

2MOBILITY (Global Mobility Standards Database)

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|-------------------------|---|---|--|
| Subject Coverage | <ul style="list-style-type: none"> • Automation • Emissions • Environment • Fuels & Lubricants • Human factors • Management | <ul style="list-style-type: none"> • Manufacturing • Marketing • Materials • Noise & Vibration • Population • Reliability | <ul style="list-style-type: none"> • Research & Design • Quality • Safety • Stands & Specifications • Testing • Transportation |
|-------------------------|---|---|--|

File Type Bibliographic

Features	Thesaurus	None		
	Alerts (SDIs)	None		
	CAS Registry Numbers® Identifiers	<input type="checkbox"/>	SLART	<input checked="" type="checkbox"/>
	Keep & Share	<input type="checkbox"/>	Structures	<input type="checkbox"/>

- Record Content**
- Bibliographic information
 - Controlled and supplementary terms
 - Abstracts

File Size 11,991 records (12/2022)

Coverage 1936-present

Updates Reloaded monthly

Language English

Database Producer
 SAE International
 400 Commonwealth Drive
 Warrendale, PA 15096
 Phone: (724) 772-7108
 Telefax:(724) 776-3036

Sources Standards and specifications

- User Aids**
- Online Helps (HELP DIRECTORY lists all help messages available)
 - STNGUIDE

Cluster

- ALLBIB
- ENGINEERING
- FUELS
- MATERIALS
- MOBILITY
- NPS
- SAFETY

STN Database Cluster information:

<http://www.stn-international.com/en/customersupport/customer-support#cluster+%7C+subjects+%7C+features>

Search Display Field Codes

Fields that allow left truncation are indicated by an asterisk (*).

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from the abstract (AB), controlled Term (CT), supplementary term (ST), and title (TI) fields) (1)	None (or /BI)	S TRUCK AND BRAKE# S PASSENGER CARS/BI S SAE(S)STANDARD S ?CYLINDER/AB	AB, CT, ST, TI
Abstract (1)	/AB	S CAE/AB	AB
Accession Number	/AN	S 2005:59/AN	AN
Classification Code (2)	/CC	S COMMERCIAL VEHICLE/CC	CC
Controlled Term	/CT	S ADHESIVE?/CT	CT
Controlled Word	/CW	S (METAL(S)REPAIR#)/CW	CT
Country of Publication (ISO code and text)	/CY	S US/CY S UNITED STATES/CY	CY
Cross Reference	/CR	S AATCC TEST?/CR	CR
Document Number	/DN	S SAE AIR 1167/DN	DN
Document Type	/DT	S STANDARD/DT	DT
Entry Date (3)	(or TC) /ED (or /UP)	S ED>=2020	ED
Field Availability	/FA	S AB/FA	FA
File Segment (code and text)	/FS	S SAE/FS	FS
Language (ISO code and text)	/LA	S EN/LA S ENGLISH/LA	LA
Note	/NTE	S STABILIZED/NTE	NTE
Publication Date (3)	/PD	S PD>20050411 AND FASTENERS/CT	PD, SO
Publication Year (3)	/PY	S 2003-2005/PY	PY, SO
Source (contains publishing and source information, location, publication date, and publication year)	/SO	S (REG? AND SAFETY AND HIGHWAY)/SO	SO
Supplementary Term	/ST	S INCONEL 7?/ST	ST
Title* (1)	/TI	S BRAKE CYLINDER#/TI	TI

(1) In 2MOBILITY a numeric search for a specific set of physical properties (/PHP) is available within the English full text fields (AB, BI, TI). The numeric values are not displayed as single fields, but highlighted within the hit displays. Use EXPAND/PHP to search for all available physical properties. A search with the respective field codes will be carried out in all database fields with English text. The /PHP index contains a complete list of codes and related text for all physical properties available for numeric search. See HELP NPS.

(2) Searching with implied (S) proximity is available in this field.

(3) Numeric search field that may be searched using numeric operators or ranges.

2MOBILITY**DISPLAY and PRINT Formats**

Any combination of formats may be used to display and print answers. Multiple codes must be separated by commas or spaces, e.g., D L1 1-5 TI SO. The fields are displayed or printed in the order requested.

Hit-term highlighting is available for all displayable fields except PY. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AB AN CC CR CT CY ED (UP) FA (1) DN DT (TC) FS LA NTE PY (1) SO ST TI	Abstract Accession Number Classification Code Cross Reference Controlled Term Country of Publication Entry Date Field Availability Document Number Document Type File Segment Language Note Publication Year Source Supplementary Term Title	D L4 1-4 AB D L1 3 AN D CC 5-10 D 1-3,7,8 CR D CT D CY 1-5 D ED D L1 DN 3 D 1,3,6 DT L5 D FS D 1,4 LA D NTE D PY D SO D L3 ST D TI 2
ABS ALL DALL IALL BIB IBIB IND SCAN (2) TRIAL (TRI, SAMPLE, SAM, FREE)	AB AN, DN, CR, TI, SO, CY, DT, FS, LA, ED, AB, CC, CT, ST ALL, delimited for post processing ALL, indented with text labels AN, DN, CR, TI, SO, CY, DT, FS, LA, ED (default) BIB, indented with text labels CC, CT, ST TI, CC, CT, ST (random display without answer number) AN, TI, CC, CT, ST	D 2,6 ABS D L1 ALL D DALL D IALL 3 D BIB D L4 IBIB 2 5 D IND L8 D SCAN D 1-5 SAM
HIT KWIC OCC (1)	Fields containing hit terms Hit term with 50 words on either side (KeyWord-In-Context) Number of occurrences of hit terms and fields in which they occur	D HIT D KWIC D OCC

(1) Custom display only.

(2) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

Property Fields¹⁾

In 2MOBILITY a numeric search for a specific set of physical properties (/PHP) is available within the text fields (BI, AB, and TI). The numeric values are not displayed as single fields, but highlighted within the hit displays.

Use EXPAND/PHP to search for all available physical properties. A search with the respective field codes will be carried out in all database fields with English text. The /PHP index contains a complete list of codes and related text for all physical properties available for numeric search.

Field Code	Property	Unit	Search Examples
/AOS /BYR /CMOL	Amount of substance Stored Information Molar concentration (Molarity) (Concentration, amount of substance)	Mol Byte (Byte) mol/l	S 10/AOS S BYR<300000 S MOLYBD?/BI (S) 2/CMOL
/CON /DEG /DEN	Conductance Degree Density (Mass Density)	S (Siemens) Degree Kg/m ³	S 1E-2/CON S (POLARI? (S) ANGLE)/BI (S) 45/DEG S (CELL? (S) RECOMBIN?) (S) 5E-3-10E-3/DEN
/DV /ENE /FOR /FRE /KV /LUME	Viscosity, dynamic Energy Force Frequency Viscosity, kinematic Luminous Emittance/Illuminance	Pa s J (Joule) N (Newton) Hz (Hertz) m ² /s Lux	S DV>5000 S L1 AND 10000/ENE S 50 N/FOR S ANALY?/AB (10A) 0-3/FRE S LUBRICANT/BI (S) 10E-5/KV S 10-50/LUME
/LUMF	Luminous Flux (Luminous Power)	Lumen	S L74 (S) LUMF>70
/LUMI /M /MFL /MFS	Luminous Intensity Mass Mass Flow (Mass Transfer) Magnetic Field Strength (Magnetic Flux Density)	Candela Kg (Kilogram) Kg/s Tesla	S 5<LUMI<15 S ALLOY/BI (30A) 1E-10-1E-5/M S INJECT? (S) 3-10/MFL S MAGNET?/BI (10W) 5<MFS<7
/MW /PER /PHV /POW	Molar Mass Percent (Proportionality) pH Power	g/mol Percent pH W (Watt)	S 2000-3000 G/MOL/MW S (TITAN? (3A) DIOXID?)/AB (S) 5/PER S 7.4-7.6/PHV S (SOLAR? OR PHOTOVOLTAIC?)/BI (10A) 5-10/POW
/PRES (or /P)	Pressure	Pa (Pascal)	S (VACUUM (5A) DISTILL?)/BI (S) 1000-1100/PRES
/RAD /RES	Radioactivity Electrical Impedance/resistance	Bq (Becquerel) Ohm	S AZA?/BI (P) 10-100/RAD S CERAMIC/AB (P) 1-8/RES
/SAR	Area /Surface Area	m ²	S (COATING? OR FOIL?)/BI (S) 10-100/SAR
/SCO	Spring Constant	N/m	S (ALUMINUM OR ALUMINIUM)/BI (20A) 10000-50000/SCO
/SIZ /ST /TEMP (or /T)	Size Surface Tension Temperature	m (Metre) J/m ² K (Kelvin)	S ?CARBON?/AB (S) 3E-9/SIZ S 60 J/M**2 /ST S (REACTION? (25A) PHOSPHAT?) (S) 10/TEMP
/TIM /VEL (or /V) /VELA /VOL /VOLT	Time Velocity Velocity, angular Volume Voltage	S (Second) m/s (Metre per Second) rpm m ³ V (Volt)	S ?INCUB?/AB (10W) 10-50/TIM S PUMP?/BI (S) 1E-3-5E-3/VEL S ANG?/CLM (S) VELA>10 S ?FUSION?/BI (15A) 1E-8-2E-8 /VOL S CALIBRAT?/BI(10A) 5E-3<VOLT<7E-3

1) Exponential format is recommended for the search of particularly high or low values, e.g. 1.8E+7 or 1.8E7 (for 18000000) or 9.2E-8 (for 0.00000092).

2MOBILITY**SELECT, ANALYZE, and SORT Fields**

The SELECT command is used to create E-numbers or an L-number containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y	Y
Accession Number	AN	Y	Y
Classification Code	CC	Y	Y
Controlled Term	CT	Y	Y
Country of Publication	CY	Y	Y
Cross Reference	CR	Y	Y
Document Number	DN	Y	Y
Document Type	DT (TC)	Y	Y
Entry Date	ED (UP)	Y	Y
Field Availability	FA	Y	N
File Segment	FS	Y	Y
Language	LA	Y	Y
Occurrence Count of Hit Terms	OCC	N	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y
Supplementary Term	ST	Y	Y
Title	TI	Y (default)	Y

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.

Sample Records**DISPLAY ALL**

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AN      2022:430    2MOBILITY
DN      AS604F
CR      AMS5556; AMS5557; AMS5561; AMS5567; AMS5570; AMS5571; AMS5573; AMS5575;
        AMS5581; AMS5639; AMS5643; AMS5644; AMS5645; AMS5646; AMS5647; AMS5648;
        AMS5653; AMS5659; AMS5666; AMS5688; AMS5689; AMS5690; AMS5697; AMS5743;
        AMSQQP35; AMSQQS763; ARP1835; ARP908; AS1055; AS1072; AS150; AS2078;
        AS33514; AS4375; AS4395; AS611; AS7003; AS7112; AS85421; AS85421/1;
        AS8879; ASME/B46.1; ASMEY14.100; ASMEY14.24; ASMEY14.34M; ASMEY14.35M;
        ASTMA262; ASTMA313; ASTMA580; MIL-C-5501; MIL-F-85421/1; MIL-H-5606;
        MIL-HDBK-831; MIL-PRF-7808; MIL-PRF-83282; MIL-PRF-87257; MIL-STD-100;
        MIL-STD-130; NAS1760; NAS847; P-D-680; PD2001; PD2101
TI      Hose Assembly, Polytetrafluoroethylene, Metallic Reinforced, 3000 psi,
        400 -F, Heavyweight, Hydraulic
SO      (20 Jun 2022), 24 p.
        Published by: SAE International, 400 Commonwealth Drive, Warrendale, PA,
        United States
        Source Note: Other Number: AS604
NTE     Reaffirmed Date: 2007.01.01; Status: Revised
CY      United States
DT      Standard
FS      SAE
LA      English
ED      Entered STN: 4 Oct 2022
        Last updated on STN: 4 Oct 2022

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AB This SAE Aerospace Standard (AS) defines the requirements for a heavy braid polytetrafluoroethylene (PTFE) lined, metallic reinforced, hose assembly suitable for use in high temperature, 400 -F, high pressure, 3000 psi, aircraft hydraulic fluid systems, also for use in pneumatic systems which allow some gaseous diffusion through the PTFE wall. The -20 size operating temperature is limited to 275 -F maximum.

CC Aerospace

DISPLAY BIB

AN 2022:732 2MOBILITY
 DN AS39029/60C
 CR AIR1557; AS31971; AS9100; EIA-364-28; MIL-C-39029; MIL-S-901
 TI CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP REMOVABLE, SHIELDED, SIZE 8 (FOR MIL-DTL-38999 SERIES I, III, AND IV CONNECTORS)
 SO (8 Sep 2022), 6 p.
 Published by: SAE International, 400 Commonwealth Drive, Warrendale, PA, United States
 Source Note: Other Number: AS39029, MIL-C-39029/60D
 NTE Reaffirmed Date: 2021.07.01; Status: Revised
 CY United States
 DT Standard
 FS SAE
 LA English
 ED Entered STN: 4 Oct 2022
 Last updated on STN: 4 Oct 2022

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