, 2544, 2640, 2641, 2644, 2825, 2826, 2828, 2831, 3340, 3341, 3344, 4140, 4141, 4144.



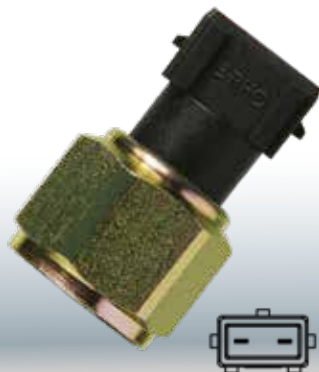


5589

LINHA PESADA

M12 x 1,5 5.50 bar

A384.545.7309 - A693.545.76.09
Mercedes-Benz: Caminhões, ônibus.

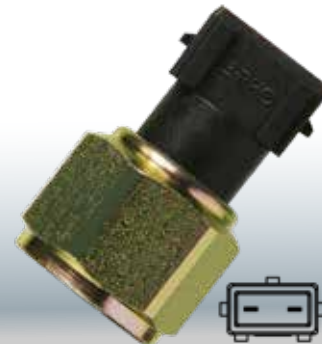


5590

LINHA PESADA

M12 x 1,5 1.00 bar

A384.545.7709 - A693.545.7709
Mercedes-Benz: Caminhões, ônibus.



5591

LINHA PESADA

M12 x 1,5 5.50 bar

A693.545.75.09
Mercedes-Benz: 1215-C, 1318, 1618-M, 1718, 1718-M, 1720, 1938, 1944, L-1620, LS-1634, Atego 2423, 2425, 2426, 2428, 2429, Atron 1635, 2324, Axor 2533, 2535, 2536, 2540, 2541, 2544.

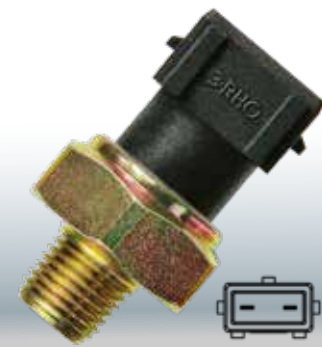


5592

LINHA PESADA

1/4" x 18 NPTF 0.40 bar

2R0.947.561.B
VW: Caminhões.



5593

LINHA PESADA

1/8" x 27 NPTF 4.50 bar

2R0.947.561.A
VW: Caminhões.

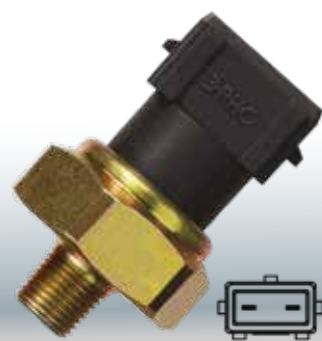


5594

LINHA PESADA

1/8" x 27 NPTF 5.50 bar

2R0.947.561
VW: Constellation 13-190, 15-190, 17-330, 19-330, 19-390, 19-420, 24-330, 25-390, 25-420, 26-390, 26-420.

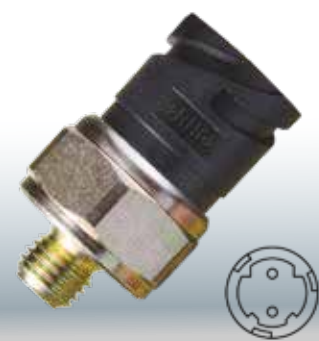


5595

LINHA PESADA

M12 x 1,5 5.50 bar

A.004.545.54.14
Mercedes-Benz: Actros 2548, 2648, Atego 1315, 1419, 1719, 1725, 1726, 1729, 1730, 2040, 2425, 2428, 2429, 2430, 2533, 2535, 2536, 2540, 2644, 2640, 2641, 2644, 3026, 3030, Axor 3340, 3344, 4140, 4144, Ônibus válvula protetora 04 circuitos, 0400, 0500 (válvula APU), OH1622, OH1623,

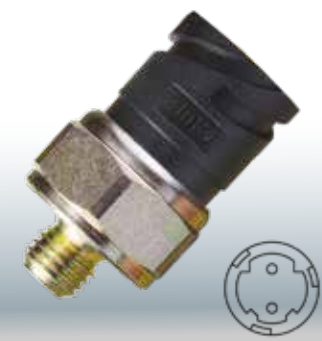


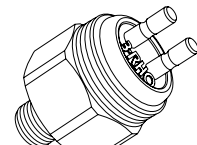
5596

LINHA PESADA

M12 x 1,5 6.50 bar

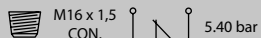
A004.545.55.14 - A006.545.11.14
Mercedes-Benz: Caminhões Actros, Antos, Arocs, Atego, Axor, Econic, ônibus.





5597

LINHA PESADA



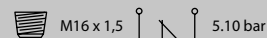
1594040 - 1622986 - 20382508

Volvo: Caminhões, FH.



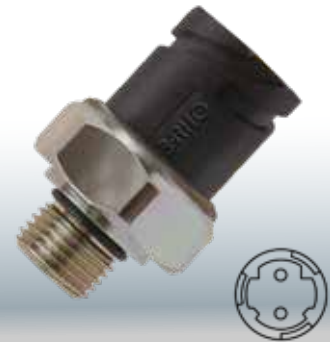
5598

LINHA PESADA



20493671 - 40218901 - 5010360731

Volvo: Caminhões VM.



5599

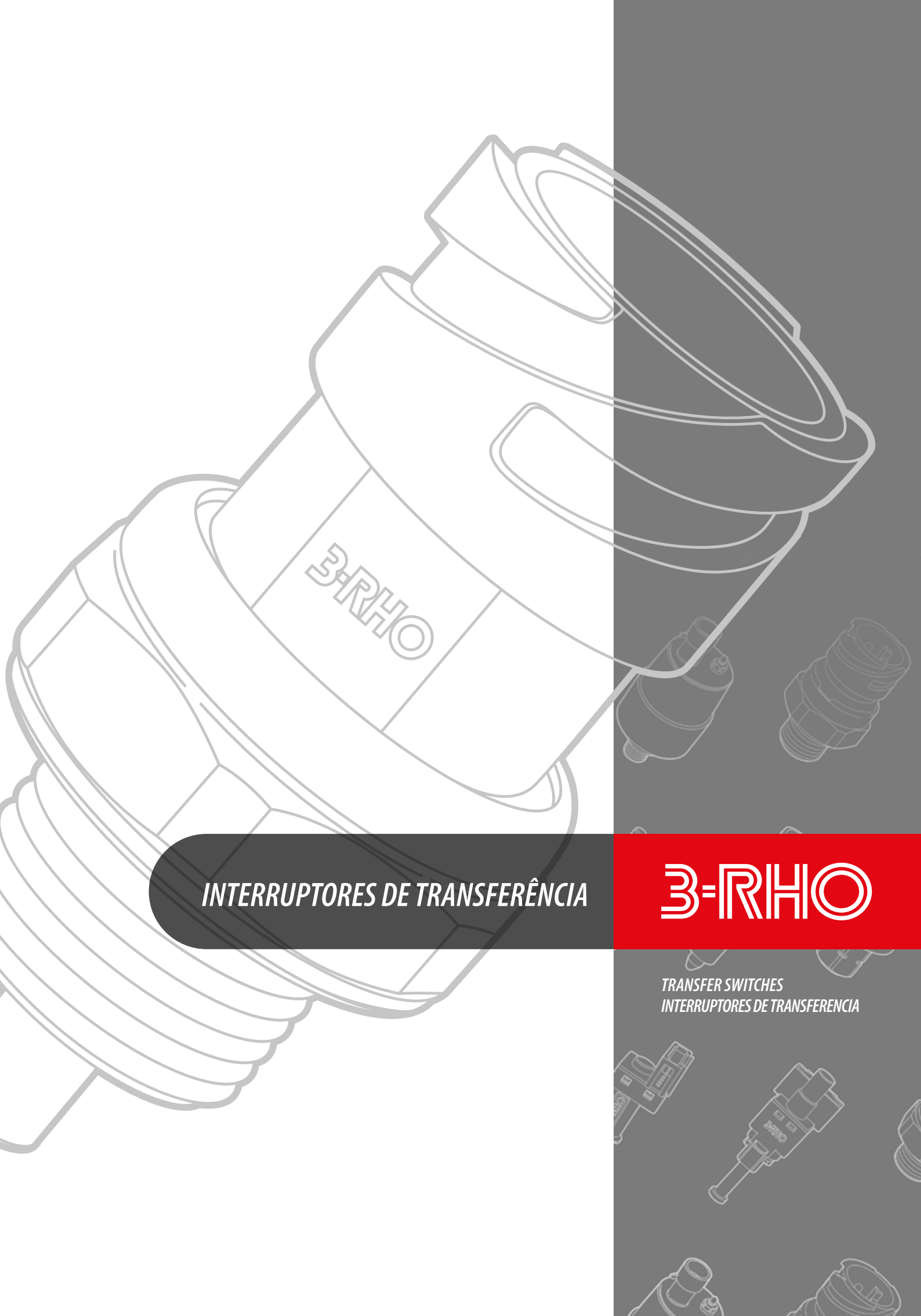
LINHA PESADA



20493673 - 40218902 - 5010360730

Volvo: Caminhões VM.

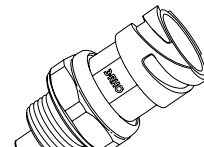




INTERRUPTORES DE TRANSFERÊNCIA

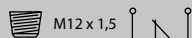
3-RHO

*TRANSFER SWITCHES
INTERRUPTORES DE TRANSFERENCIA*



6611

LINHA PESADA

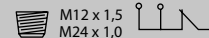


234736
Scania: 111.

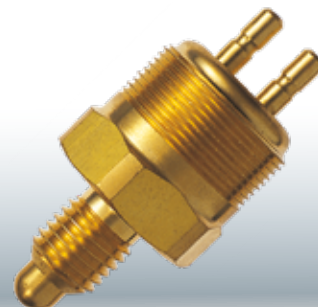


6612

LINHA PESADA

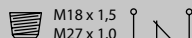


314572
Scania: 112 - 10 marchas até 1991.



6613

LINHA PESADA

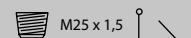


370710
Scania: 113.

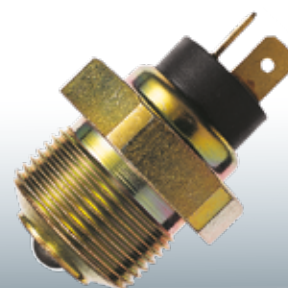


6614

LINHA LEVE

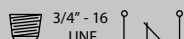


84220.98001
Toyota: Bandeirante Pick-up, Jipe.



6615

LINHA PESADA



Agrale: Volare (A8, W8).

22941

Eaton: Caixas FS4205A, FS4205B, FS5106A, FS5205A, FS5306A, FS5406B, FS6206A, FS6305B, FS6306A, FS6306B, FSB5305D, FSB5406A, FSB6406A, FSB06406A, FSB08406A, FSO4405B, FSO4405C, FSO4505A, FSO6406A, FTS1608LL, RTL012913A.

Ford: Caminhão Cargo 1618, ônibus 1618.

7149153

Iveco: Caminhões Eurocargo (120E15, 140E18, 160E21, 160E23, 170E22, 230E24, 260E25), ônibus CC118E20, CC170E220, Daily 70C16.

Jacto: Pulverizadores.

A001.545.04.09

Mercedes-Benz: L1621, L2318, L2418, Lk1721.

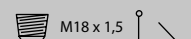
2RP 927.245

VW: Caminhão 16-180, ônibus 16-180, 16-210, 17-210, 17-240, 18-310.



6616

LINHA PESADA



1010127

Eaton

BH1X-7E194-AA

Ford: Cargo 1932 E, 1933, 2622 E, 2623, 2628 E, 2629, 2632 E, 3132 E, 3133.

International: 9800I.

42531807 - 503356283

Iveco: Eurocargo 260E25, Eurotech 450E37, Stralis, Stradale 240E25S, Tector, Trakker.

Man: 15-190 E0D, 17-230 E0D, 17-260 E0D, 17-280, 17-330, 19-330, 19-400, 24-280, 24-330, 25-390, 25-400, 26-280, 26-400, 31-280, 31-330, 31-400.

Mercedes-Benz: Atron 1635, 2423 K, O 400 SER, O400 RSD, O 500 R, IBC 1830, IBC 1833, L 728, OF 1730, OF 1732.

Scania: F-95.

1662939 - 21265985 - 3197870

Volvo: VM 260, VM 270, FH 12, NH 12.

2T0.919.823 - 2T2.919.457.A - 2T2.919.457.B

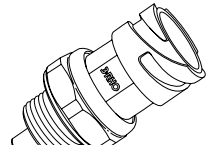
VW: Caminhões 8-160E, 18-310, 19-320, 19-320E, 19-370, 25-320E, 25-370, 31-320, 31-320E, 31-370.

0501.210.058 - 0501.331.660

ZF

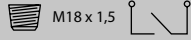
6628 - Circuito fechado.





6617

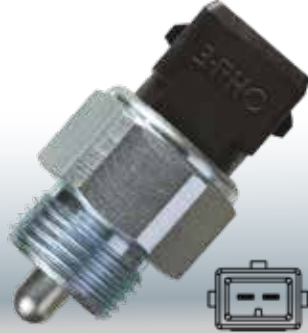
LINHA PESADA



2S2.945.515

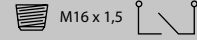
VW: Constellation Euro 3 13-180E, 15-180E, 17-250E, 17-320E, 19-320E, 19-370E, 24-250E, 24-320E, 25-320E, 25-370E, 26-260E, 26-370E, 31-260E, 31-320E, 31-370E.

Constellation Euro 5 13-190E, 14-190E, 15-190E, 17-190E, 17-230E, 17-260E, 17-280E, 17-330E, 19-330E, 19-390, 19-420E, 23-230E, 24-260E, 24-280E, 24-330, 25-330E, 25-390E, 25-420E, 26-330E, 26-390E, 26-420E, 31-280E, 31-330E, 31-390E.



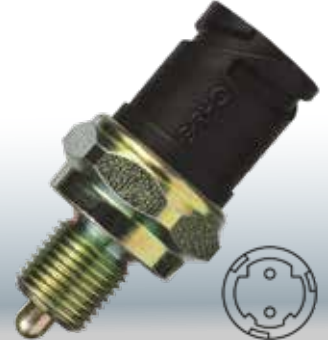
6618

LINHA PESADA



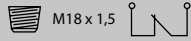
20593412 - 20593416

Volvo: Caminhões.



6619

LINHA PESADA



A006.545.54.14

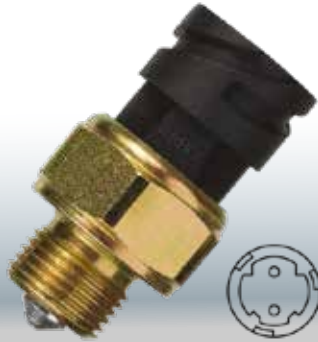
Mercedes-Benz: Acello 815, Acello 1016.

2R0.919.823

VW: 9-150, 10-160.

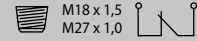
0501.210.302 - 0501.215.905 - 0501.398.870

ZF: Caixas 5S-580 TO, 5S-420.



6620

LINHA PESADA



A005.545.00.14 - A006.545.48.14

Mercedes-Benz: Sensor de neutro.

Caminhões 712C, 914C, 1215C, ônibus LO 914.

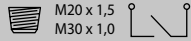
0501.210.295

ZF: Caixa 5S-42.



6621

LINHA PESADA



A000.545.72.06

Mercedes-Benz: Ônibus O-400, O-400 SER/RSD, O-500R.

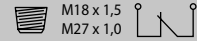
0501.311.811 - 0501.331.665 - 0768.300.314

ZF: Caixa ZF 8 S-180, S6-1550.



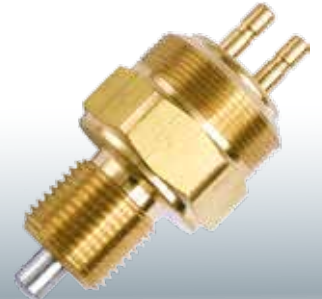
6622

LINHA PESADA



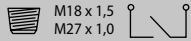
1662906

Volvo: Caminhões, ônibus.



6623

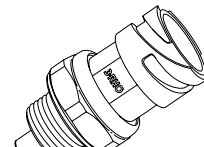
LINHA PESADA



1303470

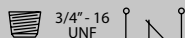
Scania: R770, R780, RP831, RBP831.





6624

LINHA PESADA



6025.004.025.00.4

Agrale: 6500, 7500, 8500, 8700, 9200, A7500, 10000, 13000, 14000, MA 7.9, MA8.5, MA 9.2, MA 9.6, MA 10.0, MA 11.0, MA 15, MA 17, MT 15, Marruá, V8, Volare A5, Volare A6, Volare V5, Volare V6, Volare W12, W7, W8, W9.

4304809

Eaton

500056345

Iveco: Tector 260E30 (após 2019), Tector 260E28 (2001 - 2018), Trakker 310T36 (2013 - 2018).

2T0.919.823A

VW: Constellation 13-180 (2010 - 2012), 13-190 (2012 - 2018), 14-190 (após 2020) 15-180 (2006 - 2012), 15-190 (2011 - 2019), 17-190 (2012 - 2018), 17-190 (após 2020), 17-230 (2015 - 2018), 17-250 (2005 - 2014), 17-260 (após 2019), 23-230

(2014 - 2018), 24-250 (2005 - 2014), 24-260 (após 2019), 26-260 (2006 - 2013), 31-260 (2005 - 2012), 31-320 (2007 - 2012), 31-370 (2007 - 2012).

Delivery 5-140 (2005 - 2012) MWM, 8-150 (2005 - 2012).

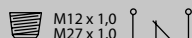
Worker 8-150 (2006 - 2012) Cummins, 8-150 (2010 - 2012) MAN, 9-150 (2007-2012) Cummins, 9-150 (2010 - 2012) MAN, 13-170 (2004 - 2006), 13-180 (2004-2012), 13-190 (2013 - 2019), 15-170 (2004 - 2009), 15-180 (2002 - 2012), 15-190 (2012 - 2019), 17-190 (2012 - 2019), 17-230 (2012 - 2019), 17-250 (2006-2019), 23-230 (2014 - 2019), 23-250 (2006 - 2019), 24-250 (2006 - 2019).

Ônibus 5-140 EOD (2005 - 2012), 8-150 EOD (2005 - 2012), 15-180 EOD (2004-2012), 15-190 EOD (2006 - 2012), 15-190 OD (2006 - 2012), 17-210 EOD (2001-2006), 17-230 EOD (2006 - 2012), 17-260 EOT (2004 - 2012), 18-320 EOT (2006 - 2012), 18-330 OT (2012 - 2019).



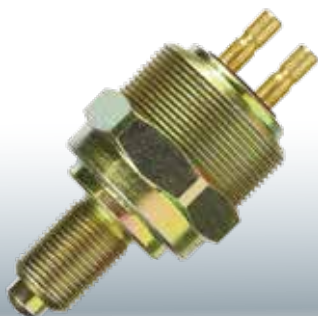
6625

LINHA PESADA



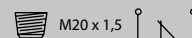
A001.545.54.09 - A001.545.91.09

Mercedes-Benz: Bloqueio da partida. Caminhões.



6626

LINHA PESADA



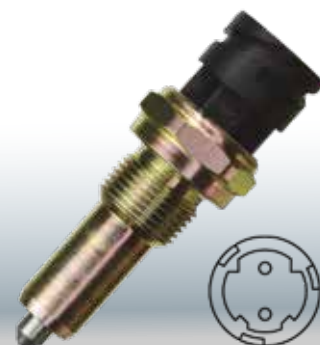
A001.545.16.09 - A001.545.46.09

A001.545.73.09 - A002.545.01.09

Mercedes-Benz: Caminhões: Atego (1729, 2429), Atron (2729), Axor (1933, 2533).

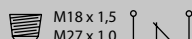
Caixas: G100-2, G131-9, G141-9, G181-9, G210-16, G211-16, G221-9, G230-16, G231-16, G240-16, G260-16.

Ônibus/Caixas: G0170, G0190, G0210, G0230, GO 4/160.



6627

LINHA PESADA



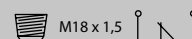
1303471

Scania: Caminhões, L3 113E.



6628

LINHA PESADA



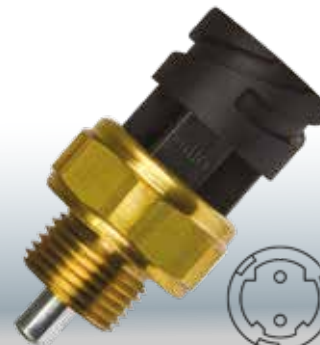
A000.545.03.64 - A000.545.26.14

Mercedes-Benz: Caminhão L1718, ônibus O500R, OF1732, O400 SER/RSD, OF1417, OF1418, OF1721.

2T2.919.457.A - 2V5.919.457A

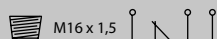
VW: 19-370, 25-370, 21-370.

6616 - Circuito aberto.



6629

LINHA PESADA



8880315

Eaton

BH3X.155520.BA

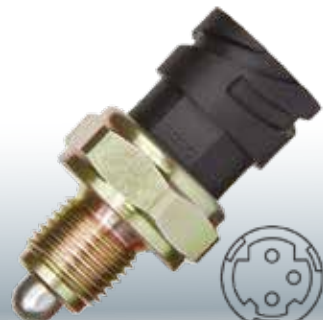
Ford: Cargo 1728, 1729, 2423, 2429.

A000.261.04.91 - A006.545.2214

Mercedes-Benz: L 1622, L 1624.

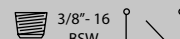
20520194

Volvo: VM 17, VM 23, VM 210, VM 270.



6630

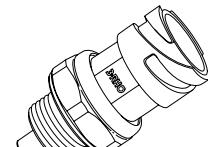
LINHA LEVE



PRC2911

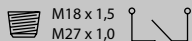
Land Rover: Defender, Discovery 1 e 2.





6631

LINHA PESADA

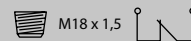


1303472
Scania: 113.



6632

LINHA PESADA

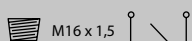


A001.545.84.09
Mercedes-Benz: Bloqueio diferencial.
Caminhões.
1472739
Scania: 114, 124, 144.



6633

LINHA PESADA

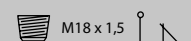


20853480
Volvo: Caminhões.



6634

LINHA PESADA

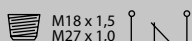


1232373 - 1447974
Daf: 65 CF, CF 65, CF 75 /IV, CF 85 /IV.
Ford: Cargo C2842.
42531808 - 42555374 - 42560500 - 500056811
Iveco: Cursor, Eurocargo, Eurotech, Eurotrakker,
Powerstar, Stralis, Trakker, Tector, Tector Stradale,
ônibus.
Man: 15-190, 17-230, 17-260, 17-280, 19-400,
24-280, 25-390, 25-400, 26-280, 26-400, 31-280,
31-400, TGX.
A002.545.05.09
Mercedes-Benz: Axor, O-400 RSE, O-400 RSD,
O-500 R, L1728, OF 1417, OF 1418, OF 1620, OF
1721, OF 1730, OF 1732, IBC 1833, IBC 1830.
1378644 - 1387100 - 1420005 - 1423971
1423974 - 1423976 - 1423977 - 1472739
Scania: Serie 4, G230, G270, G310, G340, G360,
G380, G410, G420, G450, P230, P250, P270, P280,
P300, P310, P320, P340, P360, P380, P400, P410,
P420, P450, P470, P480, P500, P560, P580, P620,
R230, R270, R310, R340, R360, R380, R400, R410,
R420, R440, R450, R470, R480, R500, R560, R580,
5620.
22354201 - 3197871 - 22194568
Volvo: Caminhões VM, FH 12, FH 16, FL 7, FE, FM 9,
FM 10, FM 12, NH 12, ônibus B7 FB.



6635

LINHA PESADA



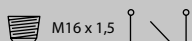
A001.545.57.09
Mercedes-Benz: Bloqueio de diferencial, tomada
de força, interruptor de neutro, tração do eixo
dianteiro.



2T2.919.457.B
VW: Constellation 17-330, 17-370, 19-320, 19-330,
19-390, 19-420, 24-330, 25-370, 25-390, 25-420,
26-390, 26-420, 31-370, Delivery 10-160.
0501.216.474 - 0501.219.856 - 0501.210.059
0501.215.297
ZF: Caixas ZF S6-1550, S5-680 S50, 9S 110 TD, 9S
1310 TD, 9S-1310 TD, 9S 1315 TD, 12AS 1930 TD,
16AS 1930 TD, 16AS-2630 TO, 16S 1455 TD, 16S 1650,
16S 1685 TD, 16S 221, 16S 2280 TO, 16S 2180 TO,
16S-2520 TO, 16S-2521 TO, 16S-2525 TO, 16S-2320
TD, 6S-240 V, 6S-1010 BO, 6S-1000TO, 6S 1000 BO,
6S 480 VO.

6636

LINHA PESADA

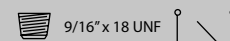


250.941.503
VW: 13150 (2004 - 2008), 13190 (2004 - 2006),
14220 (2004 - 2008), 15190 (2004 - 2007), 17210
(2004 - 2007), 23210 (2004 - 2006), 23220 (2004-
2006).
Constellation 13180 (2010 - 2018), 13190 (2012 -
2018), 15180 (2006 - 2012), 15190 (2012 - 2018),
17190 (2015 - 2018), 17250 (2005 - 2014), 17230
(2015 - 2018), 17280 (após 2012), 23230 (2014 -
2019), 24250 (2005 - 2014), 24280 (após 2012),
30280 (após 2019).
Worker 17180 (2006 - 2012), 17220 (2006 - 2012),
17230 (após 2012), 24220 (2006 - 2012).



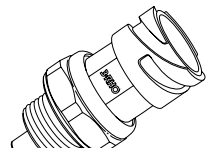
6637

LINHA LEVE



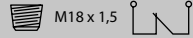
15598481 - 8155984810
GM: Blazer 4x4, S-10.





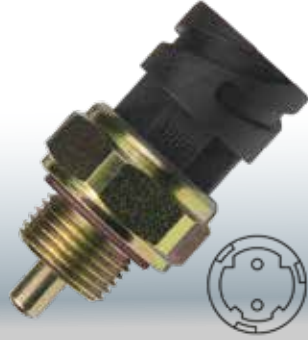
6638

LINHA PESADA



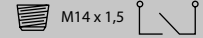
1767264

Scania: Caminhão série P, G, R, T. Ônibus série F, K, N. Tomada de força EK 730, EK 740.



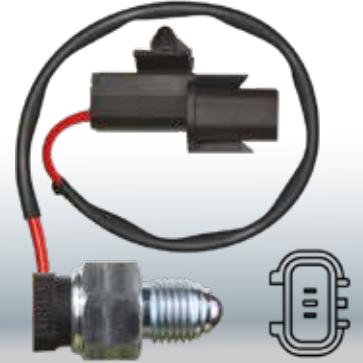
6639

LINHA LEVE



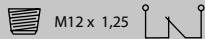
MB811555

Mitsubishi: L200, Outdoor GLS, Pajero Sport. Luz do 4x4, ponta esférica.



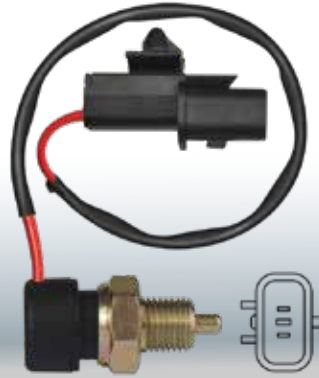
6640

LINHA LEVE



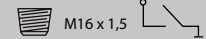
MB886426

Mitsubishi: HPE, L200 Sport, Outdoor, Pajero Sport.



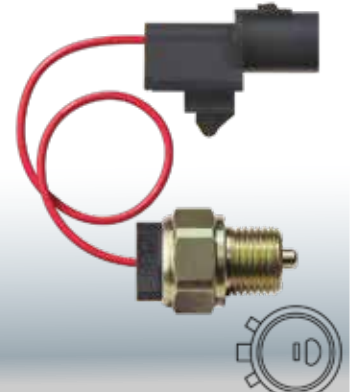
6641

LINHA LEVE



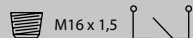
MR246221

Mitsubishi: Luz da reduzida (ponta botão). Pajero Sport.



6642

LINHA PESADA



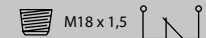
BH1X.45062.AA

Ford: Caminhões Cargo.



6643

LINHA PESADA



A001.545.49.09 - A001.545.18.09

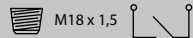
A001.545.84.09 - A002.545.05.09

Mercedes-Benz: Bloqueio do diferencial, tomada de força. Caminhão, ônibus.



6644

LINHA PESADA



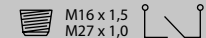
A001.545.50.09

Mercedes-Benz: Caminhões, ônibus.



6645

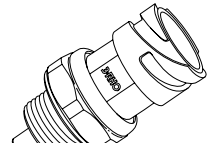
LINHA PESADA



A674.545.00.11

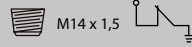
Mercedes-Benz: Bloqueio do diferencial. Caminhões, ônibus.





6646

LINHA LEVE

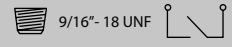


MR388764 - MR388765 - 8604A007
Mitsubishi: Pajero Dakar 3.2 diesel (2009 - 2018), Pajero Dakar V6 Flex 3.5 (2011 - 2018), TR4 (Luz 4WD, circuito normal fechado).



6647

LINHA PESADA

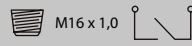


MIA881067 - RE12411
John Deere: 5045E, 5055E, 5065E, 5075E, 5100E, 5303, 5325, 5403, 5420N, 5425, 5520N, 5525, 5625, 5725, 6115D, 6125D, 6130D.



6648

LINHA PESADA

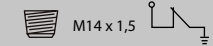


3197872
Volvo: Bloqueio de diferencial. FH, FM, FMX, NH.



6649

LINHA LEVE

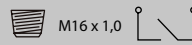


MB837105
Mitsubishi: Luz H-L. TR4.



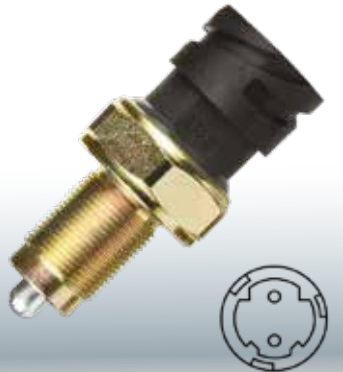
6650

LINHA PESADA



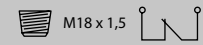
Renault Trucks: Magnum DXi 12/13, D/C/T, Midlum /II /DXi 5/7, Premium II TR/PR/DXi 7.

3181941
Volvo: Bloqueio de diferencial. Caminhões FH, FM, FMX, NH 9/10/11/12/13/16, F, FL, FE, FM, ônibus B 5/6/7/8/9/11/12/13.



6651

LINHA PESADA



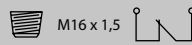
Renault Trucks: Kerax DXi 11/13, D/C/K/T, Premium II TR/PR/ DXi 7.

3197873
Volvo: Bloqueio do diferencial. Caminhões, ônibus FH 12 (1993 - 2005), FH 16 (1993 - 2006), FM 9 (2001 - 2005), FM 10, FM 12 (1998 - 2005), NH 12/BR, FM 7, B12 B, B12 M.



6652

LINHA LEVE

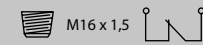


32006-8S01A
Nissan: Frontier (2008 - 2016), Pathfinder (2005 - 2007).



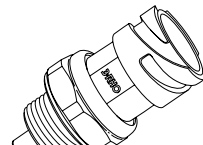
6653

LINHA LEVE



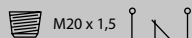
32006-7S11A
Nissan: Frontier (2008 - 2016), Pathfinder (2005 - 2007).





6654

LINHA PESADA



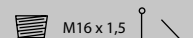
A001.545.72.09

Mercedes-Benz: Neutro, bloqueio de partida.
Atego.



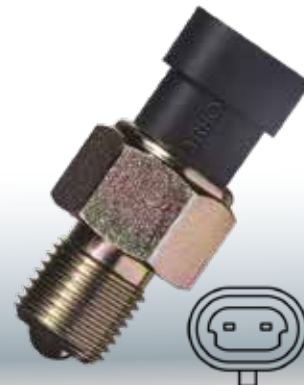
6655

LINHA PESADA



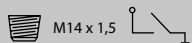
RE46534A

John Deere: Bloqueio de partida.
Colheitadeira, Pá-carregadeira, Pulverizador,
Retrosavadeira, Trator.



6656

LINHA LEVE



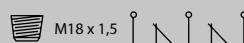
MR399237 - MR399238

Mitsubishi: Circuito normal aberto. TR4 Luz 4WD.



6657

LINHA PESADA



81.25503.0244

Man: Bloqueio do diferencial.
TGX (após 2012).

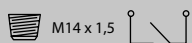
2V5.959.483 - 2V5.959.483.1

VW: Bloqueio do diferencial.
Caminhões Meteor 28-460, Meteor 28-520,
Meteor 28-480, Meteor 29-530.



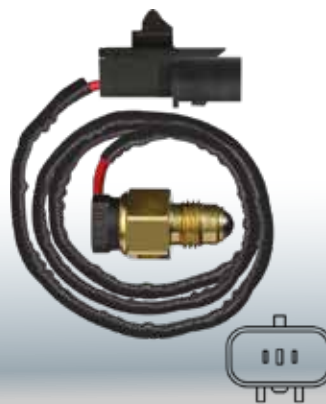
6658

LINHA LEVE



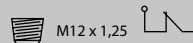
MR953809

Mitsubishi: Pajero Sport.



6659

LINHA LEVE



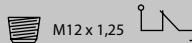
MR453318 - MR580151 - MR580155

Mitsubishi: L200 Triton, L200 Triton Dakar, Pajero
Full, Pajero Montero, Pajero Sport.



6660

LINHA LEVE



MR453315 - MR453316 - MR580152

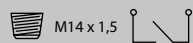
MR580153 - MR580154

Mitsubishi: L200 Triton, L200 Triton Dakar,
Pajero Dakar, Pajero Full.



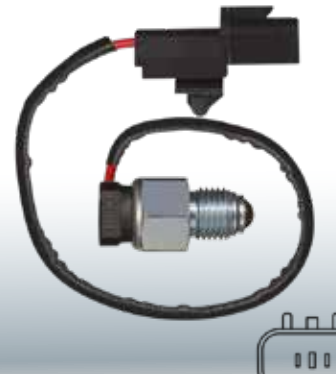
6661

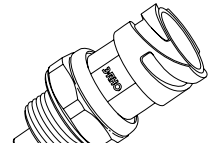
LINHA LEVE



MB811554

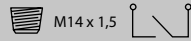
Mitsubishi: Luz do 4x4. GLS, L200 Outdoor,
Pajero Sport, Sport, Savana, Triton.





6663

LINHA PESADA



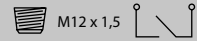
A002.545.12.09

Mercedes-Benz: Interruptor de 1ª marcha.
Ônibus.



6664

LINHA LEVE



MR176697

Mitsubishi: Bloqueio de diferencial do eixo dianteiro.
L200 Sport 2.5, L200 Outdoor 2.5, L200 Savana 2.5, Pajero Sport 2.5/2.8/3.5 V6.

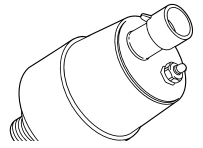




SENSORES MECÂNICOS DE PRESSÃO

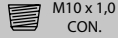
3-RHO

*MECHANICAL PRESSURE SENSORS
SENSORES MECÁNICOS DE PRESIÓN*



7700

LINHA PESADA



M10 x 1,0
CON.

Escala
0 a 10 bar

Alarme
0.50 bar

360002001R - 84268384

CNH: Máquinas agrícolas.

752.361.12

Fiat Allis: Pá-carregadeira.

T12.919.075

Ford: F4000, F10000, F11000, F12000, F13000, F21000, com motor MWM 229, 4 e 6 cilindros.

1.224.456.H1

Komatsu: Trator.

VW: Caminhões 11.130 até 35.300, com motor MWM 229, 4 e 6 cilindros.

WK Liga lâmpada do alarme.

G Liga o indicador de pressão do painel.



7701

LINHA PESADA



M14 x 1,5

Escala
0 a 10 bar

Alarme
5.00 bar

258905B - 360002008R

Scania: Pressão do ar. K112, T112, T142.

WK Liga lâmpada do alarme.

G Liga o indicador de pressão do painel.



7702

LINHA PESADA



M14 x 1,5

Escala
0 a 10 bar

Alarme
1.00 bar

360002009R - 368447B

Scania: Pressão do óleo. K112, T112, T142.

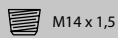
WK Liga lâmpada do alarme.

G Liga o indicador de pressão do painel.



7703

LINHA PESADA



M14 x 1,5

Escala
0 a 10 bar

Alarme
1.00 bar

360005031R - 373811 - 374338

Scania: Pressão do óleo.

Caminhões 112 (1983 - 1991), 113 (1990 - 1998), 114 (1997 - 2008), 124 (1997 - 2008), 142 (1981 - 1991), 143 (1990 - 1996), P93 (1995 - 1998), P94 (1998 - 2009), P114 (1998 - 2007), P124 (1997 - 2008), R112 (1981 - 1991), R113 (1991 - 1998), R114 (1998 - 2008), R124 (1998 - 2008), R142 (1983 - 1990), R143 (1990 - 1996), R164 (2000 - 2005), T112 (1984 - 1991), T113 (1990 - 1998), T142 (1981 - 1991), T143 (1991 - 1996).

Ônibus F94 (1998 - 2004), K94 (1998 - 2005), K112 (1983 - 1991), K113 (1990 - 1998), K124 (1998 - 2005), L94 (1998 - 2003).



7704

LINHA LEVE



M10 x 1,0
CON.

Escala
0 a 10 bar

360002027R - 360002047R - BS8T.9HH544.A

Ford: Ranger com motor diesel 2.5 Maxion e 2.8 MWM.

00073107 - 00073158 - MS05681 - MS05682

GM: Blazer e S10, com motores diesel 2.5 Maxion e 2.8 MWM (1996 - 2000).

83520-98001

Toyota: Motor 14 B.

G Liga o indicador de pressão do painel.



7705

LINHA PESADA



M16 x 1,5

Escala
0 a 10 bar

360002017R - 6889268

Volvo: Pressão do óleo/da água.

NL-10, NL-12, NL todos.



7706

LINHA PESADA



M16 x 1,5

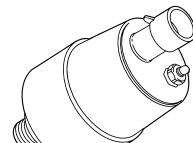
Escala
0 a 10 bar

Alarme
4.90 bar

360002029R - 8128439

Volvo: Pressão do ar, N-10.





7707

LINHA LEVE/PESADA



1/4" x 18
NPT

Escala
0 a 7 bar

360004006R - BD2T.9278.A - D15411

E4ZZ.9278.A

Ford: Pressão do óleo.

Cargo com motor MWM (após 1984), caminhões linha F, Del Rey Ghia (após 1984), Pampa Ghia.

G Liga o indicador de pressão do painel.



7708

LINHA PESADA



M10 x 1,0
CON

Escala
0 a 7 bar

Mercedes-Benz: Pressão do óleo.

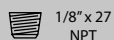
Caminhões e ônibus.

G Liga o indicador de pressão do painel.



7709

LINHA PESADA



1/8" x 27
NPT

Escala
0 a 7 bar

002.437.237 - D15385

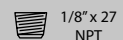
VW: Pressão do óleo 12-140, 13-130, 14-140, 7-90S, 7-110S, (caminhões a partir de 1972).

G Liga o indicador de pressão do painel.



7710

LINHA PESADA



1/8" x 27
NPT

Escala
0 a 7 bar

360002018R - 8125160

Volvo: NL-10 (1989-1995), NL-12 (1989-1995).



7711

LINHA PESADA



1/8" x 27
NPT

Escala
0 a 7 bar

Alarme
1.00 bar

360002024R - 8133070

Volvo: Pressão do óleo. B58 / B58E.



7712

LINHA PESADA



M18 x 1,5

Escala
0 a 5 bar

Alarme
0.25 bar

360004001R - A004.542.43.17

Mercedes-Benz: Pressão do óleo. Caminhões e ônibus.

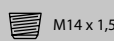
WK Liga lâmpada do alarme.

G Liga o indicador de pressão do painel.



7713

LINHA PESADA



M14 x 1,5

Escala
0 a 5 bar

Alarme
0.25 bar

360004002R - A001.542.56.17

A684.542.72.17

Mercedes-Benz: Pressão do óleo.

Motores OM 364, OM366 A., 1421, 1421LN, 1425, 1425L, 1425ALN, 1625ALN.

WK Liga lâmpada do alarme.

G Liga o indicador de pressão do painel.



7714

LINHA PESADA



M14 x 1,5

Escala
0 a 5 bar

360004003R - A001.542.93.02 -

A004.542.89.17 - A345.542.73.17

D15289

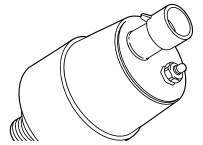
Mercedes-Benz: Pressão do óleo.

Motor estacionário, 1113.

WK Liga lâmpada do alarme.

G Liga o indicador de pressão do painel.





7715

LINHA PESADA

7/16" x 24
UNS Escala
0 a 1.5 bar

360002019R - 8125161

Volvo: Pressão do turbo, NL-10, NL-12, NL.



7716

LINHA PESADA

M14 x 1,5 Escala
0 a 10 bar

9.0569.20.0.0081

MWM: Grupo gerador.



G Liga o indicador de pressão do painel.

7717

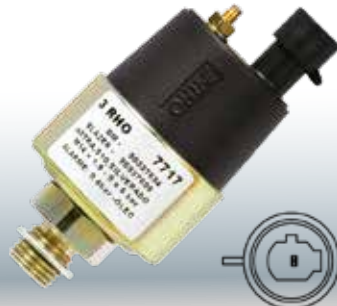
LINHA LEVE

M14 x 1,5 Escala
0 a 5 bar Alarme
0.40 bar

90337694 - 90337695

GM: Com mostrador de pressão no painel.

Astra (1995), Blazer e S10 gasolina 2.2 e 2.4 (1995 - 2011), Kadett, Monza (1991 - 1994), Omega (1993 - 1998), Silverado gasolina (1997 - 2002).



7718

LINHA PESADA

M12 x 1,5
CON. Escala
0 a 10 bar Alarme
5.0 bar

360005033R - 397.946

Scania: Pressão do ar.

F112, F113, K113, L113, L113CLL, P114, P124, R112, R113, R114, R124, R142, R143, S112, S113, T112, T113, T124, T142, T143.



7719

LINHA LEVE

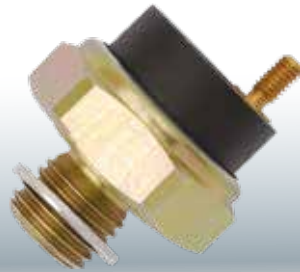
M14 x 1,5 0.40 bar

93315817 - 93322045

GM: Blazer e S10, com motor diesel 2.8 MWM (2000 - 2011).

905685090048

MWM



7721

LINHA PESADA

M14 x 1,5 Escala
0 a 10 bar

1316331

Scania: 113, 114, 124.



7727

LINHA PESADA

M16 x 1,5 Escala
0 a 5 bar

A012.542.05.17

Mercedes-Benz: Pressão do óleo. Motores OM 501 LA, OM 502 LA, OM 906 LA.

WK Liga lâmpada do alarme.

G Liga o indicador de pressão do painel.



7769

LINHA PESADA

M16 x 1,5 Escala
0 a 16 bar

1608833 - 3987499

Volvo: Pressão do ar. Caminhões F/FL 6, F/FL/FM 7, FLC, F/FL/N/NL 10/12/16, VM, ônibus B 5/6/7/8.

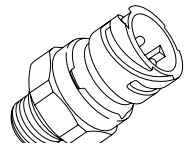




SENSORES ELETRÔNICOS DE PRESSÃO

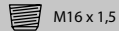
3-RHO

*ELECTRONIC PRESSURE SENSORS
SENSORES ELECTRÓNICOS DE PRESIÓN*



7720

LINHA PESADA



1077574

Volvo: Sensor de pressão e temperatura do óleo.
Caminhões FH12, FH16, FM12, motores D12 C, D,
D12 D Geração 6, D16 B.



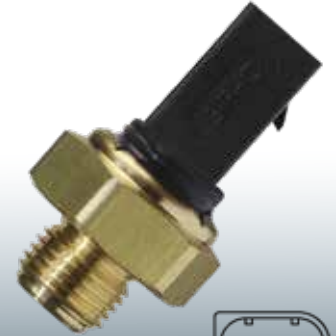
7722

LINHA PESADA



A004.153.49.28 - A007.153.08.28

Mercedes-Benz: Sensor de pressão do óleo.
Caminhões e ônibus com motor eletrônico.
Acello, Actros, Arocs, Atego, Atron, Axor, Antos,
Econic, O-500, Setra. Motores: OM 457 LA, OM
470/471 LA, OM 501/502 LA, OM 904 LA, OM
906 LA/HLA, OM 906/926 LA, OM 924 LA, OM
926 LA.



7723

LINHA PESADA



A004.153.14.28 - A006.153.11.28

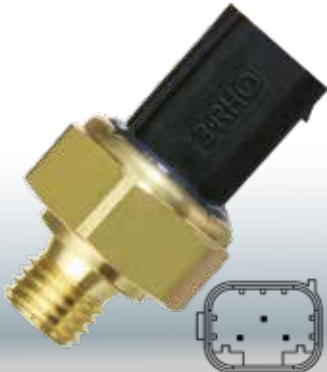
A006.153.60.28 - A007.153.43.28

A009.153.50.28 - A009.153.51.28

Mercedes-Benz: Sensor de pressão do combustível.
Caminhão: Accelo 715 (Carros: Classe A diesel, Classe
C diesel, Classe E diesel, Classe S diesel, ML diesel.
Furgões: Sprinter 311 (2001 - 2012), Sprinter 313
(2002 - 2012), Sprinter 413 (2002 - 2012).
Caminhão: Accelo 715 (2003 - 2011). Motores: OM
611, OM 612, OM 629, OM 640, OM 642, OM 646.
A009.153.51.28

Mercedes-Benz: Sensor de pressão do EGR nos
motores. OM651, Sprinter 311 (2013 - 2015), 415
(2013 - 2019), 515 (2012 - 2019), 314 (2019 - 2023),
416 (2019 - 2023), 516 (2019 - 2023).

Smart: Sensor de pressão do combustível.
Fortwo diesel.



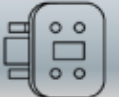
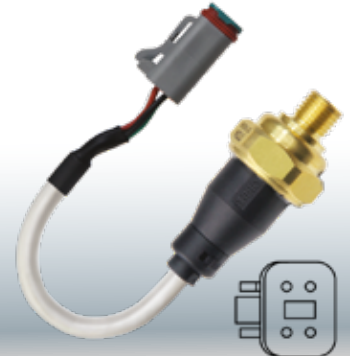
7724

LINHA PESADA



1393113 - 1452862 - 1488340 - 1881260

Scania: Sensor de pressão do óleo.
Caminhões, ônibus. Série 4.



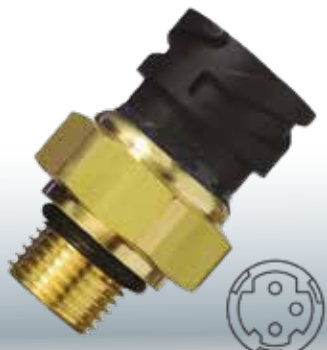
7725

LINHA PESADA



20528336 - 20829689 - 23269488 - 70351731
70351745

Volvo: Sensor de pressão de ar do sistema de freio.
Caminhão FH, FH10, FH12, FH16, FL6, FL10, FM,
FM7, FM9, FM10, FM12, NH12, VM 270, VM 330,
ônibus B12B, B7M, B12M, B7R, B9R, B9S.



7726

LINHA PESADA



MWM: Sensor de pressão de óleo.
Motores Maxxforce 4.8 e 7.2.

20375013 - 20428456 - 20484678 - 20796740

20886108 - 20898038 - 21302639 - 21540602

21634021 - 22899626

Volvo: Sensor de pressão de óleo e lubrificante
combustível (baixa pressão).
B12B, B9L, B12M, B9TL, B9R, B7R, B6R, FH, FH12,
FH16, FM12.



7728

LINHA PESADA



A693.542.70.18 - A979.542.01.18

Mercedes-Benz: Sensor de pressão de ar.
Acello, 1938S.

441.040.009.0 - 441.040.023.0

Wabco



7729

LINHA PESADA



6020101253005

Agrale: Sensor de pressão de óleo.

A979.542.03.18

Mercedes-Benz: Sensor de pressão de ar.
Acello após 2006.

7001482C1

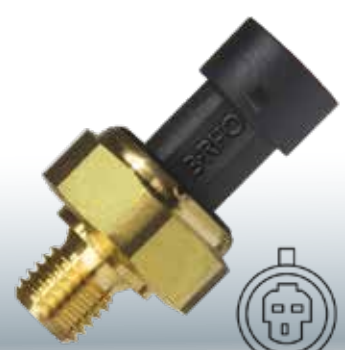
MWM: Sensor de pressão de óleo.
Motores, Maxxforce 4.8 e 7.2.

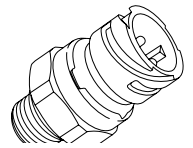
6020101253005

Volare: Sensor de pressão de óleo.

21538791

Volvo: Caminhão VM Euro 5, ônibus B7FB.





7730

LINHA PESADA

M16 x 1,5

2R2.945.511

VW: Sensor de pressão de ar.

Caminhões, ônibus. 18.330 (após 2012)

Constellation: 14.190, 15.190, 17.190, 17.230, 17.250, 17.260, 17.280, 17.320, 17.330, 19.320, 19.330, 19.360, 19.370, 19.390, 19.420, 23.230, 24.250, 24.260, 24.280, 24.320, 24.330, 25.320, 25.360, 25.380, 25.390, 25.420, 25.480, 26.260, 26.280, 26.370, 26.390, 26.420, 31.260, 31.280, 31.320, 31.330, 31.370, 31.390, 33.460, 33.480

Delivery: 5.150, 8.160, 9.160, 10.160, 13.190

Worker: 13.190, 15.190, 23.230

Ônibus 5.150, 8.160, 9.160, 10.160, 15.190, 17.230, 17.260, 17.280, 18.280



7731

LINHA PESADA

M14 x 1,5

4087991 - 4087991NX - 4358810 - 4921517 4921744

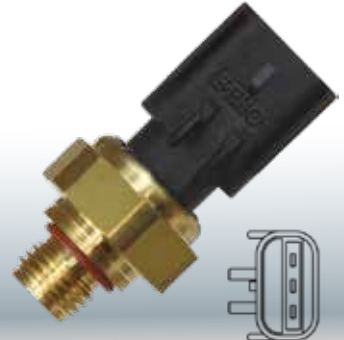
Cummins: Sensor de pressão de óleo.
Motores ISX, ISM, ISX11.9, ISX15.

BG6X.9F479.AA

Ford: Sensor de pressão de óleo.
Cargo (2006 - 2011).

2T2.906051.E

VW: Sensor de pressão de óleo.
Constellation 19-320.



7732

LINHA PESADA

0.281.002.246 - 0.281.002.247 - 0.281.002.576 0.281.006.123 - 0.281.006.282 - 0.281.006.283

Bosch

2859674

CNH

4893926

Cummins

1399522

Daf: 65 CF, LF 45/55, CF 65.

BG5X-9D290-BA

Ford

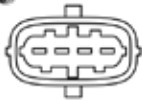
504358206 - 04890193 - 42563048

Iveco: Stralis Euro 3 380, 390, 410, 420, 460 (2008 - 2011), Stralis Ecoline Euro 5 400, 440, 480, 560 (após 2012), Stralis Hi-Way Euro 5 440, 480, 560 (após 2012), Stralis Hi-Road Ecoline Euro 5 440, 480, 560 (após 2012), Trakker Eur 3 380, 420 (2008 - 2011), Trakker Ecoline 440, 480 Euro 5 (após 2012), Cursor Euro 3 330 (2009 2011), Eurocargo 170E22, 170E24, 230E22, 230E24, 260E25 (1998 - 2012), Tector Euro 3 170E22, 170E25, 240E25, 260E25 (2010 - 2011), Tector Euro 5 170E22, 170E28, 240E30, 260E28, 260E30 (após 2012), Tector EcolineEuro 5 17-280, 17-300, 24-280, 24-300, 31-300 (após 2019), Tector Ecoline Euro 5 9-190, 11-190 (após 2019), Vertis Euro 3 90V16, 130V18 (2010 - 2011), Vertis Euro 5 90V18, 130V19 (após 2012).

51.09413.7002 - 51.27421.0156

51.27421.0169

Man: F/M/L 2000, F/M/G 90, F 7/8/9, TGA, TGL, TGM, TGS, TGX.



A004.153.20.28 - A009.153.47.28

Mercedes-Benz: Sensor de pressão e temperatura de óleo.

Motores 904, 906, 924, 926.

Caminhões: 712C (1999 - 2004), 914C (1999 - 2004), 1215C (2000 - 2004), 1718M (2001 - 2007).
Accelo (2006 - 2016), Accelo 915C (2003 - 2005).
Atego 1315 (2004 - 2010), L1218 EL (2001 - 2004), L1418 EL (2001 - 2005).

961200690014

MWM

2R0.906.051.B

VW: Volksbus 5.140, 8.150, 9.150, 15.190, 16.260, 17.230.

7733

LINHA PESADA

7/16" x 20 UNF

1839415C91

MWM: Sensor de pressão de óleo.

Motores NGD 9.3E, 4-07 VT365, 04-07 DT466, 04-07 DT570, 07-13 MaxxForce DT, 07-13 MaxxForce 9, 07-13 MaxxForce 10.

2U2.919.081

VW: Sensor de pressão de óleo.

Constellation 19-320, 19-370, 25-320, 25-370, 26-260, 26-370, 31-260, 31-320, 31-370.



7734

LINHA PESADA

1385733 - 1607418

Daf: LF 45/55, 65/75/85 CF, CF 65, CF 75 /IV, CF 85 /IV, XF 95/105.

BH5X.2D244.AA

Ford: Cargo.

42548333

Iveco: Stralis.

K046313 - II35529004 - II39746 F

Knorr Bremse: Sensor de pressão do ar comprimido.

A000.430.36.07 - A000.430.38.07 - A000.430.46.07

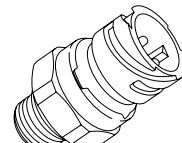
Mercedes-Benz: Caminhões: 1938 S, 1944 S, LS 1938.

Atego (1315, 1418, 1518, 1718, 1715).

Axor (1933, 2035, 2040, 2044, 2533, 2540, 2544, 2640, 2644, 3340, 3344, 4140, 4144).

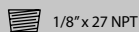
Ônibus: 0500R, 0500 RS, 0500 RSD.





7735

LINHA LEVE



1/8" x 27 NPT

1S10853 - 1S7937 - 5080472AA - 5093908AA
514906AA - 5149062AA - 5149062AB
5149064AA - 56028807AA - 56028807AB
5604477AA - 68060337AA - 7B0919081B
7B0919081C - PS401- PS598 - PS701

Chrysler: Sensor de pressão de óleo.
200 (2011 - 2016), 300 (2005 - 2016), Aspen (2007 - 2009), Pacifica (2008), Sebring (1998 - 2008), Town & Country (2011 - 2016).

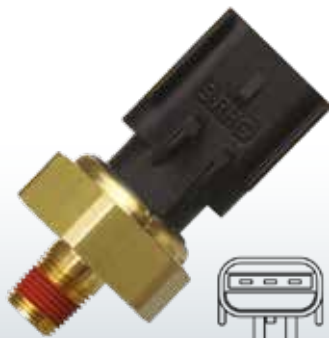
Dodge: Sensor de pressão de óleo.
Avenger (2011 - 2014), Challenger (2008 - 2016), Charger (2006 - 2016), Dakota (2001 - 2011), Durango (2002 - 2016), Grand Caravan (2011 - 2016), Journey (2011 - 2016), Magnum (2005 - 2008), Nitro (2007 - 2011), Ram 1500 (2005 - 2010), Ram 2500 (2009 - 2010), Ram 3500 (2009), Viper (2003 - 2017)).

Eagle: Sensor de pressão de óleo.
Talon (1998).

Jeep: Sensor de pressão de óleo.
Cherokee (1999 - 2016), Commander (2006 - 2010), Grand Cherokee (1999 - 2016), Liberty (2002 - 2006), Wrangler (1999 - 2016).

Ram: Sensor de pressão de óleo.
1500 (2011 - 2016), 2500 (2011 - 2016), 2500 (2011 - 2016), C/V (2012 - 2015), Promaster 1500 (2014 - 2016), Promaster 2500 (2014 - 2016), Promaster 3500 (2014 - 2016).

VW: Pressão de óleo. Routan (2012 - 2014).



7736

LINHA PESADA



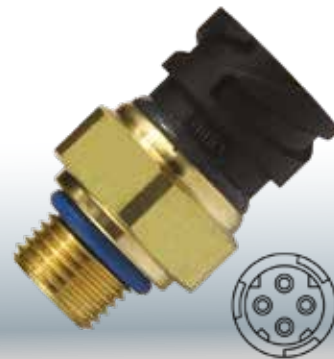
M16 x 1,5

7420499340 - 7420796744 - 7421634017
7421746206 - 7485116444

Renault Trucks: Kerax DXi, Magnum DXi 12/13, Premium II TR/PR, 11/13.

20452439 - 20484676 - 20499340 - 20796744
20905373 - 21634017 - 21746206

Volvo: Sensor de pressão do cárter.
Caminhões FH 12 (2001 - 2005), FH 16 (2003 - 2006), FM 9 (2001 - 2005), FM 12 (2001 - 2005), FH/FM (2005 - 2012), FMX, NH 12.
Ônibus com motores D e DH, B-9 L/R/S/TL, B-11 R, B-12B/M, B-13R.



7737

LINHA PESADA



M16 x 1,5

7420514065 - 7420803650

Renault Trucks: Caminhões: Midlum II DXi 5/7, Premium II TR/PR/DXi 7, Magnum DXi 12/13, D/C/T Truck.

20483889 - 20514065 - 20803650

Volvo: Caminhões: FL, NL, FH, FM, FMX, NH.
Ônibus: B9, B11, B12, B12M, B13.
Sensor de pressão de ar, sensor de suspensão do eixo, sensor da suspensão pneumática, sensor do tanque de ar do semi-reboque, sensor indicador de carga.



7738

LINHA LEVE



M10 x 1,25

37260-RNA-A01 - 499000-7931

Honda: Sensor de pressão de óleo do comando de válvulas.
Accord (2008 - 2017), Civic (2006 - 2015), CRV 4WD (após 2007).



7740

LINHA PESADA



M16 x 1,5

Aplicado na suspensão pneumática.

1296494 - 1506009

Daf

98472891

Iveco

81274210163 - 81274210268 - 81274210244

88255030091

Man: Caminhões F, M, L, G, TGA, TGL, TGM, TGS, TGX.

A001.542.17.18 - A003.542.25.18

A005.542.58.18

Mercedes-Benz: Caminhões: Actros, Antos, Arocs, Atego, Axor, Econic.
Ônibus: O 500-Series, Setra S 400, Setra 500, BM.

1383410 - 1384310 - 1448083 - 1541703

1738460 - 1781199

Scania: Caminhões: P, G, R, T.

Ônibus F, K, N.

441.040.006.0 - 441.040.007.0 - 441.040.013.0

441.040.017.0 - 441.044.001.0 - 441.044.101.0

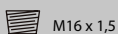
441.044.105.0 - 441.044.107.0 - 441.044.108.0

Wabco



7739

LINHA PESADA



M16 x 1,5

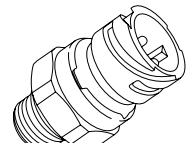
1729395 - 1898652

Scania: Caminhões Séries P, G, R (módulo do EBS), ônibus F, K, N.

441.044.003.0 - 441.044.103.0 - 044.040.014.0

Wabco





7741

LINHA PESADA

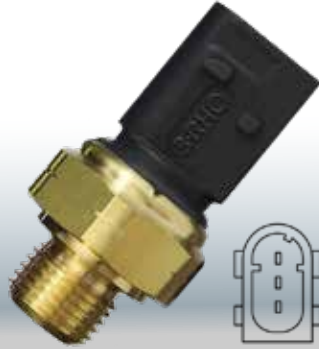


1889798

Scania: Sensor de pressão de ar.
Séries P, G, R.

441.044.202.0

Wabco



7742

LINHA PESADA

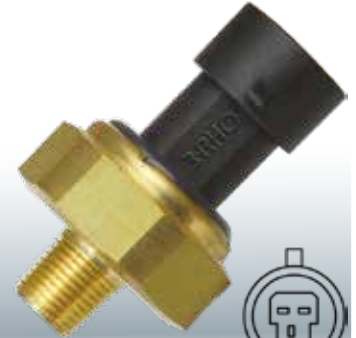


580051890 - 582006499

Yale: Sensor de pressão de óleo do motor.
Empilhadeiras com motores Mazda 2.2, GM 2.4.
GDP60VX, GLP050VX, GLP055VX, GLP060VX,
GLP070VX.

1566654

Hyster: Pressão de óleo do motor.
Empilhadeiras com motores Mazda 2.2, GM 2.4.
H50FT, H55FT, H60FT, H70FT.



7743

LINHA PESADA



4928593

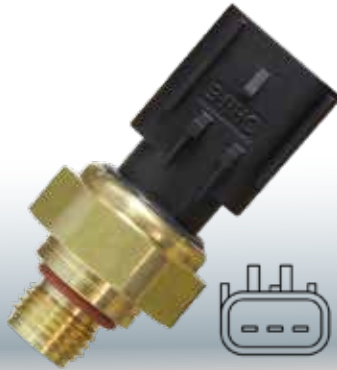
Cummins

BG6X.9F479.BA

Ford: Sensor de pressão do turbo.
Cargo (1832E, 2632E, 2932E, 3132E, 4432, 4532E,
5032E, 6332E).

2T2.906.051F

VW: Sensor de pressão do turbo.
Constellation.



7744

LINHA PESADA



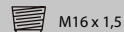
A006.153.74.28

Mercedes-Benz: Sensor de pressão de ar da válvula
dosadora Arla Euro V.
Accelo, Actros, Atron, Axor, ônibus.



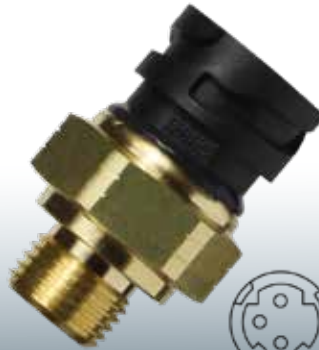
7745

LINHA PESADA



1767616- 2544657

Scania: Radiador de óleo.
Caminhões, ônibus. Série 4, F, K, N.
Caixas GR 875 /R, GRS-GRSO 895 /R, GR-GRS-GRSO
905 /R, Série P, G, R, S (DC 9, DC 13, DC 16).



7746

LINHA PESADA



7421345733

Renault Trucks: Kerax, Magnum, Premium.

21345733 - 3092622

Volvo: Sensor de pressão de óleo do retarder.
Caminhões, ônibus. FH, FM, FMX, NH.



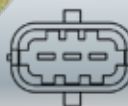
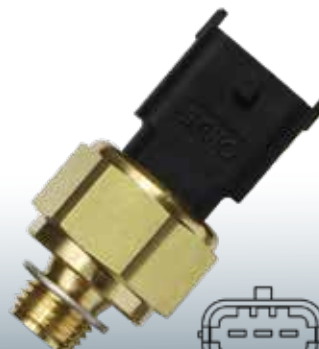
7748

LINHA PESADA



20450687 - 21291011

Volvo: Máquinas de construção.
EC200B+, EC210B, EC240B, EC290B, EW140B,
EW145B, EW160B, EW180B, EW200B, L50E,
L60E, L70E, L90E, L110E, L120E.



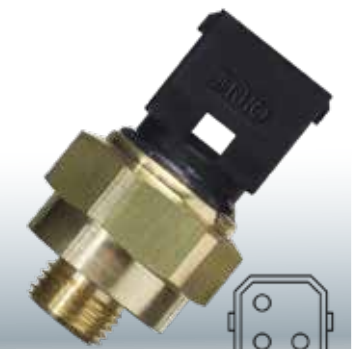
7749

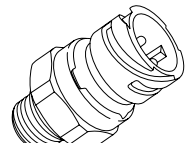
LINHA PESADA



3962893 - 8143247 - 8156776

Volvo: Sensor de pressão de óleo.
Caminhões FH, FM, FMX, NH 9/10/11/12/13/16,
motores D12A, D16A.





7750

LINHA PESADA



7/16" x 20 UNF

2070263

Hyster: Sensor de pressão de óleo do motor.
Empilhadeira H40-120FT.

580051796

Yale: Sensor de pressão de óleo do motor.
Empilhadeira 40-120 VX.



7751

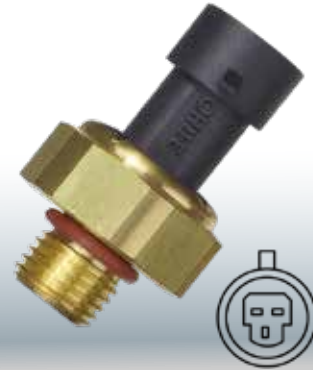
LINHA LEVE



M14 x 1,5

12570798 - 12621649 - 12621659

GM: Sensor de pressão de óleo do motor.
Omega (1999 - 2009), Omega 2011, Trailblazer
(2015 - 2016).



7752

LINHA PESADA

A000.430.39.07 - - A003.542.74.18

Mercedes-Benz: Caminhões: Actros, Antos, Arocs,
Atego, Axor.
Ônibus: BM 444, 634., O 500, Setra S400, S500.

932.500.501.1 - 441.043.502.1

Wabco



7753

LINHA LEVE



M12 x 1,5

12617592532

BMW: Sensor de pressão de óleo.
118i (2013 - 2015), 125i (2011 - 2012), 135i (2011 -
2013), 335i (2011-2015), 435i (2014 - 2015), 435i
Gran Coupe (2015), 535i (2011 - 2016), 535i GT
(2011 - 2015), 640i (2012 - 2015), 640i Gran Coupe
(2013 - 2015), 740Li (2013 - 2015), 740i (2013
- 2015), 740Li (2013 - 2015), ActiveHybrid 3 (2013-
2015), ActiveHybrid 5 (2012 - 2016), ActiveHybrid
7 (2013- 2015), M235i (2014 - 2016), M2 (2016-
2018), M3 (2015 - 2016), M4 (2015 - 2016), X1
(2013- 2015), X3 (2011 - 2017), X4 (2015 - 2016),
X5 (2011 - 2018), X6 (2011 - 2019), Z4 (2013).

Citroen: Sensor de pressão de óleo.
C4 Lounge 1.6 THP, C4 Pallas 1.6 THP, C4 Picasso
1.6 THP, DS3 1.6 THP, DS4 1.6 THP, DS5 1.6 THP.

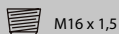
Mini: Sensor de pressão de óleo.
Cooper 1.6 Turbo (2012 - 2015), Countryman 1.6 Tur-
bo (2012 - 2016), Paceman 1.6 Turbo (2013 - 2016).

Peugeot: Sensor de pressão de óleo.
208 1.6 THP, 308 1.6 THP, 408 1.6 THP, 508 1.6 THP,
3008 1.6 THP, 5008 1.6 THP.



7754

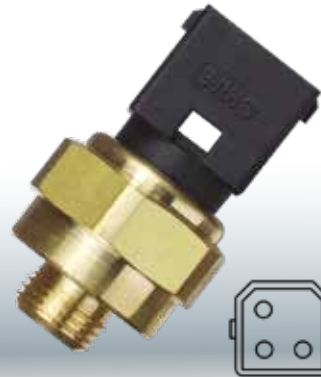
LINHA PESADA



M16 x 1,5

3962894

Volvo: Sensor de pressão de ar.
FH 12 (1993-1998), FH 16 (1993-1998), FM, FMX,
NH.



7755

LINHA PESADA



M16 x 1,5

1450872 - 1652528 - 1737516 - 1783123

Daf: 95 XF, CF 75, CF 85, LF 55, XF 95, XF 105.

41200718 - 504103341 - 504255336

Iveco: Sensor de pressão de ar.
PowerStar, Stralis, Trakker.

1934575

Scania

441.040.015.0 - 441.044.002.0 - 441.044.004.0

441.044.102.0 - 441.044.104.0

Wabco



7757

LINHA PESADA

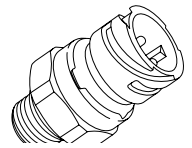


M16 x 1,5

A006.153.75.28

Mercedes-Benz: Sensor de pressão Arla 32.
Accelo (após 2012), Actros (após 2012), Atron (após
2012), Axor (após 2012).





7758

LINHA PESADA



0484205003000 - 0484205003750
0484205004000 - 048420500413V
04842050046R5 - 0484205006000
0484205006N00 - 0484205007000
048420500720A - 0484205007750

Knorr-Bremse

81274210202

Man: Sensor de pressão de ar.

TGX 28.440 (2013 - 2022), 29.440 (2012 - 2022),
29.480 (2016 - 2022), 33.440 (2013 - 2022).

2V5.947.561F

VW: Sensor de pressão de ar.

Meteor 28.460 (2020 - 2022), 29.520 (2020 - 2022),
28.480 (após 2022), 29.530 (após 2022).

1362168

Scania: Sensor de pressão de ar.

94 (1998 - 2009), 114 (1998 - 2008), 124 (1998 -
2008), 164 (1901 - 2008).

3173630

Volvo: Sensor de pressão de ar.

B12M (2004 - 2011), B12B (2003 - 2011).



7759

LINHA LEVE



06E.906.051E - 06E.906.051J - 06E.906.051K -

Audi: Sensor de pressão do combustível.

A3 2.0, A4 2.0, A4 3.2 V6, A6 3.0 TDI V6 diesel, A6 3.0
V6, A7 3.0 V6, Q5 3.0, Q5 3.2 V6, Q7 3.0L V6, R8 4.2L
V8, R8 5.2 V10, RS4 4.2 V8, RS5 4.2 V8, S4 3.0 V6, S4
4.2 V8, S5 3.0 V6, S5 4.2 V8, TT RS 2.5, TTS 2.0.

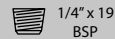
VW: Sensor de pressão do combustível.

Amarok, EOS, Golf R, Jetta 2.0, Jetta 2.0T, Jetta GLI
2.0, Passat (2006 - 2010), Tiguan (2006 - 2013),
Touareg 3.0 V6, Touareg 4.2 V8.



7760

LINHA PESADA



11038812, 11039574, 15047336

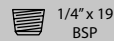
Volvo: Sensor de pressão de óleo.

FH 12 (2001 - 2005), FM 9 (2001 - 2005), FM 12
(2001 - 2005), FH/FM (2005 - 2012).



7761

LINHA PESADA



11039549

Volvo: Válvula seletora de mudança.

Carregadeiras L70B, L70C, L70D, L90C, L120B, L150
(1001 até 2080), L150, L180C HL, L330C.



7762

LINHA PESADA



K060758N00

Knorr-Bremse

2S2.947.561

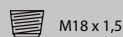
Man/VW: Sensor de pressão do ar.

Delivery 9-170 (após 2017), 9-180 (após 2023), 11-180
(após 2017), 13-180 (após 2018), 13-180 (após 2018).
Constellation 14-210 (após 2023), 17-210 (após 2023),
17-280 (2012 - 2022), 17-330 (2012 - 2018), 18-210
(após 2023), 18-260 (após 2023), 19-330 (2013 - 2020)
19-360 (2016 - 2020), 24-280 (2012 - 2022), 24-330
(2011 - 2018), 25-330 (após 2013), 26-260 (após 2023),
27-260 (após 2023), 30-280 (após 2019), 30-330 (após
2019), 31-320 (após 2023), 31-330 (após 2018), 31-390
(2012 - 2018), 32-360 (após 2019), 32-380 (após 2023),
33-460 (após 2020).



7764

LINHA PESADA



Original na cor preta. 6 bar

51274210163 - 51274210246 - 51274210262

Man: Sensor de pressão de óleo.

Caminhões F/M/L 2000, F/M/G 90, F 7/8/9 D
0834/0836, D 2842/2866, D 2868/2876, TGA/
TGL/TGM/TGS/TGX D 0834/0836, D 2066/2676,
DD 2840/2866, D 2868/2876, Bus/Neoplan
D 0834/0836, D 2066/2676, D 2866/2876,
E 2866, E/G. 2876.

07W.130.758.A - 07W.130.758.G

VW: Sensor de pressão de óleo.

Ônibus OMD 15.190/17.230/17.260,
OMT 17.280/18.280.
Worker 13.190, 15.190, 17.190, 17.230,
23.230.



7765

LINHA PESADA



Original na cor amarela. 15 bar

51.27421.0247 - 51.27421.0263

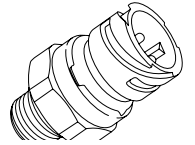
Man: Sensor de pressão do combustível do ar, do
escape. TGX 28-440, TGX 29-440, 33-440, ônibus
Advantech.

07W.130.758.B - 07W.130.758.H

VW: Sensor de pressão do combustível, do ar, do
escape.

Caminhões Constellation. Constellation: 13.190,
14.190, 14.210, 15.190, 17.190, 17.210, 17.230,
17.260, 17.280, 18.210, 18.320, 23.230, 24.260,
24.280, 25.480, 26.260, 26.280, 26.320, 27.260,
30.280, 30.320, 31.280, 31.320, 33.480
Meteor: 28.460, 28.480, 29.520, 29.530
Ônibus: 15.190, 17.230, 17.260, 17.280, 18.280
Worker: 15.190, 17.230, 17.190, 23.230





7766

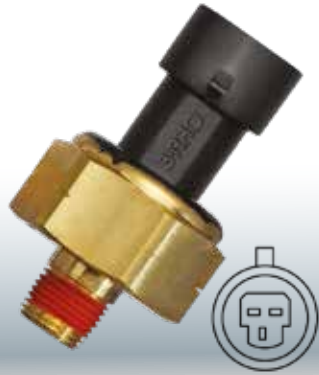
LINHA PESADA



1/8" x 27 NPT

RE167207

John Deere: Sensor de pressão de óleo da transmissão. 3510, 3520, 3522.



7768

LINHA LEVE



M16 x 1,5

12621234, 12630433, 12673134 - 2134411

Buick: Pressão de óleo.

Allure, Cascada, Encore, Envision, Lacrosse, Regal

Cadillac: ATS, CT4, CT5, CT6, CTS, Escalade, XT4, XT5, XT6.

Chevrolet: Avalanche, Camaro, Caprice, Colorado, Corvette, Express 1500, Express 2500, 3500, 4500, Impala, Malibu, Silverado 1500, 2500, 3500, Spark, SS, Suburban, Tahoe, Trailblazer, Volt.

GMC: Acadia, Canyon, Envoy, Savana, Sierra, Terrain, Yukon.

Hummer: H2, H3.

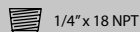
Pontiac: G8.

Saab: 9-7X.



7770

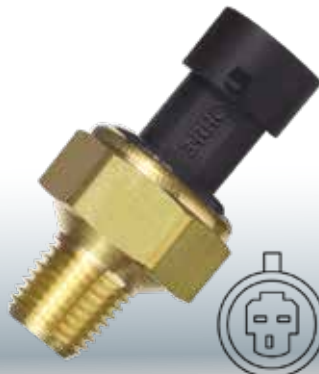
LINHA PESADA



1/4" x 18 NPT

40417829

LS Tratores: Sensor de pressão de óleo do motor. Plus 80.



7771

LINHA PESADA



M14 x 1,5

1780795 - 1911032

Scania: Sensor de pressão de escape.

Caminhões série L, P, G, R, S, T (motores DC 9, DC 13, DC 16).

Ônibus série 4,



7772

LINHA PESADA

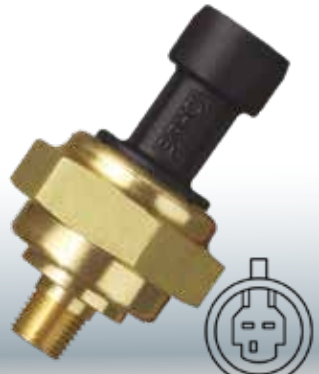


1/8" x 27 NPT

6674315

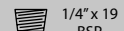
Bobcat: Pressão de óleo.

751, 753, 763, 773, 863, 864, 873, 883, 963, A220, A300, S130, S150, S160, S175, S185, S205, S220, S250, S300, S330, T140, T180, T190, T200, T250, T300, T320.



7773

LINHA PESADA



1/4" x 19 BSP

17216318

Volvo CE: Sensor de pressão da transmissão.

Motoniveladora G940, G940B, G946, G946C, G960, G990.



7774

LINHA PESADA



M12 x 1,5

274-6721- 278-5225

Caterpillar: Sensor de pressão de combustível ou óleo lubrificante (0 – 7 bar).

Caminhão fora de estrada 793, 794, 795, 796, 797.

Carregadeira de rodas 924, 928, 930, IT28G.

Escavadeira 311D, 312D, 313D, 314D, 315D, 319D,

320D, 321D, 323D. Manipulador telescópico

TH220B, TH330B, TH340B, TH350B, TH355B,

TH360B, TH460B, TH560B, TH580B.

Escavadeira sobre rodas M313C, M315C, M316C,

M318C, MH, M322C.

Motores 798 AC, 3612, C18, C32, C7.1, C175-16,

C175-20, 3054E, 3056E.

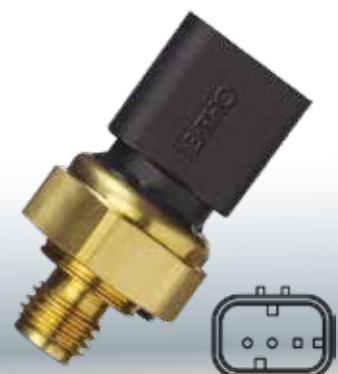
Pavimentadora de asfalto AP-600, AP-655C, BB-760, BG-2255C.

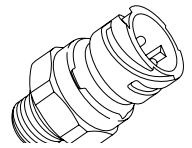
Retroescavadeira 432E.

Rolo compactador CP-57E, CS63, CS63-563, CS3,

CS3 563, CS-573, 563, CS-573, CS3-563, CS3-S3

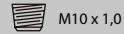
53E, CS-57E, CS-663E, CS-683E.





7775

LINHA LEVE



13500744 - 15239857

Aplicado na pressão de combustível

Cadillac: Escalade 6.2L V8 (2008 - 2009).

Buick: Enclave CX 3.6L V6 (2009).

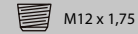
GM: Avalanche 5.3 V8 - (2008 - 2009), Captiva 2.4L, 3.5L e 3.6V6 (2008 - 2009), Colorado 2.9L, 3.7L, 5.3L (2009), Express 1500 5.3 V8 (2008 e 2009), Omega 3.6 V6 (2008 - 2009), Silverado 1500 4.8L, 5.3L V8 (2007 - 2009), Tahoe 5.3L V8 (2008 - 2009).

Hummer: H2 6.2L V8 (2008 - 2009), H3 3.7L, 5.3L (2009).



7776

LINHA LEVE



12661808 - 25202591

GM: Sensor de pressão de óleo do motor.

Equinox 2.0 Turbo (2018 - 2021), S10 2.5 gasolina (após 2015).



7777

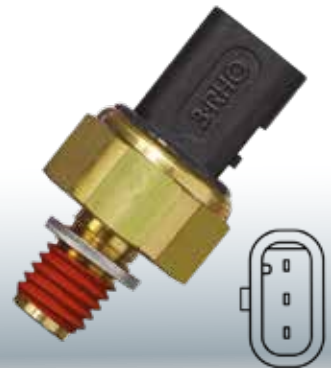
LINHA LEVE



12637356 - 55488247

GM: Sensor de pressão de óleo do motor, sensor com sextavado 24mm.

Camaro V8 5.7 (após 2016), Cruze 1.4 turbo (após 2018), Equinox 1.5 turbo (após 2020), Tracker 1.4 turbo (2017 - 2020).



7778

LINHA PESADA



6697920 - 7321588

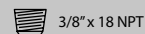
Bobcat: Pressão de óleo.

A300, A770, S130, S150, S160, S175, S185, S205, S250, S300, S330, S510, S530, S550, S570, S650, S750, S770, S850, T140, T180, T190, T250, T300.



7779

LINHA LEVE



Chrysler: 200 2.4.

Fiat: Toro 2.4 (2016 - 2021), 500X (2.4).

68295557AA

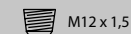
Jeep: Compass 2.4, Cherokee 2.4

Ram: ProMaster City (2018 - 2019).



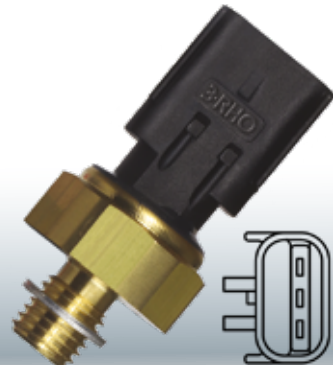
7780

LINHA LEVE



05149038AB - 05149065AA

Jeep: Grand Cherokee (2007 - 2009).



7781

LINHA PESADA

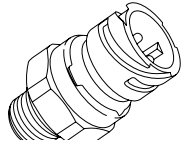


4921499

Cummins: Pressão de óleo.

Motores QSX15, ISX CM570, ISX CM870, ISX CM2150.





7782

LINHA PESADA



274-6720

Caterpillar: Sensor de pressão do Turbo (0 - 2 bar).

Carregadeira de rodas 924, 928, 930, IT38H, IT29G.
Compactador de pavimentação CP-563E, CP-573E,
CP-663E, CS-563E, CS-573E, CS-583E, CS-663E,
CS-683E.

Escavadeira 311D, 312D, 313D, 314D, 315C, 315D,
318D, 319D, 320D, 321D, 323D.

Escavadeira de rodas M313C, M315C, M316C,
M318C, MH, M322C.

Manipulador Telescópico TH220B, TH330B, TH340B,
TH350B, TH355B, TH360B, TH460B, TH560B, TH580B.

Motor industrial C175-16, C175-20, C6.6, 3054E,
3056E.

Pavimentadora de asfalto AP-600, AP-655C, BB-760,
BG-2255C.

Retroescavadeira 432E.



7783

LINHA PESADA



161.1704

Caterpillar

Pressão de óleo do motor.

Challenger: 65C, 65D, MT735, MT745, MT755,
MT765, MTC735, MTC745, MTC755, MTC765.

Caminhão de mineração: 793D.

Carregadeira: IT62H, 950H, 962H, 966D, 966E, 966F,
966F II, 994F.

Compactador: 815B, 815F II, 816F II.

Escavadeira: M330D, 324D, 324D, FM 324D, L 324D,
LN 325D, 325D, FM 325D, FM LL 325D L, 325D, MH

328D, LCR 329D, 329D L, 329D LN, 330C, 330C FM,
330C L, 330C LN, 330C MH, 330D, 330D FM, 330D L,

330D LN, 330D MH, 336D, 336D L, 336D LN.

Fresadora de asfalto: PM-102.

Máquinas de trabalhos florestais: 2290, 2390, 2391,
2491, 2590, 324D, FM, 324D, FM, LL, 511, 521, 522,

532, 541, 551, 552, 573, 584, 584HD, TK711, TK721,
TK722, TK732, TK741, TK751, TK752.

Manipulador de materiais: C7, M325D L MH, M325D
MH.

Motoniveladora: 120K, 12H, 12K, 140G 140K, 140K
2, 140M, 160K, 160M.

Motores: 3508, 3508B, 3512B, 3512C, 3516B, 3516C,
3612, VC-10, C-12, C-15, C18, C7, C9, CPT372, S-

BF214, SUF557.

Pavimentador de asfalto: AP-1000D, AP-1055D,
AP-755, BG-2455D, BG-260D.

Skidder: 525C, 535C, 545C.

Raspador: 627G, 637D, 637E, 637G.

Trator: 814F II.

Trator esteira: D6R, D6R, II, D6R, III, D6R, LGP, D6R,
STD, D6R, XL, D6T, D7R, D7R, LGP, D7R, XR.



7784

LINHA PESADA



RE163656 - RE217077

John Deere: Sensor de pressão de óleo da
transmissão.

7180J, 7185J, 7200J, 7205J, 7215J, 7230J, 8270R,
8295R, 8320R, 8345R, 8370R, 9230, 9330, 9410R,

9430, 9460R, 9460RT, 9510R, 9510RT, 9530, 9560R,
9560RT, 9630.



7785

LINHA LEVE



8W83.9F972.AA - 8W83.9F972.CB

GJ32.9F972.AA

Ford: Sensor de pressão de combustível.

Fusion Titanium 2.0 EcoBoost AWD (2013 - 2018),
Edge EcoBoost (2013 - 2018).

LR015356 - LR079937

Land Rover: Sensor de pressão de combustível.

Freelander 2 2.0 turbo,
Range Rover Evoque 2.0 gasolina (2012 - 2018).

A004.542.16.18

Mercedes-Benz: Sensor de pressão de combustível.

E 250 - 2.1L diesel (2014 - 2015), GL 350 3.0 V6
diesel (2013 - 2015), GLK 250 - 2.1L diesel (2013 -
2015), ML 250 - 2.1L diesel (2015), Sprinter 2500
2.1L diesel (2014-2015), Sprinter 2500 3.0L V6 diesel
(2013 - 2015), Sprinter 3500 3.0L V6 diesel (2013 -
2015), Sprinter 3500 - 2.1L diesel (2014 - 2015).

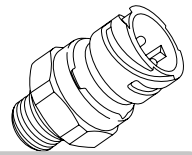
8W83.9F972.AA - 8W83.9F972.CB

AK3NA - GJ32.9F972.AA

Volvo: Sensor de pressão de combustível.

XC60 2.0 T5 (2010 - 2020), S60 2.0 (2011 - 2020).





7787

LINHA LEVE



Cadillac: SRX 3.6L V6 (2012 - 2016).

Buick: Regal 2.0L (2012 - 2013).

13500745

Aplicado na pressão de combustível.

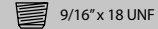
GM: Camaro (2011-2015), Captiva 2.4L (2011-2013), Captiva 3.0L (2011-2013), Captiva 3.6L (2010), Caprice 3.6L V6 e 6.0L V8 (2011 - 2013), Corvette 6.2L V8 e 7.0L V8 (2010 - 2011), Express 1500 5.3L V8 - (2010 - 2012), Malibu 2.4L (2013), Silverado 1500 4.3L V6, 4.8L V8, 5.3L V8, 6.2L V8 (2010 - 2011).

GMC: Savana 1500 5.3L V8 (2010 - 2012), Sierra 1500 4.3L V6, 4.8L V8, 5.3L V8, 6.2L V8 (2010 - 2011), Sierra HD 2500 6.0L V8 (2010), Sierra HD 3500 6.0L V8 (2010).



7788

LINHA PESADA



3080406 - 3083716 - 4921487 - 4921215

Cummins: Pressão de óleo.
Motores N14, M11, ISX, L10.



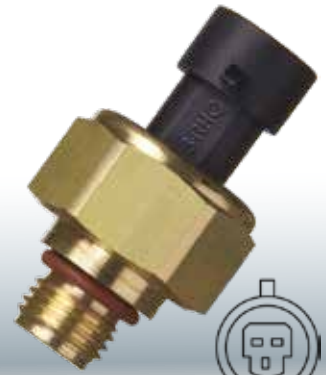
7789

LINHA PESADA



4921497

Cummins: Motores ISB.



7793

LINHA LEVE



13516496 - 13579380

Cadillac: Escalade (2015 - 2020) - Gasolina 6.2.,
ATS (2013 - 2016) - Gasolina 2.0, 2.5 e 3.6.

GM: Sensor de pressão de combustível.

Camaro Conversível (2014 - 2015) - Gasolina 6.2,

Camaro Coupé (2013 - 2015) - Gasolina 6.2,

Captiva (2013 - 2017) - Gasolina 2.4,

Colorado (2015 - 2020) - Gasolina 2.5 e 3.6,

Corvette (2015 - 2019) - Gasolina 6.2,

Express 2500 (2017 - 2020) - Gasolina 4.3 e 6.0,

Express 3500 (2017 - 2020) - Gasolina 4.3 e 6.0,

Impala (2014 - 2020) - Gasolina 2.5 e 3.6,

S10 Cab. Dupla (2015) - Gasolina 3.6,

S10 Cab. Dupla (2015 - 2022) - Gasolina 2.5,

S10 Cab. Simples (2016 - 2022) - Gasolina 2.5,

Trailblazer (2015) - Gasolina 2.5,

Trailblazer (2015 - 2018) - Gasolina 3.6,

Silverado 1500 (2015 - 2018) - Gasolina 5.3 e 6.2,

Silverado 2500HD (2017 - 2020) - Gasolina 6.0,

Silverado 3500HD (2017 - 2020) - Gasolina 6.0.

GMC: Acadia (2013 - 2016) - Gasolina 3.6,

Canyon (2015 - 2021) - Gasolina 2.5 e 3.6,

Savana 2500 (2017 - 2020) - Gasolina 4.3 e 6.0,

Savana 3500 (2017 - 2020) - Gasolina 4.3 e 6.0,

Sierra 2500HD (2017 - 2020) - Gasolina 6.0,

Sierra 3500HD (2017 - 2020) - Gasolina 6.0,

Yukon (2015 - 2020) - Gasolina 5.3 e 6.2.

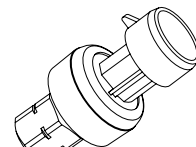




SENSORES ELETRÔNICOS DE AR CONDICIONADO

3-RHO

*AIR CONDITIONER ELECTRONIC SENSORS
SENSORES ELECTRÓNICOS DE AIRE
ACONDICIONADO*



8801

LINHA LEVE

M10 x 1,25

13502759 - 13587668 - 22634172

GM: Agile, Camaro, Captiva, Celta, Cobalt, Corsa, Pick-up Corsa, Corsa Sedan, Classic, Cruze, Malibu, Montana, Omega (2011), Ônix, Prisma, Sonic, Tracker, Trailblazer, S10 (após 2012).



8802

LINHA LEVE

M10 x 1,25

22601618 - 22624066 - 22664328

GM: Blazer (1995 - 2011), Omega (1993 - 1998), Vectra (1997 - 2005), S10 (1995 - 2011).



8803

LINHA LEVE

M10 x 1,25

09131721

GM: Astra, Vectra (2006 - 2011), Zafira.



8804

LINHA LEVE

M10 x 1,25

7700417506

Renault: Clio, Duster, Grand Tour, Kangoo, Megane, Oroch, Sandero, Scenic.



8805

LINHA LEVE

M10 x 1,25

50550372 - 51768288 - 51768498

Fiat: 500, Argo, Bravo, Cronus, Doblo, Ducato, Fiorino, Grand Siena, Idea, Linea, Mobi, Palio, Palio Weekend, Punto, Siena, Stilo, Strada, Toro, Uno.

Jeep: Renegade.



8806

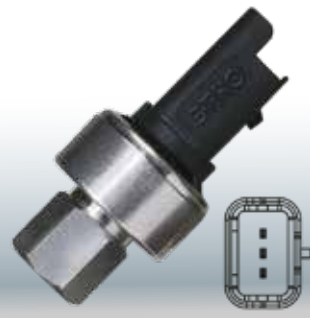
LINHA LEVE

M10 x 1,25

9647971280

Citroen: C3, C4 Lounge, C4 Pallas.

Peugeot: 206, 207, 208, 306, 307, 308, 407, 408, 508, 2008, 3008, 5008.



8807

LINHA LEVE

7/16" - 20 UNF

8E0.959.126 - 8Z0.959.126

Audi: A2, A3, A4, A6, Q7, TT.

95561313700 - 95561313702 - 95561313703

Porsche: Boxter, Cayman, 911, Cayenne, Panamera.

1J0.959.126 - 1K0.959.126.A - 1K0.959.126.B -

1K0.959.126.D - 1K0.959.126.E - 5K0.959.126

VW: Amarok (após 2010), Bora (2001 - 2010), CC (após 2012), Fox (após 2004), Fusca (após 2012), Gol (após 2090), Golf (após 2000), Jetta (após 2005), New Beetle (2000 - 2005), Passat (2009 - 2012), Polo (após 2003), Saveiro (após 2010), Spacefox (após 2011), Tiguan (após 2008), Tuareg (2005 - 2005), up! (após 2014), Voyage (após 2009).



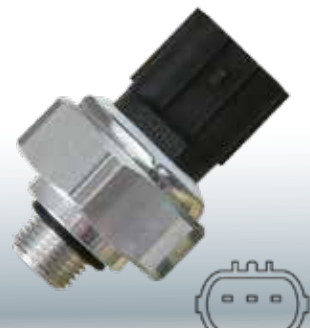
8808

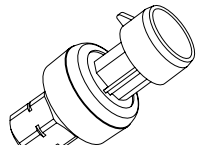
LINHA LEVE

M11 x 1,0

80450-TF2-003

Honda: Accord, City, Civic, CR-V, Fit, HR-V, WR-V.





8809

LINHA LEVE



3/8" - 24
UNF

64530141211 - 64536909257 - 64538370623
64538385390 - 64539141957 - 64539181464
64539323658

BMW: Série 1: 128i (2008 - 2013), 135i (2008 - 2013).

Série 2: 228i (2014 - 2016), 230i (2017 - 2018), 320i (2013 - 2018), 323 ci (2000), 330i (2017 - 2018), 335i (2007 - 2015).

Série 5: 525i (2001 - 2007), 528i (2008 - 2016), 535i (2008 - 2016), 640i (2012 - 2018), 645 ci (2005), 650 ci (2006 - 2007), 650 i (2006 - 2017).

Série 7: 740i (2000 - 2018), 745i (2002 - 2005), 745 li (2002 - 2005), 750i (2006 - 2018).

Série M: M2 (2016 - 2018), M3 (2002 - 2017), M4 (2015 - 2018), M5 (2000 - 2017), M6 (2017).

Série X: X1 (2013 - 2018), X2 (2018), X3 (2004 - 2018), X4 (2015 - 2018), X5 (2000 - 2018), X6 (2008 - 2018).

Híbridas: ActiveHybrid 3 (2013 - 2015), ActiveHybrid 5 (2015 - 2016), ActiveHybrid 7 (2013 - 2015)

Alpina B6 (2016 - 2018), Alpina B7 (2017 - 2018)
i3 (2014 - 2018), i3s (2018), i8 (2014 - 2017)
Z4 (2003 - 2016).

Mini: Cooper (2002 - 2017), Clubman (2017), Countryman (2001 - 2017), Paceman (2013 - 2016).

Rolls-Royce: Dawn (2017 - 2018), Ghost (2010 - 2018), Phantom (2004 - 2018), Wraith (2014 - 2018).



8810

LINHA LEVE



3/8" - 24
UNF

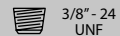
42CP811 - 92136.AZ60A

Nissan: Grand Livina (2010 - 2014), Livina (2010-2014), Livina X-gear (2010 - 2014), March (2012-2016), Sentra (2007 - 2012), Tiida (2008 - 2013), Tiida Sedan (2011 - 2013), Versa (2012 - 2016).



8812

LINHA LEVE



3/8" - 24
UNF

97721-3K000

Hyundai: i10, i20, i30, i40, ix30, ix35, Accent, Azera, Elantra, Entourage, Equus, Genesis, Ioniq, Santa Fé, Sonata, Tuscon, Veloster, Veracruz.

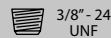
97721-1G000

Kia: Amanti, Cadenza, Forte, Forte 5, K900, Magentis, Niro, Optima, Rio, Rondo, Sedona, Sorento, Soul, Spectra, Sportage.



8813

LINHA PESADA



3/8" - 24
UNF

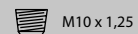
1777165

Scania: Series P, G, R (após 2007).



8814

LINHA INDUSTRIAL



M10 x 1,25

Industrial: 0 a 37 bar, alimentação 5V.

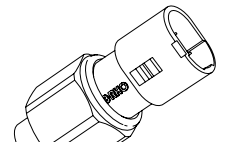




INTERRUPTORES DE PRESSÃO DA DIREÇÃO HIDRÁULICA

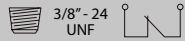
3-RHO

*POWER STEERING SWITCHES
INTERRUPTORES DE PRESIÓN DE
LA DIRECCIÓN HIDRÁULICA*



9901

LINHA LEVE

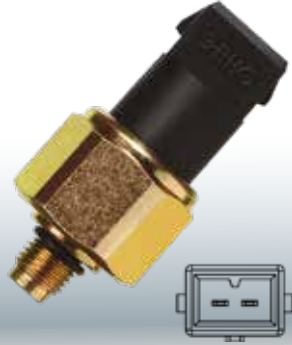


94BP.3N824.AA - 96FP.3N824.BA - ESTZ.3N824.A
F3TZ.3N824.A - F37A.3N824.AA

Ford: Courier (1997 - 2012), Ecosport (2003 - 2012), Escort, Fiesta (1994 - 2012), Focus (2003 - 2009), Ka (1997 - 1999), Mondeo (1996 - 2005), Ranger.

026.919.081.2

VW: Gol, Logus, Parati, Pointer, Santana, Saveiro, Voyage.



9902

LINHA LEVE



Audi: A3, TT.

81J0.919.081

VW: Bora, Gol, Golf, Jetta, New Beetle, Parati, Saveiro.

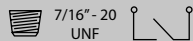
6N0.919.081.A

VW: este número original foi substituído por 1J0.919.081. É necessário trocar o plugue.



9903

LINHA LEVE



4015.10

Peugeot: 206 1.0.

7700435692

Renault: Clio, Duster, Kangoo, Logan, Megane, Sandero, Scenic, Symbol.



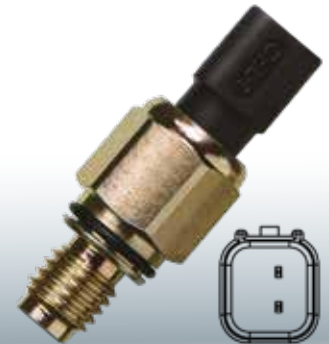
9904

LINHA LEVE



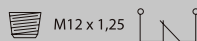
98AB-3N824

Ford: Focus.



9905

LINHA LEVE

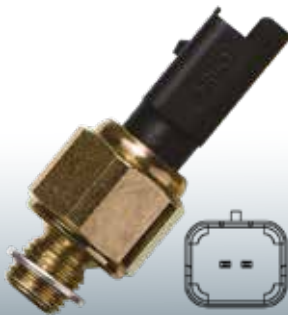


96.778.096.80

Citroen: Aircross, Berlingo, C3, C3 Picasso, C5, Xantia, Xsara, Xsara Picasso.

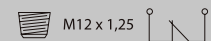
4015.08

Peugeot: 306, 406.



9906

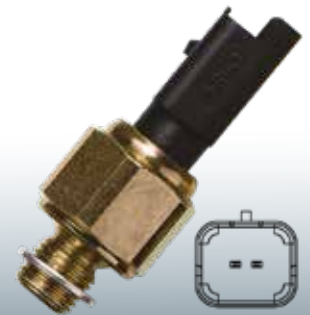
LINHA LEVE



4015.09 - 9677899580

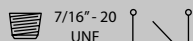
Peugeot: 206, 207, 306, 307, 308, 406, Hogar, Partner.

Citroen: AirCross, Berlingo, C3, C4, C5, C8, Picasso, Xantia.



9907

LINHA LEVE



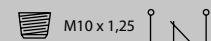
7700413763 - 7700435692

Renault: Clio, Duster, Kangoo, Logan, Megane, Sandero, Scenic, Symbol.



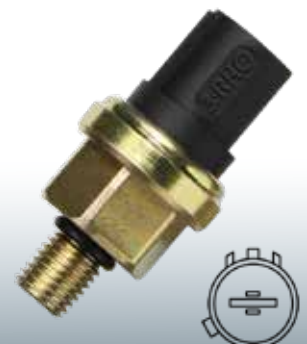
9909

LINHA LEVE



56490-PLA-A51

Honda: Accord (2008 - 2011), Civic (2003 - 2011).



NOTAS:



A large area consisting of two columns of horizontal lines, intended for handwritten notes.



3-RHO

Existem muitas maneiras de conhecer os produtos 3-RHO.

Baixe o Catálogo Eletrônico ou PDF



No site 3-RHO, navegue até a página **Produtos.**

No rodapé escolha o Catálogo Eletrônico (somente Windows) ou PDF para ter as informações no seu computador.



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www.3rho.com.br

Acesse informações online sobre cada produto 3-RHO em:
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e-mail: 3rho@3rho.com.br

www.3rho.com.br

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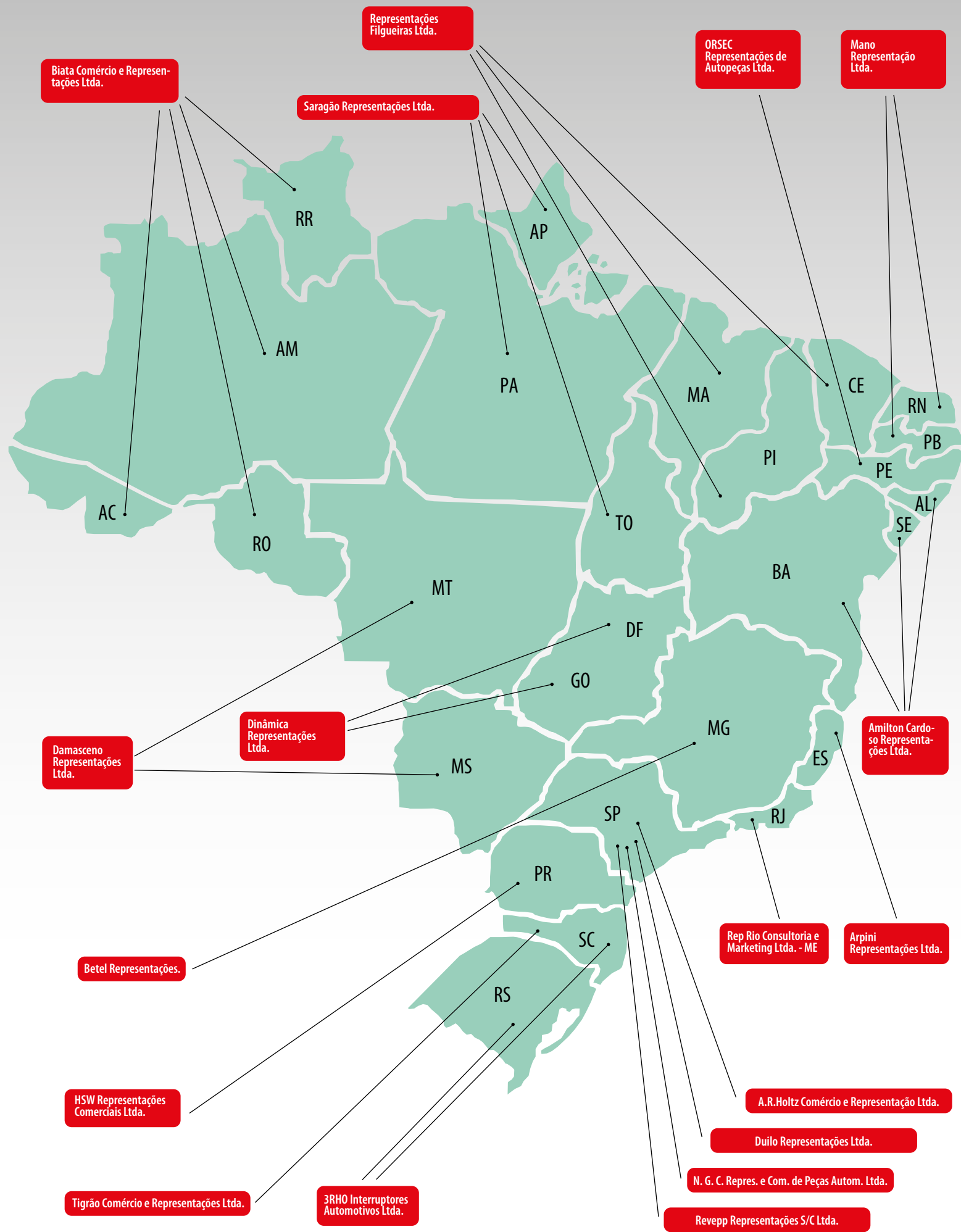
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