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 ph: (410)358-3130 (800)638-1830 fx: (410)358-3142 (800)872-9329 web: http://mdmetric.com

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Secure order form: <http://mdmetric.com/secureform.htm>

| Special characteristics | Operating Pressures | Materials |
|--|---|---|
| simple connecting pieces with internal and external threads, nipples: large number of construction versions offering many possible combinations | Straight connector: 75 bar per DIN 10241 Elbows and T-pieces: ~10 bar Temperature range -110°C to +300°C. | Type 50 = 1.4571 (AISI 316 Ti) Type 51 = 1.4401 (AISI 316) Construction Straight connector: made of stainless steel from bar. Elbows and T-pieces: Die casting |
| Note: 1 bar = 14.5 psi | | |

316 Stainless steel Adaptors - 2005 edition

G= BSP (BSPP)/(BSPF) pipe thread (straight) ISO 228

R= BSP (BSPT) pipe thread (tapered) DIN 2999

NPT= NPT pipe thread (tapered) ANSI B 1.20.1

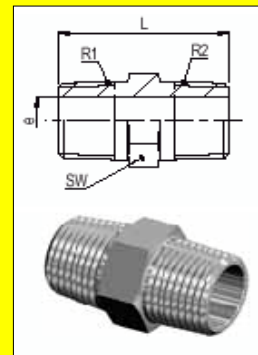
How to order: R950-part number
example: R950-AD HN 50 -1/4 -1/4

BSPT Hex nipple

DIN EN 10241

Series: AD HN 50

| Type - R1 - R2 | | | SW | L | e | kg/100 | \$ each |
|-------------------------|--|--|----|------|------|--------|---------|
| R950-AD HN 50 -1/8 -1/8 | | | 12 | 25,0 | 6,0 | 1,005 | \$4.87 |
| R950-AD HN 50 -1/4 -1/4 | | | 14 | 31,0 | 8,0 | 1,979 | \$4.92 |
| R950-AD HN 50 -3/8 -3/8 | | | 17 | 33,0 | 10,5 | 3,180 | \$5.67 |
| R950-AD HN 50 -1/2 -1/2 | | | 22 | 43,0 | 13,0 | 6,749 | \$6.93 |
| R950-AD HN 50 -3/4 -3/4 | | | 27 | 48,0 | 21,0 | 7,285 | \$8.95 |
| R950-AD HN 50 -1 -1 | | | 36 | 52,0 | 26,0 | 13,822 | \$14.54 |

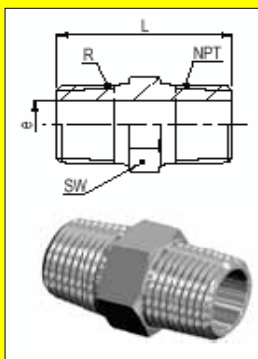


BSPT/NPT Conversion hex nipple

DIN EN 10241

Series: AD HN 50 BSP - NPT

| Type - R - NPT | | | SW | L | e | kg/100 | \$ each |
|----------------------------|--|--|----|------|------|--------|---------|
| R950-AD HN 50 -1/8-1/8 NPT | | | 12 | 25,0 | 6,0 | 1,067 | \$7.23 |
| R950-AD HN 50 -1/4-1/4 NPT | | | 14 | 31,0 | 8,0 | 2,061 | \$4.79 |
| R950-AD HN 50 -3/8-3/8 NPT | | | 17 | 33,0 | 10,5 | 3,260 | \$8.32 |
| R950-AD HN 50 -1/2-1/2 NPT | | | 22 | 43,0 | 13,0 | 6,850 | \$11.72 |
| R950-AD HN 50 -3/4-3/4 NPT | | | 27 | 48,0 | 21,0 | 7,371 | \$7.90 |
| R950-AD HN 50 -1-1 NPT | | | 36 | 52,0 | 26,0 | 13,760 | \$15.55 |

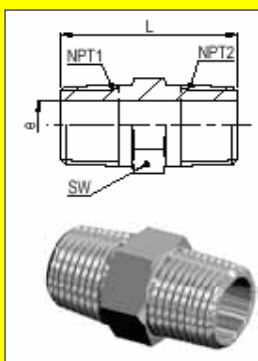


NPT Hex nipple

DIN EN 10241

Series: AD HN 50 NPT - NPT

| Type - NPT1 - NPT2 | | | SW | L | e | kg/100 | \$ each |
|---------------------------------|--|--|----|------|------|--------|---------|
| R950-AD HN 50 -1/8 NPT -1/8 NPT | | | 12 | 25,0 | 6,0 | 1,113 | \$10.88 |
| R950-AD HN 50 -1/4 NPT -1/4 NPT | | | 14 | 31,0 | 8,0 | 2,141 | \$5.63 |
| R950-AD HN 50 -3/8 NPT -3/8 NPT | | | 17 | 33,0 | 10,5 | 3,340 | \$7.73 |
| R950-AD HN 50 -1/2 NPT -1/2 NPT | | | 22 | 43,0 | 13,0 | 6,949 | \$9.29 |
| R950-AD HN 50 -3/4 NPT -3/4 NPT | | | 27 | 48,0 | 21,0 | 7,457 | \$11.18 |
| R950-AD HN 50 -1 NPT -1 NPT | | | 36 | 52,0 | 26,0 | 13,698 | \$15.08 |



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SW = width across flats

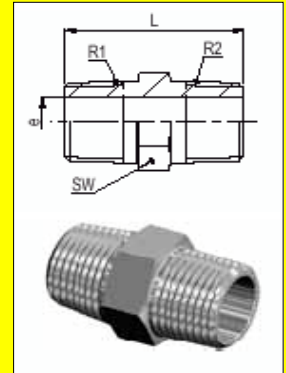
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Stainless steel Adaptors
BSPT Hex reducing nipple

Series: AD HRN 50

| Type - R1 - R2 | SW | L | e | kg/100 | \$ each |
|--------------------------|----|------|------|--------|---------|
| R950-AD HRN 50 -1/8 -1/4 | 14 | 28,0 | 6,0 | 1,830 | \$5.97 |
| R950-AD HRN 50 -1/8 -3/8 | 17 | 30,0 | 6,0 | 3,193 | \$8.49 |
| R950-AD HRN 50 -1/8 -1/2 | 22 | 35,0 | 6,0 | 6,344 | \$9.87 |
| R950-AD HRN 50 -1/4 -3/8 | 17 | 33,0 | 8,0 | 3,308 | \$6.97 |
| R950-AD HRN 50 -1/4 -1/2 | 22 | 38,0 | 8,0 | 6,385 | \$8.40 |
| R950-AD HRN 50 -3/8 -1/2 | 22 | 38,0 | 10,5 | 6,128 | \$8.49 |
| R950-AD HRN 50 -1/2 -3/4 | 27 | 46,5 | 13,0 | 11,548 | \$12.69 |
| R950-AD HRN 50 -1/2 -1 | 36 | 48,5 | 13,0 | 20,172 | \$16.39 |
| R950-AD HRN 50 -3/4 -1 | 36 | 50,0 | 21,0 | 15,600 | \$16.81 |



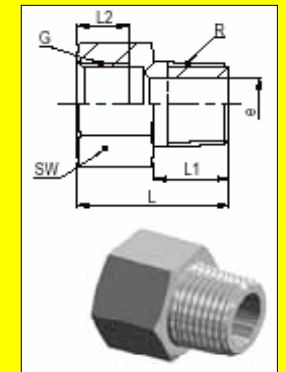
G= BSP (BSPP)/(BSPF) pipe thread (straight) ISO 228
 R= BSP (BSPT) pipe thread (tapered) DIN 2999
 NPT= NPT pipe thread (tapered) ANSI B 1.20.1

SW = width across flats

BSPP/BSPT Adapter

Series: AD A 50

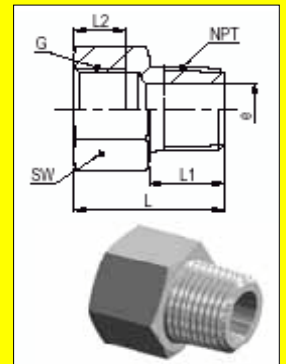
| Type - G - R | SW | L | L1 | L2 | e | kg/100 | \$ each |
|------------------------|----|------|------|------|------|--------|---------|
| R950-AD A 50 -1/8 -1/8 | 14 | 21,0 | 9,5 | 8,0 | 6,0 | 1,226 | \$6.76 |
| R950-AD A 50 -1/4 -1/4 | 17 | 26,0 | 12,5 | 9,0 | 8,0 | 2,192 | \$9.92 |
| R950-AD A 50 -3/8 -3/8 | 22 | 27,0 | 12,5 | 9,5 | 10,5 | 3,698 | \$10.80 |
| R950-AD A 50 -1/2 -1/2 | 27 | 35,0 | 17,5 | 11,5 | 13,0 | 7,183 | \$12.73 |
| R950-AD A 50 -3/4 -3/4 | 32 | 40,0 | 19,0 | 14,0 | 21,0 | 9,166 | \$15.34 |
| R950-AD A 50 -1 -1 | 41 | 45,0 | 21,0 | 17,0 | 26,0 | 17,524 | \$19.83 |



BSPP/NPT Conversion Adapter

Series: AD A 50 NPT - BSP

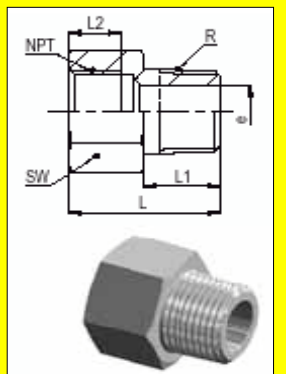
| Type - G - NPT | SW | L | L1 | L2 | e | kg/100 | \$ each |
|----------------------------|----|------|------|------|------|--------|---------|
| R950-AD A 50 -1/8 -1/8 NPT | 14 | 21,0 | 9,5 | 8,0 | 6,0 | 1,277 | \$9.66 |
| R950-AD A 50 -1/4 -1/4 NPT | 17 | 26,0 | 12,5 | 9,0 | 8,0 | 2,271 | \$7.10 |
| R950-AD A 50 -3/8 -3/8 NPT | 22 | 27,0 | 12,5 | 9,5 | 10,5 | 3,786 | \$8.66 |
| R950-AD A 50 -1/2 -1/2 NPT | 27 | 35,0 | 17,5 | 11,5 | 13,0 | 7,280 | \$13.66 |
| R950-AD A 50 -3/4 -3/4 NPT | 32 | 40,0 | 19,0 | 14,0 | 21,0 | 9,252 | \$15.67 |
| R950-AD A 50 -1 -1 NPT | 41 | 45,0 | 21,0 | 17,0 | 26,0 | 17,482 | \$20.25 |



NPT/BSPT Conversion Adapter

Series: AD A 50 NPT

| Type - NPT - R | SW | L | L1 | L2 | e | kg/100 | \$ each |
|----------------------------|----|------|------|------|------|--------|---------|
| R950-AD A 50 -1/8 NPT -1/8 | 14 | 21,0 | 9,5 | 10,0 | 6,0 | 1,239 | \$12.35 |
| R950-AD A 50 -1/4 NPT -1/4 | 17 | 29,0 | 12,5 | 14,0 | 8,0 | 2,424 | \$10.17 |
| R950-AD A 50 -3/8 NPT -3/8 | 22 | 29,0 | 12,5 | 14,0 | 10,5 | 3,800 | \$12.39 |
| R950-AD A 50 -1/2 NPT -1/2 | 27 | 38,0 | 17,5 | 18,0 | 13,0 | 8,108 | \$11.60 |
| R950-AD A 50 -3/4 NPT -3/4 | 32 | 43,0 | 19,0 | 20,0 | 21,0 | 10,371 | \$14.58 |
| R950-AD A 50 -1 NPT -1 | 36 | 45,0 | 21,0 | 23,0 | 26,0 | 12,020 | \$19.50 |



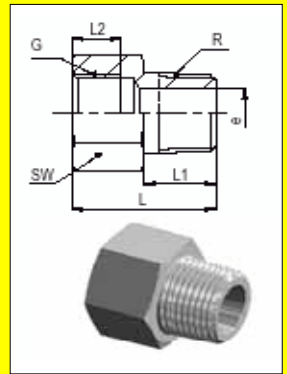
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Stainless steel Adaptors

BSPP/BSPT Reducing Adapter

Series: AD RA 50

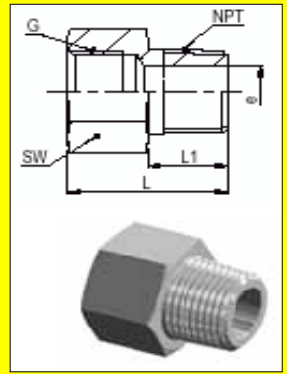
| Type - G - R | SW | L | L1 | L2 | e | kg/100 | \$ each |
|------------------------|----|------|------|------|------|--------|---------|
| R950-AD RA 50 -1/4-1/8 | 17 | 23,0 | 9,5 | 9,0 | 6,0 | 1,776 | \$5.71 |
| R950-AD RA 50 -3/8-1/4 | 22 | 28,0 | 12,5 | 9,5 | 8,0 | 3,586 | \$8.32 |
| R950-AD RA 50 -1/2-1/4 | 27 | 31,0 | 12,5 | 11,0 | 8,0 | 5,815 | \$10.13 |
| R950-AD RA 50 -1/2-3/8 | 27 | 30,0 | 12,5 | 11,5 | 10,5 | 5,780 | \$9.71 |
| R950-AD RA 50 -3/4-1/2 | 32 | 39,0 | 17,5 | 14,0 | 13,0 | 9,662 | \$12.35 |
| R950-AD RA 50 -1-1/2 | 41 | 45,0 | 17,5 | 17,0 | 13,0 | 18,781 | \$20.00 |
| R950-AD RA 50 -1-3/4 | 41 | 45,0 | 19,0 | 17,0 | 21,0 | 17,126 | \$19.75 |



BSPP/NPT Conversion reducing adapter

Series: AD RA 50 BSP – NPT

| Type - G - NPT | SW | L | L1 | e | kg/100 | \$ each |
|----------------------------|----|------|------|------|--------|---------|
| R950-AD RA 50 -1/4-1/8 NPT | 17 | 23,0 | 9,5 | 6,0 | 1,827 | \$7.02 |
| R950-AD RA 50 -3/8-1/4 NPT | 22 | 28,0 | 12,5 | 8,0 | 3,666 | \$8.95 |
| R950-AD RA 50 -1/2-1/4 NPT | 27 | 31,0 | 12,5 | 8,0 | 5,895 | \$11.13 |
| R950-AD RA 50 -1/2-3/8 NPT | 27 | 30,0 | 12,5 | 10,5 | 5,868 | \$10.71 |
| R950-AD RA 50 -3/4-1/2 NPT | 32 | 39,0 | 17,5 | 13,0 | 9,759 | \$13.28 |
| R950-AD RA 50 -1-3/4 NPT | 41 | 45,0 | 19,0 | 21,0 | 17,213 | \$20.25 |



G= BSP (BSPP)/(BSPF) pipe thread (straight) ISO 228

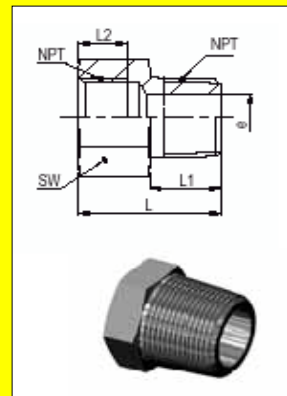
R= BSP (BSPT) pipe thread (tapered) DIN 2999

NPT= NPT pipe thread (tapered) ANSI B 1.20.1

NPT/NPT Reducing Adapter

Series: AD RA 50 NPT – NPT

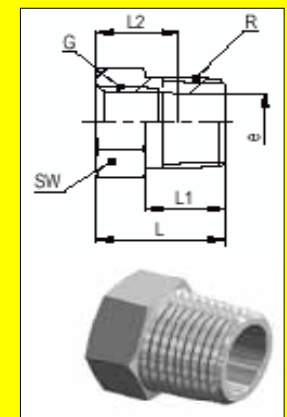
| Type -NPT -NPT | SW | L | L1 | L2 | e | kg/100 | \$ each |
|---------------------------------|----|----|------|------|------|--------|---------|
| R950-AD RA 50 -1/4 NPT -1/8 NPT | 17 | 26 | 9,5 | 10,2 | 6 | 2,150 | \$6.29 |
| R950-AD RA 50 -3/8 NPT -1/4 NPT | 22 | 30 | 12,5 | 10,3 | 8 | 3,920 | \$9.15 |
| R950-AD RA 50 -1/2 NPT -1/4 NPT | 27 | 35 | 12,5 | 13,5 | 8 | 7,505 | \$11.14 |
| R950-AD RA 50 -1/2 NPT -3/8 NPT | 27 | 35 | 12,5 | 13,5 | 10,5 | 7,866 | \$10.68 |
| R950-AD RA 50 -3/4 NPT -1/2 NPT | 32 | 43 | 17,5 | 13,8 | 13 | 12,030 | \$13.59 |
| R950-AD RA 50 -1 NPT -1/2 NPT | 36 | 48 | 17,5 | 17,4 | 13 | 14,540 | \$22.00 |
| R950-AD RA 50 -1 NPT -3/4 NPT | 36 | 48 | 19 | 17,4 | 21 | 13,110 | \$21.72 |



BSPP/BSPT Hex bushing

Series: AD RB 50

| Type - G - R | SW | L | L1 | L2 | e | kg/100 | \$ each |
|------------------------|----|------|------|------|------|--------|---------|
| R950-AD RB 50-1/8 -1/4 | 14 | 18,5 | 12,5 | 8,0 | 8,6 | 1,139 | \$4.41 |
| R950-AD RB 50-1/8 -3/8 | 17 | 20,5 | 12,5 | 8,0 | 8,6 | 2,456 | \$6.64 |
| R950-AD RB 50-1/8 -1/2 | 22 | 25,5 | 17,5 | 8,0 | 8,6 | 5,502 | \$7.48 |
| R950-AD RB 50-1/4 -3/8 | 17 | 20,5 | 12,5 | 9,0 | 11,4 | 1,798 | \$5.17 |
| R950-AD RB 50-1/4 -1/2 | 22 | 25,5 | 17,5 | 9,0 | 11,4 | 4,693 | \$6.09 |
| R950-AD RB 50-1/4 -3/4 | 27 | 29,0 | 19,0 | 9,0 | 11,4 | 9,574 | \$9.41 |
| R950-AD RB 50-3/8 -1/2 | 22 | 25,5 | 17,5 | 9,5 | 15,0 | 3,939 | \$6.34 |
| R950-AD RB 50-3/8 -3/4 | 27 | 29,0 | 19,0 | 9,5 | 15,0 | 7,647 | \$9.37 |
| R950-AD RB 50-3/8 -1 | 36 | 31,0 | 21,0 | 9,5 | 15,0 | 16,634 | \$14.12 |
| R950-AD RB 50-1/2 -3/4 | 27 | 29,0 | 19,0 | 11,5 | 18,6 | 6,079 | \$8.70 |
| R950-AD RB 50-1/2 -1 | 36 | 31,0 | 21,0 | 11,5 | 18,6 | 14,496 | \$11.85 |
| R950-AD RB 50-3/4 -1 | 36 | 31,0 | 21,0 | 14,0 | 24,1 | 10,487 | \$11.97 |

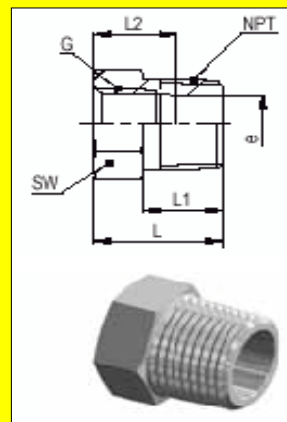


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Stainless steel Adaptors

BSPP/NPT Conversion hex bushing

| Type - G - NPT | DIN EN 10241 | | | Series: AD RB 50 BSP – NPT | | | |
|----------------------------|--------------|------|------|----------------------------|------|--------|---------|
| | SW | L | L1 | L2 | e | kg/100 | \$ each |
| R950-AD RB 50-1/8 -1/4 NPT | 14 | 18,5 | 12,5 | 8,0 | 8,6 | 1,220 | \$6.72 |
| R950-AD RB 50-1/8 -3/8 NPT | 17 | 20,5 | 12,5 | 8,0 | 8,6 | 2,537 | \$9.92 |
| R950-AD RB 50-1/8 -1/2 NPT | 22 | 25,5 | 17,5 | 8,0 | 8,6 | 5,600 | \$8.19 |
| R950-AD RB 50-1/4 -3/8 NPT | 17 | 20,5 | 12,5 | 9,0 | 11,4 | 1,879 | \$7.44 |
| R950-AD RB 50-1/4 -1/2 NPT | 22 | 25,5 | 17,5 | 9,0 | 11,4 | 4,791 | \$8.40 |
| R950-AD RB 50-1/4 -3/4 NPT | 27 | 29,0 | 19,0 | 9,0 | 11,4 | 9,660 | \$10.08 |
| R950-AD RB 50-3/8 -1/2 NPT | 22 | 25,5 | 17,5 | 9,5 | 15,0 | 3,490 | \$10.84 |
| R950-AD RB 50-1/2 -3/4 NPT | 27 | 29,0 | 19,0 | 11,5 | 18,6 | 6,165 | \$10.25 |
| R950-AD RB 50-3/4 -1 NPT | 36 | 31,0 | 21,0 | 14,0 | 24,1 | 10,445 | \$15.17 |



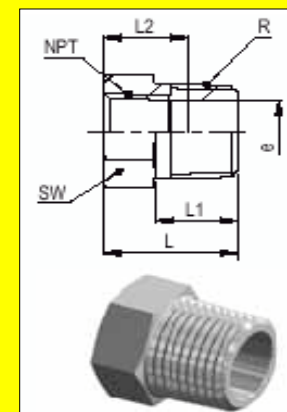
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R= BSP (BSPT) pipe thread (tapered) DIN 2999

NPT= NPT pipe thread (tapered) ANSI B 1.20.1

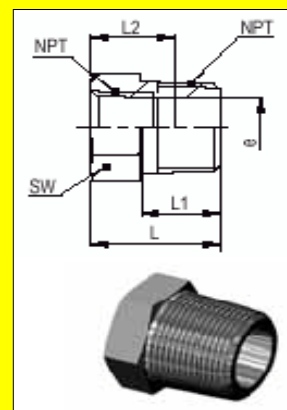
NPT Conversion hex bushing

| Type - NPT - R | DIN EN 10241 | | | Series: AD RB 50 NPT – BSP | | | |
|----------------------------|--------------|------|------|----------------------------|------|--------|---------|
| | SW | L | L1 | L2 | e | kg/100 | \$ each |
| R950-AD RB 50-1/8 NPT -1/4 | 14 | 18,5 | 12,5 | 6,7 | 8,4 | 1,142 | \$7.77 |
| R950-AD RB 50-1/4 NPT -3/8 | 17 | 20,5 | 12,5 | 10,2 | 10,8 | 1,869 | \$10.55 |
| R950-AD RB 50-1/4 NPT -1/2 | 22 | 25,5 | 17,5 | 10,2 | 10,8 | 4,802 | \$11.93 |
| R950-AD RB 50-1/2 NPT -3/4 | 27 | 29,0 | 19,0 | 13,5 | 17,7 | 6,418 | \$14.08 |



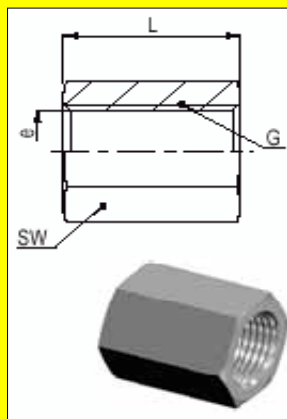
NPT Hex bushing

| Type NPT - NPT | Series: AD RB 50 NPT - NPT | | | | | | |
|--------------------------------|----------------------------|------|------|------|------|--------|---------|
| | SW | L | L1 | L2 | e | kg/100 | \$ each |
| R950-AD RB 50-1/8 NPT -1/4 NPT | 14 | 18,5 | 12,5 | 6,7 | 8,4 | 1,280 | \$4.85 |
| R950-AD RB 50-1/8 NPT -3/8 NPT | 17 | 20,5 | 12,5 | 6,7 | 8,4 | 2,660 | \$7.30 |
| R950-AD RB 50-1/4 NPT -3/8 NPT | 17 | 20,5 | 12,5 | 10,2 | 10,8 | 2,070 | \$5.68 |
| R950-AD RB 50-1/4 NPT -1/2 NPT | 22 | 25,5 | 17,5 | 10,2 | 10,8 | 5,150 | \$6.70 |
| R950-AD RB 50-3/8 NPT -1/2 NPT | 22 | 25,5 | 17,5 | 10,3 | 13,9 | 3,980 | \$6.98 |
| R950-AD RB 50-1/2 NPT -3/4 NPT | 27 | 29 | 19 | 13,5 | 17,7 | 6,820 | \$9.57 |
| R950-AD RB 50-1/2 NPT -1 NPT | 36 | 31 | 21 | 13,5 | 17,7 | 15,510 | \$13.03 |
| R950-AD RB 50-3/4 NPT -1 NPT | 36 | 31 | 21 | 13,8 | 22,5 | 11,920 | \$13.17 |



BSPP Hex coupling

| Type - G | DIN EN 10241 | | | Series: AD HC 50 | | | |
|------------------------|--------------|------|------|------------------|---------|--|--|
| | SW | L | e | kg/100 | \$ each | | |
| R950-AD HC 50 -1/8-1/8 | 17 | 17,0 | 8,6 | 2,278 | \$6.43 | | |
| R950-AD HC 50 -1/4-1/4 | 22 | 25,0 | 11,4 | 5,500 | \$7.18 | | |
| R950-AD HC 50 -3/8-3/8 | 22 | 26,0 | 15,0 | 4,391 | \$8.82 | | |
| R950-AD HC 50 -1/2-1/2 | 27 | 34,0 | 18,6 | 8,425 | \$8.28 | | |
| R950-AD HC 50 -3/4-3/4 | 32 | 36,0 | 24,1 | 10,686 | \$12.77 | | |
| R950-AD HC 50 -1-1 | 46 | 43,0 | 30,3 | 33,192 | \$20.08 | | |



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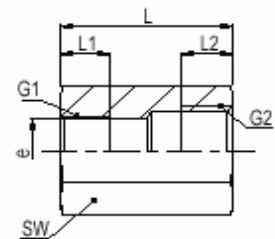
Stainless steel Adaptors

BSPP Hex reducing coupling

DIN EN 10241

Series: AD HRC 50

| Type - G1- G2 | SW | L | L1 | L2 | e | kg/100 | \$ each |
|-------------------------|----|------|------|------|------|--------|---------|
| R950-AD HRC 50-1/8 -1/4 | 22 | 25,0 | 8,0 | 9,0 | 8,6 | 5,938 | \$10.25 |
| R950-AD HRC 50-1/8 -3/8 | 22 | 30,0 | 8,0 | 9,5 | 8,6 | 6,500 | \$11.09 |
| R950-AD HRC 50-1/8 -1/2 | 27 | 41,0 | 8,0 | 11,5 | 8,6 | 14,097 | \$13.28 |
| R950-AD HRC 50-1/4 -3/8 | 22 | 29,0 | 9,0 | 9,5 | 11,4 | 5,746 | \$10.67 |
| R950-AD HRC 50-1/4 -1/2 | 27 | 40,0 | 9,0 | 11,5 | 11,4 | 12,941 | \$12.86 |
| R950-AD HRC 50-3/8 -1/2 | 27 | 38,0 | 9,5 | 11,5 | 15,0 | 11,055 | \$12.48 |
| R950-AD HRC 50-1/2 -3/4 | 32 | 41,0 | 11,5 | 14,0 | 18,6 | 15,200 | \$15.04 |
| R950-AD HRC 50-1/2 -1 | 46 | 51,0 | 11,5 | 17,0 | 18,6 | 48,706 | \$23.02 |



G= BSP (BSPP)/(BSPF) pipe thread (straight) ISO 228

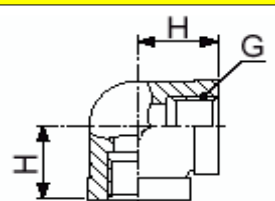
R= BSP (BSPT) pipe thread (tapered) DIN 2999

NPT= NPT pipe thread (tapered) ANSI B 1.20.1

BSPP Female elbow

Series: AD FE 51

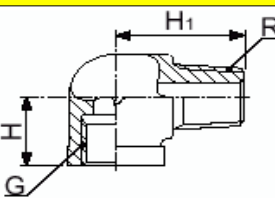
| Type - G | | | | H | kg/100 | \$ each |
|------------------------|--|--|--|------|--------|---------|
| R950-AD FE 51-1/8 -1/8 | | | | 20,0 | 3,700 | \$3.24 |
| R950-AD FE 51-1/4 -1/4 | | | | 21,0 | 5,100 | \$3.11 |
| R950-AD FE 51-3/8 -3/8 | | | | 25,0 | 6,600 | \$3.82 |
| R950-AD FE 51-1/2 -1/2 | | | | 28,0 | 9,000 | \$4.33 |
| R950-AD FE 51-3/4 -3/4 | | | | 33,0 | 19,100 | \$5.25 |
| R950-AD FE 51-1 -1 | | | | 38,0 | 27,800 | \$8.70 |



BSPP/BSPT Street elbow

Series: AD SE 51

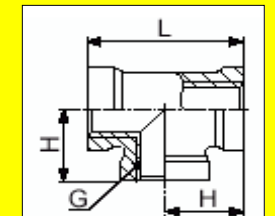
| Type - G - R | | | | H | H1 | kg/100 | \$ each |
|-------------------------|--|--|--|------|------|--------|---------|
| R950-AD SE 51 -1/8 -1/8 | | | | 20,0 | 26,0 | 2,800 | \$3.07 |
| R950-AD SE 51 -1/4 -1/4 | | | | 21,0 | 30,0 | 3,600 | \$3.82 |
| R950-AD SE 51 -3/8 -3/8 | | | | 25,0 | 36,0 | 6,500 | \$4.33 |
| R950-AD SE 51 -1/2 -1/2 | | | | 28,0 | 41,0 | 11,200 | \$5.08 |
| R950-AD SE 51 -3/4 -3/4 | | | | 33,0 | 48,0 | 16,100 | \$7.73 |
| R950-AD SE 51 -1 -1 | | | | 38,0 | 54,0 | 25,600 | \$12.52 |



BSPP Female Tee AD FT 51

Series: AD FT 51

| Type - G | | | | H | L | kg/100 | \$ each |
|------------------------|--|--|--|------|------|--------|---------|
| R950-AD FT 51 -1/8-1/8 | | | | 20,0 | 40,0 | 3,000 | \$4.24 |
| R950-AD FT 51 -1/4-1/4 | | | | 21,0 | 42,0 | 7,300 | \$4.96 |
| R950-AD FT 51 -3/8-3/8 | | | | 25,0 | 50,0 | 10,100 | \$4.29 |
| R950-AD FT 51 -1/2-1/2 | | | | 28,0 | 56,0 | 16,400 | \$5.50 |
| R950-AD FT 51 -3/4-3/4 | | | | 32,0 | 64,0 | 22,500 | \$7.81 |
| R950-AD FT 51 -1-1 | | | | 38,0 | 76,0 | 37,000 | \$12.73 |



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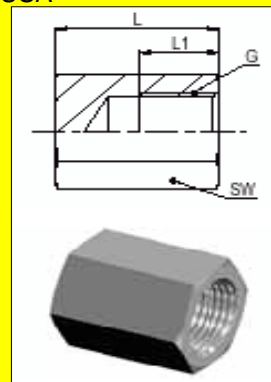
Stainless steel Adaptors

BSPP Hex Cap

DIN EN 10241

Series: AD HCP 50

| Type – G | | | SW | L | L1 | kg/100 | \$ each |
|---------------------|--|--|----|------|------|--------|---------|
| R950-AD HCP 50 –1/8 | | | 17 | 19,0 | 8,0 | 2,757 | \$4.92 |
| R950-AD HCP 50 –1/4 | | | 22 | 24,0 | 9,0 | 5,932 | \$4.50 |
| R950-AD HCP 50 –3/8 | | | 22 | 27,0 | 9,5 | 5,875 | \$5.97 |
| R950-AD HCP 50 –1/2 | | | 27 | 37,0 | 11,5 | 12,700 | \$7.39 |
| R950-AD HCP 50 –3/4 | | | 32 | 38,0 | 14,0 | 16,363 | \$8.87 |
| R950-AD HCP 50 –1 | | | 46 | 44,0 | 17,0 | 43,193 | \$14.87 |



G= BSP (BSPP)/(BSPF) pipe thread (straight) ISO 228

R= BSP (BSPT) pipe thread (tapered) DIN 2999

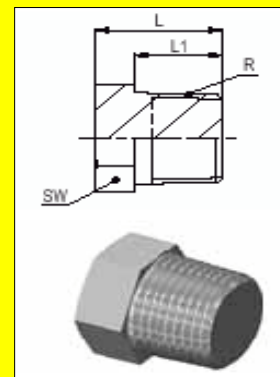
NPT= NPT pipe thread (tapered) ANSI B 1.20.1

BSPT Hex Plug

DIN EN

Series: AD HP 50

| Type – R | | | SW | L | L1 | kg/100 | \$ each |
|--------------------|--|--|----|------|------|--------|---------|
| R950-AD HP 50 –1/8 | | | 12 | 15,5 | 9,5 | 1,017 | \$2.90 |
| R950-AD HP 50 –1/4 | | | 14 | 18,5 | 12,5 | 1,892 | \$2.90 |
| R950-AD HP 50 –3/8 | | | 17 | 20,5 | 12,5 | 3,289 | \$3.66 |
| R950-AD HP 50 –1/2 | | | 22 | 25,5 | 17,5 | 6,548 | \$4.45 |
| R950-AD HP 50 –3/4 | | | 27 | 29,0 | 19,0 | 11,671 | \$6.60 |
| R950-AD HP 50 –1 | | | 36 | 31,0 | 21,0 | 20,534 | \$8.91 |

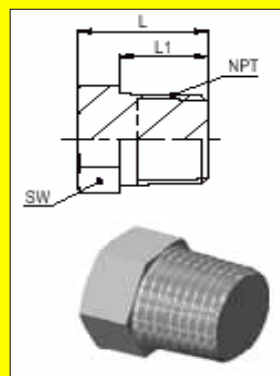


NPT Hex Plug

DIN EN 10241

Series: AD HP 50 NPT

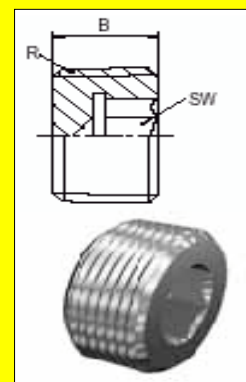
| Type – NPT | | | SW | L | L1 | kg/100 | \$ each |
|------------------------|--|--|----|------|------|--------|---------|
| R950-AD HP 50 –1/8 NPT | | | 12 | 15,5 | 9,5 | 1,070 | \$2.86 |
| R950-AD HP 50 –1/4 NPT | | | 14 | 18,5 | 12,5 | 1,973 | \$2.73 |
| R950-AD HP 50 –3/8 NPT | | | 17 | 20,5 | 12,5 | 3,370 | \$4.83 |
| R950-AD HP 50 –1/2 NPT | | | 22 | 25,5 | 17,5 | 6,647 | \$3.91 |
| R950-AD HP 50 –3/4 NPT | | | 27 | 29,0 | 19,0 | 11,756 | \$5.25 |
| R950-AD HP 50 –1 NPT | | | 36 | 31,0 | 21,0 | 20,472 | \$9.03 |



BSPT Socket Screw Plug

Series: AD SP 50

| Type R | | | R | SW | B | kg/100 | \$ each |
|--------------------|--|--|-----|----|----|--------|---------|
| R950-AD SP 50 –1/8 | | | 1/8 | 5 | 8 | 0,340 | \$2.08 |
| R950-AD SP 50 –1/4 | | | 1/4 | 7 | 10 | 0,700 | \$3.47 |
| R950-AD SP 50 –3/8 | | | 3/8 | 8 | 10 | 1,200 | \$4.81 |
| R950-AD SP 50 –1/2 | | | 1/2 | 10 | 10 | 1,940 | \$6.47 |
| R950-AD SP 50 –3/4 | | | 3/4 | 12 | 12 | 3,800 | \$14.00 |
| R950-AD HP 50 –1 | | | 1 | 17 | 12 | 5,760 | \$19.29 |

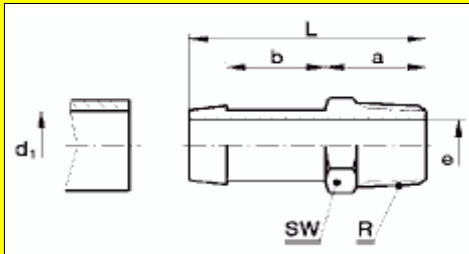


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Stainless steel Adaptors



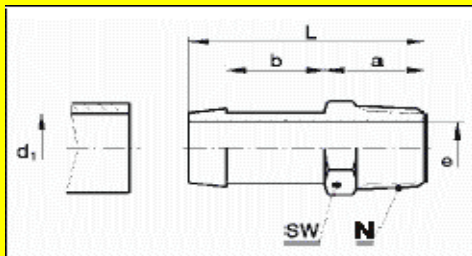
BSPT Male adaptor hose nozzle

Series: SO 50511

| Type – d1– R | SW | L | b | a | e | kg/100 | \$ each |
|-----------------------|----|------|----|------|----|--------|---------|
| R950-SO 50511-4 -1/8 | 10 | 23 | 8 | 12 | 3 | 0,700 | \$15.26 |
| R950-SO 50511-4 -1/4 | 14 | 28,5 | 8 | 17,5 | 3 | 1,540 | \$15.83 |
| R950-SO 50511-6 -1/8 | 10 | 29 | 12 | 12 | 4 | 0,910 | \$13.11 |
| R950-SO 50511-6 -1/4 | 14 | 34,5 | 12 | 17,5 | 4 | 1,710 | \$14.04 |
| R950-SO 50511-6 -1/2 | 22 | 40 | 12 | 23 | 4 | 4,130 | \$23.64 |
| R950-SO 50511-8 -1/8 | 10 | 29 | 12 | 12 | 6 | 9,710 | \$14.18 |
| R950-SO 50511-8 -1/4 | 14 | 34,5 | 12 | 17,5 | 6 | 1,740 | \$15.19 |
| R950-SO 50511-8 -1/2 | 22 | 40 | 12 | 23 | 6 | 4,220 | \$27.22 |
| R950-SO 50511-10 -1/4 | 14 | 36,5 | 14 | 17,5 | 7 | 1,540 | \$16.76 |
| R950-SO 50511-10 -3/8 | 17 | 37 | 14 | 18 | 7 | 3,030 | \$18.34 |
| R950-SO 50511-10 -1/2 | 22 | 42 | 14 | 23 | 7 | 4,470 | \$31.38 |
| R950-SO 50511-13 -3/8 | 17 | 39 | 15 | 18 | 10 | 3,730 | \$22.78 |
| R950-SO 50511-13 -1/2 | 22 | 44 | 15 | 23 | 10 | 5,320 | \$32.67 |
| R950-SO 50511-16 -1/2 | 22 | 49 | 18 | 23 | 13 | 5,930 | \$33.67 |
| R950-SO 50511-19 -1/2 | 22 | 49 | 18 | 23 | 16 | 7,340 | \$37.18 |
| R950-SO 50511-19 -3/4 | 27 | 51 | 18 | 25 | 16 | 10,550 | \$45.42 |
| R950-SO 50511-25 -1 | 36 | 59 | 19 | 30 | 22 | 17,160 | \$64.33 |

R = BSP Pipe thread (tapered)

d1= corresponds to the inside diameter of the hose



NPT Male adaptor hose nozzle

Series: SO 50511 NPT

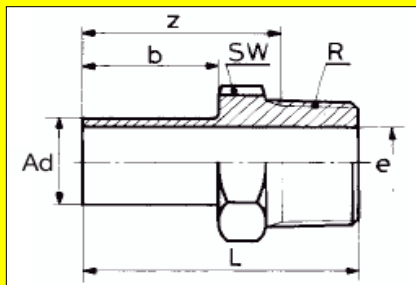
| Type – d1– R | SW | L | b | a | e | kg/100 | \$ each |
|---------------------------|----|------|----|------|-----|--------|---------|
| R950-SO 50511-4 -1/8 NPT | 12 | 25,5 | 8 | 14,5 | 3 | 1,000 | \$16.33 |
| R950-SO 50511-4 -1/4 NPT | 14 | 30,5 | 8 | 19,5 | 3 | 1,990 | \$16.94 |
| R950-SO 50511-6 -1/8 NPT | 12 | 31,5 | 12 | 14,5 | 4 | 1,200 | \$14.07 |
| R950-SO 50511-6 -1/4 NPT | 14 | 36,5 | 12 | 19,5 | 4 | 2,190 | \$15.02 |
| R950-SO 50511-8 -1/8 NPT | 12 | 31,5 | 12 | 14,5 | 6 | 1,170 | \$15.18 |
| R950-SO 50511-8 -1/4 NPT | 14 | 36,5 | 12 | 19,5 | 6,5 | 2,180 | \$16.25 |
| R950-SO 50511-10 -1/4 NPT | 14 | 38,5 | 14 | 19,5 | 7 | 2,500 | \$17.93 |
| R950-SO 50511-10 -3/8 NPT | 17 | 39 | 14 | 20 | 7 | 2,700 | \$19.62 |
| R950-SO 50511-10 -1/2 NPT | 22 | 45 | 14 | 26 | 7 | 5,530 | \$33.57 |
| R950-SO 50511-13 -3/8 NPT | 17 | 41 | 15 | 20 | 10 | 3,600 | \$24.38 |
| R950-SO 50511-13 -1/2 NPT | 22 | 47 | 15 | 26 | 10 | 5,830 | \$34.95 |
| R950-SO 50511-16 -1/2 NPT | 22 | 52 | 18 | 26 | 13 | 6,620 | \$36.02 |
| R950-SO 50511-19 -1/2 NPT | 22 | 52 | 18 | 26 | 14 | 6,460 | \$39.79 |
| R950-SO 50511-19 -3/4 NPT | 30 | 55 | 18 | 29 | 16 | 10,330 | \$48.59 |
| R950-SO 50511-25 -3/4 NPT | 30 | 59 | 20 | 29 | 19 | 9,850 | \$68.83 |
| R950-SO 50511-25 -1 NPT | 36 | 63 | 20 | 33 | 22 | 16,500 | \$68.83 |

N = NPT Pipe thread (tapered)

d1= corresponds to the inside diameter of the hose

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Stainless steel Adaptors



BSPT tube stub (standpipe) x male thread

Tapered adaptor thread Series: SO 51600

BSPT Adjustable male adaptor

| Type – Ad – R | bar | S W | b | L | z | e | kg/100 | \$ each |
|-----------------------|-----|-----|------|------|------|-----|--------|---------|
| R950-SO 51600-A4-1/8 | 250 | 10 | 10 | 22 | 18 | 2,5 | 0,570 | \$8.52 |
| R950-SO 51600-A5-1/8 | 250 | 10 | 10,5 | 22,5 | 18,5 | 3,2 | 0,600 | \$8.88 |
| R950-SO 51600-A6-1/8 | 200 | 12 | 13 | 26 | 22 | 4 | 0,950 | \$8.67 |
| R950-SO 51600-A6-1/4 | 200 | 14 | 13 | 31 | 25 | 4 | 1,700 | \$9.74 |
| R950-SO 51600-A8-1/8 | 200 | 12 | 14 | 28 | 24 | 6 | 0,660 | \$9.74 |
| R950-SO 51600-A8-1/4 | 200 | 14 | 14 | 32 | 26 | 6 | 1,660 | \$9.74 |
| R950-SO 51600-A10-1/4 | 160 | 14 | 16 | 34 | 28 | 8 | 1,490 | \$11.82 |
| R950-SO 51600-A10-3/8 | 160 | 17 | 16 | 34 | 27,6 | 8 | 2,770 | \$14.11 |
| R950-SO 51600-A10-1/2 | 160 | 22 | 16 | 39 | 30,8 | 8 | 5,500 | \$17.98 |
| R950-SO 51600-A12-1/4 | 160 | 14 | 18 | 36 | 30 | 8 | 1,530 | \$16.48 |
| R950-SO 51600-A12-3/8 | 160 | 17 | 18 | 36 | 29,6 | 9 | 2,690 | \$16.33 |
| R950-SO 51600-A12-1/2 | 160 | 22 | 18 | 91 | 32,8 | 9 | 5,080 | \$20.06 |
| R950-SO 51600-A15-1/2 | 100 | 22 | 21 | 44 | 35,8 | 12 | 4,890 | \$20.06 |

R = BSPT Pipe thread (tapered)

Metric fine thread

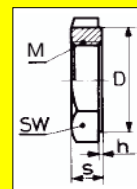
Hexagon jam/panel (thin) nut

Series: SO 50006

| Type – M | SW | D | h | s | kg/100 | \$ each |
|--------------------------|----|------|-----|-----|--------|---------|
| R950-SO 50006–M 6 x 0,75 | 10 | 9,8 | 0,5 | 3,5 | 0,170 | \$1.93 |
| R950-SO 50006–M 8 x 1 | 12 | 11,8 | 0,5 | 3,5 | 0,200 | \$1.93 |
| R950-SO 50006–M 10 x 1 | 14 | 13,8 | 0,5 | 5 | 0,360 | \$2.08 |
| R950-SO 50006–M 12 x 1 | 17 | 16,8 | 0,5 | 6 | 0,650 | \$2.29 |
| R950-SO 50006–M 14 x 1 | 19 | 18,8 | 0,5 | 6 | 0,750 | \$2.72 |
| R950-SO 50006–M 16 x 1 | 22 | 21,8 | 0,5 | 6 | 1,050 | \$3.51 |
| R950-SO 50006–M 20 x 1,5 | 27 | 26,8 | 0,5 | 6 | 1,430 | \$6.16 |
| R950-SO 50006–M 24 x 1,5 | 30 | 29,8 | 0,5 | 7 | 1,880 | \$9.10 |
| R950-SO 50006–M 28 x 1,5 | 36 | 35,8 | 0,5 | 8 | 3,260 | \$11.60 |

M = Metric fine thread

ver a04g



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